

3377/ WP#T-1219

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**Reconnaissance (1:20,000)  
Fish and Fish Habitat Inventory  
of the Shelagyote River  
(Shelagyote River Planning Area)  
WSC 480-069500 to WSC 480-195700**

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**Volume 1 of 3**

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*Prepared for:*

**NWBC Timber and Pulp.**  
4900 Keith Avenue  
Terrace, BC  
V8G 5L8

*Prepared by:*



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March 15, 2003

**Reference: 3377.06/WP#T-1445**

**Ministry of Water, Land & Air Protection**  
Bag 5000; 3726 Alfred Avenue  
Smithers, BC  
V0J 2N0

**Attention: Matthew Jessop**

Dear Sir:

**Re: Fish Inventory Submissions for the Reconnaissance (1:20,000 scale)  
Fish and Fish Habitat Inventory within the Shelagyote Watershed**

**DELIVERABLE SUBMISSION**

Please find enclosed final deliverable submissions for the Reconnaissance (1:20,000 scale) Fish and Fish Habitat Inventory within the Shelagyote Watershed. As required by ***Fish Collection Permit No. 145084K*** we are pleased to provide the following:

**Report**

|              |                                                                  |
|--------------|------------------------------------------------------------------|
| Appendix I   | Reach Cards / Site Cards / Fish Collection Forms and Photographs |
| Appendix II  | Phase Completion Reports                                         |
| Appendix III | Quality Assurance Forms and Correspondence                       |
| Appendix IV  | Phase I-III Project Plan (with attachments)                      |

**Attachment V**

Digital Data  
Watershed Report Files  
FDIS Files  
Mapping Files

**Attachment VII**

Triton Environmental Consultants Ltd., 2003. Bull Trout (*Salvelinus confluentus*) Inventory in the Shelagyote Watershed. Prepared for NWBC Timber and Pulp.

Should you have any questions or require additional information, please contact me.

Yours truly,

**Triton Environmental Consultants Ltd.**



Jason Harris,  
Project Manager



# **Reconnaissance (1:20,000 scale) Fish and Fish Habitat Inventory of the Shelagyote River (Shelagyote River Planning Area)**

**WSC 480-069500 to 480-195700**

*Prepared for:*

**NWBC Timber and Pulp.**  
4900 Keith Avenue  
Terrace, BC  
V8G 5L8

January 2003

*Prepared by:*



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*Report Reviewed by:*

Tom Watson, Ph.D., R.P. Bio.

## PROJECT REFERENCE INFORMATION

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| <b>FDIS Project Number:</b>           | 5098                                |
| <b>MoELP Project Number:</b>          | SCI_C172_010_2001                   |
| <b>FRBC Project Number:</b>           | 716432                              |
| <b>FRBC Region:</b>                   | Skeena-Bulkley Region               |
| <b>MoELP Region:</b>                  | 06                                  |
| <b>MoELP District:</b>                | Skeena                              |
| <b>FW Management Unit:</b>            | 6-7                                 |
| <b>Fisheries Planning Unit:</b>       | North Coast                         |
| <b>DFO Sub-district:</b>              | 4D                                  |
| <b>Forest Region:</b>                 | Prince Rupert                       |
| <b>Forest District:</b>               | Kispiox                             |
| <b>Forest Licensee and Tenure #:</b>  | NWBC Timber and Pulp TSA 12         |
| <b>First Nation Traditional Area:</b> | Gitksan and Nat'oot'en First Nation |

## WATERSHED INFORMATION

|                                     |                                                                                                                                                                                                     |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Watershed Group:</b>             | Babine River                                                                                                                                                                                        |
| <b>Watershed Code:</b>              | 480-000000-00000-00000-0000                                                                                                                                                                         |
| <b>UTM at Mouth:</b>                | NA                                                                                                                                                                                                  |
| <b>Watershed Area:</b>              | 579 km <sup>2</sup>                                                                                                                                                                                 |
| <b>Total of All Stream Lengths:</b> | 1637 km                                                                                                                                                                                             |
| <b>Stream Order:</b>                | 6 <sup>th</sup> (largest)                                                                                                                                                                           |
| <b>NTS Map:</b>                     | 93M/11      93M/14<br>94D/03                                                                                                                                                                        |
| <b>TRIM Map:</b>                    | 94D.004      93M.093<br>93M.094      93M.095<br>93M.083      93M.084<br>93M.085      93M.073<br>93M.074      93M.075<br>93M.063      93M.064<br>93M.065      93M.055                                |
| <b>BGC Zone:</b>                    | SBS, ESSF, AT                                                                                                                                                                                       |
| <b>Air Photos:</b>                  | BCB92074 #29-44<br>BCB92073 #17-25, 33, 125-137,<br>176-193<br>BCB92052 #16-30, 65,68, 151-171<br>212-223<br>BCB92072 #189-193<br>BCB92050 #99-123, 216-229<br>BCB92049 #18-27, 148-161,<br>199-209 |



**Air Photos (cont.):**

BCB92092 #66-67  
BCB92093 #177-179, 54-68  
BCB92090 #23, 214-225  
BCB92079 #25  
BCB92119 #129-139, 163-167

**SAMPLE DESIGN SUMMARY**

|                                             |                                                       |
|---------------------------------------------|-------------------------------------------------------|
| <b>Total number of Reaches:</b>             | 2963                                                  |
| <b>Random Sampling Sites:</b>               | 26                                                    |
| <b>Biased Sampling Sites:</b>               | 65                                                    |
| <b>Fish Sampling Only Sites:</b>            | 61                                                    |
| <b>Total Sampling Sites:</b>                | 152                                                   |
| <b>Field Sampling Dates:</b>                | August 5-September 14, 2001<br>September 8 & 21, 2002 |
| <b>Fish Species Captured During Survey:</b> | RB, CH, CO, BT, DV                                    |

**CONTRACTOR INFORMATION**

|                     |                                                                                                                                                                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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| Field Crew:         | J. Harris, J. Dorey, J. Anaka, S. Giesbrecht,<br>S. Hartman, D. Taft.                                                                                                                                                                                        |
| Data Entry by:      | J. Dorey, S. Giesbrecht                                                                                                                                                                                                                                      |
| Report Prepared by: | J. Harris, J Dorey                                                                                                                                                                                                                                           |
| GIS Services:       | Triton Environmental Consultants Ltd. (Prince George)<br>Technicians: K. Strong, S. Johal<br>Courier: #201-1157 Fifth Avenue,<br>Prince George, BC, V2L 2Y8<br>Phone: (250) 562-9155 Fax: (250) 562-9135                                                     |
| Fish Aging:         | Paul Graveline<br>North/South Consultants Inc.<br>2-1475 Chevrier Blvd.<br>Winnipeg, Manitoba, R3T 1Y7<br>Phone: (204) 284-3366 Fax: (204) 477-4173                                                                                                          |

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## LIST OF ATTACHMENTS AVAILABLE AT MWLAP REGIONAL OFFICE

|                |                                                                                                                                                                                                                                                                                                                                     |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Attachment I   | Planning Document<br>Triton Environmental Consultants Ltd., July 2001. Phase I-III<br>Pre-field Project Planning Report Reconnaissance (1:20,000) Fish<br>and Fish Habitat Inventory in the Shelagyote River area<br>(Shelagyote River, Cayuse Jack Creek, Le Clair Creek, Shenismike<br>Creek). Prepared for Skeena Cellulose Inc. |
| Attachment II  | Field Notes<br>Site Cards/Fish Collection Forms                                                                                                                                                                                                                                                                                     |
| Attachment III | Fish Ageing Structures                                                                                                                                                                                                                                                                                                              |
| Attachment IV  | Photo Documentation<br>Photo Summary Report<br>Photo CD<br>Prints in Plastic Sleeves<br>Negatives in Plastic Sleeves                                                                                                                                                                                                                |
| Attachment V   | Digital Data<br>Watershed Report Files<br>FDIS Files<br>Mapping Files                                                                                                                                                                                                                                                               |
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| Attachment VII | Triton Environmental Consultants Ltd., 2003. Bull Trout<br>( <i>Salvelinus confluentus</i> ) Inventory in the Shelagyote Watershed.<br>Prepared for NWBC Pulp and Timber.                                                                                                                                                           |

## **1.0 INTRODUCTION**

Triton Environmental Consultants Ltd. (Triton) was retained by Northwest BC Timber and Pulp (NWBC) to conduct a Reconnaissance (1:20,000 scale) Fish and Fish Habitat Inventory in the Shelagyote River planning area, which is located within the Kispiox Timber Supply Area (T.S.A. 12).

This project commenced as a result of BC Fisheries and Ministry of Environment, Lands and Parks (MoELP) initiatives to gather information about fish distribution, population status, and the condition and capability of stream habitats (Resource Inventory Committee, 2001). Forest Renewal of British Columbia (FRBC) funding and MWLAP supervision facilitated the commencement of this sample-based survey of the sub-basins outlined within the study area. The inventory provides information regarding the characteristics, the distribution and the relative abundance of fish species, as well as information on biophysical lake and stream data. This information can be used for the interpretation of habitat sensitivity and fish production capability (Resource Inventory Committee, 2001). The results of the inventory may be applied to initial Riparian Management Area (RMA) and lake classification under the Forest Practices Code for forest development planning, watershed restoration, and for the establishment of some landscape-level biodiversity objectives (Resource Inventory Committee, 2001).

### **1.1 Project Scope/Objectives**

Fish and fish habitat values were the primary components of the inventory:

- Fish
  - Identify and map fish-bearing stream reaches and lakes using existing information and new field information (field inventory).
- Fish Habitat
  - Identification and coding of all waterbodies.
  - Identification and characterization of stream reaches utilizing topographic maps and aerial photographs, with confirmation via field sampling.

The results of the inventory are presented on 1:20,000 scale Terrain Resource Inventory Management (TRIM) based maps, Field Data Information Summary (FDIS) data forms, and in the body of this report.

### **1.2 Location**

NWBC's Shelagyote planning area is comprised of the Shelagyote River watershed and several smaller right bank tributaries to the Babine River (WSC 480-). The study area includes tributaries entering the right bank of the Babine River between and including the Shelagyote River (WSC 480-195700) and Shenismike Creek (WSC 480-069500). The Shelagyote River study area is located north of Hazelton, BC.

The study area is situated in the Central Interior Ecoprovince. The watershed lies in the broad rolling plateau that comprises the Fraser Plateau Ecoregion, in the Bulkley Ranges, and Nechako Plateau Ecosections (Demarchi, 1996). The study area is approximately 579 km<sup>2</sup> and covers 14 TRIM map sheets (Figure 1).

Demarchi (1996) describes the climate within the Central Interior Ecoprovince:

*The area has a typically continental climate: cold winters, warm summers, and a precipitation maximum in late spring or early summer. The area lies in a rainshadow leeward of the Coast Mountains. There is intense surface heating and convective showers in summer and in winter there are frequent outbreaks of Arctic air.*

The biogeoclimatic zonation for the study area is Sub-Boreal Spruce (SBS), Engelmann Spruce Subalpine Fir (ESSF), and Alpine Tundra (AT) (Meidinger & Pojar, 1991).

#### 1.2.1 Access

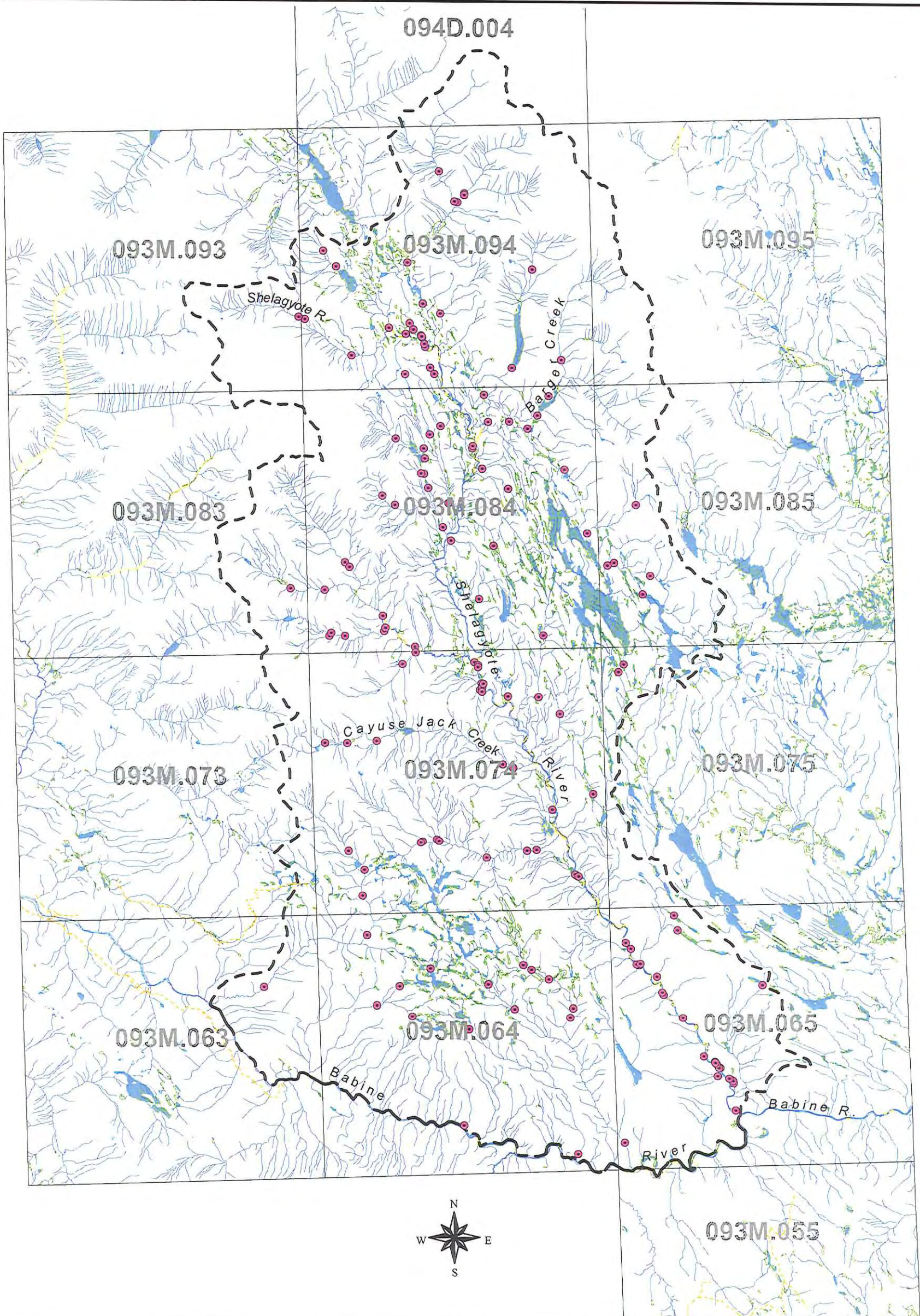
Hazelton is the largest community located near the study area (Figure 1). Sampling sites within the watershed were accessed exclusively by helicopter. Canadian Helicopters and Highland Helicopters of Smithers provided air transport.

## **2.0 RESOURCE INFORMATION**

Resource values within the SBS, ESSF, and AT biogeoclimatic zones include forest harvesting, outdoor recreation, tourism and mining. Most of the SBS, ESSF, and AT has low capability for agriculture due to adverse climate, topography, bedrock, stoniness or poor drainage (Meidinger & Pojar, 1991). Fur harvest from this zone is among the highest in the province (Meidinger & Pojar 1991).

Traditional territories of the Gitksan and Nat'oot'en First Nations lie in and adjacent to the study area.





#### Legend

- Sample Site
- Gravel
- Rough
- Paved
- River/Stream
- Marsh
- Swamp
- Glacier/Icefield
- Lake
- Project Boundary

#### Reconnaissance (1:20,000) Fish and Fish Habitat Inventory Shelagyote River Planning Area Overview Map Figure 1

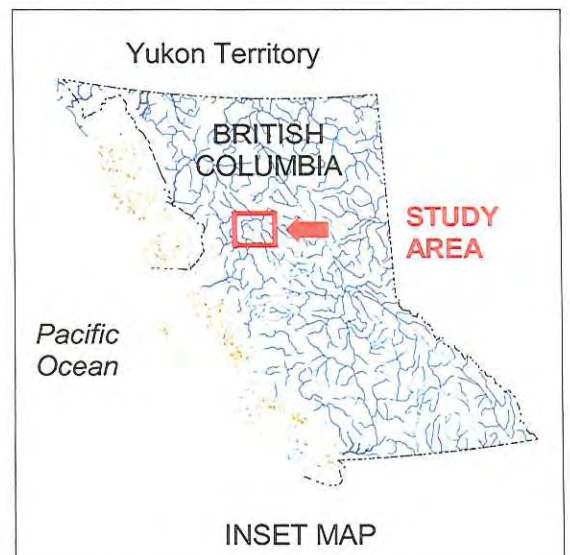
1:175,000

4000 0 4000 8000 Meters

Source: 1:20,000 TRIM Projection: UTM

Created by: Kimberley J. Strong  
Date: January 8, 2003

**TRITON**  
ENVIRONMENTAL CONSULTANTS LTD.





NWBC's chart area (TSA 12) lies within the study area. The study area has not yet been developed although NWBC is actively participating in the Forest Development Planning and Land Use planning of the forest lands in and adjacent to the study area.

No mining development was identified in the study area.

No water quality data specific to the streams within the study area were identified.

High value sport fishing exists in the Babine River adjacent to the study area. The Silver Hilton Steelhead Lodge for visiting anglers is located immediately downstream of the Shelagyote River confluence. The lodge is a fly in operation, which provides wilderness fishing experiences from September through November for steelhead and salmon anglers. Sport fishing opportunities are present within the Shelagyote River, but they are limited by low numbers of anadromous and resident fish species.

The lower 2 km of the Shelagyote River and the southern portion of the study area (approximately 1 km upslope of the Babine River) lie in the Babine River Corridor Provincial Park. The park offers internationally recognized rafting and kayaking opportunities with 30 km of Class III and IV rapids. Guided trips are available through local rafting companies or individuals may plan private trips (BC Ministry of Environment, Lands and Parks – BC Parks Division, 2000). In addition, the surrounding forested areas are used for hunting, hiking, snowmobiling, camping, and cross-country skiing (Meidinger & Pojar, 1991).

## **2.1 Existing Fisheries Information**

Fisheries Information Summary System (FISS) records indicate that chinook salmon (*Oncorhynchus tshawytscha*), coho salmon (*O. kisutch*), steelhead (*O. mykiss*), rainbow trout (*O. mykiss*), Dolly Varden (*Salvelinus malma*), and bull trout (*S. confluentus*) are present in the Shelagyote River watershed (BC Ministry of Environment, Lands and Parks, and Department of Fisheries and Oceans, 1995).

Fisheries studies (Sebastian, 1988 & Giroux, 2001) specific to bull trout and steelhead in the Shelagyote River were obtained from Paul Giroux (MWLAP regional fisheries biologist). Data contained in the studies was incorporated into the Field Data Information System (FDIS) database and Geographic Information System (GIS) mapping product.

MWLAP (Region 6) stream and lake files located in the Smithers regional office were reviewed during Phases 1 to 3 and found to support the FISS information for the study area.

### 3.0 METHODS

The Reconnaissance (1:20,000 Scale) Fish and Fish Habitat Inventory was completed in the following six phases:

- Phase 1: Existing Data Review
- Phase 2: Map and Air Photo Analysis
- Phase 3: Sampling Design and Project Plan
- Phase 4: Field Data Collection
- Phase 5: Data Compilation
- Phase 6: Report and Map preparation.

The methods employed for each phase of the project followed those outlined in the *Reconnaissance (1:20,000) Fish and Fish Habitat Inventory: Standards and Procedures, April 2001* (Resource Inventory Committee, 2001). Alterations were made to the project plan in Phase 4 and are outlined in the sections below.

#### 3.1 Field Data Collection

The following sections describe the methods and approaches taken to complete field sampling and data collection.

##### 3.1.1 Pre-field Preparations

The stream reaches inventoried were identified by two methods: random sites generated by the FDIS planning tool and biased sites identified by Triton. Biased sites were selected to address gaps in the random sampling plan. Todd Mahon (FRBC Coordinator) and Triton (Terrace) reviewed the final sample sites to ensure they met the requirements of NWBC, MWLAP and the FDIS planning model. Required fish collection permits were obtained from MWLAP and Fisheries and Oceans Canada (FOC) prior to the commencement of field activities.

##### 3.1.2 Field Procedures

All sampling procedures followed those outlined in the *Reconnaissance (1:20,000) Fish and Fish Habitat Inventory: Standards and Procedures, April 2001* (Resource Inventory Committee, 2001) and the *Forest Practices Code Fish Stream Identification Guidebook*, (BC Forest Practices Code, 1998).

Field data were collected on RIC field site cards and fish collection forms. Fish sample sites were used to collect additional information about fish species composition and to confirm fish distribution within the study area. Fish sample sites only collected the

information listed on the RIC fish collection forms. In addition, the following information was collected at each random or bias sample site and was recorded in the comments section of the site card:

- Stream classification,
- Comments supporting stream classification,
- Comments regarding fish access (i.e. downstream barriers), and
- General comments regarding rearing, spawning and overwintering habitats were also included in the Habitat Quality section of the site card.

Prior to the commencement of field activities each two-person crew was equipped with the following:

- Smith-Root Model 12B backpack electrofisher
- Electrofisher safety gear (leak proof waders, wading belts, Linesman's gloves, hat with a brim, polarized sunglasses)
- Backpacks
- Clinometer
- Compass
- Hip chain
- 50 m tape
- Meter stick
- VHF radio
- Garmin handheld GPS unit
- First aid kit
- Water quality kit (hand held pH and conductivity meters)
- Thermometer
- Canon waterproof camera and print film
- Voucher specimen container
- MoELP Site cards
- MoELP Fish collection forms
- MoELP Individual fish data cards
- Field maps

Fish sampling within stream reaches was conducted using 3 primary sampling techniques: electrofishing, angling, and visual observation. Electrofishing is the most efficient method of sampling shallow stream habitats and was the preferred sampling



method for all habitat types in small streams. In these habitats and where using an additional sampling method would not provide additional information (i.e. species, relative abundance), it was the only fish sampling technique employed. Angling with salmon roe, spoons, and drift gear was employed in streams of greater depth and in ponded habitats. Visual observation was also used when other methods failed to catch fish or fish sampling was not practical (spawning fish). A combination of techniques was employed where the use of only one method would not have effectively sampled all habitats and in areas that were not suited to electroshocking (deep pools, wetlands, etc.).

### **3.2 Field Data Compilation**

Following each field day, field crews met to compile field notes, review field data and summarize the field findings onto hard copy maps. This system ensured that all information was thoroughly documented, allowing for preliminary stream classifications and changes to the sampling plan. Field crews were in contact with Paul Giroux and Todd Mahon when the originally proposed plan needed modifications. In most cases sites downstream of known fish bearing reaches were moved to reduce sampling redundancy, address potential barriers, identify species composition, establish fish distribution and provide additional sampling data.

#### **3.2.1 Site Cards**

Site Cards and Reach forms were entered into MoELP's FDIS database following the completion of the Phase 4 field inventory. Hard copy versions of the Reach/Site Cards are presented in Appendix I.

#### **3.2.2 Fish Collection Cards**

The Fish Collection Cards were entered into MoELP's FDIS database following the completion of the Phase 4 field inventory. Hard copies of the Fish Collection Forms are presented in Appendix I following the Reach/Site cards.

## **4.0 RESULTS AND DISCUSSION**

### **4.1 Logistics**

Weather conditions were variable over the field sampling dates. The number of dry intermittent streams was low due to the type of terrain and the timing of the inventory. A total of 2 out of 91 sampled sites were classified as dry/intermittent. The study area contains no road network. All of the sample sites were accessed by helicopter. Helicopter access to sample sites was difficult due to the lack of open areas suitable for landing. Sample sites with no helicopter access were dropped from the sample plan and

relocated where access was possible. When a site was relocated every effort was made to place the relocated site within the same watershed in a reach with similar characteristics.

## 4.2 Survey Information

Table 1 provides an overview of the survey information compiled for the Shelagyote River Study Area.

**Table 1. Summary Survey Information for the Study Area.**

|                                        |                                                                                                                              |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Major Watershed Code:</b>           | 480-000000-00000-00000-0000-0000-000-000-000-000-                                                                            |
| <b>Watershed Name:</b>                 | Babine River Watershed                                                                                                       |
| <b>Drainage:</b>                       | Shelagyote River → Babine River → Skeena River → Chatham Sound                                                               |
| <b>NTS Maps:</b>                       | 93M/11, 93M/14, 94D/03                                                                                                       |
| <b>TRIM Maps:</b>                      | 94D.004, 93M.093, 93M.094, 93M.095, 93M.083, 93M.084, 93M.085, 93M.073, 93M.074, 93M.075, 93M.063, 93M.064, 93M.065, 93M.055 |
| <b>Total Number of Lakes:</b>          | 82                                                                                                                           |
| <b>Total Number of Reaches:</b>        | 2963                                                                                                                         |
| <b>Stream Field Sampling Dates:</b>    | August 5-September 14, 2001<br>September 8 & 21, 2002                                                                        |
| <b>Number of Random Sites Sampled:</b> | 26                                                                                                                           |
| <b>Number of Bias Sites Sampled:</b>   | 65                                                                                                                           |
| <b>Number of Fish Sampling Sites:</b>  | 61                                                                                                                           |
| <b>Total Number of Sampling Sites:</b> | 152                                                                                                                          |

## 4.3 Fish Age, Size and Life History

Fish were captured in 56 of 152 sample locations. Table 2 provides a summary of the reaches in which fish were captured. Rainbow trout, coho salmon, chinook salmon, Dolly Varden, steelhead and bull trout were captured in the study area. Length frequency distributions are provided in the figures below for the sport species captured. A length frequency distribution for chinook and juvenile steelhead is not provided because the sample size was not large enough for graphical representation. Quantitative abundance figures were not generated for this study, as sampling methods to determine abundance were not utilized.

### Rainbow trout

The majority of rainbow trout captured during this survey were found to utilize the lake/wetland headed small (1.0-5.0 m) to moderately large streams (5-10 m). These streams typically have moderate flows (0.08-0.30 m/s), gravel/cobble substrates, and riffle pool to cascade pool morphology. Rainbow trout were also captured in the Reach 2 of the Shelagyote River and in one large snowmelt driven (21.5 m average channel width) tributary. The frequency of rainbow trout captures was higher in the eastern portion (left

**Table 2. Fish capture locations within the study area.**

| Site | ILP/WSC                | Reach | Order | Species | Stage | Number | Minimum Length (mm) | Maximum Length (mm) |
|------|------------------------|-------|-------|---------|-------|--------|---------------------|---------------------|
| 1    | 480-069500             | 2     | 4     | BT      | J     | 1      | 86                  | 86                  |
| 1    | 480-069500             | 2     | 4     | DV      | J     | 6      | 69                  | 128                 |
| 11   | 480-195700-29500       | 2     | 4     | BT      | J     | 4      | 66                  | 91                  |
| 11   | 480-195700-29500       | 2     | 4     | DV      | J     | 2      | 62                  | 84                  |
| 11   | 480-195700-29500       | 2     | 4     | RB      | J     | 4      | 73                  | 89                  |
| 11   | 480-195700-29500       | 2     | 4     | RB      | A     | 1      | 209                 | 209                 |
| 12   | 480-195700-36100       | 2     | 4     | BT      | J     | 5      | 59                  | 92                  |
| 12   | 480-195700-36100       | 2     | 4     | DV      | J     | 3      | 64                  | 88                  |
| 12   | 480-195700-36100       | 2     | 4     | DV      | A     | 1      | 217                 | 217                 |
| 14   | 480-195700-48200-22800 | 1     | 4     | DV      | J     | 2      | 72                  | 79                  |
| 15   | 480-195700-48200       | 1     | 5     | BT      | J     | 5      | 59                  | 86                  |
| 15   | 480-195700-48200       | 1     | 5     | DV      | J     | 10     | 54                  | 80                  |
| 18   | 480-195700-48200-36200 | 1     | 4     | BT      | J     | 4      | 60                  | 75                  |
| 18   | 480-195700-48200-36200 | 1     | 4     | DV      | J     | 6      | 80                  | 98                  |
| 20   | 480-195700-60300       | 1     | 4     | BT      | J     | 2      | 63                  | 71                  |
| 26   | 480-195700             | 8     | 3     | DV      | J     | 1      | 75                  | 75                  |
| 28   | 480-195700-82900       | 6     | 3     | DV      | F     | 23     | 26                  | 32                  |
| 28   | 480-195700-82900       | 6     | 3     | DV      | J     | 6      | 62                  | 85                  |
| 31   | 480-195700-78000       | 4     | 3     | DV      | J     | 6      | 62                  | 91                  |
| 32   | 480-195700-78000-13700 | 1     | 3     | DV      | J     | 12     | 68                  | 95                  |
| 33   | 480-195700-75300       | 3     | 2     | DV      | J     | 17     | 59                  | 88                  |
| 36   | 480-195700-69300-28300 | 1     | 3     | RB      | J     | 6      | 69                  | 86                  |
| 37   | 480-195700-69200       | 9     | 3     | DV      | J     | 5      | 75                  | 115                 |
| 39   | 11301                  | 1     | 3     | DV      | J     | 17     | 62                  | 98                  |



**Table 2. Fish capture locations within the study area.**

| Site | ILP/WSC                     | Reach | Order | Species | Stage | Number | Minimum Length (mm) | Maximum Length (mm) |
|------|-----------------------------|-------|-------|---------|-------|--------|---------------------|---------------------|
| 41   | 480-195700-66100            | 3     | 2     | DV      | J     | 21     | 62                  | 109                 |
| 42   | 480-195700-62000            | 1     | 2     | DV      | J     | 8      | 62                  | 115                 |
| 42   | 480-195700-62000            | 1     | 2     | RB      | A     | 1      | 220                 | 220                 |
| 43   | 480-195700-49100            | 3     | 3     | DV      | J     | 10     | 58                  | 103                 |
| 46   | 480-195700-34400            | 6     | 3     | DV      | J     | 12     | 49                  | 130                 |
| 46   | 480-195700-34400            | 6     | 3     | RB      | J     | 10     | 51                  | 69                  |
| 48   | 480-195700-15200            | 1     | 1     | CO      | J     | 1      | 68                  | 68                  |
| 48   | 480-195700-15200            | 1     | 1     | CO      | F     | 5      | 35                  | 48                  |
| 49   | 480-195700-04600            | 1     | 3     | CO      | J     | 3      | 60                  | 98                  |
| 49   | 480-195700-04600            | 1     | 3     | CO      | F     | 7      | 36                  | 55                  |
| 49   | 480-195700-04600            | 1     | 3     | RB      | F     | 4      | 40                  | 49                  |
| 49   | 480-195700-04600            | 1     | 3     | RB      | J     | 4      | 54                  | 83                  |
| 51   | 480-149000                  | 1     | 3     | DV      | J     | 1      | 117                 | 117                 |
| 51   | 480-149000                  | 1     | 3     | RB      | J     | 2      | 109                 | 128                 |
| 211  | 480-195700-36100            | 6     | 3     | DV      | J     | 8      | 65                  | 110                 |
| 218  | 480-195700-60300-24100-3100 | 4     | 2     | DV      | J     | 5      | 60                  | 70                  |
| 220  | 480-195700-60300-24100-3100 | 5     | 2     | DV      | J     | 5      | 60                  | 80                  |
| 223  | 480-195700-82000            | 3     | 3     | DV      | J     | 6      | 60                  | 70                  |
| 224  | 480-195700-75300            | 4     | 2     | DV      | A     | 1      | 110                 | 110                 |
| 224  | 480-195700-75300            | 4     | 2     | DV      | J     | 7      | 60                  | 90                  |
| 231  | 480-195700-69300-18900      | 1     | 3     | BT      | J     | 5      | 70                  | 90                  |
| 231  | 480-195700-69300-18900      | 1     | 3     | ST      | J     | 7      | 70                  | 100                 |

**Table 2. Fish capture locations within the study area.**

| Site | ILP/WSC                     | Reach | Order | Species | Stage | Number | Minimum Length (mm) | Maximum Length (mm) |
|------|-----------------------------|-------|-------|---------|-------|--------|---------------------|---------------------|
| 235  | 480-195700-69300-28300      | 1     | 3     | RB      | A     | 5      | 100                 | 125                 |
| 235  | 480-195700-69300-28300      | 1     | 3     | RB      | J     | 10     | 55                  | 80                  |
| 239  | 480-195700-66900            | 1     | 3     | DV      | J     | 6      | 85                  | 90                  |
| 241  | 10630                       | 1     | 2     | BT      | J     | 7      | 85                  | 100                 |
| 241  | 10630                       | 1     | 2     | DV      | J     | 4      | 80                  | 100                 |
| 241  | 10630                       | 1     | 2     | RB      | J     | 5      | 90                  | 110                 |
| 243  | 480-195700-34400            | 3     | 4     | RB      | J     | 6      | 80                  | 100                 |
| 247  | 480-160900                  | 2     | 4     | RB      | J     | 18     | 80                  | 95                  |
| 247  | 480-160900                  | 2     | 4     | RB      | F     | 4      | 30                  | 30                  |
| 255  | 480-195700-82900            | 1     | 4     | BT      | J     | 16     | 40                  | 150                 |
| 255  | 480-195700-82900            | 1     | 4     | CO      | A     | 1      | 500                 | 500                 |
| 255  | 480-195700-82900            | 1     | 4     | RB      | J     | 6      | 50                  | 90                  |
| 289  | 480-195700-60300-24100-3100 | 1     | 2     | DV      | J     | 6      | 60                  | 70                  |
| 621  | 480-195700                  | 6     | 5     | BT      | A     | 1      | 530                 | 530                 |
| 626  | 480-195700                  | 4     | 6     | BT      | A     | 2      | 520                 | 560                 |
| 629  | 480-195700                  | 2     | 6     | BT      | A     | 3      | 480                 | 650                 |
| 630  | 480-195700                  | 1     | 6     | BT      | A     | 1      | 530                 | 530                 |
| 774  | 480-195700                  | 2     | 6     | BT      | A     | 1      | 595                 | 595                 |
| 774  | 480-195700                  | 2     | 6     | RB      | A     | 1      | 400                 | 400                 |
| 775  | 480-195700                  | 1     | 6     | CO      | A     | 2      | 640                 | 660                 |
| 779  | 480-195700                  | 4     | 6     | BT      | A     | 1      | 290                 | 290                 |
| 781  | 480-195700                  | 2     | 6     | BT      | A     | 1      | 610                 | 610                 |
| 781  | 480-195700                  | 2     | 6     | CO      | A     | 4      | 450                 | 590                 |
| 781  | 480-195700                  | 2     | 6     | RB      | A     | 1      | 410                 | 410                 |
| 782  | 480-195700                  | 1     | 6     | BT      | A     | 1      | 630                 | 630                 |
| 782  | 480-195700                  | 1     | 6     | ST      | A     | 1      | 780                 | 780                 |
| 883  | 480-195700                  | 2     | 6     | BT      | A     | 8      | 480                 | 600                 |
| 883  | 480-195700                  | 2     | 6     | ST      | A     | 2      | 690                 | 740                 |
| 884  | 480-195700                  | 1     | 6     | CO      | A     | 1      | 550                 | 550                 |
| 901  | 480-195700                  | 1     | 6     | CO      | A     | 1      | 530                 | 530                 |
| 905  | 480-195700                  | 2     | 6     | BT      | A     | 1      | 410                 | 410                 |

**Table 2. Fish capture locations within the study area.**

| Site | ILP/WSC    | Reach | Order | Species | Stage | Number | Minimum Length (mm) | Maximum Length (mm) |
|------|------------|-------|-------|---------|-------|--------|---------------------|---------------------|
| 911  | 480-195700 | 2     | 6     | BT      | A     | 4      | 280                 | 450                 |
| 911  | 480-195700 | 2     | 6     | CH      | A     | 1      | 800                 | 800                 |
| 911  | 480-195700 | 2     | 6     | CO      | A     | 1      | 630                 | 630                 |
| 911  | 480-195700 | 2     | 6     | RB      | A     | 1      | 418                 | 418                 |
| 922  | 480-195700 | 6     | 5     | BT      | A     | 4      | 400                 | 590                 |
| 923  | 480-195700 | 1     | 6     | BT      | A     | 3      | 470                 | 530                 |
| 980  | 480-195700 | 6     | 5     | CO      | A     | 4      | 500                 | 570                 |
| 981  | 480-195700 | 7     | 4     | CO      | A     | 5      | 490                 | 580                 |
| 984  | 480-195700 | 2     | 6     | CO      | A     | 2      | 540                 | 630                 |
| 985  | 480-195700 | 1     | 6     | BT      | A     | 2      | 490                 | 520                 |



bank tributaries) of the study area. The eastern portion of the study area can be characterized as containing an abundance of small lakes and wetlands along with low proportions of ice and high proportions of valley flat. By contrast, high proportions of ice and steep land with low proportions of lakes/wetlands and valley flat dominate the western portion of the study area.

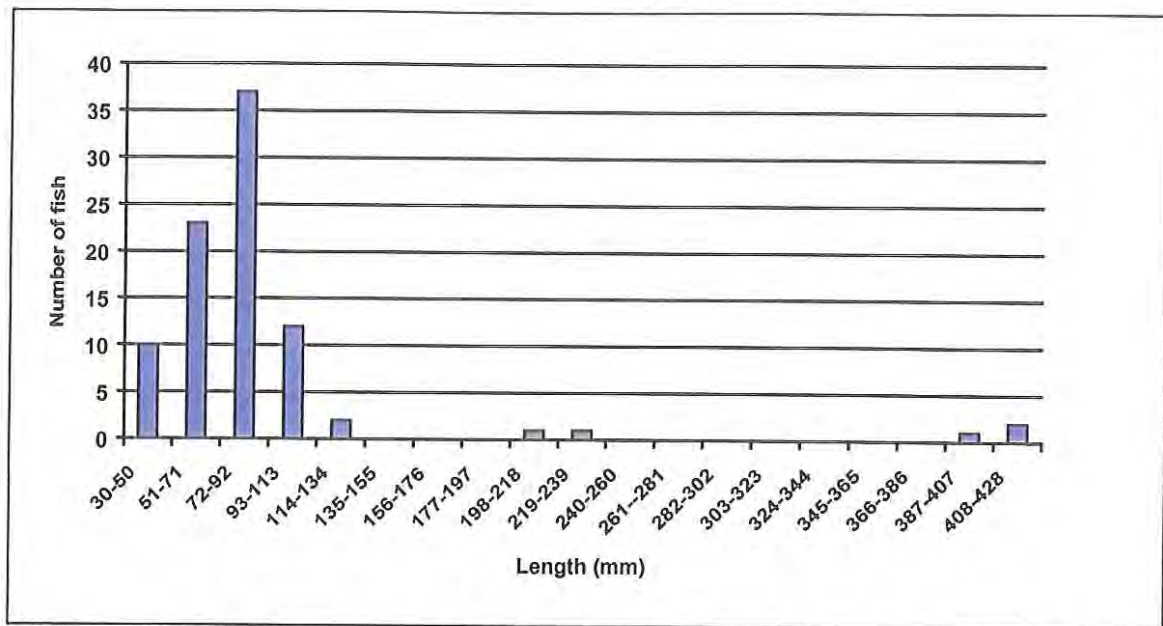
Rainbow trout captures in the study area indicate that they prefer the warmer, lake/wetland fed streams with stable flows. Ford *et al* (1995) summarized the preferred spawning temperature as 7.2-13.3°C and the optimum water temperature for growth as 10-14°C. During the inventory rainbow trout were captured in streams with temperatures ranging from 5-11°C and the mean stream temperature where rainbow trout were captured was of 8.2°C.

Adult rainbow trout most likely use the small to moderately large streams for spawning then return to lakes, wetlands, and larger streams for rearing. Juveniles and fry most likely use the small to moderately large streams for rearing until they are large enough to enter the larger streams, wetlands, and lakes. Spawning for rainbow trout usually occurs from mid-April to late June with fry emergence occurring from mid-June to mid-August (Scott & Crossman 1985). Zimmerman and Reeves (2000) found that rainbow trout spawning (Deschutes and Babine Rivers) occurred from mid March through August, which suggests spawning times vary regionally and between stocks. An increase in water flow and temperature above 5°C appears to be the primary trigger for initiating spawning migrations and activity (Ford *et al.*, 1995). In the smaller lake and wetland fed systems this water temperature increase likely occurs in mid April through May. In the larger snowmelt driven systems the water temperature increase likely occurs in mid May through July (Beere, 1997 & Giroux, 2001).

Although age data was not collected for the rainbow trout in the study area, we can extrapolate from known ageing data within the region. Triton (1999, 2000, 2001 & 2001a) rainbow trout age data for the region is summarized below:

- 0+, range 40-50 mm, mean 46 mm
- 1+, range 72-150 mm, mean 88 mm
- 2+, range 110-203 mm, mean 140 mm
- 3+, range 110-221 mm, mean 184 mm

Based on the above data it can be assumed that the majority (81 of 89) of rainbow trout captured in the study area were in the 0+ and 1+ age class range. The high occurrence of juveniles and lack of adult captures would indicate that very few adults are stream residents. Figure 2 provides a length frequency distribution for rainbow trout captured in the study area.



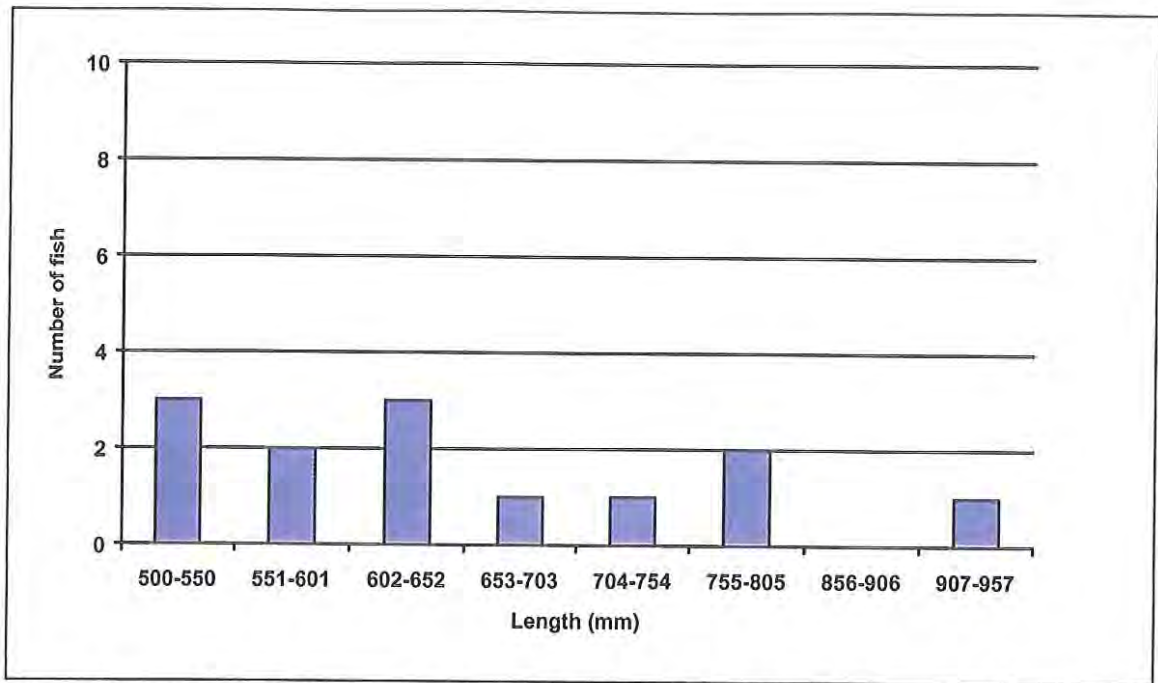
**Figure 2. Length frequency distribution for rainbow trout captured in the study area (n=89).**

### Steelhead

Steelhead adults were captured in the Shelagyote River and juveniles were captured in a moderately large tributary (8.25 m average channel width) to Barger Creek (WSC 480-195700-69300). Adult steelhead most likely use the larger pools in the Shelagyote River for overwintering before spawning in the spring. Juveniles likely rear in the mainstem and larger tributaries.

Steelhead have a diverse life history, which varies among stocks and geographic location. The steelhead in the Shelagyote River are classified as summer run steelhead (SST) which enter the river as adults during the summer/fall and spawn during the following spring. The most common life history in British Columbia is for the juveniles to rear for 3 years in freshwater before smolting then spending 2 years in the ocean before migrating back to the freshwater to spawn (Busby *et al.* 1996). Steelhead spawning activity begins in the spring when water temperatures begin to rise over 5°C (Beere, 1997). Giroux (2001) observed an initial increase in water temperature in late April and increasing over 5°C near the end of May. It is believed that the Shelagyote River steelhead use the mainstem for spawning starting with the increase in water temperature during late April and ending in the middle of June. Beere (1997) estimated that steelhead spawning in the Babine River was completed between May 16 and June 28. A length frequency distribution graph for adult steelhead captured in the study area is presented in Figure 3. Additional adult steelhead length data obtained during MWLAP bull trout studies were added to the inventory data for graphical representation (Giroux, 2001). Graphical representation of juvenile steelhead is not shown because of minimal captures (7 juveniles). Ageing data was not obtained for steelhead captures in the study area.





**Figure 3. Length frequency distribution for adult steelhead captured in the Study Area (n=13).**

### **Dolly Varden**

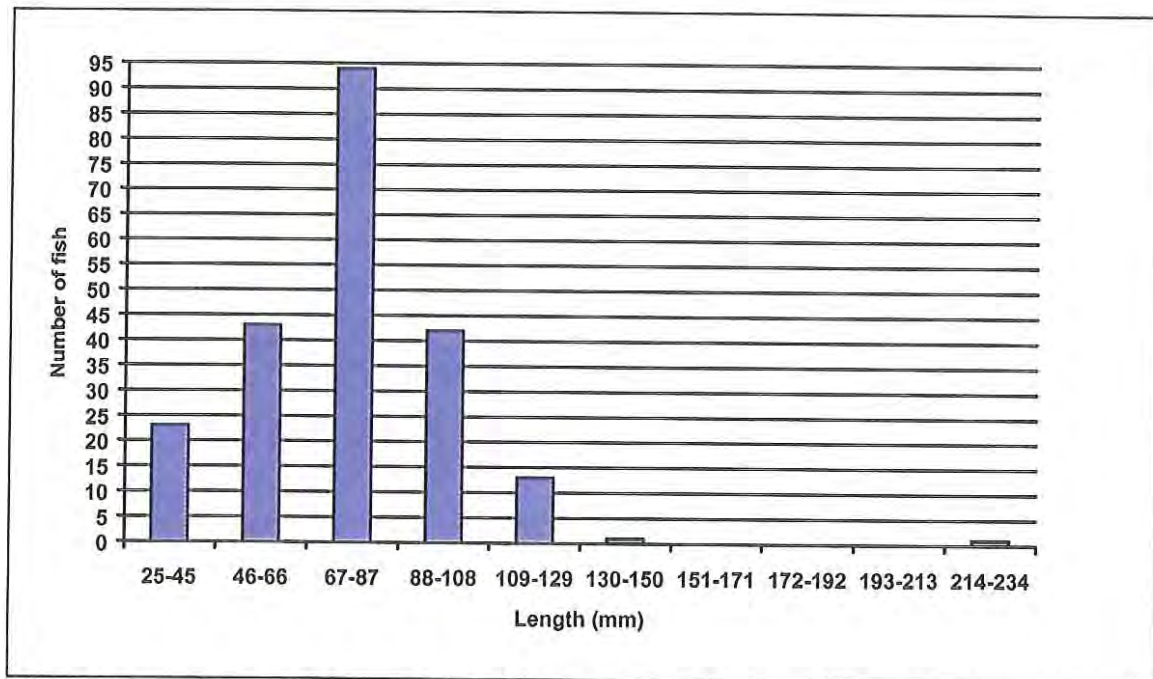
There was a widespread distribution of Dolly Varden throughout the study area. Dolly Varden were found in habitats that ranged from moderate gradient streams (5-13%) with cascade pool type habitats to low gradient (1-4%) streams with slow moving riffles and stagnant pools. Fry and juveniles were found to inhabit the smaller secondary streams (1-5 m) adjacent to overwintering habitat (larger mainstems and lakes) and the mature fish were found in mainstems or larger tributary streams. Capture locations indicated that Dolly Varden were found in cooler stream temperatures than rainbow trout. Oliver and Fidler (2001) presented the optimum water temperature for growth as being 8-12°C. The stream temperatures where Dolly Varden were captured ranged from 5-9°C with a mean stream temperature of 6.6°C. Dolly Varden are most likely out competed by rainbow trout in the warmer streams as Dolly Varden tend to be more competitive in the cooler streams where their growth physiology gives them a competitive advantage (Fidler, 2001).

Dolly Varden reach sexual maturity in 3-6 years and spawn in streams with cobble/gravel substrates and moderate flows. The fry hatch in the spring and reside (3-4 years) in their natal stream until reaching a size large enough to move downstream into larger bodies of water. Northern and high elevation populations are often stunted and rarely exceed 30 cm. Dolly Varden are a relatively long-lived species reaching ages of 10-12 years (Scott & Crossman 1985). A length frequency distribution graph for Dolly Varden captured in the study area is presented in Figure 4.



Although age data was not collected for the Dolly Varden captured within the study area, we can extrapolate from known ageing data within the region. Triton (2000, 2001 & 2001a) Dolly Varden age data for the region is summarized below:

- 2+, range 80-125 mm, mean 102 mm
- 3+, range 115-180 mm, mean 143 mm
- 4+, range 139-200 mm, mean 166 mm



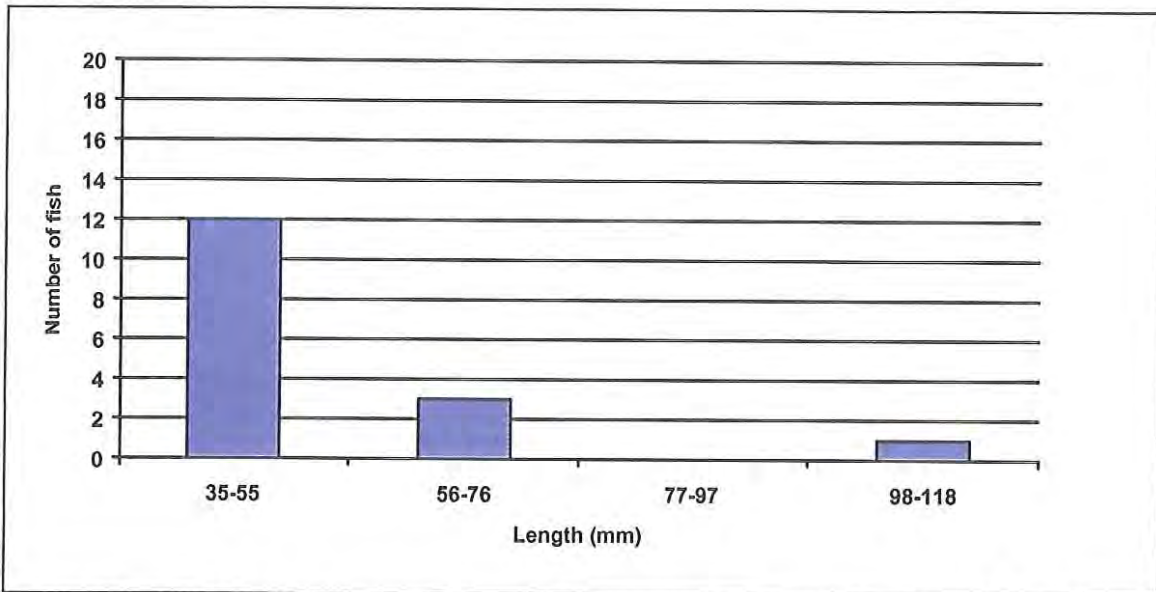
**Figure 4.** Length frequency distribution for Dolly Varden captured in the study area (n=217).

## Coho

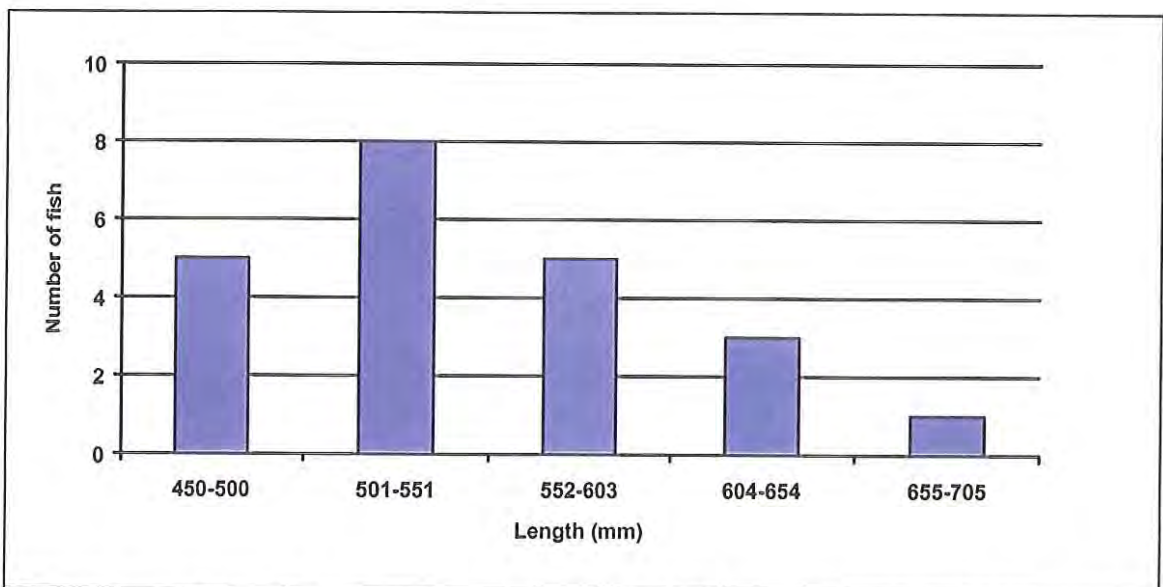
Adult coho were captured throughout the Shelagyote River as well as one tributary (WSC 480-195700-82900) to the upper Shelagyote River. Juveniles were captured in several tributaries adjacent to the mainstem. One adult was captured in the lower portion (Reach 1) of a moderately sized (5.75 m average channel width) tributary, which flows into Reach 7 of the Shelagyote River.

Adult coho are believed to spawn throughout the Shelagyote River and potentially the lower portion of the larger tributaries. Coho juveniles are believed to migrate from the spawning areas to find their way into off channel habitats and the lower reaches of the tributary streams. Coho juveniles remain in the smaller streams for 1 year before reaching a suitable size (approx. 100 mm) for smolt migration in the spring (Scott & Crossman, 1985). The majority of the coho captured are thought to be 0+ based on their lengths. Coho fry emerge from the gravel in the spring and early summer (March to July) and juveniles usually remain in freshwater for 1-2 years before migrating (downstream) to the ocean where they reside for 1 to 3 years.

Figure 5 provides a length-frequency distribution for juvenile coho captured in the study area. Adult coho length data obtained during MWLAP bull trout studies with the watershed have been added to the inventory data for graphical representation (Giroux, 2001). Figure 6 provides a length frequency distribution for adult coho captured in the study area. Age data was not collected for coho captured within the study area



**Figure 5. Length frequency distribution for juvenile coho captured in the study area (n=16).**



**Figure 6. Length frequency distribution for adult coho captured in the Study Area (n=22).**

### Chinook salmon

## **Chinook salmon**

One adult chinook was captured in Reach 2 of the Shelagyote River where it was believed to be spawning (run timing and fish coloration) in the large pool where it was captured. Scott and Crossman (1973) indicate that chinook salmon are late summer (July/August) to late fall spawners (September to November). Within the Shelagyote River the spawning is believed to occur in August. Spawning habitat is characterized as larger rivers and tributaries containing moderate to large gravels. The fry emerge from the gravel in the spring and rear for up to 1 year in freshwater before migrating to the ocean where they reside for 2-5 years. No juveniles were captured during the inventory, although historical fisheries information indicates that juvenile chinook were captured in Reach 4 of the Shelagyote River (Sebastian, 1988).

## **Bull trout**

Bull trout were captured in a variety of habitat types throughout the Study Area. Bull trout are known to occupy a wide spectrum of habitat types, often occupying unproductive habitats where *Oncorhynchus sp.* do not thrive. Juvenile capture locations showed a preference for the cold water tributaries found in the western portion of the study area which contains high proportions of ice and steep land with low proportions of lakes/wetlands and valley flats. Capture locations displayed a stream temperature range of 5-7°C with a mean stream temperature of 5.8°C. Ford *et al.* (1995) summarized the optimal rearing temperature for juveniles as being <12°C. McPhail and Baxter (1996) suggest that bull trout spawning activity occurs in the fall when stream temperatures are less than 9°C and tends to cease when stream temperatures drop below 5°C. Adult capture locations were confined to the Shelagyote River (Reaches 1 through 6). The adults captured were intercepted on their spawning migration and in pre spawn and post spawn staging areas (Triton, 2003).

Within the study area there is the possibility of 3 different bull trout life histories:

- Resident: The stream resident that spends its entire life within small headwater streams, often above physical barriers;
- Fluvial: The large river type, which spends its adult life within large rivers and spawns in smaller tributaries. The large river offspring rear in these smaller tributaries until they grow large enough to compete within the large river habitat; and,
- Adfluvial: The lake type, which spends its adult life in a lake habitat and uses the tributary streams for rearing and spawning.

Bull trout captured during the inventory are thought to be the resident and fluvial life history types due to the size of the captured fish and the location where they were captured.



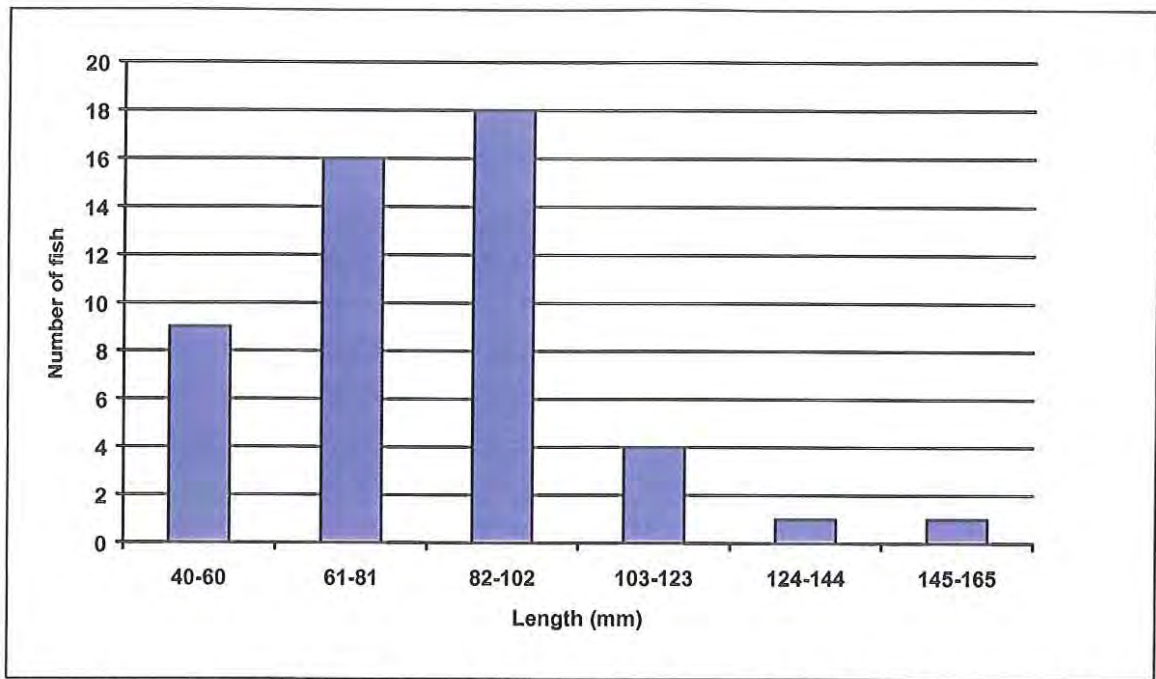
The fluvial bull trout were captured in the Shelagyote River (Reaches 1 through 6). These fish were relatively large (280-650 mm) and likely spend the majority of their time rearing in the Babine River before migrating (August – September) into the Shelagyote River where they spawn. In habitats where bull trout are known to achieve sizes greater than 400 mm they are thought to mature at 4+. Post and Johnson (2002) suggested that a good proportion of bull trout have a tendency not to spawn in consecutive years with as little as 25% of the population being repeat spawners. In cold water systems such as the Shelagyote River it may take more than 1 year to accumulate the energy necessary for gamete development (Post and Johnson, 2002).

Fluvial bull trout spawning habitat can be characterized as coarse substrates of gravel to cobble (16-64 mm) with a low percentage of fine sediment (<10%) and high substrate permeability for egg aeration (Post and Johnson, 2002). McPhail and Baxter (1996) suggested that spawning locations have been shown to have low water velocities (0.03-0.8 m/s) and a close proximity to cover (cutbanks, log jams, pools, overhanging vegetation, etc.). Large adults were found to utilize the larger substrates in the center of the channel, which may increase survival rates during low flow periods in the winter months.

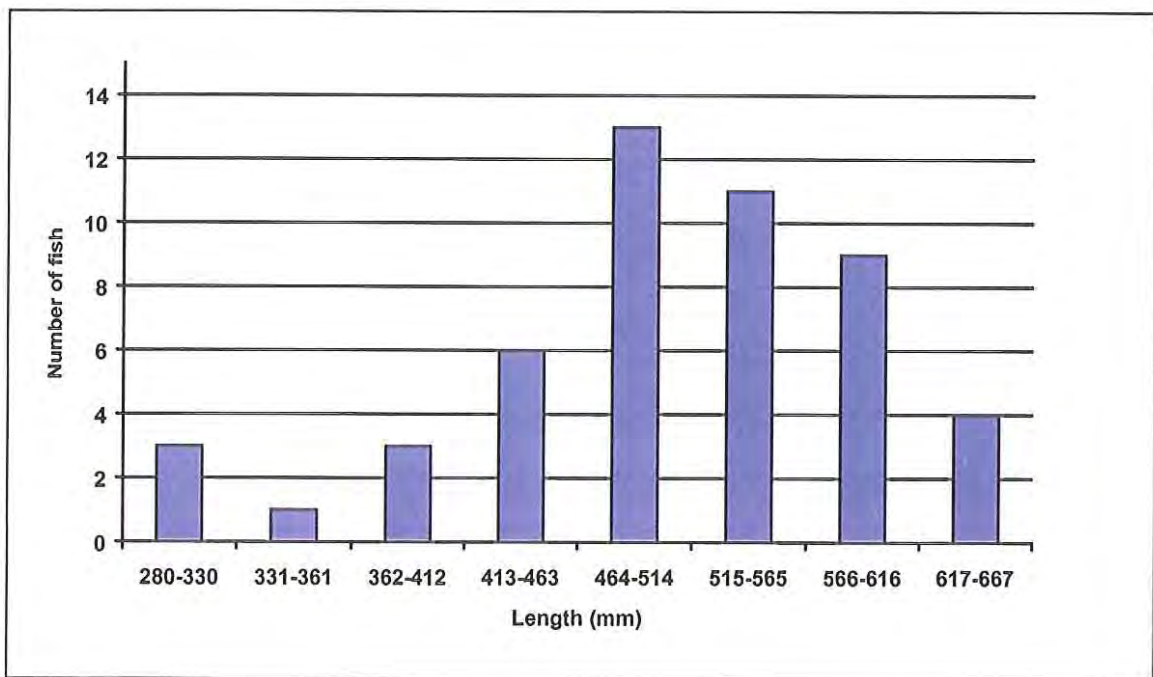
Resident bull trout populations are thought to exist in the headwaters of some of the snowmelt driven tributaries in the western portion of the Study Area. The upper limit of these fish bearing tributaries is often separated from the low gradient reaches (<10%) by significant sections (>100 m) of high gradient (10-15%) cascade/pool habitat. It is unlikely that fluvial bull trout migrate through these high gradient cascade pool sections to utilize the upper limit of fish distribution for spawning. McPhail and Baxter (1996) found that stream residents are often “associated with headwater streams in mountainous regions where cold water and velocity barriers are common”.

Resident bull trout populations are most often dwarfed in size ranging from 150 –300 mm (McPhail and Baxter, 1996; Post and Johnson, 2002). Resident bull trout mature a year or two earlier than fluvial populations and tend to have relatively short migrations (limited by stream morphology) to suitable spawning habitat. Suitable spawning habitat is often associated with pockets of suitable gravel (McPhail and Baxter, 1996).

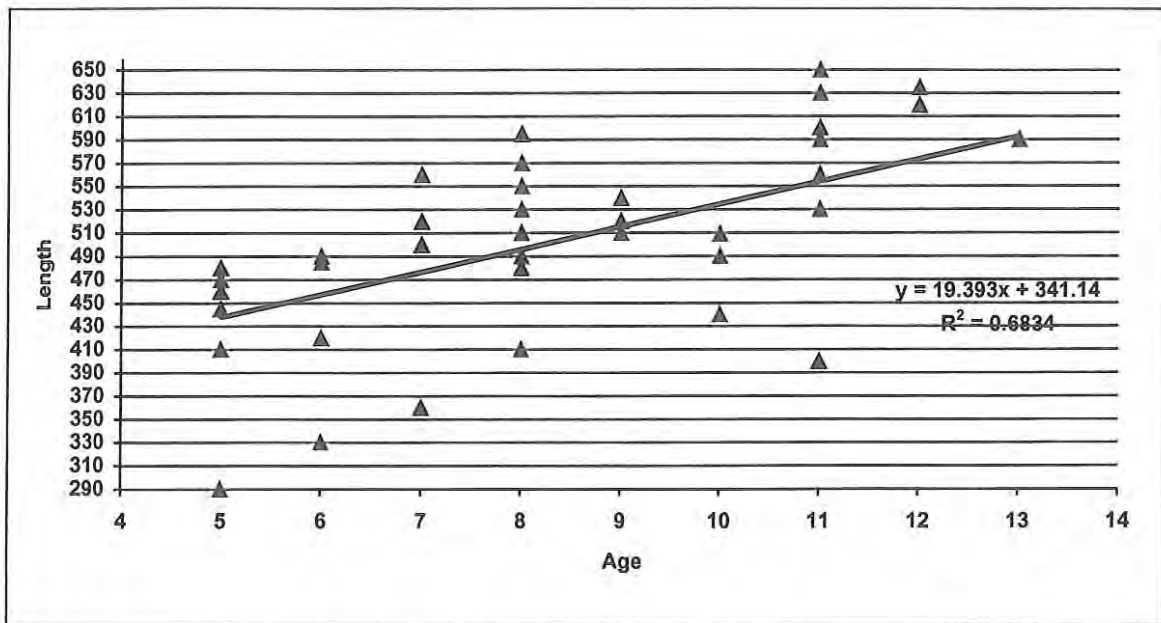
Figure 7 provides a length frequency distribution for juvenile bull trout captured in the study area. Figure 8 provides a length frequency distribution for fluvial bull trout adults captured in the study area. Adult bull trout length and age data obtained during MWLAP bull trout studies have been added to the inventory data for graphical representation (Giroux, 2001). Age data for fluvial bull trout adults is presented in Figure 9. Age data was not obtained for juvenile bull trout captured within the study area



**Figure 7. Length frequency distribution for juvenile bull trout captured in the study area (n=49).**



**Figure 8. Length frequency distribution for adult bull trout captured in the study area (n=50).**



**Figure 9. Length at Age for Fluvial Adult Bull Trout captured in the study area (n=43).**

#### **4.4 Habitat and Fish Distribution**

Fish were captured in 1<sup>st</sup> to 6<sup>th</sup> order streams and fish distribution was generally associated with perennial fish habitat. Perennial habitat includes the presence of continually available overwintering, spawning, and rearing habitat. Instream overwintering habitat was identified as containing residual pool depths greater than 0.5 m. Other overwintering or perennial habitat included wetlands and lakes with depths greater than 0.5 m.

Spawning habitat was characterized by the presence of suitable spawning substrates, perennial flows, and adequate water velocity. The quality of spawning habitat was based on a field observation and judgment on how close the observed habitat met the following parameters:

- Low or poor quality spawning habitat was characterized by a lack of significant accumulations of spawning substrates, turbulent flows, low average water velocity (<1% gradient), or high average water velocity (>1 m/s).
- Medium or Moderate quality spawning habitat was characterized by occasional accumulations of spawning substrates (<10% of total habitat area) but limited by one or several of the following parameters: turbulent flows, high proportion of fines, low average water velocity (<1% gradient), or high average water velocity (>1 m/s).
- High quality spawning habitat was characterized by abundant accumulations of suitable spawning substrates (>10% of total habitat area) perennial flows, and moderate gradient (1 to 5% gradient).



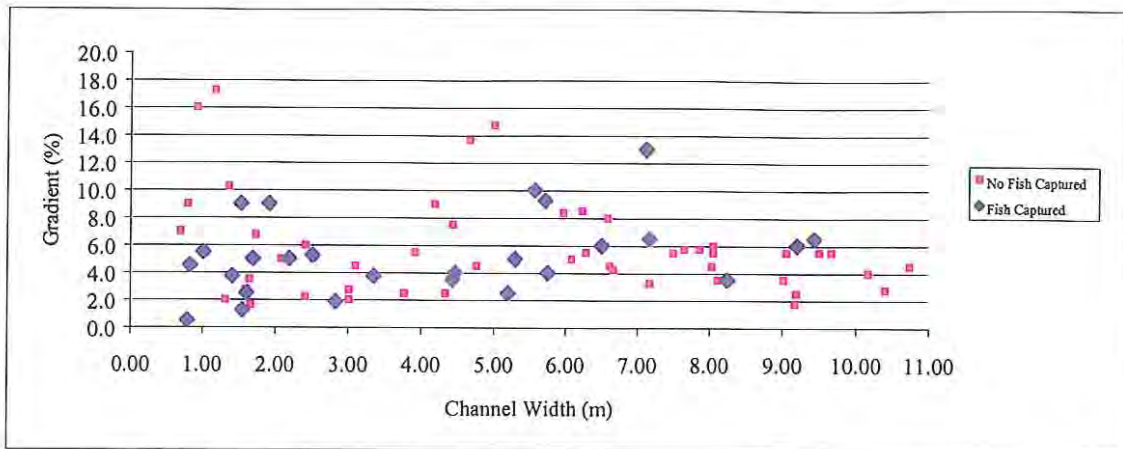
Rearing habitat was characterized as habitat with adequate water (seasonal) to sustain growth. The quality of rearing habitat was based on a field observation and judgment on how close the observed habitat met the following parameters:

- Low or poor quality rearing habitat was characterized by a lack of channel development and limited by ephemeral flows, shallow average water depths (<10 cm), lack of significant pools (>10 cm), and a predominance of fine or organic substrates.
- Medium or moderate quality rearing habitat was characterized by the presence of perennial flows and limited by one or several of the following parameters: low gradient (<2%), high gradient (>10%), lack of cover, lack of significant pools (>20 cm), lack of coarse substrates, or large average substrate size (boulders).
- High quality rearing habitat was characterized by perennial flows, abundant cover, moderate gradient (1-5%), frequent riffles and pools.

Very few 1<sup>st</sup> order reaches were classified as fish bearing or contained fish (1 location). The 1<sup>st</sup> order sample site that contained fish was immediately upstream (<50 m) of the Shelagyote River mainstem. Habitat quality within these 1<sup>st</sup> order reaches was generally poor with small (<1.5 m) average channel widths and ephemeral water flows. Field observations indicated that the small channel widths and ephemeral nature of these streams likely limit or prevent their ability to sustain fish populations, particularly throughout the year. It is unlikely that fish use these reaches, unless they flow into a major system (i.e. 3<sup>rd</sup> to 6<sup>th</sup> order), due to seasonal flow and lack of fish habitat.

Fisheries values within the project area are largely associated with the limited occurrence of spawning and rearing habitats. The prevalence of shallow high gradient stream habitat and low overall habitat complexity, appear to be the primary limiting factors for spawning and rearing habitats. The general lack of deep pool habitats and perennial flow in tributary streams limits the occurrence of rearing and overwintering habitats for resident species.

No fish were captured in reaches with an average channel width of less than 0.8 m, or with an average gradient greater than 13%. Figure 9 shows the relationship between fish capture locations and gradient vs channel width.



**Figure 10. Gradient vs width relationship for sampled streams in the study area (n=75).**

These results are generally consistent with other results found throughout the Skeena region (non fish presence) in smaller channel width, high gradient streams (Triton,1999; 2000; 2001; 2001a; 2001b).

#### 4.4.1 Barriers to Fish Distribution

Permanent barriers prevent all fish species in all age classes from gaining access to the portion of stream above the barrier under all flows and stage. Falls and cascades were the dominant types of permanent barriers to upstream fish migration found within the study area. Temporary barriers such as beaver dams may prevent species from gaining access to portions of stream above the barrier but they are not permanent features with the drainage and they can change from year to year. Barriers to fish migration are presented in Table 3 along with other features affecting fish habitat in the study area.

Significant barriers that define fish distribution within the watershed include:

- 10 m falls in Reach 2 of Shenismike Creek (WSC 480-069500). The falls defines the “end of fish use” and the upper limit of bull trout and Dolly Varden distribution within this 4<sup>th</sup> order system.
- 20 m falls in Reach 2 of Leclair Creek (WSC 480-160900). The falls defines the “end of fish use” and the upper limit of rainbow trout within this 4<sup>th</sup> order system.
- 5 m falls in Reach 3 of an “unnamed” stream (WSC 480-195700-29500). The falls defines the “end of fish use” and the upper limit of bull trout, Dolly Varden and rainbow trout distribution within this 4<sup>th</sup> order system.
- 40 m falls in Reach 6 of Cayuse Jack Creek (WSC 480-195700-36100). The falls defines the “end of fish use” and the upper limit of bull trout and Dolly Varden distribution within this 4<sup>th</sup> order system.
- 10 m falls in Reach 5 of an “unnamed” stream (WSC 480-195700-48200). The falls defines the “end of fish use” and the upper limit of bull trout, Dolly Varden and rainbow trout distribution within this 5<sup>th</sup> order system.



**Table 3. Features within the study area.**

| Site | ILP/WSC                | Reach | Feature Type | Feature Height (m) | Feature Length (m) | Comments                                                                      |
|------|------------------------|-------|--------------|--------------------|--------------------|-------------------------------------------------------------------------------|
| 1    | 480-069500             | 2     | F            | 10                 | NS                 | Falls are a permanent barrier to upstream fish migration                      |
| 10   | 480-195700-29500       | 4     | F            | 5                  | NS                 | Falls permanently prevent upstream fish migration                             |
| 18   | 480-195700-48200-36200 | 1     | C            | 1.8                | 1                  | Potential barrier to fish migration                                           |
| 19   | 480-195700-48200-52400 | 2     | C            | 4                  | 2                  | Impassable barrier                                                            |
| 19   | 480-195700-48200-52400 | 2     | C            | 50                 | 50                 | Potential barrier to fish migration                                           |
| 22   | 480-195700-60300       | 5     | F            | 10                 | NS                 | Falls permanently prevent upstream fish migration                             |
| 23   | 480-195700-63000       | 1     | C            | 40                 | 40                 | Cascades upstream of mouth permanently prevent upstream fish migration        |
| 29   | 480-195700-80300       | 3     | C            | 20                 | 10                 | Permanent barrier to upstream fish migration                                  |
| 34   | 480-195700-69300       | 4     | F            | 15                 | 2                  | Falls at Reach 3 break permanently prevent upstream migration                 |
| 36   | 480-195700-69300-28300 | 1     | C            | 7                  | 4                  | Permanent barrier to upstream migration. Resident species upstream of cascade |
| 38   | 480-195700-69200       | 11    | F            | 7                  | 1                  | Permanent barrier to upstream fish migration                                  |
| 40   | 11057                  | 3     | C            | 5                  | 2                  | One of many impassable cascades in reach                                      |
| 45   | 480-195700-36900       | 4     | F            | 5                  | 1                  | Falls at Reach 3 break permanently prevent upstream migration                 |
| 49   | 480-195700-04600       | 2     | F            | 3                  | NS                 | Impassable barrier                                                            |
| 49   | 480-195700-04600       | 2     | C            | 2                  | 1                  | Impassable barrier                                                            |
| 51   | 480-149000             | 2     | C            | 2.5                | 2                  | Impassable cascade                                                            |
| 205  | 480-160900             | 4     | C            | 5                  | 5                  | Impassable cascade                                                            |
| 211  | 480-195700-36100       | 6     | F            | 40                 | 8                  | Falls permanently prevent upstream fish migration                             |
| 214  | 480-195700-48200-36200 | 5     | C            | 50                 | 50                 | Impassable cascade                                                            |
| 215  | 480-195700-48200       | 6     | F            | 10                 | 1                  | Falls are a permanent barrier to upstream fish migration                      |
| 225  | 480-195700             | 10    | F            | 40                 | 10                 | Falls are a permanent barrier to upstream fish migration                      |
| 234  | 480-195700-69300       | 6     | F            | 40                 | 10                 | Impassable falls                                                              |



**Table 3. Features within the study area.**

| Site | ILP/WSC          | Reach | Feature Type | Feature Height (m) | Feature Length (m) | Comments                                                                           |
|------|------------------|-------|--------------|--------------------|--------------------|------------------------------------------------------------------------------------|
| 237  | 11301            | 5     | C            | 2.5                | 4                  | Impassable cascade                                                                 |
| 238  | 11301            | 2     | F            | 10                 | 2                  | Falls prevent upstream fish migration                                              |
| 242  | 480-195700-40600 | 3     | F            | 15                 | 2                  | Impassable falls                                                                   |
| 244  | 480-195700-34400 | 8     | F            | 12                 | 12                 | Three sets each approximately 4 m high permanently prevent upstream fish migration |
| 247  | 480-160900       | 2     | F            | 20                 | NS                 | Permanent barrier to upstream fish migration                                       |
| 247  | 480-160900       | 2     | F            | 5                  | NS                 | Impassable falls                                                                   |

- 15 m falls in Reach 3 of Barger Creek (WSC 480-195700-69300). The falls defines the “end of fish use” and the upper limit of fish distribution within this 4<sup>th</sup> order system.
- 20 m cascade in Reach 2 of an “unnamed” stream (WSC 480-195700-80300). The cascade defines the “end of fish use” and the upper limit of fish distribution within this 5<sup>th</sup> order system.
- 40 m falls in Reach 9 of the Shelagyote River (WSC 480-195700). The falls defines the “end of fish use” and the upper limit of fish distribution within this 6<sup>th</sup> order system.

## **4.5 Significant Features and Fisheries Observations**

### **4.5.1 Fish and Fish Habitat**

Several bull trout staging, spawning, and overwintering areas were identified in the Shelagyote River as part of an enhanced bull trout inventory of the watershed. Areas critical to the Shelagyote bull trout life history are presented in Attachment VII (Triton, 2003)

Adult coho were captured throughout the Shelagyote River watershed (Reaches 1 through 7). Several locations were identified where they were observed staging and spawning. Reaches 6 and 7 had the highest concentration of adult coho in the upper portion of the river and Reaches 1 and 2 had the highest concentration of adult coho in the lower portion of the river. The middle portion of the Shelagyote River (Reaches 3-5) is most likely used for migration to the upper spawning grounds.

No high value sport fishing opportunities were identified within the study area however high value sport fishing opportunities exist outside the study area as described in the Resource Information portion of this report (Section 2.0).

### **4.5.2 Habitat Protection Concerns**

#### ***4.5.2.1 Fisheries Sensitive Zones***

No fisheries sensitive zones were identified in the study area.

#### ***4.5.2.2 Fish above 20% Gradients***

No fish were identified above 20% gradient although rainbow trout and Dolly Varden were captured upstream of an impassable cascade (7 m) on an “unnamed” stream (WSC 480-195700-69300-28300) and above an impassable falls on ILP 11013. Both of these systems have extensive lake and wetland habitat capable of supporting resident fish populations upstream of the falls.

#### *4.5.2.3 Restoration and Rehabilitation Opportunities*

The study area currently has no anthropogenic development or natural events (slides, debris jams, etc.) therefore restoration or rehabilitation activities were not identified.

#### *4.5.2.4 Unstable Slopes*

No unstable slopes or landslides were identified within the study area.

### **4.6 Fish Bearing Status**

#### 4.6.1 Fish Bearing Reaches

Fish species were captured in 56 of the 96 reaches classified as fish bearing (Table 4). Seven (7) reaches in the fish bearing classification table were classified as fish bearing by default. Four (4) of these reaches were identified as accessible from downstream fish bearing waters and could be utilized for a portion of the year. It was determined that fish can access these reaches (from downstream fish bearing waters) and further sampling is not recommended.

The fish bearing status of streams may be directly supported by sampling data or indirectly inferred based on fish captures in associated reaches, or habitat quality and the occurrence or lack of barriers to fish passage. For example, if the habitats within a given reach are suitable for rearing and/or spawning but no fish were captured and no barriers were observed, the reach would be classed as fish bearing. If the habitats were inadequate to provide suitable rearing habitat, or where barriers prevent fish from accessing and utilizing the reach, it would be classified as non-fish bearing.

Inferred fish bearing status was given to reaches not sampled with the following criteria:

- The average stream gradient was less than 20% (through map interpretation) and access to fish bearing water is present.
- Stream sections below a headwater lake.



**Table 4. Summary of fish bearing reaches within the study area.**

| Site | ILP/WSC                | Reach | Width (m) | Gradient (%) | Species    | Stream Class | Follow-up Sampling (y or n) | Comments                                                                                                                                                                                     |
|------|------------------------|-------|-----------|--------------|------------|--------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 480-069500             | 2     | 26.83     | 6.5          | DV, BT     | S1/S5        | n                           | Moderate rearing and overwintering habitat. Poor spawning habitat. A 10 m falls prevents upstream fish migration. Non fish bearing upstream of the falls.                                    |
| 11   | 480-195700-29500       | 2     | 21.50     | 6.3          | DV, BT, RB | S1           | n                           | Moderate rearing and overwintering habitat. Poor spawning habitat.                                                                                                                           |
| 12   | 480-195700-36100       | 2     | 23.33     | 4.5          | BT, DV     | S1           | n                           | Moderate rearing habitat. Poor spawning habitat. Overwintering habitat present.                                                                                                              |
| 14   | 480-195700-48200-22800 | 1     | 5.57      | 10.0         | DV         | S2           | n                           | Poor rearing habitat. No spawning habitat. Overwintering habitat present.                                                                                                                    |
| 15   | 480-195700-48200       | 1     | 25.17     | 5.3          | BT, DV     | S1           | n                           | Moderate rearing and spawning habitat. Overwintering habitat present.                                                                                                                        |
| 18   | 480-195700-48200-36200 | 1     | 6.50      | 6.0          | DV, BT     | S2           | n                           | Poor rearing and spawning habitat. Overwintering habitat present.                                                                                                                            |
| 19   | 480-195700-48200-52400 | 2     | 7.86      | 5.8          | NFC        | S2/S5        | n                           | A 50 m cascade in Reach 1 is a potential barrier to upstream fish migration. A 4 m cascade in Reach 2 is a barrier to upstream fish migration. Non fish bearing upstream of the 4 m cascade. |
| 20   | 480-195700-60300       | 1     | 7.17      | 6.5          | BT         | S2           | n                           | Moderate rearing habitat. Poor spawning habitat. Overwintering habitat present.                                                                                                              |
| 22   | 480-195700-60300       | 5     | 5.00      | 14.8         | NFC        | S2*/S5       | n                           | A 10 m falls prevents upstream fish migration. Inferred fish bearing downstream of the falls. Non fish bearing upstream of the falls.                                                        |
| 26   | 480-195700             | 8     | 22.67     | 4.5          | DV         | S1           | n                           | Good rearing habitat. Poor spawning habitat. Overwintering habitat present.                                                                                                                  |
| 28   | 480-195700-82900       | 6     | 2.83      | 1.9          | DV         | S3           | n                           | High quality spawning and rearing habitat. Overwintering habitat present.                                                                                                                    |
| 31   | 480-195700-78000       | 4     | 2.20      | 5.0          | DV         | S3           | n                           | Moderate rearing habitat. Poor spawning habitat. Overwintering habitat present.                                                                                                              |
| 32   | 480-195700-78000-13700 | 1     | 2.52      | 5.3          | DV         | S3           | n                           | Moderate rearing and spawning habitat. Overwintering habitat present.                                                                                                                        |
| 33   | 480-195700-75300       | 3     | 1.42      | 3.8          | DV         | S4           | n                           | Moderate rearing and spawning habitat. No overwintering habitat present.                                                                                                                     |
| 36   | 480-195700-69300-28300 | 1     | 5.30      | 5.0          | RB         | S2           | n                           | A 7 m cascade prevents upstream fish migration. Resident fish are present upstream of the cascade. Moderate rearing habitat. Poor spawning habitat. Overwintering habitat present.           |

**Table 4. Summary of fish bearing reaches within the study area.**

| Site | ILP/WSC                     | Reach | Width (m) | Gradient (%) | Species | Stream Class | Follow-up Sampling (y or n) | Comments                                                                                                                                                                                                       |
|------|-----------------------------|-------|-----------|--------------|---------|--------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 37   | 480-195700-69200            | 9     | 7.12      | 13.0         | DV      | S2           | n                           | Moderate rearing habitat. Poor spawning habitat. Overwintering habitat present.                                                                                                                                |
| 39   | 11301                       | 1     | 4.47      | 4.0          | DV      | S3           | n                           | Moderate rearing and spawning habitat. Overwintering habitat present.                                                                                                                                          |
| 41   | 480-195700-66100            | 3     | 1.70      | 5.0          | DV      | S3           | n                           | Moderate spawning and rearing habitat. No overwintering habitat.                                                                                                                                               |
| 42   | 480-195700-62000            | 1     | 1.62      | 2.5          | RB, DV  | S3           | n                           | Moderate rearing habitat. Poor spawning habitat. Overwintering habitat present.                                                                                                                                |
| 43   | 480-195700-49100            | 3     | 3.35      | 3.8          | DV      | S3           | n                           | Moderate rearing and spawning habitat. No overwintering habitat present.                                                                                                                                       |
| 46   | 480-195700-34400            | 6     | 1.56      | 1.3          | RB, DV  | S3           | n                           | Moderate spawning and rearing habitat. Overwintering habitat present.                                                                                                                                          |
| 47   | 480-195700-16200-33900      | 2     | 2.42      | 2.3          | NFC     | S3*          | y                           | High gradient (map interpretation 26%) Reach 1 prevents upstream fish migration. Lakes upstream of gradient may have resident fish. Inferred fish bearing until further sampling confirms fish bearing status. |
| 48   | 480-195700-15200            | 1     | 0.80      | 0.5          | CO      | S4           | n                           | Moderate rearing habitat. No spawning habitat. Potential overwintering habitat.                                                                                                                                |
| 49   | 480-195700-04600            | 1     | 4.43      | 3.5          | RB, CO  | S3           | n                           | Moderate rearing habitat. Good spawning habitat. No overwintering habitat in surveyed section.                                                                                                                 |
| 51   | 480-149000                  | 1     | 5.72      | 9.3          | DV, RB  | S2           | n                           | Moderate rearing habitat. Poor spawning habitat. No overwintering habitat present.                                                                                                                             |
| 211  | 480-195700-36100            | 6     | 9.43      | 6.5          | DV      | S2           | n                           | Low quality spawning and rearing habitat. Overwintering habitat present.                                                                                                                                       |
| 218  | 480-195700-60300-24100-3100 | 4     | 0.83      | 4.5          | DV      | S4           | n                           | Moderate spawning and rearing habitat. Overwintering habitat present.                                                                                                                                          |
| 220  | 480-195700-60300-24100-3100 | 5     | NS        | NS           | DV      | NS           | n                           | Fish sampling only.                                                                                                                                                                                            |
| 221  | 10977                       | 1     | NS        | NS           | NFC     | NS           | n                           | Fish sampling only.                                                                                                                                                                                            |
| 223  | 480-195700-82000            | 3     | 1.02      | 5.5          | DV      | S4           | n                           | Moderate spawning and rearing habitat. Overwintering habitat present.                                                                                                                                          |
| 224  | 480-195700-75300            | 4     | 1.53      | 9.0          | DV      | S3           | n                           | Moderate spawning and rearing habitat. No overwintering habitat.                                                                                                                                               |



**Table 4. Summary of fish bearing reaches within the study area.**

| Site | ILP/WSC                | Reach | Width (m) | Gradient (%) | Species    | Stream Class | Follow-up Sampling (y or n) | Comments                                                                                                                                                                                          |
|------|------------------------|-------|-----------|--------------|------------|--------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 226  | 11529                  | 1     | 0.92      | 16.0         | NFC        | S4*          | n                           | Low quality spawning and rearing habitat. No overwintering habitat present. Inferred fish bearing based on potential access from downstream fish bearing water.                                   |
| 230  | 11468                  | 1     | NS        | NS           | NFC        | NS           | n                           | Fish sampling only.                                                                                                                                                                               |
| 231  | 480-195700-69300-18900 | 1     | 8.25      | 3.5          | ST, BT     | S2           | n                           | Moderate spawning and rearing habitat. Overwintering habitat present.                                                                                                                             |
| 232  | 480-195700-69300-18900 | 3     | 9.18      | 2.5          | NFC        | S2*          | y                           | High quality spawning and rearing habitat. Overwintering habitat present. Inferred fish bearing. Potential barriers (gradient and falls) downstream may limit upstream fish migration.            |
| 235  | 480-195700-69300-28300 | 1     | NS        | NS           | RB         | NS           | n                           | Fish sampling only.                                                                                                                                                                               |
| 236  | 480-195700-69300-28300 | 6     | NS        | NS           | NFC        | NS           | n                           | Fish sampling only.                                                                                                                                                                               |
| 239  | 480-195700-66900       | 1     | 1.92      | 9.0          | DV         | S3           | n                           | Moderate rearing habitat. Low quality spawning habitat. Overwintering habitat present.                                                                                                            |
| 240  | 10885                  | 1     | 1.22      | 9.0          | NS         | S4*          | n                           | Low quality spawning and rearing habitat. No overwintering habitat. Inferred fish bearing based on potential access.                                                                              |
| 241  | 10630                  | 1     | NS        | NS           | RB, BT, DV | NS           | n                           | Fish sampling only.                                                                                                                                                                               |
| 243  | 480-195700-34400       | 3     | 5.20      | 2.5          | RB         | S2           | n                           | Moderate rearing and spawning habitat. Overwintering habitat present.                                                                                                                             |
| 244  | 480-195700-34400       | 8     | 1.65      | 3.5          | NFC        | S3*/S6       | n                           | A 12 m falls prevents upstream fish migration. Inferred fish bearing downstream of the falls. Non fish bearing upstream of the falls.                                                             |
| 245  | 480-195700-16200-56500 | 3     | 1.53      | 3.5          | NS         | S3*          | y                           | No spawning, rearing or overwintering habitat. Inferred fish bearing as upstream lake may be fish bearing. Further sampling may confirm fish bearing status.                                      |
| 246  | 480-195700-02400       | 8     | NS        | NS           | NFC        | NS           | n                           | Fish sampling only.                                                                                                                                                                               |
| 247  | 480-160900             | 2     | 9.20      | 6.0          | RB         | S2/S5        | n                           | A 20 m falls prevents upstream fish migration. Non fish bearing upstream of the falls. Moderate rearing habitat, low quality spawning habitat, and overwintering habitat downstream of the falls. |



**Table 4. Summary of fish bearing reaches within the study area.**

| Site | ILP/WSC                     | Reach | Width (m) | Gradient (%) | Species    | Stream Class | Follow-up Sampling (y or n) | Comments                                                                               |
|------|-----------------------------|-------|-----------|--------------|------------|--------------|-----------------------------|----------------------------------------------------------------------------------------|
| 248  | 480-195700-48200-36200      | 1     | 9.83      | 1.8          | NS         | S2           | n                           | Moderate rearing habitat. Low quality spawning habitat. Overwintering habitat present. |
| 249  | 480-195700-29500            | 2     | 7.50      | 4.3          | NS         | S2           | n                           | Moderate rearing habitat. Low quality spawning habitat. Overwintering habitat present. |
| 255  | 480-195700-82900            | 1     | 5.75      | 4.0          | BT, CO, RB | S2           | n                           | Moderate spawning, rearing, and overwintering habitat.                                 |
| 289  | 480-195700-60300-24100-3100 | 1     | NS        | NS           | DV         | NS           | n                           | Fish sampling only.                                                                    |
| 620  | 480-195700-80300            | 1     | 9.02      | 3.5          | NFC        | S2           | n                           | Moderate rearing habitat, spawning habitat, and overwintering habitat.                 |
| 621  | 480-195700                  | 6     | NS        | NS           | BT         | NS           | n                           | Fish sampling only.                                                                    |
| 622  | 480-195700                  | 6     | NS        | NS           | NFC        | NS           | n                           | Fish sampling only.                                                                    |
| 623  | 480-195700                  | 6     | NS        | NS           | NFC        | NS           | n                           | Fish sampling only.                                                                    |
| 624  | 480-195700                  | 6     | NS        | NS           | NFC        | NS           | n                           | Fish sampling only.                                                                    |
| 625  | 480-195700-48200            | 1     | 16.37     | 4.5          | NS         | S2           | n                           | Moderate rearing habitat. Low quality spawning habitat. Overwintering habitat present. |
| 626  | 480-195700                  | 4     | NS        | NS           | BT         | NS           | n                           | Fish sampling only.                                                                    |
| 627  | 480-195700                  | 4     | NS        | NS           | NFC        | NS           | n                           | Fish sampling only.                                                                    |
| 628  | 480-195700                  | 2     | NS        | NS           | NFC        | NS           | n                           | Fish sampling only.                                                                    |
| 629  | 480-195700                  | 2     | NS        | NS           | BT         | NS           | n                           | Fish sampling only.                                                                    |
| 630  | 480-195700                  | 1     | NS        | NS           | BT         | NS           | n                           | Fish sampling only.                                                                    |
| 678  | 480-195700                  | 4     | NS        | NS           | NFC        | NS           | n                           | Fish sampling only.                                                                    |
| 771  | 480-195700-69300            | 1     | 19.67     | 2.8          | NS         | S2           | n                           | Moderate rearing habitat, spawning habitat, and overwintering habitat.                 |
| 772  | 480-195700                  | 5     | NS        | NS           | NFC        | NS           | n                           | Fish sampling only.                                                                    |
| 773  | 480-195700-36100            | 1     | 8.33      | 6.8          | NS         | S2           | n                           | Low quality spawning habitat and rearing habitat. Overwintering habitat present        |
| 774  | 480-195700                  | 2     | NS        | NS           | BT, RB     | NS           | n                           | Fish sampling only.                                                                    |
| 775  | 480-195700                  | 1     | NS        | NS           | CO         | NS           | n                           | Fish sampling only.                                                                    |
| 777  | 480-195700-48200            | 2     | NS        | NS           | NFC        | NS           | n                           | Fish sampling only.                                                                    |
| 778  | 480-195700-80300            | 1     | NS        | NS           | NFC        | NS           | n                           | Fish sampling only.                                                                    |
| 779  | 480-195700                  | 4     | NS        | NS           | BT         | NS           | n                           | Fish sampling only.                                                                    |
| 780  | 480-195700                  | 4     | NS        | NS           | NFC        | NS           | n                           | Fish sampling only.                                                                    |
| 781  | 480-195700                  | 2     | NS        | NS           | BT, CO, RB | NS           | n                           | Fish sampling only.                                                                    |

**Table 4. Summary of fish bearing reaches within the study area.**

| Site | ILP/WSC    | Reach | Width (m) | Gradient (%) | Species        | Stream Class | Follow-up Sampling (y or n) | Comments            |
|------|------------|-------|-----------|--------------|----------------|--------------|-----------------------------|---------------------|
| 782  | 480-195700 | 1     | NS        | NS           | BT, ST         | NS           | n                           | Fish sampling only. |
| 881  | 480-195700 | 4     | NS        | NS           | NFC            | NS           | n                           | Fish sampling only. |
| 882  | 480-195700 | 2     | NS        | NS           | NFC            | NS           | n                           | Fish sampling only. |
| 883  | 480-195700 | 2     | NS        | NS           | BT, ST         | NS           | n                           | Fish sampling only. |
| 884  | 480-195700 | 1     | NS        | NS           | CO             | NS           | n                           | Fish sampling only. |
| 885  | 480-195700 | 1     | NS        | NS           | NFC            | NS           | n                           | Fish sampling only. |
| 901  | 480-195700 | 1     | NS        | NS           | CO             | NS           | n                           | Fish sampling only. |
| 902  | 480-195700 | 1     | NS        | NS           | NFC            | NS           | n                           | Fish sampling only. |
| 903  | 480-195700 | 1     | NS        | NS           | NFC            | NS           | n                           | Fish sampling only. |
| 904  | 480-195700 | 2     | NS        | NS           | NFC            | NS           | n                           | Fish sampling only. |
| 905  | 480-195700 | 2     | NS        | NS           | BT             | NS           | n                           | Fish sampling only. |
| 906  | 480-195700 | 2     | NS        | NS           | NFC            | NS           | n                           | Fish sampling only. |
| 907  | 480-195700 | 3     | NS        | NS           | NFC            | NS           | n                           | Fish sampling only. |
| 909  | 480-195700 | 1     | NS        | NS           | NFC            | NS           | n                           | Fish sampling only. |
| 910  | 480-195700 | 1     | NS        | NS           | NFC            | NS           | n                           | Fish sampling only. |
| 911  | 480-195700 | 2     | NS        | NS           | BT, CH, CO, RB | NS           | n                           | Fish sampling only. |
| 912  | 480-195700 | 4     | NS        | NS           | NFC            | NS           | n                           | Fish sampling only. |
| 913  | 480-195700 | 5     | NS        | NS           | NFC            | NS           | n                           | Fish sampling only. |
| 922  | 480-195700 | 6     | NS        | NS           | BT             | NS           | n                           | Fish sampling only. |
| 923  | 480-195700 | 1     | NS        | NS           | BT             | NS           | n                           | Fish sampling only. |
| 980  | 480-195700 | 6     | NS        | NS           | CO             | NS           | n                           | Fish sampling only. |
| 981  | 480-195700 | 7     | NS        | NS           | CO             | NS           | n                           | Fish sampling only. |
| 982  | 480-195700 | 4     | NS        | NS           | NFC            | NS           | n                           | Fish sampling only. |
| 983  | 480-195700 | 2     | NS        | NS           | NFC            | NS           | n                           | Fish sampling only. |
| 984  | 480-195700 | 2     | NS        | NS           | CO             | NS           | n                           | Fish sampling only. |
| 985  | 480-195700 | 1     | NS        | NS           | BT             | NS           | n                           | Fish sampling only. |

#### 4.6.2 Additional Sampling Recommendations

Three (3) reaches were recommended for additional sampling (Table 5). Additional sampling will clarify fish presence/absence and establish if any barriers exist in downstream reaches. No sport fish were captured in reaches recommended for additional sampling and these reaches are considered fish bearing until further sampling is conducted.

The reaches selected for additional sampling represent streams that possess potential barriers to upstream fish migration but negative sampling results combined with the presence of available overwintering habitat required they be classified as inferred fish bearing streams. Additional sampling upstream of the potential barriers can confirm the fish bearing status of these reaches.

The timing of additional sampling efforts is critical to ensuring optimal conditions and maximizing the potential for fish to occur. In particular, additional sampling should be conducted in the late summer or early fall immediately following peak runoff, which usually occurs in June/July. Reaches classified as fish bearing and selected for additional sampling could also be deferred by accepting this default classification, however the reaches selected for additional sampling would contribute valuable information to aid in determining fish presence and distribution for future stream classification work.



**Table 5. Additional Sampling Reaches**

| Site | Watershed Code         | Reach | Width (m) | Gradient (%) | Species | Stream Class | Comments                                                                                                                                                                                                       | Additional Sampling Recommendations                                                       |
|------|------------------------|-------|-----------|--------------|---------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 47   | 480-195700-16200-33900 | 2     | 2.42      | 2.25         | NFC     | S3*          | High gradient (map interpretation 26%) Reach 1 prevents upstream fish migration. Lakes upstream of gradient may have resident fish. Inferred fish bearing until further sampling confirms fish bearing status. | Additional stream and lake sampling would confirm the fish bearing status of this system. |
| 232  | 480-195700-69300-18900 | 3     | 9.18      | 2.50         | NFC     | S2*          | High quality spawning and rearing habitat. Overwintering habitat present. Inferred fish bearing. Potential barriers (gradient and falls) downstream may limit upstream fish migration.                         | Additional sampling may confirm fish absence above the potential barrier.                 |
| 245  | 480-195700-16200-56500 | 3     | 1.53      | 3.50         | NS      | S3*          | No spawning, rearing or overwintering habitat. Inferred fish bearing as upstream lake may be fish bearing. Further sampling may confirm fish bearing status.                                                   | Additional stream and lake sampling would confirm the fish bearing status of this system. |

#### 4.6.3 Non-Fish Bearing Status

Non-fish bearing status was assigned to 51 of the 91 sample sites within the study area (Table 6). A non-fish bearing classification has been assigned to all sampled reaches within the non-fish bearing table. Non-fish bearing classifications are associated with reaches that lack suitable habitat to sustain salmonids or are inaccessible to fish. Non-fish bearing status was assigned to reaches where:

- The drainage feature was labeled a non-visible channel containing no potential fish habitat;
- The stream was deemed inaccessible from fish bearing waters and did not have perennial fish habitat;
- Gradient prevented upstream fish migration and the stream did not have perennial fish habitat upstream;
- Permanent barriers (cascades, falls, etc.) prevented upstream fish migration and the stream did not have perennial fish habitat upstream;
- No fish habitat was present;
- The stream lacked a continuous definable channel bed as per the *Forest Practices Code Fish Stream Identification Guidebook*, (BC Forest Practices Code, 1998).;
- The stream gradient is >30% (through map interpretation) in the lower section of stream (i.e. reach 1) and all reaches upstream of that reach are >20%;
- The stream gradient is >30% (through map interpretation); Gradients were calculated during the pre field planning phases.

Inferred non-fish bearing status was given to reaches with the following criteria:

- The average stream gradient assigned was greater than or equal to 20% (through map interpretation) with no headwater lake present;
- Reaches above a stream section with an average gradient greater than or equal to 20% (through map interpretation) with no headwater lake present.

Often the non-fish bearing status of stream reaches with average gradients less than 20% is supported by evidence concerning the accessibility to potential fish bearing water. For example, obvious permanent barriers such as falls, cascades and high gradient sections are measured and adequate sampling is conducted above the potential barrier to confirm that the portion of stream above the barrier is non-fish bearing. Many of the headwater reaches and smaller streams reaches draw from such a small watershed area that they lack sufficient discharge volume required to develop significant channels and habitat complexity. These reaches are often ephemeral, containing shallow water depths, subsurface flows, lack of significant pools and have a predominance of organic and fine substrates.

**Table 6. Summary of non fish bearing reaches within the study area.**

| Site | ILP/WSC                | Reach | Width (m) | Gradient (%) | Stream Class | Date       | Electrofishing Specifications |          |           |             |            |           | Other Methods |        | Comments                                                                                                                                                  | Additional Rationale                                                                                                                                                         |
|------|------------------------|-------|-----------|--------------|--------------|------------|-------------------------------|----------|-----------|-------------|------------|-----------|---------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |                        |       |           |              |              |            | Dist. (m)                     | Time (s) | Cond (uS) | Stage (vis) | Turb (vis) | Temp (°C) | Type          | Method |                                                                                                                                                           |                                                                                                                                                                              |
| 1    | 480-069500             | 2     | 26.83     | 6.5          | S1/S5        | 2001/08/05 | 350                           | 478      | 50        | Low         | C          | 6         | None          | None   | Moderate rearing and overwintering habitat. Poor spawning habitat. A 10 m falls prevents upstream fish migration. Non fish bearing upstream of the falls. | A total of 5 sample sites (2320 seconds of EF effort over 1655 m of habitat) upstream of the 10 m falls confirms that no resident species are present upstream of the falls. |
| 2    | 480-069500-52800       | 5     | 1.67      | 1.6          | S6           | 2001/08/05 | 300                           | 376      | 40        | Mod         | C          | 7         | None          | None   | A 10 m falls in Reach 2 of WSC 480-069500 prevents upstream fish migration. Non fish bearing upstream of the falls.                                       | A total of 5 sample sites (2320 seconds of EF effort over 1655 m of habitat) upstream of the 10 m falls confirms that no resident species are present upstream of the falls. |
| 3    | 480-069500             | 6     | 6.58      | 8.0          | S5           | 2001/08/05 | 300                           | 362      | 60        | Mod         | C          | 6         | None          | None   | A 10 m falls in Reach 2 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                         | A total of 5 sample sites (2320 seconds of EF effort over 1655 m of habitat) upstream of the 10 m falls confirms that no resident species are present upstream of the falls. |
| 4    | 480-093700             | 6     | 1.37      | 10.3         | S6           | 2001/08/05 | 200                           | 261      | 40        | Low         | C          | 7         | None          | None   | A high gradient (map interpretation of 31%) Reach 4 prevents upstream fish migration. Non fish bearing upstream of the gradient.                          | A total of 3 sample sites (1014 seconds of EF effort over 740 m of habitat) upstream of the gradient confirms that no resident species are present upstream of the gradient. |
| 5    | 480-093700-77200       | 3     | 1.32      | 2.0          | S6           | 2001/08/05 | 200                           | 216      | 40        | Mod         | C          | 8         | None          | None   | A high gradient (map interpretation of 31%) Reach 4 of WSC 480-093700 prevents upstream fish migration. Non fish bearing upstream of the gradient.        | A total of 3 sample sites (1014 seconds of EF effort over 740 m of habitat) upstream of the gradient confirms that no resident species are present upstream of the gradient. |
| 6    | 480-149000             | 4     | 2.42      | 6.0          | S6           | 2001/08/05 | 200                           | 208      | 40        | Mod         | C          | 7         | None          | None   | A 2.5 m cascade in Reach 2 prevents upstream fish migration. Non fish bearing upstream of the cascade.                                                    | No overwintering habitat was observed upstream of the cascade. No fish caught upstream of the cascade.                                                                       |
| 7    | 480-160900-43800-72100 | 1     | 1.73      | 6.8          | S6           | 2001/08/05 | 200                           | 218      | 40        | Mod         | C          | 7         | None          | None   | A 20 m falls in Reach 2 of WSC 480-160900 prevents upstream fish migration. Non fish bearing upstream of the falls.                                       | A total of 7 sample sites (2962 seconds of EF effort over 2110 m of habitat) upstream of the 20 m falls confirms that no resident species are present upstream of the falls. |
| 8    | 480-160900-43800       | 3     | 3.02      | 2.0          | S5           | 2001/08/05 | 400                           | 384      | 50        | Mod         | C          | 8         | None          | None   | A 20 m falls in Reach 2 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                         | A total of 7 sample sites (2962 seconds of EF effort over 2110 m of habitat) upstream of the 20 m falls confirms that no resident species are present upstream of the falls. |



**Table 6. Summary of non fish bearing reaches within the study area.**

| Site | ILP/WSC                | Reach | Width (m) | Gradient (%) | Stream Class | Date       | Electrofishing Specifications |          |           |             |            |           | Other Methods |        | Comments                                                                                                                                              | Additional Rationale                                                                                                                                                               |
|------|------------------------|-------|-----------|--------------|--------------|------------|-------------------------------|----------|-----------|-------------|------------|-----------|---------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |                        |       |           |              |              |            | Dist. (m)                     | Time (s) | Cond (uS) | Stage (vis) | Turb (vis) | Temp (°C) | Type          | Method |                                                                                                                                                       |                                                                                                                                                                                    |
| 9    | 480-160900-43800       | 3     | 3.77      | 2.5          | S5           | 2001/08/05 | 200                           | 262      | 50        | Mod         | C          | 8         | None          | None   | A 20 m falls in Reach 2 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                     | A total of 7 sample sites (2962 seconds of EF effort over 2110 m of habitat) upstream of the 20 m falls confirms that no resident species are present upstream of the falls.       |
| 10   | 480-195700-29500       | 4     | 18.50     | 5.0          | S5           | 2001/08/06 | 300                           | 384      | 40        | Mod         | C          | 6         | None          | None   | A 5 m falls in Reach 3 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                      | A total of 5 sample sites (2299 seconds of EF effort over 1340 m of habitat) upstream of the 5 m falls confirms that no resident species are present upstream of the falls.        |
| 13   | 480-195700-36100       | 10    | 9.17      | 1.8          | S5           | 2001/08/06 | 150                           | 215      | 40        | High        | C          | 5         | None          | None   | A 40 m falls in Reach 7 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                     | A total of 2 sample sites (853 seconds of EF effort over 390 m of habitat) upstream of the 40 m falls confirms that no resident species are present upstream of the falls.         |
| 16   | 480-195700-48200-36200 | 6     | 10.17     | 4.0          | S5           | 2001/08/06 | 150                           | 186      | 40        | Mod         | L          | 5         | None          | None   | A 50 m cascade in Reach 5 and a high gradient (map interpretation 22%) Reach 3 prevent upstream fish migration. Non fish bearing upstream of Reach 3. | A total of 3 sample sites (1054 seconds of EF effort over 560 m of habitat) upstream of Reach 3 confirms that no resident species are present upstream of the gradient in Reach 3. |
| 19   | 480-195700-48200-52400 | 2     | 7.86      | 5.8          | S2/S5        | 2001/08/06 | 100                           | 116      | 50        | Mod         | C          | 5         | None          | None   | A 4 m cascade in Reach 2 is a barrier to upstream fish migration. Non fish bearing upstream of the cascade.                                           | A total of 2 sample sites (906 seconds of EF effort over 480 m of habitat) upstream of the 4 m cascade confirms that no resident species are present upstream of the cascade.      |
| 21   | 480-195700-60300       | 6     | 12.33     | 10.8         | S5           | 2001/08/07 | 300                           | 276      | 40        | Mod         | L          | 5         | None          | None   | A 10 m falls in Reach 5 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                     | A total of 2 sample sites (596 seconds of EF effort over 600 m of habitat) upstream of the 10 m falls confirms that no resident species are present upstream of the falls.         |
| 22   | 480-195700-60300       | 5     | 5.00      | 14.8         | S2*/S5       | 2001/08/07 | 300                           | 320      | 40        | Mod         | C          | 5         | None          | None   | A 10 m falls prevents upstream fish migration. Inferred fish bearing downstream of the falls. Non fish bearing upstream of the falls.                 | A total of 2 sample sites (596 seconds of EF effort over 600 m of habitat) upstream of the 10 m falls confirms that no resident species are present upstream of the falls.         |
| 23   | 480-195700-63000       | 1     | 6.67      | 4.3          | S5           | 2001/08/07 | 300                           | 391      | 40        | High        | C          | 5         | None          | None   | A 40 m cascade at the mouth prevents fish access to this reach. Non fish bearing upstream of the cascade.                                             | A total of 5 sample sites (1875 seconds of EF effort over 1220 m of habitat) upstream of the 40 m cascade confirms that no resident species are present upstream of the cascade.   |

**Table 6. Summary of non fish bearing reaches within the study area.**

| Site | ILP/WSC          | Reach | Width (m) | Gradient (%) | Stream Class | Date       | Electrofishing Specifications |          |           |             |            |           | Other Methods |        | Comments                                                                                                                       | Additional Rationale                                                                                                                                                                        |
|------|------------------|-------|-----------|--------------|--------------|------------|-------------------------------|----------|-----------|-------------|------------|-----------|---------------|--------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |                  |       |           |              |              |            | Dist. (m)                     | Time (s) | Cond (uS) | Stage (vis) | Turb (vis) | Temp (°C) | Type          | Method |                                                                                                                                |                                                                                                                                                                                             |
| 24   | 480-195700-63000 | 4     | 6.08      | 5.0          | S5           | 2001/08/07 | 300                           | 316      | 40        | High        | L          | 5         | None          | None   | A 40 m cascade at the mouth prevents fish access to this reach. Non fish bearing upstream of the cascade.                      | A total of 5 sample sites (1875 seconds of EF effort over 1220 m of habitat) upstream of the 40 m cascade confirms that no resident species are present upstream of the cascade.            |
| 25   | 11108            | 4     | 0.80      | 9.0          | S6           | 2001/08/07 | 200                           | 201      | 100       | Mod         | C          | 7         | None          | None   | High gradient (75%) downstream of the sample site prevents upstream fish migration. Non fish bearing upstream of the gradient. | No overwintering habitat was observed upstream of the high gradient section. No fish were captured upstream of the gradient.                                                                |
| 27   | 480-195700       | 10    | 7.17      | 3.3          | S5           | 2001/08/07 | 300                           | 368      | 40        | Mod         | C          | 5         | None          | None   | A 40 m falls prevents upstream fish migration. Non fish bearing upstream of the falls.                                         | A total of 2 sample sites (1161 seconds of EF effort over 510 m of habitat) upstream of the 40 m falls confirms that no resident species are present upstream of the falls.                 |
| 29   | 480-195700-80300 | 3     | 18.00     | 4.5          | S5           | 2001/08/08 | 500                           | 908      | 40        | High        | C          | 6         | None          | None   | A 20 m cascade in Reach 2 prevents upstream fish migration. Non fish bearing upstream of the cascade.                          | A total of 6 sample sites (3447 seconds of EF effort over 2403 m of habitat) upstream of the 40 m cascade in Reach 2 confirms that no resident species are present upstream of the cascade. |
| 30   | 480-195700-80300 | 8     | 10.40     | 2.8          | S5           | 2001/08/08 | 400                           | 509      | 40        | Mod         | L          | 5         | None          | None   | A 20 m cascade in Reach 2 prevents upstream fish migration. Non fish bearing upstream of the cascade.                          | A total of 6 sample sites (3447 seconds of EF effort over 2403 m of habitat) upstream of the 40 m cascade in Reach 2 confirms that no resident species are present upstream of the cascade. |
| 34   | 480-195700-69300 | 4     | 8.03      | 4.5          | S5           | 2001/08/08 | 300                           | 429      | 40        | Mod         | C          | 6         | None          | None   | A 15 m falls in Reach 3 prevents upstream fish migration. Non fish bearing upstream of the falls.                              | A total of 3 sample sites (1586 seconds of EF effort over 1210 m of habitat) upstream of the 15 m falls confirms that no resident species are present upstream of the falls.                |
| 35   | 480-195700-69300 | 5     | 22.00     | 1.8          | S5           | 2001/08/08 | 500                           | 627      | 40        | Mod         | C          | 6         | None          | None   | A 15 m falls in Reach 3 prevents upstream fish migration. Non fish bearing upstream of the falls.                              | A total of 3 sample sites (1586 seconds of EF effort over 1210 m of habitat) upstream of the 15 m falls confirms that no resident species are present upstream of the falls.                |
| 38   | 480-195700-69200 | 12    | 3.10      | 4.5          | S5           | 2001/08/09 | 200                           | 236      | 40        | Mod         | C          | 8         | None          | None   | A 7 m falls in Reach 11 prevents upstream fish migration. Non fish bearing upstream of falls.                                  | No overwintering habitat observed upstream of the 7 m falls. No fish were captured upstream of the falls.                                                                                   |

**Table 6. Summary of non fish bearing reaches within the study area.**

| Site | ILP/WSC          | Reach | Width (m) | Gradient (%) | Stream Class | Date       | Electrofishing Specifications |          |           |             |            |           | Other Methods |        | Comments                                                                                                                         | Additional Rationale                                                                                                                                                         |
|------|------------------|-------|-----------|--------------|--------------|------------|-------------------------------|----------|-----------|-------------|------------|-----------|---------------|--------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |                  |       |           |              |              |            | Dist. (m)                     | Time (s) | Cond (uS) | Stage (vis) | Turb (vis) | Temp (°C) | Type          | Method |                                                                                                                                  |                                                                                                                                                                              |
| 40   | 11057            | 5     | 2.08      | 5.0          | S6           | 2001/08/09 | 300                           | 319      | 50        | Mod         | C          | 7         | None          | None   | A 5 m cascade in Reach 3 prevents upstream fish migration. Non fish bearing upstream of the cascade.                             | No fish were captured upstream of the cascade.                                                                                                                               |
| 44   | 480-195700-40600 | 5     | 3.02      | 2.8          | S5           | 2001/08/09 | 300                           | 367      | 50        | Low         | C          | 7         | None          | None   | A 15 m falls in Reach 3 prevents upstream fish migration. Non fish bearing upstream of the falls.                                | A total of 2 sample sites (994 seconds of EF effort over 610 m of habitat) upstream of the 15 m falls confirms that no resident species are present upstream of the falls.   |
| 45   | 480-195700-36900 | 4     | 1.60      | 2.8          | S6           | 2001/08/09 | 300                           | 275      | 60        | Low         | C          | 7         | None          | None   | A 5 m falls in Reach 3 prevents upstream fish migration. Non fish bearing upstream of the falls.                                 | No overwintering habitat observed upstream of the 5 m falls. No fish were captured upstream of the falls.                                                                    |
| 50   | 480-123000       | 1     | 1.17      | 17.3         | S6           | 2001/08/10 | 100                           | 178      | 140       | Mod         | C          | 8         | None          | None   | High gradient (21%) at confluence prevents upstream fish migration. Non fish bearing upstream of gradient.                       | No fish were captured upstream of the gradient.                                                                                                                              |
| 201  | 480-069500       | 4     | 9.50      | 5.5          | S5           | 2001/08/05 | 380                           | 469      | 50        | Mod         | C          | 6         | None          | None   | A 10 m falls in Reach 2 prevents upstream fish migration. Non fish bearing upstream of the falls.                                | A total of 5 sample sites (2320 seconds of EF effort over 1655 m of habitat) upstream of the 10 m falls confirms that no resident species are present upstream of the falls. |
| 203  | 480-069500       | 5     | 9.67      | 5.5          | S5           | 2001/08/05 | 250                           | 478      | 50        | Mod         | C          | 6         | None          | None   | A 10 m falls in Reach 2 prevents upstream fish migration. Non fish bearing upstream of the falls.                                | A total of 5 sample sites (2320 seconds of EF effort over 1655 m of habitat) upstream of the 10 m falls confirms that no resident species are present upstream of the falls. |
| 204  | 480-093700       | 5     | 3.92      | 5.5          | S5           | 2001/08/05 | 340                           | 537      | 40        | Mod         | C          | 8         | None          | None   | A high gradient (map interpretation of 31%) Reach 4 prevents upstream fish migration. Non fish bearing upstream of the gradient. | A total of 3 sample sites (1014 seconds of EF effort over 740 m of habitat) upstream of the gradient confirms that no resident species are present upstream of the gradient. |
| 205  | 480-160900       | 4     | 6.23      | 8.5          | S5           | 2001/08/05 | 300                           | 368      | 40        | Mod         | C          | 6         | None          | None   | A 20 m falls in Reach 2 prevents upstream fish migration. Non fish bearing upstream of the falls.                                | A total of 7 sample sites (2962 seconds of EF effort over 2110 m of habitat) upstream of the 20 m falls confirms that no resident species are present upstream of the falls. |
| 208  | 480-195700-29500 | 5     | 7.65      | 5.8          | S5           | 2001/08/06 | 380                           | 690      | 30        | Mod         | C          | 6         | None          | None   | A 5 m falls in Reach 3 prevents upstream fish migration. Non fish bearing upstream of the falls.                                 | A total of 5 sample sites (2299 seconds of EF effort over 1340 m of habitat) upstream of the 5 m falls confirms that no resident species are present upstream of the falls.  |



**Table 6. Summary of non fish bearing reaches within the study area.**

| Site | ILP/WSC                | Reach | Width (m) | Gradient (%) | Stream Class | Date       | Electrofishing Specifications |          |           |             |            |           | Other Methods |        | Comments                                                                                                                  | Additional Rationale                                                                                                                                                               |
|------|------------------------|-------|-----------|--------------|--------------|------------|-------------------------------|----------|-----------|-------------|------------|-----------|---------------|--------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |                        |       |           |              |              |            | Dist. (m)                     | Time (s) | Cond (uS) | Stage (vis) | Turb (vis) | Temp (°C) | Type          | Method |                                                                                                                           |                                                                                                                                                                                    |
| 209  | 480-195700-29500-53200 | 1     | 4.18      | 9.0          | S5           | 2001/08/06 | 200                           | 450      | 30        | Mod         | C          | 6         | None          | None   | A 5 m falls in Reach 3 of WSC 480-195700-29500 prevents upstream fish migration. Non fish bearing upstream of the falls.  | A total of 5 sample sites (2299 seconds of EF effort over 1340 m of habitat) upstream of the 5 m falls confirms that no resident species are present upstream of the falls.        |
| 210  | 480-195700-29500-59900 | 1     | 5.97      | 8.3          | S5           | 2001/08/06 | 360                           | 495      | 40        | Mod         | C          | 6         | None          | None   | A 5 m falls in Reach 3 of WSC 480-195700-29500 prevents upstream fish migration. Non fish bearing upstream of the falls.  | A total of 5 sample sites (2299 seconds of EF effort over 1340 m of habitat) upstream of the 5 m falls confirms that no resident species are present upstream of the falls.        |
| 213  | 480-195700-48200-22800 | 2     | 4.67      | 13.7         | S5           | 2001/08/06 | 500                           | 962      | 40        | Mod         | C          | 5         | None          | None   | Sections of high gradient (>20%) within site prevent upstream fish migration. Non fish bearing upstream of gradient.      | No fish were captured upstream of the gradient.                                                                                                                                    |
| 214  | 480-195700-48200-36200 | 4     | 8.05      | 5.5          | S5           | 2001/08/05 | 210                           | 652      | 30        | Mod         | C          | 5         | None          | None   | High gradient (map interpretation 22%) in Reach 3 prevents upstream fish migration. Non fish bearing upstream of Reach 3. | A total of 3 sample sites (1054 seconds of EF effort over 560 m of habitat) upstream of Reach 3 confirms that no resident species are present upstream of the gradient in Reach 3. |
| 215  | 480-195700-48200       | 6     | 8.12      | 3.5          | S5           | 2001/08/06 | 500                           | 934      | 30        | High        | C          | 6         | None          | None   | A 10 m falls in Reach 5 prevents upstream fish migration. Non fish bearing upstream of the falls.                         | A total of 5 sample sites (1395 seconds of EF effort over 700 m of habitat) upstream of the 10 m falls confirms that no resident species are present upstream of the falls.        |
| 216  | 480-195700-48200       | 7     | 6.28      | 5.5          | S5           | 2001/08/06 | 200                           | 461      | 30        | High        | C          | 7         | None          | None   | A 10 m falls in Reach 5 prevents upstream fish migration. Non fish bearing upstream of the falls.                         | A total of 5 sample sites (1395 seconds of EF effort over 700 m of habitat) upstream of the 10 m falls confirms that no resident species are present upstream of the falls.        |
| 219  | 480-195700-63000       | 3     | 6.62      | 4.5          | S5           | 2001/08/09 | 420                           | 675      | 30        | High        | C          | 6         | None          | None   | A 40 m cascade at the mouth prevents fish access to this reach. Non fish bearing upstream of the cascade.                 | A total of 5 sample sites (1875 seconds of EF effort over 1220 m of habitat) upstream of the 40 m cascade confirms that no resident species are present upstream of the cascade.   |
| 222  | 10966                  | 2     | 0.70      | 7.0          | S6           | 2001/08/07 | 100                           | 153      | 30        | Mod         | C          | 6         | None          | None   | A 40 m cascade at the mouth (Reach 1) prevents fish access to this reach. Non fish bearing upstream of the cascade.       | A total of 5 sample sites (1875 seconds of EF effort over 1220 m of habitat) upstream of the 40 m cascade confirms that no resident species are present upstream of the cascade.   |

**Table 6. Summary of non fish bearing reaches within the study area.**

| Site | ILP/WSC                | Reach | Width (m) | Gradient (%) | Stream Class | Date       | Electrofishing Specifications |          |           |             |            |           | Other Methods |        | Comments                                                                                                                      | Additional Rationale                                                                                                                                                                        |
|------|------------------------|-------|-----------|--------------|--------------|------------|-------------------------------|----------|-----------|-------------|------------|-----------|---------------|--------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |                        |       |           |              |              |            | Dist. (m)                     | Time (s) | Cond (uS) | Stage (vis) | Turb (vis) | Temp (°C) | Type          | Method |                                                                                                                               |                                                                                                                                                                                             |
| 225  | 480-195700             | 10    | 8.05      | 6.0          | S5           | 2001/08/07 | 210                           | 793      | 30        | Mod         | L          | 6         | None          | None   | A 40 m falls in Reach 9 prevents upstream fish migration. Non fish bearing upstream of falls.                                 | A total of 2 sample sites (1161 seconds of EF effort over 510 m of habitat) upstream of the 40 m falls confirms that no resident species are present upstream of the falls.                 |
| 227  | 480-195700-80300-52200 | 1     | 8.18      | 3.5          | S5           | 2001/08/08 | 495                           | 672      | 30        | High        | C          | 4         | None          | None   | A 20 m cascade in Reach 2 of WSC 480 195700-80300 prevents upstream fish migration. Non fish bearing upstream of the cascade. | A total of 6 sample sites (3447 seconds of EF effort over 2403 m of habitat) upstream of the 40 m cascade in Reach 2 confirms that no resident species are present upstream of the cascade. |
| 228  | 480-195700-80300       | 6     | 7.50      | 5.5          | S5           | 2001/08/08 | 320                           | 329      | 40        | Mod         | C          | 5         | None          | None   | A 20 m cascade in Reach 2 prevents upstream fish migration. Non fish bearing upstream of the cascade.                         | A total of 6 sample sites (3447 seconds of EF effort over 2403 m of habitat) upstream of the 40 m cascade in Reach 2 confirms that no resident species are present upstream of the cascade. |
| 233  | 480-195700-69300-18900 | 6     | 9.05      | 5.5          | S5           | 2001/08/08 | 380                           | 375      | 30        | High        | C          | 9         | None          | None   | High gradient section (>30%) prevents upstream fish migration to this reach. Non fish bearing upstream of the gradient.       | No fish were captured upstream of the gradient.                                                                                                                                             |
| 234  | 480-195700-69300       | 7     | 10.73     | 4.5          | S5           | 2001/08/08 | 410                           | 530      | 30        | High        | L          | 5         | None          | None   | A 15 m falls in Reach 3 prevents upstream fish migration. Non fish bearing upstream of the falls.                             | A total of 3 sample sites (1586 seconds of EF effort over 1210 m of habitat) upstream of the 15 m falls confirms that no resident species are present upstream of the falls.                |
| 237  | 11301                  | 5     | 4.43      | 7.5          | S5           | 2001/08/09 | 290                           | 473      | 30        | Mod         | C          | 5         | None          | None   | A 10 m falls in Reach 1 prevents upstream fish migration. Non fish bearing upstream of the falls.                             | A total of 2 sample sites (1114 seconds of EF effort over 700 m of habitat) upstream of the 10 m falls confirms that no resident species are present upstream of the falls.                 |
| 238  | 11301                  | 2     | 4.77      | 4.5          | S5           | 2001/08/09 | 410                           | 641      | 30        | Mod         | C          | 6         | None          | None   | A 10 m falls in Reach 1 prevents upstream fish migration. Non fish bearing upstream of the falls.                             | A total of 2 sample sites (1114 seconds of EF effort over 700 m of habitat) upstream of the 10 m falls confirms that no resident species are present upstream of the falls.                 |
| 242  | 480-195700-40600       | 4     | 4.33      | 2.5          | S5           | 2001/08/09 | 450                           | 627      | 40        | Mod         | C          | 8         | None          | None   | A 15 m falls in Reach 3 prevents upstream fish migration. Non fish bearing upstream of the falls.                             | A total of 2 sample sites (994 seconds of EF effort over 610 m of habitat) upstream of the 15 m falls confirms that no resident species are present upstream of the falls.                  |



**Table 6. Summary of non fish bearing reaches within the study area.**

| Site | ILP/WSC          | Reach | Width (m) | Gradient (%) | Stream Class | Date       | Electrofishing Specifications |          |           |             |            |           | Other Methods |        | Comments                                                                                                                                                                                          | Additional Rationale                                                                                                                                                         |
|------|------------------|-------|-----------|--------------|--------------|------------|-------------------------------|----------|-----------|-------------|------------|-----------|---------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |                  |       |           |              |              |            | Dist. (m)                     | Time (s) | Cond (uS) | Stage (vis) | Turb (vis) | Temp (°C) | Type          | Method |                                                                                                                                                                                                   |                                                                                                                                                                              |
| 244  | 480-195700-34400 | 8     | 1.65      | 3.5          | S3*/S6       | 2001/08/10 | 310                           | 518      | 30        | Mod         | C          | 7         | Lake          | GN     | A 12 m falls prevents upstream fish migration. Inferred fish bearing downstream of the falls. Non fish bearing upstream of the falls.                                                             | Historical data indicates that no fish are present in a lake (Reach 13) upstream of the falls. No fish were captured upstream of the falls.                                  |
| 247  | 480-160900       | 2     | 9.20      | 6.0          | S2/S5        | 2001/08/10 | 420                           | 190      | 40        | Low         | C          | 10        | None          | None   | A 20 m falls prevents upstream fish migration. Non fish bearing upstream of the falls. Moderate rearing habitat, low quality spawning habitat, and overwintering habitat downstream of the falls. | A total of 7 sample sites (2962 seconds of EF effort over 2110 m of habitat) upstream of the 20 m falls confirms that no resident species are present upstream of the falls. |



Insufficient discharge often results in a lack of connectivity between the channelized portion of stream and downstream watercourses. Lack of connectivity can be described as the channelized portion of stream being isolated from downstream watercourses in which no surface connection or subsurface channel exists (joining the two at any time of the year). Evidence of no surface connection includes a lack of surface scour, no alluvial substrates and no evidence of surface ponding or seasonal flooding. Small streams with no connectivity to fish bearing waters were adequately sampled upstream of the loss of connectivity to verify fish presence or absence.

## **5.0 STREAM CLASSIFICATION SUMMARY**

Table 7 Provides a summary of stream inventory information collected during the project and Riparian Management Area (RMA) classifications for each reach sampled.

**Table 7. Stream sampling summary for the study area.**

| Site | ILP/WSC                | Reach | Map Number | Width (m) | Gradient (%) | Species    | Stream Class | Comments                                                                                                                                                  |
|------|------------------------|-------|------------|-----------|--------------|------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 480-069500             | 2     | 093M.063   | 26.83     | 6.5          | DV, BT     | S1/S5        | Moderate rearing and overwintering habitat. Poor spawning habitat. A 10 m falls prevents upstream fish migration. Non fish bearing upstream of the falls. |
| 2    | 480-069500-52800       | 5     | 093M.064   | 1.67      | 1.6          | NFC        | S6           | A 10 m falls in Reach 2 of WSC 480-069500 prevents upstream fish migration. Non fish bearing upstream of the falls.                                       |
| 3    | 480-069500             | 6     | 093M.074   | 6.58      | 8.0          | NFC        | S5           | A 10 m falls in Reach 2 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                         |
| 4    | 480-093700             | 6     | 093M.064   | 1.37      | 10.3         | NFC        | S6           | A high gradient (map interpretation of 31%) Reach 4 prevents upstream fish migration. Non fish bearing upstream of the gradient.                          |
| 5    | 480-093700-77200       | 3     | 093M.064   | 1.32      | 2.0          | NFC        | S6           | A high gradient (map interpretation of 31%) Reach 4 of WSC 480-093700 prevents upstream fish migration. Non fish bearing upstream of the gradient.        |
| 6    | 480-149000             | 4     | 093M.064   | 2.42      | 6.0          | NFC        | S6           | A 2.5 m cascade in Reach 2 prevents upstream fish migration. Non fish bearing upstream of the cascade.                                                    |
| 7    | 480-160900-43800-72100 | 1     | 093M.064   | 1.73      | 6.8          | NFC        | S6           | A 20 m falls in Reach 2 of WSC 480-160900 prevents upstream fish migration. Non fish bearing upstream of the falls.                                       |
| 8    | 480-160900-43800       | 3     | 093M.064   | 3.02      | 2.0          | NFC        | S5           | A 20 m falls in Reach 2 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                         |
| 9    | 480-160900-43800       | 3     | 093M.064   | 3.77      | 2.5          | NFC        | S5           | A 20 m falls in Reach 2 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                         |
| 10   | 480-195700-29500       | 4     | 093M.074   | 18.50     | 5.0          | NFC        | S5           | A 5 m falls in Reach 3 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                          |
| 11   | 480-195700-29500       | 2     | 093M.074   | 21.50     | 6.3          | DV, BT, RB | S1           | Moderate rearing and overwintering habitat. Poor spawning habitat.                                                                                        |
| 12   | 480-195700-36100       | 2     | 093M.074   | 23.33     | 4.5          | BT, DV     | S1           | Moderate rearing habitat. Poor spawning habitat. Overwintering habitat present.                                                                           |
| 13   | 480-195700-36100       | 10    | 093M.074   | 9.17      | 1.8          | NFC        | S5           | A 40 m falls in Reach 7 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                         |
| 14   | 480-195700-48200-22800 | 1     | 093M.074   | 5.57      | 10.0         | DV         | S2           | Poor rearing habitat. No spawning habitat. Overwintering habitat present.                                                                                 |

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**Table 7. Stream sampling summary for the study area.**

| Site | ILP/WSC                     | Reach | Map Number | Width (m) | Gradient (%) | Species | Stream Class | Comments                                                                                                                                                                                     |
|------|-----------------------------|-------|------------|-----------|--------------|---------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15   | 480-195700-48200            | 1     | 093M.084   | 25.17     | 5.3          | BT, DV  | S1           | Moderate rearing and spawning habitat. Overwintering habitat present.                                                                                                                        |
| 16   | 480-195700-48200-36200      | 6     | 093M.084   | 10.17     | 4.0          | NFC     | S5           | A 50 m cascade in Reach 5 and a high gradient (map interpretation 22%) Reach 3 prevent upstream fish migration. Non fish bearing upstream of Reach 3.                                        |
| 17   | 480-195700-48200-36200-4610 | 1     | 093M.084   | NS        | NS           | NFC     | NS           | Fish sampling only.                                                                                                                                                                          |
| 18   | 480-195700-48200-36200      | 1     | 093M.084   | 6.50      | 6.0          | DV, BT  | S2           | Poor rearing and spawning habitat. Overwintering habitat present.                                                                                                                            |
| 19   | 480-195700-48200-52400      | 2     | 093M.084   | 7.86      | 5.8          | NFC     | S2/S5        | A 50 m cascade in Reach 1 is a potential barrier to upstream fish migration. A 4 m cascade in Reach 2 is a barrier to upstream fish migration. Non fish bearing upstream of the 4 m cascade. |
| 20   | 480-195700-60300            | 1     | 093M.084   | 7.17      | 6.5          | BT      | S2           | Moderate rearing habitat. Poor spawning habitat. Overwintering habitat present.                                                                                                              |
| 21   | 480-195700-60300            | 6     | 093M.084   | 12.33     | 10.8         | NFC     | S5           | A 10 m falls in Reach 5 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                                                            |
| 22   | 480-195700-60300            | 5     | 093M.084   | 5.00      | 14.8         | NFC     | S2*/S5       | A 10 m falls prevents upstream fish migration. Inferred fish bearing downstream of the falls. Non fish bearing upstream of the falls.                                                        |
| 23   | 480-195700-63000            | 1     | 093M.084   | 6.67      | 4.3          | NFC     | S5           | A 40 m cascade at the mouth prevents fish access to this reach. Non fish bearing upstream of the cascade.                                                                                    |
| 24   | 480-195700-63000            | 4     | 093M.084   | 6.08      | 5.0          | NFC     | S5           | A 40 m cascade at the mouth prevents fish access to this reach. Non fish bearing upstream of the cascade.                                                                                    |
| 25   | 11108                       | 4     | 093M.084   | 0.80      | 9.0          | NFC     | S6           | High gradient (75%) downstream of the sample site prevents upstream fish migration. Non fish bearing upstream of the gradient.                                                               |
| 26   | 480-195700                  | 8     | 093M.094   | 22.67     | 4.5          | DV      | S1           | Good rearing habitat. Poor spawning habitat. Overwintering habitat present.                                                                                                                  |
| 27   | 480-195700                  | 10    | 093M.093   | 7.17      | 3.3          | NFC     | S5           | A 40 m falls prevents upstream fish migration. Non fish bearing upstream of the falls.                                                                                                       |



**Table 7. Stream sampling summary for the study area.**

| Site | ILP/WSC                | Reach | Map Number | Width (m) | Gradient (%) | Species | Stream Class | Comments                                                                                                                                                                           |
|------|------------------------|-------|------------|-----------|--------------|---------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 28   | 480-195700-82900       | 6     | 093M.094   | 2.83      | 1.9          | DV      | S3           | High quality spawning and rearing habitat. Overwintering habitat present.                                                                                                          |
| 29   | 480-195700-80300       | 3     | 093M.094   | 18.00     | 4.5          | NFC     | S5           | A 20 m cascade in Reach 2 prevents upstream fish migration. Non fish bearing upstream of the cascade.                                                                              |
| 30   | 480-195700-80300       | 8     | 093M.094   | 10.40     | 2.8          | NFC     | S5           | A 20 m cascade in Reach 2 prevents upstream fish migration. Non fish bearing upstream of the cascade.                                                                              |
| 31   | 480-195700-78000       | 4     | 093M.094   | 2.20      | 5.0          | DV      | S3           | Moderate rearing habitat. Poor spawning habitat. Overwintering habitat present.                                                                                                    |
| 32   | 480-195700-78000-13700 | 1     | 093M.094   | 2.52      | 5.3          | DV      | S3           | Moderate rearing and spawning habitat. Overwintering habitat present.                                                                                                              |
| 33   | 480-195700-75300       | 3     | 093M.094   | 1.42      | 3.8          | DV      | S4           | Moderate rearing and spawning habitat. No overwintering habitat present.                                                                                                           |
| 34   | 480-195700-69300       | 4     | 093M.084   | 8.03      | 4.5          | NFC     | S5           | A 15 m falls in Reach 3 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                                                  |
| 35   | 480-195700-69300       | 5     | 093M.084   | 22.00     | 1.8          | NFC     | S5           | A 15 m falls in Reach 3 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                                                  |
| 36   | 480-195700-69300-28300 | 1     | 093M.084   | 5.30      | 5.0          | RB      | S2           | A 7 m cascade prevents upstream fish migration. Resident fish are present upstream of the cascade. Moderate rearing habitat. Poor spawning habitat. Overwintering habitat present. |
| 37   | 480-195700-69200       | 9     | 093M.084   | 7.12      | 13.0         | DV      | S2           | Moderate rearing habitat. Poor spawning habitat. Overwintering habitat present.                                                                                                    |
| 38   | 480-195700-69200       | 12    | 093M.085   | 3.10      | 4.5          | NFC     | S5           | A 7 m falls in Reach 11 prevents upstream fish migration. Non fish bearing upstream of falls.                                                                                      |
| 39   | 11301                  | 1     | 093M.085   | 4.47      | 4.0          | DV      | S3           | Moderate rearing and spawning habitat. Overwintering habitat present.                                                                                                              |
| 40   | 11057                  | 5     | 093M.085   | 2.08      | 5.0          | NFC     | S6           | A 5 m cascade in Reach 3 prevents upstream fish migration. Non fish bearing upstream of the cascade.                                                                               |
| 41   | 480-195700-66100       | 3     | 093M.084   | 1.70      | 5.0          | DV      | S3           | Moderate spawning and rearing habitat. No overwintering habitat.                                                                                                                   |
| 42   | 480-195700-62000       | 1     | 093M.084   | 1.62      | 2.5          | RB, DV  | S3           | Moderate rearing habitat. Poor spawning habitat. Overwintering habitat present.                                                                                                    |

**Table 7. Stream sampling summary for the study area.**

| Site | ILP/WSC                | Reach | Map Number | Width (m) | Gradient (%) | Species | Stream Class | Comments                                                                                                                                                                                                       |
|------|------------------------|-------|------------|-----------|--------------|---------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 43   | 480-195700-49100       | 3     | 093M.084   | 3.35      | 3.8          | DV      | S3           | Moderate rearing and spawning habitat. No overwintering habitat present.                                                                                                                                       |
| 44   | 480-195700-40600       | 5     | 093M.084   | 3.02      | 2.8          | NFC     | S5           | A 15 m falls in Reach 3 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                                                                              |
| 45   | 480-195700-36900       | 4     | 093M.074   | 1.60      | 2.8          | NFC     | S6           | A 5 m falls in Reach 3 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                                                                               |
| 46   | 480-195700-34400       | 6     | 093M.075   | 1.56      | 1.3          | RB, DV  | S3           | Moderate spawning and rearing habitat. Overwintering habitat present.                                                                                                                                          |
| 47   | 480-195700-16200-33900 | 2     | 093M.065   | 2.42      | 2.3          | NFC     | S3*          | High gradient (map interpretation 26%) Reach 1 prevents upstream fish migration. Lakes upstream of gradient may have resident fish. Inferred fish bearing until further sampling confirms fish bearing status. |
| 48   | 480-195700-15200       | 1     | 093M.065   | 0.80      | 0.5          | CO      | S4           | Moderate rearing habitat. No spawning habitat. Potential overwintering habitat.                                                                                                                                |
| 49   | 480-195700-04600       | 1     | 093M.065   | 4.43      | 3.5          | RB, CO  | S3           | Moderate rearing habitat. Good spawning habitat. No overwintering habitat in surveyed section.                                                                                                                 |
| 50   | 480-123000             | 1     | 093M.064   | 1.17      | 17.3         | NFC     | S6           | High gradient (21%) at confluence prevents upstream fish migration. Non fish bearing upstream of gradient.                                                                                                     |
| 51   | 480-149000             | 1     | 093M.064   | 5.72      | 9.3          | DV, RB  | S2           | Moderate rearing habitat. Poor spawning habitat. No overwintering habitat present.                                                                                                                             |
| 201  | 480-069500             | 4     | 093M.064   | 9.50      | 5.5          | NFC     | S5           | A 10 m falls in Reach 2 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                                                                              |
| 202  | 480-069500             | 4     | 093M.074   | NS        | NS           | NFC     | NS           | Fish sampling only.                                                                                                                                                                                            |
| 203  | 480-069500             | 5     | 093M.074   | 9.67      | 5.5          | NFC     | S5           | A 10 m falls in Reach 2 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                                                                              |
| 204  | 480-093700             | 5     | 093M.064   | 3.92      | 5.5          | NFC     | S5           | A high gradient (map interpretation of 31%) Reach 4 prevents upstream fish migration. Non fish bearing upstream of the gradient.                                                                               |
| 205  | 480-160900             | 4     | 093M.064   | 6.23      | 8.5          | NFC     | S5           | A 20 m falls in Reach 2 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                                                                              |
| 206  | 480-160900             | 5     | 093M.064   | NS        | NS           | NFC     | NS           | Fish sampling only.                                                                                                                                                                                            |



**Table 7. Stream sampling summary for the study area.**

| Site | ILP/WSC                     | Reach | Map Number | Width (m) | Gradient (%) | Species | Stream Class | Comments                                                                                                                  |
|------|-----------------------------|-------|------------|-----------|--------------|---------|--------------|---------------------------------------------------------------------------------------------------------------------------|
| 207  | 480-160900-43800            | 2     | 093M.064   | NS        | NS           | NFC     | NS           | Fish sampling only.                                                                                                       |
| 208  | 480-195700-29500            | 5     | 093M.074   | 7.65      | 5.8          | NFC     | S5           | A 5 m falls in Reach 3 prevents upstream fish migration. Non fish bearing upstream of the falls.                          |
| 209  | 480-195700-29500-53200      | 1     | 093M.074   | 4.18      | 9.0          | NFC     | S5           | A 5 m falls in Reach 3 of WSC 480-195700-29500 prevents upstream fish migration. Non fish bearing upstream of the falls.  |
| 210  | 480-195700-29500-59900      | 1     | 093M.074   | 5.97      | 8.3          | NFC     | S5           | A 5 m falls in Reach 3 of WSC 480-195700-29500 prevents upstream fish migration. Non fish bearing upstream of the falls.  |
| 211  | 480-195700-36100            | 6     | 093M.074   | 9.43      | 6.5          | DV      | S2           | Low quality spawning and rearing habitat. Overwintering habitat present.                                                  |
| 212  | 480-195700-36100            | 11    | 093M.074   | NS        | NS           | NFC     | NS           | Fish sampling only.                                                                                                       |
| 213  | 480-195700-48200-22800      | 2     | 093M.074   | 4.67      | 13.7         | NFC     | S5           | Sections of high gradient (>20%) within site prevent upstream fish migration. Non fish bearing upstream of gradient.      |
| 214  | 480-195700-48200-36200      | 4     | 093M.084   | 8.05      | 5.5          | NFC     | S5           | High gradient (map interpretation 22%) in Reach 3 prevents upstream fish migration. Non fish bearing upstream of Reach 3. |
| 215  | 480-195700-48200            | 6     | 093M.084   | 8.12      | 3.5          | NFC     | S5           | A 10 m falls in Reach 5 prevents upstream fish migration. Non fish bearing upstream of the falls.                         |
| 216  | 480-195700-48200            | 7     | 093M.083   | 6.28      | 5.5          | NFC     | S5           | A 10 m falls in Reach 5 prevents upstream fish migration. Non fish bearing upstream of the falls.                         |
| 217  | 480-195700-48200-52400      | 3     | 093M.084   | NS        | NS           | NFC     | NS           | Fish sampling only.                                                                                                       |
| 218  | 480-195700-60300-24100-3100 | 4     | 093M.084   | 0.83      | 4.5          | DV      | S4           | Moderate spawning and rearing habitat. Overwintering habitat present.                                                     |
| 219  | 480-195700-63000            | 3     | 093M.084   | 6.62      | 4.5          | NFC     | S5           | A 40 m cascade at the mouth prevents fish access to this reach. Non fish bearing upstream of the cascade.                 |
| 220  | 480-195700-60300-24100-3100 | 5     | 093M.084   | NS        | NS           | DV      | NS           | Fish sampling only.                                                                                                       |
| 221  | 10977                       | 1     | 093M.084   | NS        | NS           | NFC     | NS           | Fish sampling only.                                                                                                       |



**Table 7. Stream sampling summary for the study area.**

| Site | ILP/WSC                | Reach | Map Number | Width (m) | Gradient (%) | Species | Stream Class | Comments                                                                                                                                                                               |
|------|------------------------|-------|------------|-----------|--------------|---------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 222  | 10966                  | 2     | 093M.084   | 0.70      | 7.0          | NFC     | S6           | A 40 m cascade at the mouth (Reach 1) prevents fish access to this reach. Non fish bearing upstream of the cascade.                                                                    |
| 223  | 480-195700-82000       | 3     | 093M.094   | 1.02      | 5.5          | DV      | S4           | Moderate spawning and rearing habitat. Overwintering habitat present.                                                                                                                  |
| 224  | 480-195700-75300       | 4     | 093M.094   | 1.53      | 9.0          | DV      | S3           | Moderate spawning and rearing habitat. No overwintering habitat.                                                                                                                       |
| 225  | 480-195700             | 10    | 093M.094   | 8.05      | 6.0          | NFC     | S5           | A 40 m falls in Reach 9 prevents upstream fish migration. Non fish bearing upstream of falls.                                                                                          |
| 226  | 11529                  | 1     | 093M.094   | 0.92      | 16.0         | NFC     | S4*          | Low quality spawning and rearing habitat. No overwintering habitat present. Inferred fish bearing based on potential access from downstream fish bearing water.                        |
| 227  | 480-195700-80300-52200 | 1     | 093M.094   | 8.18      | 3.5          | NFC     | S5           | A 20 m cascade in Reach 2 of WSC 480 195700-80300 prevents upstream fish migration. Non fish bearing upstream of the cascade.                                                          |
| 228  | 480-195700-80300       | 6     | 093M.094   | 7.50      | 5.5          | NFC     | S5           | A 20 m cascade in Reach 2 prevents upstream fish migration. Non fish bearing upstream of the cascade.                                                                                  |
| 229  | 480-195700-80300-52200 | 2     | 093M.094   | NS        | NS           | NFC     | NS           | Fish sampling only.                                                                                                                                                                    |
| 230  | 11468                  | 1     | 093M.094   | NS        | NS           | NFC     | NS           | Fish sampling only.                                                                                                                                                                    |
| 231  | 480-195700-69300-18900 | 1     | 093M.084   | 8.25      | 3.5          | ST, BT  | S2           | Moderate spawning and rearing habitat. Overwintering habitat present.                                                                                                                  |
| 232  | 480-195700-69300-18900 | 3     | 093M.094   | 9.18      | 2.5          | NFC     | S2*          | High quality spawning and rearing habitat. Overwintering habitat present. Inferred fish bearing. Potential barriers (gradient and falls) downstream may limit upstream fish migration. |
| 233  | 480-195700-69300-18900 | 6     | 093M.094   | 9.05      | 5.5          | NFC     | S5           | High gradient section (>30%) prevents upstream fish migration to this reach. Non fish bearing upstream of the gradient.                                                                |
| 234  | 480-195700-69300       | 7     | 093M.094   | 10.73     | 4.5          | NFC     | S5           | A 15 m falls in Reach 3 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                                                      |
| 235  | 480-195700-69300-28300 | 1     | 093M.084   | NS        | NS           | RB      | NS           | Fish sampling only.                                                                                                                                                                    |
| 236  | 480-195700-69300-28300 | 6     | 093M.084   | NS        | NS           | NFC     | NS           | Fish sampling only.                                                                                                                                                                    |

**Table 7. Stream sampling summary for the study area.**

| Site | ILP/WSC                | Reach | Map Number | Width (m) | Gradient (%) | Species    | Stream Class | Comments                                                                                                                                                                                          |
|------|------------------------|-------|------------|-----------|--------------|------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 237  | 11301                  | 5     | 093M.085   | 4.43      | 7.5          | NFC        | S5           | A 10 m falls in Reach 1 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                                                                 |
| 238  | 11301                  | 2     | 093M.085   | 4.77      | 4.5          | NFC        | S5           | A 10 m falls in Reach 1 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                                                                 |
| 239  | 480-195700-66900       | 1     | 093M.084   | 1.92      | 9.0          | DV         | S3           | Moderate rearing habitat. Low quality spawning habitat. Overwintering habitat present.                                                                                                            |
| 240  | 10885                  | 1     | 093M.084   | 1.22      | 9.0          | NS         | S4*          | Low quality spawning and rearing habitat. No overwintering habitat. Inferred fish bearing based on potential access.                                                                              |
| 241  | 10630                  | 1     | 093M.074   | NS        | NS           | RB, BT, DV | NS           | Fish sampling only.                                                                                                                                                                               |
| 242  | 480-195700-40600       | 4     | 093M.074   | 4.33      | 2.5          | NFC        | S5           | A 15 m falls in Reach 3 prevents upstream fish migration. Non fish bearing upstream of the falls.                                                                                                 |
| 243  | 480-195700-34400       | 3     | 093M.074   | 5.20      | 2.5          | RB         | S2           | Moderate rearing and spawning habitat. Overwintering habitat present.                                                                                                                             |
| 244  | 480-195700-34400       | 8     | 093M.075   | 1.65      | 3.5          | NFC        | S3*/S6       | A 12 m falls prevents upstream fish migration. Inferred fish bearing downstream of the falls. Non fish bearing upstream of the falls.                                                             |
| 245  | 480-195700-16200-56500 | 3     | 093M.065   | 1.53      | 3.5          | NS         | S3*          | No spawning, rearing or overwintering habitat. Inferred fish bearing as upstream lake may be fish bearing.                                                                                        |
| 246  | 480-195700-02400       | 8     | 093M.065   | NS        | NS           | NFC        | NS           | Fish sampling only.                                                                                                                                                                               |
| 247  | 480-160900             | 2     | 093M.065   | 9.20      | 6.0          | RB         | S2/S5        | A 20 m falls prevents upstream fish migration. Non fish bearing upstream of the falls. Moderate rearing habitat, low quality spawning habitat, and overwintering habitat downstream of the falls. |
| 248  | 480-195700-48200-36200 | 1     | 093M.084   | 9.83      | 1.8          | NS         | S2           | Moderate rearing habitat. Low quality spawning habitat. Overwintering habitat present.                                                                                                            |
| 249  | 480-195700-29500       | 2     | 093M.074   | 7.50      | 4.3          | NS         | S2           | Moderate rearing habitat. Low quality spawning habitat. Overwintering habitat present.                                                                                                            |
| 255  | 480-195700-82900       | 1     | 093M.094   | 5.75      | 4.0          | BT, CO, RB | S2           | Moderate spawning, rearing, and overwintering habitat.                                                                                                                                            |
| 287  | 480-160900-43800       | 1     | 093M.064   | NS        | NS           | NFC        | NS           | Fish sampling only.                                                                                                                                                                               |



**Table 7. Stream sampling summary for the study area.**

| Site | ILP/WSC                     | Reach | Map Number | Width (m) | Gradient (%) | Species    | Stream Class | Comments                                                                               |
|------|-----------------------------|-------|------------|-----------|--------------|------------|--------------|----------------------------------------------------------------------------------------|
| 288  | 480-195700-29500            | 6     | 093M.074   | NS        | NS           | NFC        | NS           | Fish sampling only.                                                                    |
| 289  | 480-195700-60300-24100-3100 | 1     | 093M.084   | NS        | NS           | DV         | NS           | Fish sampling only.                                                                    |
| 620  | 480-195700-80300            | 1     | 093M.094   | 9.02      | 3.5          | NFC        | S2           | Moderate rearing habitat, spawning habitat, and overwintering habitat.                 |
| 621  | 480-195700                  | 6     | 093M.094   | NS        | NS           | BT         | NS           | Fish sampling only.                                                                    |
| 622  | 480-195700                  | 6     | 093M.094   | NS        | NS           | NFC        | NS           | Fish sampling only.                                                                    |
| 623  | 480-195700                  | 6     | 093M.094   | NS        | NS           | NFC        | NS           | Fish sampling only.                                                                    |
| 624  | 480-195700                  | 6     | 093M.094   | NS        | NS           | NFC        | NS           | Fish sampling only.                                                                    |
| 625  | 480-195700-48200            | 1     | 093M.074   | 16.37     | 4.5          | NS         | S2           | Moderate rearing habitat. Low quality spawning habitat. Overwintering habitat present. |
| 626  | 480-195700                  | 4     | 093M.074   | NS        | NS           | BT         | NS           | Fish sampling only.                                                                    |
| 627  | 480-195700                  | 4     | 093M.074   | NS        | NS           | NFC        | NS           | Fish sampling only.                                                                    |
| 628  | 480-195700                  | 2     | 093M.065   | NS        | NS           | NFC        | NS           | Fish sampling only.                                                                    |
| 629  | 480-195700                  | 2     | 093M.065   | NS        | NS           | BT         | NS           | Fish sampling only.                                                                    |
| 630  | 480-195700                  | 1     | 093M.065   | NS        | NS           | BT         | NS           | Fish sampling only.                                                                    |
| 678  | 480-195700                  | 4     | 093M.074   | NS        | NS           | NFC        | NS           | Fish sampling only.                                                                    |
| 771  | 480-195700-69300            | 1     | 093M.084   | 19.67     | 2.8          | NS         | S2           | Moderate rearing habitat, spawning habitat, and overwintering habitat.                 |
| 772  | 480-195700                  | 5     | 093M.084   | NS        | NS           | NFC        | NS           | Fish sampling only.                                                                    |
| 773  | 480-195700-36100            | 1     | 093M.074   | 8.33      | 6.8          | NS         | S2           | Low quality spawning habitat and rearing habitat. Overwintering habitat present        |
| 774  | 480-195700                  | 2     | 093M.065   | NS        | NS           | BT, RB     | NS           | Fish sampling only.                                                                    |
| 775  | 480-195700                  | 1     | 093M.065   | NS        | NS           | CO         | NS           | Fish sampling only.                                                                    |
| 777  | 80-195700-482               | 2     | 093M.084   | NS        | NS           | NFC        | NS           | Fish sampling only.                                                                    |
| 778  | 80-195700-803               | 1     | 093M.094   | NS        | NS           | NFC        | NS           | Fish sampling only.                                                                    |
| 779  | 480-195700                  | 4     | 093M.074   | NS        | NS           | BT         | NS           | Fish sampling only.                                                                    |
| 780  | 480-195700                  | 4     | 093M.074   | NS        | NS           | NFC        | NS           | Fish sampling only.                                                                    |
| 781  | 480-195700                  | 2     | 093M.065   | NS        | NS           | BT, CO, RB | NS           | Fish sampling only.                                                                    |
| 782  | 480-195700                  | 1     | 093M.065   | NS        | NS           | BT, ST     | NS           | Fish sampling only.                                                                    |
| 881  | 480-195700                  | 4     | 093M.074   | NS        | NS           | NFC        | NS           | Fish sampling only.                                                                    |
| 882  | 480-195700                  | 2     | 093M.074   | NS        | NS           | NFC        | NS           | Fish sampling only.                                                                    |
| 883  | 480-195700                  | 2     | 093M.065   | NS        | NS           | BT, ST     | NS           | Fish sampling only.                                                                    |
| 884  | 480-195700                  | 1     | 093M.065   | NS        | NS           | CO         | NS           | Fish sampling only.                                                                    |
| 885  | 480-195700                  | 1     | 093M.065   | NS        | NS           | NFC        | NS           | Fish sampling only.                                                                    |
| 901  | 480-195700                  | 1     | 093M.065   | NS        | NS           | CO         | NS           | Fish sampling only.                                                                    |
| 902  | 480-195700                  | 1     | 093M.065   | NS        | NS           | NFC        | NS           | Fish sampling only.                                                                    |



**Table 7. Stream sampling summary for the study area.**

| Site | ILP/WSC    | Reach | Map Number | Width (m) | Gradient (%) | Species        | Stream Class | Comments            |
|------|------------|-------|------------|-----------|--------------|----------------|--------------|---------------------|
| 903  | 480-195700 | 1     | 093M.065   | NS        | NS           | NFC            | NS           | Fish sampling only. |
| 904  | 480-195700 | 2     | 093M.065   | NS        | NS           | NFC            | NS           | Fish sampling only. |
| 905  | 480-195700 | 2     | 093M.065   | NS        | NS           | BT             | NS           | Fish sampling only. |
| 906  | 480-195700 | 2     | 093M.074   | NS        | NS           | NFC            | NS           | Fish sampling only. |
| 907  | 480-195700 | 3     | 093M.074   | NS        | NS           | NFC            | NS           | Fish sampling only. |
| 909  | 480-195700 | 1     | 093M.065   | NS        | NS           | NFC            | NS           | Fish sampling only. |
| 910  | 480-195700 | 1     | 093M.065   | NS        | NS           | NFC            | NS           | Fish sampling only. |
| 911  | 480-195700 | 2     | 093M.065   | NS        | NS           | BT, CH, CO, RB | NS           | Fish sampling only. |
| 912  | 480-195700 | 4     | 093M.074   | NS        | NS           | NFC            | NS           | Fish sampling only. |
| 913  | 480-195700 | 5     | 093M.084   | NS        | NS           | NFC            | NS           | Fish sampling only. |
| 922  | 480-195700 | 6     | 093M.094   | NS        | NS           | BT             | NS           | Fish sampling only. |
| 923  | 480-195700 | 1     | 093M.065   | NS        | NS           | BT             | NS           | Fish sampling only. |
| 980  | 480-195700 | 6     | 093M.094   | NS        | NS           | CO             | NS           | Fish sampling only. |
| 981  | 480-195700 | 7     | 093M.094   | NS        | NS           | CO             | NS           | Fish sampling only. |
| 982  | 480-195700 | 4     | 093M.074   | NS        | NS           | NFC            | NS           | Fish sampling only. |
| 983  | 480-195700 | 2     | 093M.074   | NS        | NS           | NFC            | NS           | Fish sampling only. |
| 984  | 480-195700 | 2     | 093M.065   | NS        | NS           | CO             | NS           | Fish sampling only. |
| 985  | 480-195700 | 1     | 093M.065   | NS        | NS           | BT             | NS           | Fish sampling only. |

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## **APPENDIX I**

### **Reach Cards/Site Cards/Fish Collection Forms and Photographs (Site 1 to 38)**

# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Watershed Code: 480-069500-00000-00000-0000-000-000-000-000-000

Reach # ILP Map # ILP #

2.0

### STREAM REFERENCING

Gazetted Name: SHENISMIKE CREEK

Local Name:

Watershed Code: 480-069500-00000-00000-0000-000-000-000-000-000

ILP Map #:

ILP #:

### REACH

Reach #: 2.0

UTM(Zone/East/North): 9.599986.6172524

Sample Type: Random

Length (km): 2.80

Coupling: Coupled

Magnitude: 94

BGC Zone: SBS

Gradient (%): 9.1

Confinement: Entrenched

Order: 4

Open water: Absent

US Elev (m): 820

Islands: NONE

Riparian Vegetation: Coniferous

Bars: None ☒ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: None/natural

### SITE

Site #: 1

Field UTM 9.598209.6170750

Agency: C172

Crew: EL/JD

Date: 2001/08/05

Site Length (m): 350

GIS UTM 9.598276.6170806

Agency Name: Triton Environmental Consultants (Terrace)

### CHANNEL

|                                                |                                        |                     |       |     |     |     |                 |      |       |     |   |
|------------------------------------------------|----------------------------------------|---------------------|-------|-----|-----|-----|-----------------|------|-------|-----|---|
| No Vis.Ch.: <input type="checkbox"/>           | Intermittent: <input type="checkbox"/> | Avg                 | Min   | Max | #   | Avg | Min             | Max  | #     |     |   |
| Dewatered: <input type="checkbox"/>            | Tribs.: <input type="checkbox"/>       | Channel Width (m):  | 26.83 | 20  | 32  | 6   | Gradient %:     | 6.50 | 7     | 8   | 4 |
| Stage: Low <input checked="" type="checkbox"/> |                                        | Wetted Width (m):   | 16.83 | 15  | 20  | 6   | Pool Depth (m): | 0.57 | 0.460 | 0.7 | 6 |
| Med <input type="checkbox"/>                   |                                        | Bankfull Depth (m): | 1.20  | 1.1 | 1.3 | 3   |                 |      |       |     |   |
| High <input type="checkbox"/>                  |                                        |                     |       |     |     |     |                 |      |       |     |   |
| Temp (C): 6                                    | pH: 8.0                                | Conductivity: 50    |       |     |     |     |                 |      |       |     |   |
|                                                |                                        |                     |       |     |     |     |                 |      |       |     |   |

### MORPHOLOGY

Bed Material: Dominant: Cobble D95 (cm): 65.00 Bars: Non ☒ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐  
 Subdominant: Boulders D (cm): 40.00 Braid ☐  
 Channel Pattern: Irregular, Wandering Islands: None  
 Coupling: Coupled  
 Confinement: Confined  
 Morphology: CP Cascade Pool

|                        |    |    |    |     |    |    |    |    |
|------------------------|----|----|----|-----|----|----|----|----|
| DISTURBANCE INDICATORS |    | O1 | B1 | B2  | B3 | D1 | D2 | D3 |
| C1                     | C2 | C3 | C4 | C5  | S1 | S2 | S3 | S4 |
| C6                     | C7 | C8 | C9 | C10 | S5 | S6 | S7 | S8 |

### COVER

Total Cover: Abundant  
 LWD: Abundant  
 LWD Dist: Clumped

|                  |                                     |                                     |                                     |                          |                                     |                                     |                          |
|------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Type:            | SWD                                 | LWD                                 | B                                   | U                        | DP                                  | OV                                  | IV                       |
| Amount:          | T                                   | S                                   | D                                   | N                        | S                                   | T                                   | N                        |
| Location: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Right Bank: Shape: V - shape Texture: Fines ☐ Gravel ☒ Cobble ☒ Boulder ☐ Rock ☐ Manmade ☐  
 Left Bank: Shape: V - shape Texture: Fines ☐ Gravel ☒ Cobble ☒ Boulder ☐ Rock ☐ Manmade ☐  
 Right Bank: Rip.Veg: Mixed C/D Stage: Mature forest  
 Left Bank: Rip.Veg: Stage: Mature forest

Instream Veg: None ☒ Algae ☐ Moss ☐ Vascular ☐

### FEATURES

| NID Map                            | NID   | Type | Hgt  | Method | Lg | Method | Photo         | AirPhoto | UTM (Z/E/N)   |
|------------------------------------|-------|------|------|--------|----|--------|---------------|----------|---------------|
| 093M.063                           | 88001 | F    | 10.0 | GE     |    | MAP    | R: 21 F: 6 L: | #:       | 9.599371.6172 |
| Comments: 10 m falls are a barrier |       |      |      |        |    |        |               |          |               |

### FISH

| Site Number | Capture Method | Number of Events | Length fished (m) | Total Time | Voltage | Species | Total Fish | Minimum Length (mm) | Maximum Length (mm) |
|-------------|----------------|------------------|-------------------|------------|---------|---------|------------|---------------------|---------------------|
| 1           | EF             | 1                | 350               | 478 sec    | 600     | DV      | 6          | 69                  | 128                 |
| 1           | EF             | 1                | 350               | 478 sec    | 600     | BT      | 1          | 86                  | 86                  |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-069500-00000-00000-0000-000-000-000-000-000-000

Reach #    ILP Map #    ILP #    Site  
2.0             1

### PROJECT

Project Name: Shelagyote Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000  
Project Code: 1550

### WATERSHED

Gazetted Name: SHENISMIKE CREEK  
Local Name: Shenismike Creek  
Watershed Code: 480-069500-00000-00000-0000-000-000-000-000-000-000  
ILP Map #:    ILP #:    NID Map #: 093M.063    NID #: 22001    Reach #: 2.0    Site #: 1  
Field UTM (Z.E.N): 9.598209.6170750    Method: GPU    Site Lg: 350    Method: HC    Access: H  
GIS UTM (Z.E.N): 9.598276.6170806    Ref. Name:  
Date: 2001/08/05    Time: 09:00    Agency: C172    Crew: EL/JD    Fish Crd?: ☒    Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg   |            | Gadient % |     | Mtd | Avg  |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|-----------|-----|-----|------|
| Channel Width (m): | GE  | 25.00 | 30.00 | 20.00 | 28.00 | 32.00 | 26.00 |       |       |       |       | 26.83 | Method I:  | 6.0       | 7.0 | C   | 6.50 |
| Wetted Width (m):  | GE  | 15.00 | 20.00 | 20.00 | 15.00 | 16.00 | 15.00 |       |       |       |       | 16.83 | Method II: | 5.0       | 8.0 | C   |      |
| Pool Depth (m):    | MS  | 0.60  | 0.70  | 0.65  | 0.52  | 0.46  | 0.51  |       |       |       |       | 0.57  |            |           |     |     |      |

Wb Depth: 1.2    1.1    1.3    Avg: 1.20    Method: GE    Stage: L ☒ M ☐ H ☐

No Vis.Ch.: ☐    Intermittent: ☐  
Dw: ☐    Tribs.: ☐

COVER    Total: A

| Type:       | SWD                                 | LWD                                 | B                                   | U                        | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | S                                   | D                                   | N                        | S                                   | T                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

CROWN CLOSURE

1    1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

LWD: A    DIST: C

LB SHP: V

Texture: F ☐ G ☒ C ☒ B ☐ R ☐ A ☐

RIP: M

STG: MF

RB SHP: V

Texture: F ☐ G ☒ C ☒ B ☐ R ☐ A ☐

RIP: M

STG: MF

### WATER

EMS:  
Temp: 6    Method: T4    Req #:    Cond.: 50    Method: S3  
pH: 8.0    Method: P2    Turb.: T ☐ M ☐ L ☐ C ☒    Method: GE  
Flood Signs: Rafted debris    Method: GE

### MORPHOLOGY

Bed Material:    Dominant: C    Subdom: B  
D95: 65.0    D (cm): 40.00    Morph: CP  
Pattern: IR  
Islands: N  
Coupling: CO  
Confinement: CO  
FSZ: ☐

DISTURBANCE INDICATORS

| O1                       | B1                       | B2                       | B3                       | D1                       | D2                       | D3                       |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| C1                       | C2                       | C3                       | C4                       | C5                       | S1                       | S2                       | S3                       | S4                       | S5                       |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Bars: N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### FEATURES

| NID Map  | NID   | Type | Hgt  | Method | Lg | Method | Photo                     | AirPhoto | UTM (Z/E/N)      | Method |
|----------|-------|------|------|--------|----|--------|---------------------------|----------|------------------|--------|
| 093M.063 | 88001 | F    | 10.0 | GE     |    | MAP    | R: 21    F: 6    L:    #: |          | 9.599371.6172013 | GIS    |

Comments: 10 m falls are a barrier

### HABITAT QUALITY

| Name               | Comments                                                                        |
|--------------------|---------------------------------------------------------------------------------|
| OverWinter Habitat | Moderate- fast moving water with deep cascade pools                             |
| Cover              | Good-lots of boulder cover and cascade pools                                    |
| Rearing Habitat    | Moderate-cascade pool complex with good flow and good boulder and LWD complexes |



# FDIS Fish Card

## Shelagyote River Planning Area

Watershed Code: 480-069500-00000-00000-0000-0000-000-000-000-000-000

Reach # 2.0  
ILP Map #  
ILP #

### WATERBODY

Gazetted Name: SHENISMIKE CREEK

Local: Shenismike Creek

Project Code: 480-000000-00000-00000-0000-000-000-000-000-000-0

WS Code: 480-069500-00000-00000-0000-000-000-000-000-000-000

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 2 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/08/05

To: 2001/08/05

Agency: C172

Crew: EL/JD

Resample: ☐

### SITE / METHOD

| Site# | NID Map  | NID # | UTM:Zone/East/North/Mthd | MTD/NO | Temp | Cond | Turbid | Comment |
|-------|----------|-------|--------------------------|--------|------|------|--------|---------|
| 1     | 093M.063 | 22001 | 9 598209 6170750 GPU     | EF 1   | 6    | 50   | C      |         |

### A. GEAR SETTINGS

| Site# | MTD/NO | H/P | Date In    | Time In | Date Out   | Time Out | Comment |
|-------|--------|-----|------------|---------|------------|----------|---------|
| 1     | EF     | 1   | 2001/08/05 | 09:00   | 2001/08/05 | 10:01    |         |

### C. ELECTROFISHER SPECIFICATIONS

| Site# | MTD/NO | H/P | Encl | Sec | Length | Width | Voltage | Frequency | Pulse | Make | Model      |
|-------|--------|-----|------|-----|--------|-------|---------|-----------|-------|------|------------|
| 1     | EF     | 1   | 1    | O   | 478    | 350.0 | 1.0     | 600       | 60    | 6    | SMITH ROOT |
|       |        |     |      |     |        |       |         |           |       |      | 12B        |

### FISH SUMMARY

| Site# | MTD/NO | H/P | Species | Stage | Age | Total # | Lgth (Min/Max) | FishAct | Comment |
|-------|--------|-----|---------|-------|-----|---------|----------------|---------|---------|
| 1     | EF     | 1   | 1       | BT    | J   | 1       | 86 86          | R       |         |
| 1     | EF     | 1   | 1       | DV    | J   | 6       | 69 128         | R       |         |

### INDIVIDUAL FISH DATA

| Site# | MTD/NO | H/P | Species | Length | Weight | Sex | Mat | Age            | Vch# | Genetic   | Roll # | Frame# | Comment |
|-------|--------|-----|---------|--------|--------|-----|-----|----------------|------|-----------|--------|--------|---------|
|       |        |     |         |        |        |     |     | Str/Smpl#//Age |      | Str/Smpl# |        |        |         |
| 1     | EF     | 1   | 1       | DV     | 69     |     | U   | U              |      |           |        |        |         |
| 1     | EF     | 1   | 1       | DV     | 86     |     | U   | U              |      |           |        |        |         |
| 1     | EF     | 1   | 1       | DV     | 128    |     | U   | U              |      |           |        |        |         |
| 1     | EF     | 1   | 1       | DV     | 112    |     | U   | U              |      |           |        |        |         |
| 1     | EF     | 1   | 1       | DV     | 120    |     | U   | U              |      |           |        |        |         |
| 1     | EF     | 1   | 1       | DV     | 110    |     | U   | U              |      |           |        |        |         |
| 1     | EF     | 1   | 1       | BT     | 86     |     | U   | U              |      |           |        |        |         |





Site #1, Upstream photo of cascade pools with functioning LWD.  
Roll #1, Frame #1, Date: 2001/08/05



Site #1, Downstream photo of high energy stream with gravel bar.  
Roll #1, Frame #2, Date: 2001/08/05





Site #1, Photo of 10 m falls .  
Roll #21, Frame #6, Date: 2001/08/05

## Shelagyote River Planning Area

| Reach # | ILP Map # | ILP # |
|---------|-----------|-------|
|---------|-----------|-------|

| <b>STREAM REFERENCING</b>                                                                                                                                                                                                                     |                       |                                               |                          |                                                                |                |                                     |                   |                                                    |                            |                                      |  |                                           |  |                                     |  |                                                                                                                                                              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------|--------------------------|----------------------------------------------------------------|----------------|-------------------------------------|-------------------|----------------------------------------------------|----------------------------|--------------------------------------|--|-------------------------------------------|--|-------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Gazetted Name:</b>                                                                                                                                                                                                                         |                       |                                               |                          | <b>Local Name:</b>                                             |                |                                     |                   |                                                    |                            |                                      |  |                                           |  |                                     |  |                                                                                                                                                              |  |
| <b>Watershed Code:</b> 480-069500-52800-00000-0000-0000-000-000-000-000-000                                                                                                                                                                   |                       |                                               |                          |                                                                |                | <b>ILP Map #:</b>                   |                   | <b>ILP #:</b>                                      |                            |                                      |  |                                           |  |                                     |  |                                                                                                                                                              |  |
| <b>REACH</b>                                                                                                                                                                                                                                  |                       |                                               |                          |                                                                |                |                                     |                   |                                                    |                            |                                      |  |                                           |  |                                     |  |                                                                                                                                                              |  |
| <b>Reach #:</b> 5.0                                                                                                                                                                                                                           |                       | <b>UTM(Zone/East/North):</b> 9.605447.6171528 |                          |                                                                |                | <b>Sample Type:</b> Random          |                   |                                                    |                            |                                      |  |                                           |  |                                     |  |                                                                                                                                                              |  |
| <b>Length (km):</b> .40                                                                                                                                                                                                                       |                       | <b>Coupling:</b> Decoupled                    |                          | <b>Magnitude:</b> 19                                           |                | <b>BGC Zone:</b> ESSF               |                   |                                                    |                            |                                      |  |                                           |  |                                     |  |                                                                                                                                                              |  |
| <b>Gradient (%):</b> 2.8                                                                                                                                                                                                                      |                       | <b>Confinement:</b> Unconfined                |                          | <b>Order:</b> 3                                                |                | <b>Open water:</b> Absent           |                   |                                                    |                            |                                      |  |                                           |  |                                     |  |                                                                                                                                                              |  |
| <b>US Elev (m):</b> 1240                                                                                                                                                                                                                      |                       | <b>Islands:</b> NONE                          |                          | <b>Riparian Vegetation:</b> Coniferous                         |                |                                     |                   |                                                    |                            |                                      |  |                                           |  |                                     |  |                                                                                                                                                              |  |
| <b>Bars:</b> None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                       |                                               |                          |                                                                |                |                                     |                   |                                                    |                            |                                      |  |                                           |  |                                     |  |                                                                                                                                                              |  |
| <b>SITE</b>                                                                                                                                                                                                                                   |                       |                                               |                          |                                                                |                |                                     |                   |                                                    |                            |                                      |  |                                           |  |                                     |  |                                                                                                                                                              |  |
| <b>Site #:</b> 2                                                                                                                                                                                                                              |                       | <b>Field UTM ..</b>                           |                          | <b>Agency:</b> C172                                            |                | <b>Crew:</b> JD/EL                  |                   | <b>Date:</b> 2001/08/05                            |                            |                                      |  |                                           |  |                                     |  |                                                                                                                                                              |  |
| <b>Site Length (m):</b> 300                                                                                                                                                                                                                   |                       | <b>GIS UTM</b> 9.605412.6171581               |                          | <b>Agency Name:</b> Triton Environmental Consultants (Terrace) |                |                                     |                   |                                                    |                            |                                      |  |                                           |  |                                     |  |                                                                                                                                                              |  |
| <b>CHANNEL</b>                                                                                                                                                                                                                                |                       |                                               |                          |                                                                |                |                                     |                   |                                                    |                            |                                      |  |                                           |  |                                     |  |                                                                                                                                                              |  |
| <b>No Vis.Ch.:</b> <input type="checkbox"/>                                                                                                                                                                                                   |                       | <b>Intermittent:</b> <input type="checkbox"/> |                          |                                                                |                |                                     |                   | <b>Avg</b>                                         |                            | <b>Min</b>                           |  | <b>Max</b>                                |  | <b>#</b>                            |  |                                                                                                                                                              |  |
| <b>Dewatered:</b> <input type="checkbox"/>                                                                                                                                                                                                    |                       | <b>Tribs.:</b> <input type="checkbox"/>       |                          |                                                                |                |                                     |                   |                                                    |                            |                                      |  |                                           |  |                                     |  |                                                                                                                                                              |  |
| <b>Stage:</b> Low <input type="checkbox"/>                                                                                                                                                                                                    |                       |                                               |                          | <b>Channel Width (m):</b>                                      |                |                                     |                   | 1.67                                               |                            | 1.5                                  |  | 1.8                                       |  | 6                                   |  |                                                                                                                                                              |  |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                       |                       |                                               |                          | <b>Wetted Width (m):</b>                                       |                |                                     |                   | 1.47                                               |                            | 1.3                                  |  | 1.700                                     |  | 6                                   |  |                                                                                                                                                              |  |
| High <input type="checkbox"/>                                                                                                                                                                                                                 |                       |                                               |                          | <b>Bankfull Depth (m):</b>                                     |                |                                     |                   | 0.53                                               |                            | 0.5                                  |  | 0.6                                       |  | 3                                   |  |                                                                                                                                                              |  |
|                                                                                                                                                                                                                                               |                       | <b>Temp (C):</b> 7                            |                          | <b>pH:</b> 7.6                                                 |                | <b>Conductivity:</b> 40             |                   |                                                    |                            |                                      |  |                                           |  |                                     |  |                                                                                                                                                              |  |
|                                                                                                                                                                                                                                               |                       |                                               |                          |                                                                |                |                                     |                   | <b>Turbidity.:</b> Turbid <input type="checkbox"/> |                            | Low <input type="checkbox"/>         |  |                                           |  |                                     |  |                                                                                                                                                              |  |
|                                                                                                                                                                                                                                               |                       |                                               |                          |                                                                |                |                                     |                   |                                                    |                            | Moderate <input type="checkbox"/>    |  | Clear <input checked="" type="checkbox"/> |  |                                     |  |                                                                                                                                                              |  |
| <b>MORPHOLOGY</b>                                                                                                                                                                                                                             |                       |                                               |                          |                                                                |                |                                     |                   |                                                    |                            |                                      |  |                                           |  |                                     |  |                                                                                                                                                              |  |
| <b>Bed Material:</b> Dominant: Cobble                                                                                                                                                                                                         |                       | <b>D95 (cm):</b> 30.00                        |                          | <b>Bars:</b> Non <input checked="" type="checkbox"/>           |                | Side <input type="checkbox"/>       |                   | Diagonal <input type="checkbox"/>                  |                            | Mid-channel <input type="checkbox"/> |  | Span <input type="checkbox"/>             |  |                                     |  |                                                                                                                                                              |  |
| Subdominant: Gravels                                                                                                                                                                                                                          |                       | <b>D (cm):</b> 5.00                           |                          |                                                                |                |                                     |                   |                                                    |                            |                                      |  |                                           |  | Braid <input type="checkbox"/>      |  |                                                                                                                                                              |  |
| <b>Channel Pattern:</b> Sinuous                                                                                                                                                                                                               |                       | <b>Islands:</b> None                          |                          | <b>DISTURBANCE INDICATORS</b>                                  |                | O1                                  |                   | B1                                                 |                            | B2                                   |  | B3                                        |  | D3                                  |  |                                                                                                                                                              |  |
| <b>Coupling:</b> Decoupled                                                                                                                                                                                                                    |                       |                                               |                          |                                                                |                | <input type="checkbox"/>            |                   | <input type="checkbox"/>                           |                            | <input type="checkbox"/>             |  | <input type="checkbox"/>                  |  | <input type="checkbox"/>            |  |                                                                                                                                                              |  |
| <b>Confinement:</b> Unconfined                                                                                                                                                                                                                |                       |                                               |                          |                                                                |                | C1                                  |                   | C2                                                 |                            | C3                                   |  | C4                                        |  | C5                                  |  |                                                                                                                                                              |  |
| <b>Morphology:</b> RP Riffle Pool                                                                                                                                                                                                             |                       |                                               |                          |                                                                |                | <input type="checkbox"/>            |                   | <input type="checkbox"/>                           |                            | <input type="checkbox"/>             |  | <input type="checkbox"/>                  |  | <input type="checkbox"/>            |  |                                                                                                                                                              |  |
|                                                                                                                                                                                                                                               |                       |                                               |                          |                                                                |                | S1                                  |                   | S2                                                 |                            | S3                                   |  | S4                                        |  | S5                                  |  |                                                                                                                                                              |  |
|                                                                                                                                                                                                                                               |                       |                                               |                          |                                                                |                | <input type="checkbox"/>            |                   | <input type="checkbox"/>                           |                            | <input type="checkbox"/>             |  | <input type="checkbox"/>                  |  | <input type="checkbox"/>            |  |                                                                                                                                                              |  |
| <b>COVER</b>                                                                                                                                                                                                                                  |                       |                                               |                          |                                                                |                |                                     |                   |                                                    |                            |                                      |  |                                           |  |                                     |  |                                                                                                                                                              |  |
| <b>Total Cover:</b> Abundant                                                                                                                                                                                                                  |                       | <b>Type:</b>                                  |                          | SWD                                                            |                | LWD                                 |                   | B                                                  |                            | U                                    |  | DP                                        |  | OV                                  |  | IV                                                                                                                                                           |  |
| <b>LWD:</b> Few                                                                                                                                                                                                                               |                       | <b>Amount:</b>                                |                          | T                                                              |                | T                                   |                   | N                                                  |                            | S                                    |  | T                                         |  | D                                   |  | T                                                                                                                                                            |  |
| <b>LWD Dist:</b> Evenly Distributed                                                                                                                                                                                                           |                       | <b>Location:</b> P/S/O:                       |                          | <input checked="" type="checkbox"/>                            |                | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>                           |                            | <input checked="" type="checkbox"/>  |  | <input checked="" type="checkbox"/>       |  | <input checked="" type="checkbox"/> |  | <input checked="" type="checkbox"/>                                                                                                                          |  |
| <b>Right Bank:</b>                                                                                                                                                                                                                            |                       | <b>Shape:</b> Overhang                        |                          | <b>Texture:</b> Fines <input checked="" type="checkbox"/>      |                | Gravel <input type="checkbox"/>     |                   | Cobble <input type="checkbox"/>                    |                            | Boulder <input type="checkbox"/>     |  | Rock <input type="checkbox"/>             |  | Manmade <input type="checkbox"/>    |  | <b>Crown Closure</b>                                                                                                                                         |  |
| <b>Left Bank:</b>                                                                                                                                                                                                                             |                       | <b>Shape:</b> Overhang                        |                          | <b>Texture:</b> Fines <input checked="" type="checkbox"/>      |                | Gravel <input type="checkbox"/>     |                   | Cobble <input type="checkbox"/>                    |                            | Boulder <input type="checkbox"/>     |  | Rock <input type="checkbox"/>             |  | Manmade <input type="checkbox"/>    |  | 1-20%                                                                                                                                                        |  |
| <b>Right Bank:</b>                                                                                                                                                                                                                            |                       | <b>Rip.Veg:</b> Shrubs                        |                          | <b>Stage:</b> Shrub/herb stage                                 |                |                                     |                   |                                                    |                            |                                      |  |                                           |  |                                     |  |                                                                                                                                                              |  |
| <b>Left Bank:</b>                                                                                                                                                                                                                             |                       | <b>Rip.Veg:</b>                               |                          | <b>Stage:</b> Shrub/herb stage                                 |                |                                     |                   |                                                    |                            |                                      |  |                                           |  |                                     |  | <b>Instream Veg:</b> None <input type="checkbox"/> Algae <input type="checkbox"/> Moss <input type="checkbox"/> Vascular <input checked="" type="checkbox"/> |  |
| <b>FISH</b>                                                                                                                                                                                                                                   |                       |                                               |                          |                                                                |                |                                     |                   |                                                    |                            |                                      |  |                                           |  |                                     |  |                                                                                                                                                              |  |
| <b>Site Number</b>                                                                                                                                                                                                                            | <b>Capture Method</b> | <b>Number of Events</b>                       | <b>Length fished (m)</b> | <b>Total Time</b>                                              | <b>Voltage</b> | <b>Species</b>                      | <b>Total Fish</b> | <b>Minimum Length (mm)</b>                         | <b>Maximum Length (mm)</b> |                                      |  |                                           |  |                                     |  |                                                                                                                                                              |  |
| 2                                                                                                                                                                                                                                             | EF                    | 1                                             | 300                      | 376 sec                                                        | 800            | NFC                                 | 0                 |                                                    |                            |                                      |  |                                           |  |                                     |  |                                                                                                                                                              |  |



# FDIS Site Card

## Shelagyte River Planning Area

Watershed Code: 480-069500-52800-00000-00000-0000-000-000-000-000-000

Reach # 5.0 ILP Map # ILP # Site 2

### PROJECT

Project Name: Shelagyte Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000  
Project Code: 1550

### WATERSHED

Gazetted Name: Local Name: None  
Watershed Code: 480-069500-52800-00000-00000-0000-000-000-000-000-000  
ILP Map#: ILP #: NID Map #: 093M.064 NID #: 22002 Reach #: 5.0 Site #: 2  
Field UTM (Z.E.N): .. Method: Site Lg: 300 Method: HC Access: H  
GIS UTM (Z.E.N): 9.605412.6171581 Ref. Name:  
Date: 2001/08/05 Time: 10:20 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |            | Gadient % | Mtd | Avg  |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------------|-----------|-----|------|
| Channel Width (m): | MS  | 1.60  | 1.80  | 1.50  | 1.70  | 1.80  | 1.60  |       |       |       |       | 1.67 | Method I:  | 1.0       | 2.0 | 1.63 |
| Wetted Width (m):  | MS  | 1.50  | 1.70  | 1.40  | 1.40  | 1.30  | 1.50  |       |       |       |       | 1.47 | Method II: | 1.5       | 2.0 | C    |
| Pool Depth (m):    | MS  | 0.31  | 0.36  | 0.29  | 0.41  | 0.30  | 0.26  |       |       |       |       | 0.32 |            |           |     |      |

Wb Depth: .5 .6 .5 Avg: 0.53 Method: MS Stage: L ☐ M ☒ H ☐  
No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                        | U                                   | DP                                  | OV                                  | IV                                  |
|-------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Amount:     | T                                   | T                                   | N                        | S                                   | T                                   | D                                   | T                                   |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☐ A ☐ M ☐ V ☒

LWD: F DIST: E

LB SHP: O

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: S

STG: SHR

RB SHP: O

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: S

STG: SHR

### WATER

EMS: Temp: 7 Method: T4 Req #: Cond.: 40 Method: S3  
pH: 7.6 Method: P2 Turb.: T ☐ M ☐ L ☐ C ☒ Method: GE  
Flood Signs: None Method: GE

### MORPHOLOGY

Bed Material: Dominant: C Subdom: G O1 B1 B2 B3 D1 D2 D3  
D95: 30.0 D (cm): 5.00 Morph: RP DISTURBANCE INDICATORS  
Pattern: SI C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: N  
Coupling: DC  
Confinement: UN  
FSZ: ☐ Bars: N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                            |
|--------------------|-----------------------------------------------------|
| OverWinter Habitat | Overwintering habitat present in upstream lake      |
| Spawning Habitat   | Poor-substrates are too large for resident trout    |
| Rearing Habitat    | Moderate-abundant cover, deep pools, moderate flows |

### PHOTOS

| Photo     | Foc Lg | Dir | Comments                                |
|-----------|--------|-----|-----------------------------------------|
| R: 1 F: 3 | STD    | D   | Downstream photo of pool habitat        |
| R: 1 F: 4 | STD    | U   | Upstream photo of overstream vegetation |



**FDIS Site Card**

**Shelagyote River Planning Area**

Watershed Code: 480-069500-52800-00000-0000-0000-000-000-000-000-000

|         |           |       |      |
|---------|-----------|-------|------|
| Reach # | ILP Map # | ILP # | Site |
| 5.0     |           |       | 2    |

| COMMENTS |           |
|----------|-----------|
| Section  | Comments  |
| CHANNEL  | S6 Stream |

# FDIS Fish Card

## Shelagyote River Planning Area

Watershed Code: 480-069500-52800-00000-00000-00000-000-000-000-000-000

Reach # 5.0  
ILP Map #  
ILP #

| WATERBODY                                                   |          |       |                          |                  |          |                |                |                 |         |             |         |                                    |  |
|-------------------------------------------------------------|----------|-------|--------------------------|------------------|----------|----------------|----------------|-----------------|---------|-------------|---------|------------------------------------|--|
| Gazetted Name:                                              |          |       |                          |                  |          |                |                |                 |         | Local: None |         |                                    |  |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-0 |          |       |                          |                  |          |                |                |                 |         |             |         |                                    |  |
| WS Code: 480-069500-52800-00000-0000-000-000-000-000-000    |          |       |                          |                  |          |                |                |                 |         |             |         |                                    |  |
| Waterbody ID:                                               |          |       |                          |                  |          | ILP Map #:     |                | ILP #:          |         | Reach #:    |         | 5 -                                |  |
| Project ID: 1550                                            |          |       |                          |                  |          | Lake/Stream: S |                | Lake From Date: |         |             |         |                                    |  |
| Fish Permit #: 145084K                                      |          |       |                          | Date: 2001/08/05 |          | To: 2001/08/05 |                | Agency: C172    |         | Crew: JD/EL |         | Resample: <input type="checkbox"/> |  |
| SITE / METHOD                                               |          |       |                          |                  |          |                |                |                 |         |             |         |                                    |  |
| Site#                                                       | NID Map  | NID # | UTM:Zone/East/North/Mthd |                  |          | MTD/NO         |                | Temp            | Cond    | Turbid      | Comment |                                    |  |
| 2                                                           | 093M.064 | 22002 |                          |                  |          | GPU            | EF             | 1               | 7       | 40          | C       |                                    |  |
| A. GEAR SETTINGS                                            |          |       |                          |                  |          |                |                |                 |         |             |         |                                    |  |
| Site#                                                       | MTD/NO   | H/P   | Date In                  | Time In          | Date Out | Time Out       | Comment        |                 |         |             |         |                                    |  |
| 2                                                           | EF       | 1     | 1                        | 2001/08/05       | 10:20    | 2001/08/05     | 11:00          |                 |         |             |         |                                    |  |
| C. ELECTROFISHER SPECIFICATIONS                             |          |       |                          |                  |          |                |                |                 |         |             |         |                                    |  |
| Site#                                                       | MTD/NO   | H/P   | Encl                     | Sec              | Length   | Width          | Voltage        | Frequency       | Pulse   | Make        | Model   |                                    |  |
| 2                                                           | EF       | 1     | 1                        | O                | 376      | 300.0          | 1.4            | 800             | 60      | 6           | SMITH   | 12B                                |  |
|                                                             |          |       |                          |                  |          |                |                |                 |         | ROOT        |         |                                    |  |
| FISH SUMMARY                                                |          |       |                          |                  |          |                |                |                 |         |             |         |                                    |  |
| Site#                                                       | MTD/NO   | H/P   | Species                  | Stage            | Age      | Total #        | Lgth (Min/Max) | FishAct         | Comment |             |         |                                    |  |
| 2                                                           | EF       | 1     | 1                        | NFC              |          | 0              |                |                 |         |             |         |                                    |  |





Site #2, Downstream photo of pool habitat.  
Roll #1, Frame #3, Date: 2001/08/05



Site #2, Upstream photo of overstream vegetation.  
Roll #1, Frame #4, Date: 2001/08/05



# FDIS Reach/Site Summary

## Shelagyte River Planning Area

Watershed Code: 480-069500-00000-00000-0000-000-000-000-000-000

Reach # ILP Map # ILP #

6.0

| STREAM REFERENCING                                                                                                                                                                                                                     |                |                                         |                   |                                                         |             |                                            |            |                                             |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------|-------------------|---------------------------------------------------------|-------------|--------------------------------------------|------------|---------------------------------------------|---------------------|
| Gazetted Name: SHENISMIKE CREEK                                                                                                                                                                                                        |                |                                         |                   |                                                         | Local Name: |                                            |            |                                             |                     |
| Watershed Code: 480-069500-00000-00000-0000-000-000-000-000-000                                                                                                                                                                        |                |                                         |                   |                                                         | ILP Map #:  |                                            | ILP #:     |                                             |                     |
| REACH                                                                                                                                                                                                                                  |                |                                         |                   |                                                         |             |                                            |            |                                             |                     |
| Reach #: 6.0                                                                                                                                                                                                                           |                | UTM (Zone/East/North): 9.601454.6177194 |                   |                                                         |             | Sample Type: Biased                        |            |                                             |                     |
| Length (km): 1.21                                                                                                                                                                                                                      |                | Coupling: Coupled                       |                   | Magnitude: 17                                           |             | BGC Zone: ESSF                             |            |                                             |                     |
| Gradient (%): 9.9                                                                                                                                                                                                                      |                | Confinement: Confined                   |                   | Order: 3                                                |             | Open water: Absent                         |            |                                             |                     |
| US Elev (m): 1378                                                                                                                                                                                                                      |                | Islands: NONE                           |                   | Riparian Vegetation: Coniferous                         |             |                                            |            |                                             |                     |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                |                                         |                   |                                                         |             |                                            |            |                                             |                     |
| SITE                                                                                                                                                                                                                                   |                |                                         |                   |                                                         |             |                                            |            |                                             |                     |
| Site #: 3                                                                                                                                                                                                                              |                | Field UTM ..                            |                   | Agency: C172                                            |             | Crew: JD/EL                                |            | Date: 2001/08/05                            |                     |
| Site Length (m): 300                                                                                                                                                                                                                   |                | GIS UTM 9.601938.6176589                |                   | Agency Name: Triton Environmental Consultants (Terrace) |             |                                            |            |                                             |                     |
| CHANNEL                                                                                                                                                                                                                                |                |                                         |                   |                                                         |             |                                            |            |                                             |                     |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |                | Intermittent: <input type="checkbox"/>  |                   | Avg                                                     |             | Min                                        |            | Max                                         |                     |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |                | Tribes.: <input type="checkbox"/>       |                   | #                                                       |             | Avg                                        |            | Min                                         |                     |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |                | Channel Width (m):                      |                   | 6.58                                                    |             | 5.300                                      |            | 8.800                                       |                     |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |                | Wetted Width (m):                       |                   | 3.58                                                    |             | 2.900                                      |            | 4.1                                         |                     |
| High <input type="checkbox"/>                                                                                                                                                                                                          |                | Bankfull Depth (m):                     |                   | 0.77                                                    |             | 0.7                                        |            | 0.8                                         |                     |
| Temp (C): 6                                                                                                                                                                                                                            |                | pH: 7.9                                 |                   | Conductivity: 60                                        |             | Turbidity: Turbid <input type="checkbox"/> |            | Low <input type="checkbox"/>                |                     |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |             | Moderate <input type="checkbox"/>          |            | Clear <input checked="" type="checkbox"/>   |                     |
| MORPHOLOGY                                                                                                                                                                                                                             |                |                                         |                   |                                                         |             |                                            |            |                                             |                     |
| Bed Material: Dominant: Cobble                                                                                                                                                                                                         |                | D95 (cm): 65.00                         |                   | Bars: Non <input checked="" type="checkbox"/>           |             | Side <input type="checkbox"/>              |            | Diagonal <input type="checkbox"/>           |                     |
| Subdominant: Boulders                                                                                                                                                                                                                  |                | D (cm): 30.00                           |                   | Span <input type="checkbox"/>                           |             | Braid <input type="checkbox"/>             |            |                                             |                     |
| Channel Pattern: Sinuous                                                                                                                                                                                                               |                | Islands: None                           |                   | DISTURBANCE INDICATORS                                  |             | O1                                         |            | B1                                          |                     |
| Coupling: Coupled                                                                                                                                                                                                                      |                |                                         |                   |                                                         |             | B2                                         |            | B3                                          |                     |
| Confinement: Confined                                                                                                                                                                                                                  |                |                                         |                   |                                                         |             | D1                                         |            | D2                                          |                     |
| Morphology: CP Cascade Pool                                                                                                                                                                                                            |                |                                         |                   |                                                         |             | D3                                         |            |                                             |                     |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |             | C1                                         |            | C2                                          |                     |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |             | C3                                         |            | C4                                          |                     |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |             | C5                                         |            | S1                                          |                     |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |             | S2                                         |            | S3                                          |                     |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |             | S4                                         |            | S5                                          |                     |
| COVER                                                                                                                                                                                                                                  |                |                                         |                   |                                                         |             |                                            |            |                                             |                     |
| Total Cover: Abundant                                                                                                                                                                                                                  |                | Type: SWD                               |                   | LWD                                                     |             | B                                          |            | U                                           |                     |
| LWD: Few                                                                                                                                                                                                                               |                | Amount: T                               |                   | S                                                       |             | D                                          |            | N                                           |                     |
| LWD Dist: Evenly Distributed                                                                                                                                                                                                           |                | Location: P/S/O:                        |                   | <input checked="" type="checkbox"/>                     |             | <input checked="" type="checkbox"/>        |            | <input checked="" type="checkbox"/>         |                     |
|                                                                                                                                                                                                                                        |                |                                         |                   | <input checked="" type="checkbox"/>                     |             | <input checked="" type="checkbox"/>        |            | <input checked="" type="checkbox"/>         |                     |
| Right Bank: Shape: Sloping (g)                                                                                                                                                                                                         |                | Texture: Fines <input type="checkbox"/> |                   | Gravel <input type="checkbox"/>                         |             | Cobble <input checked="" type="checkbox"/> |            | Boulder <input checked="" type="checkbox"/> |                     |
| Left Bank: Shape: Sloping (g)                                                                                                                                                                                                          |                | Texture: Fines <input type="checkbox"/> |                   | Gravel <input type="checkbox"/>                         |             | Cobble <input checked="" type="checkbox"/> |            | Boulder <input checked="" type="checkbox"/> |                     |
| Right Bank: Rip.Veg: Coniferous                                                                                                                                                                                                        |                | Stage: Mature forest                    |                   | Rock <input type="checkbox"/>                           |             | Manmade <input type="checkbox"/>           |            | Crown Closure                               |                     |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |                | Stage: Mature forest                    |                   | Instream Veg: None <input type="checkbox"/>             |             | Algae <input type="checkbox"/>             |            | Moss <input checked="" type="checkbox"/>    |                     |
|                                                                                                                                                                                                                                        |                |                                         |                   | Vascular <input type="checkbox"/>                       |             |                                            |            |                                             |                     |
| FISH                                                                                                                                                                                                                                   |                |                                         |                   |                                                         |             |                                            |            |                                             |                     |
| Site Number                                                                                                                                                                                                                            | Capture Method | Number of Events                        | Length fished (m) | Total Time                                              | Voltage     | Species                                    | Total Fish | Minimum Length (mm)                         | Maximum Length (mm) |
| 3                                                                                                                                                                                                                                      | EF             | 1                                       | 300               | 362 sec                                                 | 800         | NFC                                        | 0          |                                             |                     |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-069500-00000-00000-0000-000-000-000-000-000-000

Reach # 6.0 ILP Map # ILP # Site 3

### PROJECT

Project Name: Shelagyote Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000  
Project Code: 1550

### WATERSHED

Gazetted Name: SHENISMIKE CREEK  
Local Name: None  
Watershed Code: 480-069500-00000-00000-0000-000-000-000-000-000-000  
ILP Map#: ILP #: NID Map #: 093M.074 NID #: 22003 Reach #: 6.0 Site #: 3  
Field UTM (Z.E.N): .. Method: Site Lg: 300 Method: HC Access: H  
GIS UTM (Z.E.N): 9.601938.6176589 Ref. Name:  
Date: 2001/08/05 Time: 11:20 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |            | Gadient % |     | Mtd | Avg  |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------------|-----------|-----|-----|------|
| Channel Width (m): | T   | 6.20  | 7.10  | 6.00  | 5.30  | 6.10  | 8.80  |       |       |       |       | 6.58 | Method I:  | 7.0       | 8.0 | C   | 8.00 |
| Wetted Width (m):  | T   | 3.90  | 3.00  | 4.00  | 2.90  | 3.60  | 4.10  |       |       |       |       | 3.58 | Method II: | 9.0       | 8.0 | C   |      |
| Pool Depth (m):    | MS  | 0.46  | 0.51  | 0.37  | 0.59  | 0.60  | 0.50  |       |       |       |       | 0.51 |            |           |     |     |      |

Wb Depth: .8 .8 .7 Avg: 0.77 Method: MS Stage: L ☐ M ☒ H ☐

No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                                   | U                        | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | S                                   | D                                   | N                        | S                                   | T                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☐ A ☐ M ☒ V ☐

LWD: F DIST: E

LB SHP: S

Texture: F ☐ G ☐ C ☒ B ☒ R ☐ A ☐

RIP: C

STG: MF

RB SHP: S

Texture: F ☐ G ☐ C ☒ B ☒ R ☐ A ☐

RIP: C

STG: MF

### WATER

EMS:  
Temp: 6  
pH: 7.9  
Flood Signs: None  
Method: T4  
Method: P2  
Method: GE  
Req #: Cond.: 60  
Turb.: T ☐ M ☐ L ☐ C ☒  
Method: S3  
Method: GE

### MORPHOLOGY

Bed Material: Dominant: C Subdom: B  
D95: 65.0 D (cm): 30.00 Morph: CP  
Pattern: SI  
Islands: N  
Coupling: CO  
Confinement: CO  
FSZ: ☐  
DISTURBANCE INDICATORS  
O1 B1 B2 B3 D1 D2 D3  
☐ ☐ ☐ ☐ ☐ ☐ ☐  
C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐  
Bars: N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                                 |
|--------------------|----------------------------------------------------------|
| OverWinter Habitat | Overwintering habitat present                            |
| Spawning Habitat   | Poor-large substrates, high gradient, high energy        |
| Rearing Habitat    | Moderate-abundant cover, deep pools, limited by gradient |

### PHOTOS

| Photo     | Foc Lg | Dir | Comments                               |
|-----------|--------|-----|----------------------------------------|
| R: 1 F: 5 | STD    | U   | Upstream photo of cascade/pool habitat |
| R: 1 F: 6 | STD    | D   | Downstream photo of cascades           |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-069500-00000-00000-0000-0000-000-000-000-000-000

|         |           |       |      |
|---------|-----------|-------|------|
| Reach # | ILP Map # | ILP # | Site |
| 6.0     |           |       | 3    |

| COMMENTS |                                                  |
|----------|--------------------------------------------------|
| Section  | Comments                                         |
| CHANNEL  | Falls downstream prevent upstream fish migration |
| CHANNEL  | S5 Stream                                        |

# FDIS Fish Card

## Shelagyote River Planning Area

Watershed Code: 480-069500-00000-00000-0000-0000-000-000-000-000-000-000

Reach # 6.0  
ILP Map #  
ILP #

| WATERBODY                                                   |          |         |                          |                  |            |                |                |                 |         |              |               |                                    |
|-------------------------------------------------------------|----------|---------|--------------------------|------------------|------------|----------------|----------------|-----------------|---------|--------------|---------------|------------------------------------|
| Gazetted Name: SHENISMIKE CREEK                             |          |         |                          |                  |            |                |                |                 |         | Local: None  |               |                                    |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-0 |          |         |                          |                  |            |                |                |                 |         |              |               |                                    |
| WS Code: 480-069500-00000-00000-0000-000-000-000-000-000    |          |         |                          |                  |            |                |                |                 |         |              |               |                                    |
| Waterbody ID:                                               |          |         |                          | ILP Map #:       |            |                |                | ILP #:          |         | Reach #: 6 - |               |                                    |
| Project ID: 1550                                            |          |         |                          | Lake/Stream: S   |            |                |                | Lake From Date: |         |              |               |                                    |
| Fish Permit #:                                              |          | 145084K |                          | Date: 2001/08/05 |            | To: 2001/08/05 |                | Agency: C172    |         | Crew: JD/EL  |               | Resample: <input type="checkbox"/> |
| SITE / METHOD                                               |          |         |                          |                  |            |                |                |                 |         |              |               |                                    |
| Site#                                                       | NID Map  | NID #   | UTM:Zone/East/North/Mthd |                  |            | MTD/NO         | Temp           | Cond            | Turbid  | Comment      |               |                                    |
| 3                                                           | 093M.074 | 22003   |                          |                  |            | GPU EF 1       | 6              | 60              | C       |              |               |                                    |
| A. GEAR SETTINGS                                            |          |         |                          |                  |            |                |                |                 |         |              |               |                                    |
| Site#                                                       | MTD/NO   | H/P     | Date In                  | Time In          | Date Out   | Time Out       | Comment        |                 |         |              |               |                                    |
| 3                                                           | EF       | 1       | 2001/08/05               | 11:20            | 2001/08/05 | 11:50          |                |                 |         |              |               |                                    |
| C. ELECTROFISHER SPECIFICATIONS                             |          |         |                          |                  |            |                |                |                 |         |              |               |                                    |
| Site#                                                       | MTD/NO   | H/P     | Encl                     | Sec              | Length     | Width          | Voltage        | Frequency       | Pulse   | Make         | Model         |                                    |
| 3                                                           | EF       | 1       | 1                        | O                | 362        | 300.0          | 3.5            | 800             | 60      | 6            | SMITH<br>ROOT | 12B                                |
| FISH SUMMARY                                                |          |         |                          |                  |            |                |                |                 |         |              |               |                                    |
| Site#                                                       | MTD/NO   | H/P     | Species                  | Stage            | Age        | Total #        | Lgth (Min/Max) | FishAct         | Comment |              |               |                                    |
| 3                                                           | EF       | 1       | 1                        | NFC              |            | 0              |                |                 |         |              |               |                                    |





Site #3, Upstream photo of cascade/pool habitat.  
Roll #1, Frame #5, Date: 2001/08/05



Site #3, Downstream photo of cascades.  
Roll #1, Frame #6, Date: 2001/08/05



# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Watershed Code: 480-093700-00000-00000-0000-000-000-000-000-000

Reach # ILP Map # ILP #

6.0

| STREAM REFERENCING                                                                                                                                                                                                                     |                |                                                    |                   |                                                         |             |                                      |            |                                                                             |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------|-------------------|---------------------------------------------------------|-------------|--------------------------------------|------------|-----------------------------------------------------------------------------|---------------------|
| Gazetted Name:                                                                                                                                                                                                                         |                |                                                    |                   |                                                         | Local Name: |                                      |            |                                                                             |                     |
| Watershed Code: 480-093700-00000-00000-0000-000-000-000-000-000                                                                                                                                                                        |                |                                                    |                   |                                                         | ILP Map #:  |                                      | ILP #:     |                                                                             |                     |
| REACH                                                                                                                                                                                                                                  |                |                                                    |                   |                                                         |             |                                      |            |                                                                             |                     |
| Reach #: 6.0                                                                                                                                                                                                                           |                | UTM (Zone/East/North): 9.604183.6170872            |                   |                                                         |             | Sample Type: Biased                  |            |                                                                             |                     |
| Length (km): 1.13                                                                                                                                                                                                                      |                | Coupling: Partially Couple                         |                   | Magnitude: 1                                            |             | BGC Zone: ESSF                       |            |                                                                             |                     |
| Gradient (%): 12.1                                                                                                                                                                                                                     |                | Confinement: Confined                              |                   | Order: 1                                                |             | Open water: Absent                   |            |                                                                             |                     |
| US Elev (m): 1252                                                                                                                                                                                                                      |                | Islands: NONE                                      |                   | Riparian Vegetation: Coniferous                         |             |                                      |            |                                                                             |                     |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                |                                                    |                   |                                                         |             |                                      |            |                                                                             |                     |
| SITE                                                                                                                                                                                                                                   |                |                                                    |                   |                                                         |             |                                      |            |                                                                             |                     |
| Site #: 4                                                                                                                                                                                                                              |                | Field UTM ..                                       |                   | Agency: C172                                            |             | Crew: JD/EL                          |            | Date: 2001/08/05                                                            |                     |
| Site Length (m): 200                                                                                                                                                                                                                   |                | GIS UTM 9.604089.6170835                           |                   | Agency Name: Triton Environmental Consultants (Terrace) |             |                                      |            |                                                                             |                     |
| CHANNEL                                                                                                                                                                                                                                |                |                                                    |                   |                                                         |             |                                      |            |                                                                             |                     |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |                | Intermittent: <input type="checkbox"/>             |                   | Avg                                                     |             | Min                                  |            | Max                                                                         |                     |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |                | Tribes.: <input type="checkbox"/>                  |                   | Channel Width (m): 1.37                                 |             | 1.200                                |            | 1.600                                                                       |                     |
| Stage: Low <input checked="" type="checkbox"/>                                                                                                                                                                                         |                |                                                    |                   | Wetted Width (m): 0.92                                  |             | 0.600                                |            | 1.200                                                                       |                     |
| Med <input type="checkbox"/>                                                                                                                                                                                                           |                |                                                    |                   | Bankfull Depth (m): 0.37                                |             | 0.3                                  |            | 0.4                                                                         |                     |
| High <input type="checkbox"/>                                                                                                                                                                                                          |                | Temp (C): 7                                        |                   | pH: 8.0                                                 |             | Conductivity: 40                     |            |                                                                             |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |             |                                      |            | Turbidity: Turbid <input type="checkbox"/> Low <input type="checkbox"/>     |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |             |                                      |            | Moderate <input type="checkbox"/> Clear <input checked="" type="checkbox"/> |                     |
| MORPHOLOGY                                                                                                                                                                                                                             |                |                                                    |                   |                                                         |             |                                      |            |                                                                             |                     |
| Bed Material: Dominant: Gravels                                                                                                                                                                                                        |                | D95 (cm): 28.00                                    |                   | Bars: Non <input checked="" type="checkbox"/>           |             | Side <input type="checkbox"/>        |            | Diagonal <input type="checkbox"/>                                           |                     |
| Subdominant: Cobble                                                                                                                                                                                                                    |                | D (cm): 5.00                                       |                   |                                                         |             | Mid-channel <input type="checkbox"/> |            | Span <input type="checkbox"/>                                               |                     |
| Channel Pattern: Sinuous                                                                                                                                                                                                               |                | Islands: None                                      |                   | DISTURBANCE                                             |             | O1                                   |            | B1                                                                          |                     |
| Coupling: Partially Coupled                                                                                                                                                                                                            |                |                                                    |                   | INDICATORS                                              |             | B2                                   |            | B3                                                                          |                     |
| Confinement: Frequently Confined                                                                                                                                                                                                       |                |                                                    |                   |                                                         |             | D1                                   |            | D2                                                                          |                     |
| Morphology: CP Cascade Pool                                                                                                                                                                                                            |                |                                                    |                   |                                                         |             | D3                                   |            |                                                                             |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | C1                                                      |             | C2                                   |            | C3                                                                          |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | C4                                                      |             | C5                                   |            | S1                                                                          |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | S2                                                      |             | S3                                   |            | S4                                                                          |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | S5                                                      |             |                                      |            |                                                                             |                     |
| COVER                                                                                                                                                                                                                                  |                |                                                    |                   |                                                         |             |                                      |            |                                                                             |                     |
| Total Cover: Abundant                                                                                                                                                                                                                  |                | Type: SWD                                          |                   | LWD                                                     |             | B                                    |            | U                                                                           |                     |
| LWD: Few                                                                                                                                                                                                                               |                | Amount: T                                          |                   | S                                                       |             | N                                    |            | D                                                                           |                     |
| LWD Dist: Evenly Distributed                                                                                                                                                                                                           |                | Location: P/S/O:                                   |                   | <input checked="" type="checkbox"/>                     |             | <input checked="" type="checkbox"/>  |            | <input checked="" type="checkbox"/>                                         |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | <input checked="" type="checkbox"/>                     |             | <input checked="" type="checkbox"/>  |            | <input checked="" type="checkbox"/>                                         |                     |
| Right Bank: Shape: Overhang                                                                                                                                                                                                            |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input type="checkbox"/>                         |             | Cobble <input type="checkbox"/>      |            | Boulder <input type="checkbox"/>                                            |                     |
| Left Bank: Shape: Overhang                                                                                                                                                                                                             |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input type="checkbox"/>                         |             | Cobble <input type="checkbox"/>      |            | Boulder <input type="checkbox"/>                                            |                     |
| Right Bank: Rip.Veg: Coniferous                                                                                                                                                                                                        |                | Stage: Mature forest                               |                   |                                                         |             |                                      |            |                                                                             |                     |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |                | Stage: Mature forest                               |                   |                                                         |             |                                      |            |                                                                             |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | Instream Veg: None <input type="checkbox"/>             |             | Algae <input type="checkbox"/>       |            | Moss <input checked="" type="checkbox"/>                                    |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |             |                                      |            | Vascular <input checked="" type="checkbox"/>                                |                     |
| FISH                                                                                                                                                                                                                                   |                |                                                    |                   |                                                         |             |                                      |            |                                                                             |                     |
| Site Number                                                                                                                                                                                                                            | Capture Method | Number of Events                                   | Length fished (m) | Total Time                                              | Voltage     | Species                              | Total Fish | Minimum Length (mm)                                                         | Maximum Length (mm) |
| 4                                                                                                                                                                                                                                      | EF             | 1                                                  | 200               | 261 sec                                                 | 800         | NFC                                  | 0          |                                                                             |                     |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-093700-00000-00000-0000-000-000-000-000-000-000

Reach # 6.0 ILP Map # ILP # Site 4

### PROJECT

Project Name: Shelagyote Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000  
Project Code: 1550

### WATERSHED

Gazetted Name: Watershed Code: 480-093700-00000-00000-0000-000-000-000-000-000-000  
ILP Map #: ILP #: NID Map #: 093M.064 NID #: 22004 Reach #: 6.0 Site #: 4  
Field UTM (Z.E.N): .. Method: Site Lg: 200 Method: HC Access: H  
GIS UTM (Z.E.N): 9.604089.6170835 Ref. Name:  
Date: 2001/08/05 Time: 12:15 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    |     |       |       |       |       |       |       |       |       |       |       |      |            |           |      |     |       |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------------|-----------|------|-----|-------|
|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |            | Gadient % |      | Mtd | Avg   |
| Channel Width (m): | MS  | 1.40  | 1.30  | 1.20  | 1.60  | 1.50  | 1.20  |       |       |       |       | 1.37 | Method I:  | 10.0      | 12.0 | C   | 10.25 |
| Wetted Width (m):  | MS  | 0.60  | 0.80  | 0.90  | 1.10  | 1.20  | 0.90  |       |       |       |       | 0.92 | Method II: | 9.0       | 10.0 | C   |       |
| Pool Depth (m):    | MS  | 0.15  | 0.26  | 0.32  | 0.19  | 0.16  | 0.21  |       |       |       |       | 0.21 |            |           |      |     |       |

Wb Depth: .4 .4 .3 Avg: 0.37 Method: MS Stage: L ☒ M ☐ H ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                        | U                                   | DP                                  | OV                                  | IV                                  |
|-------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Amount:     | T                                   | S                                   | N                        | D                                   | T                                   | T                                   | T                                   |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

LWD: F DIST: E

LB SHP: O

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: C

STG: MF

CROWN CLOSURE

2 21-40%

INSTREAM VEG: N ☐ A ☐ M ☒ V ☒

RB SHP: O

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: C

STG: MF

### WATER

EMS: Temp: 7 Method: T4 Req #: Cond.: 40 Method: S3  
pH: 8.0 Method: P2 Turb.: T ☐ M ☐ L ☐ C ☒ Method: GE  
Flood Signs: None Method: GE

### MORPHOLOGY

Bed Material: Dominant: G Subdom: C O1 B1 B2 B3 D1 D2 D3  
D95: 28.0 D (cm): 5.00 Morph: CP DISTURBANCE INDICATORS  
Pattern: SI C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: N  
Coupling: PC  
Confinement: FC  
FSZ: ☐ Bars: N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                                               |
|--------------------|------------------------------------------------------------------------|
| OverWinter Habitat | No overwintering habitat observed                                      |
| Spawning Habitat   | Poor-pockets of suitable gravels, ephemeral stream with shallow depths |
| Rearing Habitat    | Moderate-limited by gradient and low flows                             |

### PHOTOS

| Photo     | Foc Lg | Dir | Comments                               |
|-----------|--------|-----|----------------------------------------|
| R: 1 F: 7 | STD    | U   | Upstream photo of cascade/pool habitat |
| R: 1 F: 8 | STD    | D   | Downstream photo of gravel habitat     |

# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-093700-00000-00000-0000-0000-000-000-000-000-000

|         |           |       |      |
|---------|-----------|-------|------|
| Reach # | ILP Map # | ILP # | Site |
| 6.0     |           |       | 4    |

| COMMENTS |                                                      |
|----------|------------------------------------------------------|
| Section  | Comments                                             |
| CHANNEL  | Gradient downstream prevents upstream fish migration |
| CHANNEL  | S6 Stream                                            |





Site #4, Upstream photo of cascade/pool habitat.  
Roll #1, Frame #7, Date: 2001/08/05



Site #4, Downstream photo of gravel habitat.  
Roll #1, Frame #8, Date: 2001/08/05



# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Watershed Code: 480-093700-77200-00000-0000-0000-000-000-000-000-000

Reach # ILP Map # ILP #

3.0

| STREAM REFERENCING                                                                                                                                                                                                                     |                |                                                    |                   |                                                         |             |                                            |            |                                           |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------|-------------------|---------------------------------------------------------|-------------|--------------------------------------------|------------|-------------------------------------------|---------------------|
| Gazetted Name:                                                                                                                                                                                                                         |                |                                                    |                   |                                                         | Local Name: |                                            |            |                                           |                     |
| Watershed Code: 480-093700-77200-00000-0000-0000-000-000-000-000-000                                                                                                                                                                   |                |                                                    |                   |                                                         | ILP Map #:  |                                            | ILP #:     |                                           |                     |
| REACH                                                                                                                                                                                                                                  |                |                                                    |                   |                                                         |             |                                            |            |                                           |                     |
| Reach #: 3.0                                                                                                                                                                                                                           |                | UTM(Zone/East/North): 9.604712.6169480             |                   |                                                         |             | Sample Type: Biased                        |            |                                           |                     |
| Length (km): .21                                                                                                                                                                                                                       |                | Coupling: Decoupled                                |                   | Magnitude: 1                                            |             | BGC Zone: ESSF                             |            |                                           |                     |
| Gradient (%): 9.1                                                                                                                                                                                                                      |                | Confinement: Occasionally Conf                     |                   | Order: 1                                                |             | Open water: Absent                         |            |                                           |                     |
| US Elev (m): 1248                                                                                                                                                                                                                      |                | Islands: NONE                                      |                   | Riparian Vegetation: Coniferous                         |             |                                            |            |                                           |                     |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                |                                                    |                   |                                                         |             |                                            |            |                                           |                     |
| SITE                                                                                                                                                                                                                                   |                |                                                    |                   |                                                         |             |                                            |            |                                           |                     |
| Site #: 5                                                                                                                                                                                                                              |                | Field UTM ..                                       |                   | Agency: C172                                            |             | Crew: JD/EL                                |            | Date: 2001/08/05                          |                     |
| Site Length (m): 200                                                                                                                                                                                                                   |                | GIS UTM 9.604629.6169538                           |                   | Agency Name: Triton Environmental Consultants (Terrace) |             |                                            |            |                                           |                     |
| CHANNEL                                                                                                                                                                                                                                |                |                                                    |                   |                                                         |             |                                            |            |                                           |                     |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |                | Intermittent: <input type="checkbox"/>             |                   | Avg                                                     |             | Min                                        |            | Max                                       |                     |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |                | Tribes.: <input type="checkbox"/>                  |                   | #                                                       |             |                                            |            |                                           |                     |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |                | Channel Width (m):                                 |                   | 1.32                                                    |             | 1.200                                      |            | 1.5                                       |                     |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |                | Wetted Width (m):                                  |                   | 0.60                                                    |             | 0.400                                      |            | 0.800                                     |                     |
| High <input type="checkbox"/>                                                                                                                                                                                                          |                | Bankfull Depth (m):                                |                   | 0.40                                                    |             | 0.4                                        |            | 0.4                                       |                     |
| Temp (C): 8                                                                                                                                                                                                                            |                | pH: 7.9                                            |                   | Conductivity: 40                                        |             | Avg                                        |            | Min                                       |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |             | Gradient %:                                |            | 2.00                                      |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |             | Pool Depth (m):                            |            | 0.14                                      |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |             | Turbidity: Turbid <input type="checkbox"/> |            | Low <input type="checkbox"/>              |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |             | Moderate <input type="checkbox"/>          |            | Clear <input checked="" type="checkbox"/> |                     |
| MORPHOLOGY                                                                                                                                                                                                                             |                |                                                    |                   |                                                         |             |                                            |            |                                           |                     |
| Bed Material: Dominant: Gravels                                                                                                                                                                                                        |                | D95 (cm): 28.00                                    |                   | Bars: Non <input checked="" type="checkbox"/>           |             | Side <input type="checkbox"/>              |            | Diagonal <input type="checkbox"/>         |                     |
| Subdominant: Cobble                                                                                                                                                                                                                    |                | D (cm): 5.00                                       |                   |                                                         |             | Mid-channel <input type="checkbox"/>       |            | Span <input type="checkbox"/>             |                     |
| Channel Pattern: Sinuous                                                                                                                                                                                                               |                | Islands: None                                      |                   | DISTURBANCE                                             |             | O1                                         |            | B1                                        |                     |
| Coupling: Decoupled                                                                                                                                                                                                                    |                |                                                    |                   | INDICATORS                                              |             | B2                                         |            | B3                                        |                     |
| Confinement: Occasionally Confine                                                                                                                                                                                                      |                |                                                    |                   |                                                         |             | D1                                         |            | D2                                        |                     |
| Morphology: RP Riffle Pool                                                                                                                                                                                                             |                |                                                    |                   |                                                         |             | D3                                         |            |                                           |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | C1                                                      |             | C2                                         |            | C3                                        |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | C4                                                      |             | C5                                         |            | S1                                        |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | S2                                                      |             | S3                                         |            | S4                                        |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | S5                                                      |             |                                            |            |                                           |                     |
| COVER                                                                                                                                                                                                                                  |                |                                                    |                   |                                                         |             |                                            |            |                                           |                     |
| Total Cover: Abundant                                                                                                                                                                                                                  |                | Type: SWD                                          |                   | LWD                                                     |             | B                                          |            | U                                         |                     |
| LWD: Few                                                                                                                                                                                                                               |                | Amount: T                                          |                   | T                                                       |             | N                                          |            | S                                         |                     |
| LWD Dist: Evenly Distributed                                                                                                                                                                                                           |                | Location: P/S/O:                                   |                   | <input checked="" type="checkbox"/>                     |             | <input checked="" type="checkbox"/>        |            | <input checked="" type="checkbox"/>       |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | <input type="checkbox"/>                                |             | <input type="checkbox"/>                   |            | <input type="checkbox"/>                  |                     |
| Right Bank: Shape: Overhang                                                                                                                                                                                                            |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input type="checkbox"/>                         |             | Cobble <input type="checkbox"/>            |            | Boulder <input type="checkbox"/>          |                     |
| Left Bank: Shape: Overhang                                                                                                                                                                                                             |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input type="checkbox"/>                         |             | Cobble <input type="checkbox"/>            |            | Boulder <input type="checkbox"/>          |                     |
| Right Bank: Rip.Veg: Coniferous                                                                                                                                                                                                        |                | Stage: Mature forest                               |                   | Rock <input type="checkbox"/>                           |             | Manmade <input type="checkbox"/>           |            | Crown Closure                             |                     |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |                | Stage: Mature forest                               |                   | Instream Veg: None <input type="checkbox"/>             |             | Algae <input type="checkbox"/>             |            | Moss <input checked="" type="checkbox"/>  |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | Vascular <input checked="" type="checkbox"/>            |             |                                            |            | FSZ: <input type="checkbox"/>             |                     |
| FISH                                                                                                                                                                                                                                   |                |                                                    |                   |                                                         |             |                                            |            |                                           |                     |
| Site Number                                                                                                                                                                                                                            | Capture Method | Number of Events                                   | Length fished (m) | Total Time                                              | Voltage     | Species                                    | Total Fish | Minimum Length (mm)                       | Maximum Length (mm) |
| 5                                                                                                                                                                                                                                      | EF             | 1                                                  | 200               | 216 sec                                                 | 800         | NFC                                        | 0          |                                           |                     |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-093700-77200-00000-0000-0000-0000-0000-0000-0000

Reach # 3.0 ILP Map # ILP # Site 5

### PROJECT

Project Name: Shelagyote Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-0000-0000-0000-0000-0000-0000  
Project Code: 1550

### WATERSHED

Gazetted Name: Watershed Code: 480-093700-77200-00000-0000-0000-0000-0000-0000-0000-0000  
ILP Map#: ILP #: NID Map #: 093M.064 NID #: 22005 Reach #: 3.0 Site #: 5  
Field UTM (Z.E.N): .. Method: Site Lg: 200 Method: HC Access: H  
GIS UTM (Z.E.N): 9.604629.6169538 Ref. Name:  
Date: 2001/08/05 Time: 13:20 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |           | Gadient %  |     | Mtd | Avg  |  |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|------------|-----|-----|------|--|
| Channel Width (m): | MS  | 1.20  | 1.40  | 1.30  | 1.20  | 1.50  | 1.30  |       |       |       |       | 1.32 | Method I: | 2.0        | 3.0 | C   | 2.00 |  |
| Wetted Width (m):  | MS  | 0.60  | 0.50  | 0.40  | 0.80  | 0.70  | 0.60  |       |       |       |       | 0.60 |           | Method II: | 1.0 | 2.0 | C    |  |
| Pool Depth (m):    | MS  | 0.10  | 0.15  | 0.18  | 0.11  | 0.16  | 0.15  |       |       |       |       | 0.14 |           |            |     |     |      |  |

Wb Depth: .4 .4 .4 Avg: 0.40 Method: MS Stage: L ☐ M ☒ H ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                        | U                                   | DP                       | OV                                  | IV                                  |
|-------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|
| Amount:     | T                                   | T                                   | N                        | S                                   | N                        | D                                   | S                                   |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

LWD: F

DIST: E

LB SHP: O

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: C

STG: MF

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☐ A ☐ M ☒ V ☒

RB SHP: O

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: C

STG: MF

### WATER

EMS: Temp: 8 Method: T4 Req #: Cond.: 40 Method: S3  
pH: 7.9 Method: P2 Method: GE  
Flood Signs: None Method: GE Turb.: T ☐ M ☐ L ☐ C ☒

### MORPHOLOGY

Bed Material: Dominant: G Subdom: C O1 B1 B2 B3 D1 D2 D3  
D95: 28.0 D (cm): 5.00 Morph: RP DISTURBANCE INDICATORS  
Pattern: SI C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: N  
Coupling: DC  
Confinement: OC  
FSZ: ☐ Bars: N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                          |
|--------------------|---------------------------------------------------|
| OverWinter Habitat | No overwintering habitat observed                 |
| Spawning Habitat   | Poor-substrates too large for resident trout      |
| Rearing Habitat    | Poor-vegetated channel, low flows, shallow depths |

### PHOTOS

| Photo      | Foc Lg | Dir | Comments                                   |
|------------|--------|-----|--------------------------------------------|
| R: 1 F: 10 | STD    | D   | Downstream photo of representative habitat |
| R: 1 F: 9  | STD    | U   | Upstream photo of vegetated channel        |

# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-093700-77200-00000-0000-0000-000-000-000-000-000

|         |           |       |      |
|---------|-----------|-------|------|
| Reach # | ILP Map # | ILP # | Site |
| 3.0     |           |       | 5    |

| COMMENTS |                                                      |
|----------|------------------------------------------------------|
| Section  | Comments                                             |
| CHANNEL  | Gradient downstream prevents upstream fish migration |
| CHANNEL  | S6 Stream                                            |



# FDIS Fish Card

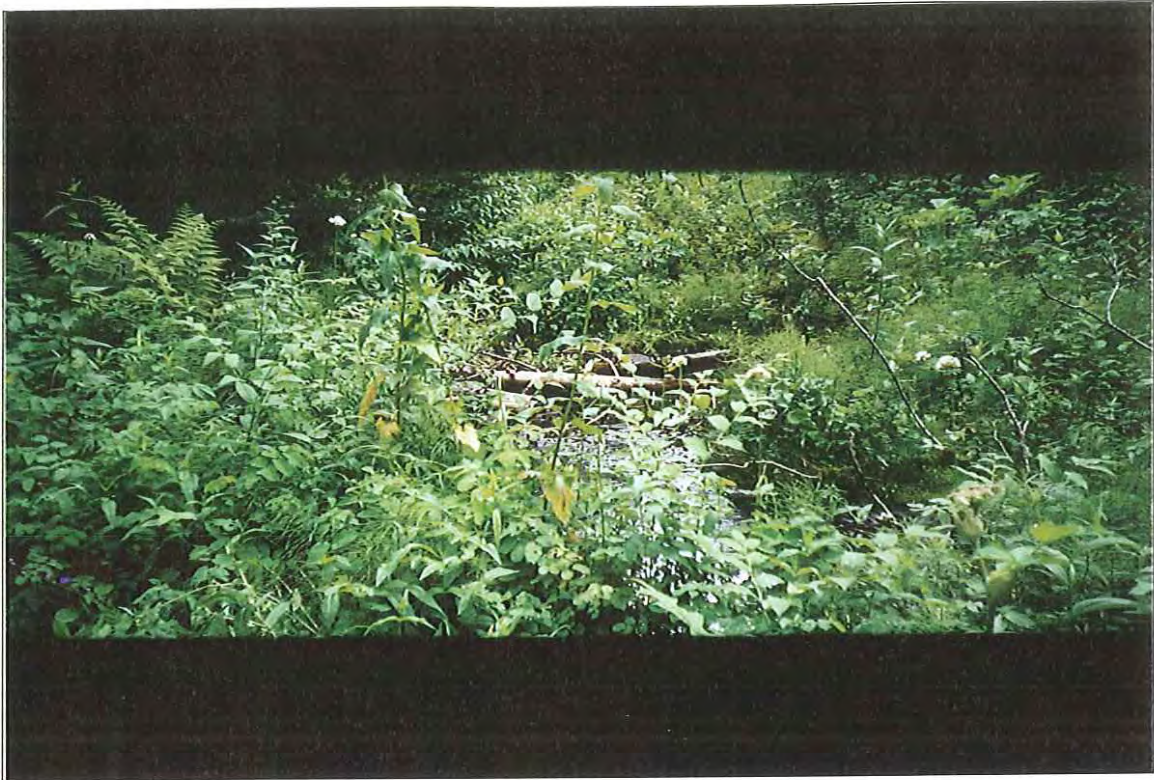
## Shelagyote River Planning Area

Watershed Code: 480-093700-77200-00000-0000-0000-000-000-000-000

Reach # 3.0  
ILP Map #  
ILP #

| WATERBODY                                                    |          |       |                          |            |                |                |                |                 |             |              |                                    |     |  |
|--------------------------------------------------------------|----------|-------|--------------------------|------------|----------------|----------------|----------------|-----------------|-------------|--------------|------------------------------------|-----|--|
| Gazetted Name:                                               |          |       |                          |            |                | Local: None    |                |                 |             |              |                                    |     |  |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-0  |          |       |                          |            |                |                |                |                 |             |              |                                    |     |  |
| WS Code: 480-093700-77200-00000-0000-000-000-000-000-000-000 |          |       |                          |            |                |                |                |                 |             |              |                                    |     |  |
| Waterbody ID:                                                |          |       |                          |            |                | ILP Map #:     |                | ILP #:          |             | Reach #: 3 - |                                    |     |  |
| Project ID: 1550                                             |          |       |                          |            |                | Lake/Stream: S |                | Lake From Date: |             |              |                                    |     |  |
| Fish Permit #: 145084K                                       |          |       | Date: 2001/08/05         |            | To: 2001/08/05 |                | Agency: C172   |                 | Crew: JD/EL |              | Resample: <input type="checkbox"/> |     |  |
| SITE / METHOD                                                |          |       |                          |            |                |                |                |                 |             |              |                                    |     |  |
| Site#                                                        | NID Map  | NID # | UTM:Zone/East/North/Mthd |            |                | MTD/NO         | Temp           | Cond            | Turbid      | Comment      |                                    |     |  |
| 5                                                            | 093M.064 | 22005 |                          |            |                | GPU EF 1       | 8              | 40              | C           |              |                                    |     |  |
| A. GEAR SETTINGS                                             |          |       |                          |            |                |                |                |                 |             |              |                                    |     |  |
| Site#                                                        | MTD/NO   | H/P   | Date In                  | Time In    | Date Out       | Time Out       | Comment        |                 |             |              |                                    |     |  |
| 5                                                            | EF       | 1     | 1                        | 2001/08/05 | 13:20          | 2001/08/05     | 14:00          |                 |             |              |                                    |     |  |
| C. ELECTROFISHER SPECIFICATIONS                              |          |       |                          |            |                |                |                |                 |             |              |                                    |     |  |
| Site#                                                        | MTD/NO   | H/P   | Encl                     | Sec        | Length         | Width          | Voltage        | Frequency       | Pulse       | Make         | Model                              |     |  |
| 5                                                            | EF       | 1     | 1                        | O          | 216            | 200.0          | 0.6            | 800             | 60          | 6            | SMITH                              | 12B |  |
|                                                              |          |       |                          |            |                |                |                |                 |             | ROOT         |                                    |     |  |
| FISH SUMMARY                                                 |          |       |                          |            |                |                |                |                 |             |              |                                    |     |  |
| Site#                                                        | MTD/NO   | H/P   | Species                  | Stage      | Age            | Total #        | Lgth (Min/Max) | FishAct         | Comment     |              |                                    |     |  |
| 5                                                            | EF       | 1     | 1                        | NFC        |                | 0              |                |                 |             |              |                                    |     |  |





Site #5, Upstream photo of vegetated channel.  
Roll #1, Frame #9, Date: 2001/08/05



Site #5, Downstream photo of representative habitat.  
Roll #1, Frame #10, Date: 2001/08/05



# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Watershed Code: 480-149000-00000-00000-0000-000-000-000-000-000

Reach # ILP Map # ILP #

4.0

| STREAM REFERENCING                                                                                                                                                                                                                     |                |                                                    |                   |                                                         |             |                                            |            |                                           |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------|-------------------|---------------------------------------------------------|-------------|--------------------------------------------|------------|-------------------------------------------|---------------------|
| Gazetted Name:                                                                                                                                                                                                                         |                |                                                    |                   |                                                         | Local Name: |                                            |            |                                           |                     |
| Watershed Code: 480-149000-00000-00000-0000-000-000-000-000                                                                                                                                                                            |                |                                                    |                   |                                                         | ILP Map #:  |                                            | ILP #:     |                                           |                     |
| REACH                                                                                                                                                                                                                                  |                |                                                    |                   |                                                         |             |                                            |            |                                           |                     |
| Reach #: 4.0                                                                                                                                                                                                                           |                | UTM(Zone/East/North): 9.606918.6169173             |                   |                                                         |             | Sample Type: Biased                        |            |                                           |                     |
| Length (km): 3.13                                                                                                                                                                                                                      |                | Coupling: Partially Couple                         |                   | Magnitude: 11                                           |             | BGC Zone: ESSF                             |            |                                           |                     |
| Gradient (%): 6.5                                                                                                                                                                                                                      |                | Confinement: Confined                              |                   | Order: 3                                                |             | Open water: Absent                         |            |                                           |                     |
| US Elev (m): 1190                                                                                                                                                                                                                      |                | Islands: NONE                                      |                   | Riparian Vegetation: Coniferous                         |             |                                            |            |                                           |                     |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                |                                                    |                   |                                                         |             |                                            |            |                                           |                     |
| SITE                                                                                                                                                                                                                                   |                |                                                    |                   |                                                         |             |                                            |            |                                           |                     |
| Site #: 6                                                                                                                                                                                                                              |                | Field UTM ..                                       |                   | Agency: C172                                            |             | Crew: JD/EL                                |            | Date: 2001/08/05                          |                     |
| Site Length (m): 200                                                                                                                                                                                                                   |                | GIS UTM 9.607058.6168988                           |                   | Agency Name: Triton Environmental Consultants (Terrace) |             |                                            |            |                                           |                     |
| CHANNEL                                                                                                                                                                                                                                |                |                                                    |                   |                                                         |             |                                            |            |                                           |                     |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |                | Intermittent: <input type="checkbox"/>             |                   | Avg                                                     |             | Min                                        |            | Max                                       |                     |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |                | Tribes.: <input type="checkbox"/>                  |                   | Channel Width (m): 2.42                                 |             | 2.1                                        |            | 2.700                                     |                     |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |                |                                                    |                   | Wetted Width (m): 1.53                                  |             | 1.200                                      |            | 2                                         |                     |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |                |                                                    |                   | Bankfull Depth (m): 0.53                                |             | 0.5                                        |            | 0.6                                       |                     |
| High <input type="checkbox"/>                                                                                                                                                                                                          |                | Temp (C): 7                                        |                   | pH: 7.9                                                 |             | Conductivity: 40                           |            |                                           |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |             | Turbidity: Turbid <input type="checkbox"/> |            | Low <input type="checkbox"/>              |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |             | Moderate <input type="checkbox"/>          |            | Clear <input checked="" type="checkbox"/> |                     |
| MORPHOLOGY                                                                                                                                                                                                                             |                |                                                    |                   |                                                         |             |                                            |            |                                           |                     |
| Bed Material: Dominant: Cobble                                                                                                                                                                                                         |                | D95 (cm): 45.00                                    |                   | Bars: Non <input checked="" type="checkbox"/>           |             | Side <input type="checkbox"/>              |            | Diagonal <input type="checkbox"/>         |                     |
| Subdominant: Boulders                                                                                                                                                                                                                  |                | D (cm): 10.00                                      |                   |                                                         |             | Mid-channel <input type="checkbox"/>       |            | Span <input type="checkbox"/>             |                     |
| Channel Pattern: Sinuous                                                                                                                                                                                                               |                | Islands: None                                      |                   | DISTURBANCE                                             |             | O1                                         |            | B1                                        |                     |
| Coupling: Partially Coupled                                                                                                                                                                                                            |                |                                                    |                   | INDICATORS                                              |             | B2                                         |            | B3                                        |                     |
| Confinement: Frequently Confined                                                                                                                                                                                                       |                |                                                    |                   |                                                         |             | D1                                         |            | D2                                        |                     |
| Morphology: CP Cascade Pool                                                                                                                                                                                                            |                |                                                    |                   |                                                         |             | D3                                         |            |                                           |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | C1                                                      |             | C2                                         |            | C3                                        |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | C4                                                      |             | C5                                         |            | S1                                        |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | S2                                                      |             | S3                                         |            | S4                                        |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | S5                                                      |             |                                            |            |                                           |                     |
| COVER                                                                                                                                                                                                                                  |                |                                                    |                   |                                                         |             |                                            |            |                                           |                     |
| Total Cover: Abundant                                                                                                                                                                                                                  |                | Type: SWD                                          |                   | LWD                                                     |             | B                                          |            | U                                         |                     |
| LWD: Few                                                                                                                                                                                                                               |                | Amount: T                                          |                   | D                                                       |             | S                                          |            | T                                         |                     |
| LWD Dist: Clumped                                                                                                                                                                                                                      |                | Location: P/S/O:                                   |                   | <input checked="" type="checkbox"/>                     |             | <input checked="" type="checkbox"/>        |            | <input checked="" type="checkbox"/>       |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | <input checked="" type="checkbox"/>                     |             | <input checked="" type="checkbox"/>        |            | <input checked="" type="checkbox"/>       |                     |
| Right Bank: Shape: Sloping (g)                                                                                                                                                                                                         |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input checked="" type="checkbox"/>              |             | Cobble <input type="checkbox"/>            |            | Boulder <input type="checkbox"/>          |                     |
| Left Bank: Shape: Sloping (g)                                                                                                                                                                                                          |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input checked="" type="checkbox"/>              |             | Cobble <input type="checkbox"/>            |            | Boulder <input type="checkbox"/>          |                     |
| Right Bank: Rip.Veg: Coniferous                                                                                                                                                                                                        |                | Stage: Mature forest                               |                   | Instream Veg: None <input checked="" type="checkbox"/>  |             | Algae <input type="checkbox"/>             |            | Moss <input type="checkbox"/>             |                     |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |                | Stage: Mature forest                               |                   |                                                         |             | Vascular <input type="checkbox"/>          |            |                                           |                     |
| FISH                                                                                                                                                                                                                                   |                |                                                    |                   |                                                         |             |                                            |            |                                           |                     |
| Site Number                                                                                                                                                                                                                            | Capture Method | Number of Events                                   | Length fished (m) | Total Time                                              | Voltage     | Species                                    | Total Fish | Minimum Length (mm)                       | Maximum Length (mm) |
| 6                                                                                                                                                                                                                                      | EF             | 1                                                  | 200               | 208 sec                                                 | 800         | NFC                                        | 0          |                                           |                     |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-149000-00000-00000-0000-000-000-000-000-000-000

Reach # 4.0 ILP Map # ILP # Site 6

### PROJECT

Project Name: Shelagyote Inventory  
Stream Name (gaz.): BABINE RIVER Project Code: 1550  
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000

### WATERSHED

Gazetted Name: Local Name: None  
Watershed Code: 480-149000-00000-00000-0000-000-000-000-000-000-000  
ILP Map#: ILP #: NID Map #: 093M.064 NID #: 22006 Reach #: 4.0 Site #: 6  
Field UTM (Z.E.N): .. Method: Site Lg: 200 Method: HC Access: H  
GIS UTM (Z.E.N): 9.607058.6168988 Ref. Name:  
Date: 2001/08/05 Time: 14:30 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |            | Gadient % |     | Mtd | Avg  |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------------|-----------|-----|-----|------|
| Channel Width (m): | MS  | 2.40  | 2.60  | 2.10  | 2.70  | 2.30  | 2.40  |       |       |       |       | 2.42 | Method I:  | 6.0       | 7.0 | C   | 6.00 |
| Wetted Width (m):  | MS  | 1.30  | 2.00  | 1.40  | 1.20  | 1.60  | 1.70  |       |       |       |       | 1.53 | Method II: | 5.0       | 6.0 | C   |      |
| Pool Depth (m):    | MS  | 0.30  | 0.41  | 0.36  | 0.29  | 0.31  | 0.30  |       |       |       |       | 0.33 |            |           |     |     |      |

Wb Depth: .5 .6 .5 Avg: 0.53 Method: MS Stage: L ☐ M ☒ H ☐ No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                                   | U                                   | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | D                                   | S                                   | T                                   | T                                   | T                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

LWD: F DIST: C

LB SHP: S

Texture: F ☒ G ☒ C ☐ B ☐ R ☐ A ☐

RIP: C

STG: MF

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

RB SHP: S

Texture: F ☒ G ☒ C ☐ B ☐ R ☐ A ☐

RIP: C

STG: MF

### WATER

EMS: Temp: 7 Method: T4 Req #: Cond.: 40 Method: S3  
pH: 7.9 Method: P2 Turb.: T ☐ M ☐ L ☐ C ☒ Method: GE  
Flood Signs: None Method: GE

### MORPHOLOGY

Bed Material: Dominant: C Subdom: B O1 B1 B2 B3 D1 D2 D3  
D95: 45.0 D (cm): 10.00 Morph: CP DISTURBANCE INDICATORS  
Pattern: SI C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: N  
Coupling: PC  
Confinement: FC  
FSZ: ☐ Bars: N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                              |
|--------------------|-------------------------------------------------------|
| OverWinter Habitat | No overwintering habitat observed                     |
| Spawning Habitat   | Moderate-abundant gravels in pockets throughout reach |
| Rearing Habitat    | Moderate-abundant cover and pool habitat              |

### PHOTOS

| Photo      | Foc Lg | Dir | Comments                                 |
|------------|--------|-----|------------------------------------------|
| R: 1 F: 11 | STD    | D   | Downstream photo of cascade/pool habitat |
| R: 1 F: 12 | STD    | U   | Upstream photo of representative habitat |



## Shelagyote River Planning Area

| Reach # | ILP Map # | ILP # | Site |
|---------|-----------|-------|------|
| 4.0     |           |       | 6    |

| COMMENTS |                                                     |
|----------|-----------------------------------------------------|
| Section  | Comments                                            |
| CHANNEL  | Cascade downstream prevents upstream fish migration |
| CHANNEL  | S6 Stream                                           |

# FDIS Fish Card

## Shelagyote River Planning Area

Watershed Code: 480-149000-00000-00000-0000-000-000-000-000-000-000

Reach # 4.0  
ILP Map #  
ILP #

| WATERBODY                                                       |          |         |                          |            |          |            |                |           |         |                |               |                 |  |              |  |                                    |  |
|-----------------------------------------------------------------|----------|---------|--------------------------|------------|----------|------------|----------------|-----------|---------|----------------|---------------|-----------------|--|--------------|--|------------------------------------|--|
| Gazetted Name:                                                  |          |         |                          |            |          |            |                |           |         | Local: None    |               |                 |  |              |  |                                    |  |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-000-0 |          |         |                          |            |          |            |                |           |         |                |               |                 |  |              |  |                                    |  |
| WS Code: 480-149000-00000-00000-0000-000-000-000-000-000-000    |          |         |                          |            |          |            |                |           |         |                |               |                 |  |              |  |                                    |  |
| Waterbody ID:                                                   |          |         |                          |            |          |            |                |           |         | ILP Map #:     |               | ILP #:          |  | Reach #: 4 - |  |                                    |  |
| Project ID: 1550                                                |          |         |                          |            |          |            |                |           |         | Lake/Stream: S |               | Lake From Date: |  |              |  |                                    |  |
| Fish Permit #:                                                  |          | 145084K |                          | Date:      |          | 2001/08/05 |                | To:       |         | 2001/08/05     |               | Agency: C172    |  | Crew: JD/EL  |  | Resample: <input type="checkbox"/> |  |
| SITE / METHOD                                                   |          |         |                          |            |          |            |                |           |         |                |               |                 |  |              |  |                                    |  |
| Site#                                                           | NID Map  | NID #   | UTM:Zone/East/North/Mthd |            |          | MTD/NO     |                | Temp      | Cond    | Turbid         | Comment       |                 |  |              |  |                                    |  |
| 6                                                               | 093M.064 | 22006   |                          |            |          | GPU        | EF             | 1         | 7       | 40             | C             |                 |  |              |  |                                    |  |
| A. GEAR SETTINGS                                                |          |         |                          |            |          |            |                |           |         |                |               |                 |  |              |  |                                    |  |
| Site#                                                           | MTD/NO   | H/P     | Date In                  | Time In    | Date Out | Time Out   | Comment        |           |         |                |               |                 |  |              |  |                                    |  |
| 6                                                               | EF       | 1       | 1                        | 2001/08/05 | 14:30    | 2001/08/05 | 14:50          |           |         |                |               |                 |  |              |  |                                    |  |
| C. ELECTROFISHER SPECIFICATIONS                                 |          |         |                          |            |          |            |                |           |         |                |               |                 |  |              |  |                                    |  |
| Site#                                                           | MTD/NO   | H/P     | Encl                     | Sec        | Length   | Width      | Voltage        | Frequency | Pulse   | Make           | Model         |                 |  |              |  |                                    |  |
| 6                                                               | EF       | 1       | 1                        | O          | 208      | 200.0      | 1.3            | 800       | 60      | 6              | SMITH<br>ROOT | 12B             |  |              |  |                                    |  |
| FISH SUMMARY                                                    |          |         |                          |            |          |            |                |           |         |                |               |                 |  |              |  |                                    |  |
| Site#                                                           | MTD/NO   | H/P     | Species                  | Stage      | Age      | Total #    | Lgth (Min/Max) | FishAct   | Comment |                |               |                 |  |              |  |                                    |  |
| 6                                                               | EF       | 1       | 1                        | NFC        |          | 0          |                |           |         |                |               |                 |  |              |  |                                    |  |





Site #6, Downstream photo of cascade/pool habitat.  
Roll #1, Frame #11, Date: 2001/08/05



Site #6, Upstream photo of representative habitat.  
Roll #1, Frame #12, Date: 2001/08/05







# FDIS Site Card

## Shelagoyte River Planning Area

Watershed Code: 480-160900-43800-72100-0000-0000-000-000-000-000-000

Reach # 1.0 ILP Map # ILP # Site 7

### PROJECT

Project Name: Shelagoyte Inventory  
Stream Name (gaz.): BABINE RIVER Project Code: 1550  
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000

### WATERSHED

Gazetted Name: Local Name: None  
Watershed Code: 480-160900-43800-72100-0000-0000-000-000-000-000-000  
ILP Map#: ILP #: NID Map #: 093M.064 NID #: 22007 Reach #: 1.0 Site #: 7  
Field UTM (Z.E.N): .. Method: Site Lg: 200 Method: HC Access: H  
GIS UTM (Z.E.N): 9.609396.6171724 Ref. Name:  
Date: 2001/08/05 Time: 15:00 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |            | Gadient % | Mtd | Avg  |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------------|-----------|-----|------|
| Channel Width (m): | MS  | 1.60  | 1.80  | 2.10  | 1.40  | 1.90  | 1.60  |       |       |       |       | 1.73 | Method I:  | 6.0       | 8.0 | 6.75 |
| Wetted Width (m):  | MS  | 1.10  | 1.00  | 1.20  | 1.00  | 1.30  | 1.10  |       |       |       |       | 1.12 | Method II: | 7.0       | 6.0 | C    |
| Pool Depth (m):    | MS  | 0.10  | 0.20  | 0.15  | 0.10  | 0.20  | 0.15  |       |       |       |       | 0.15 |            |           |     |      |

Wb Depth: .4 .6 .4 Avg: 0.47 Method: MS Stage: L ☐ M ☒ H ☐

No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                                   | U                                   | DP                       | OV                                  | IV                                  |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|
| Amount:     | T                                   | D                                   | N                                   | S                                   | N                        | S                                   | T                                   |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☐ A ☐ M ☐ V ☒

LWD: A

DIST: E

LB SHP: O

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: C

STG: MF

RB SHP: O

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: C

STG: MF

### WATER

EMS: Req #: Temp: 7 Method: T4 Cond.: 40 Method: S3  
pH: 7.9 Method: P2 Turb.: T ☐ M ☐ L ☐ C ☒ Method: GE  
Flood Signs: None Method: GE

### MORPHOLOGY

Bed Material: Dominant: G Subdom: C O1 B1 B2 B3 D1 D2 D3  
D95: 30.0 D (cm): 5.00 Morph: CP DISTURBANCE INDICATORS  
Pattern: SI C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: N  
Coupling: PC  
Confinement: FC  
FSZ: ☐ Bars: N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                            |
|--------------------|-----------------------------------------------------|
| OverWinter Habitat | No overwintering habitat observed                   |
| Spawning Habitat   | Moderate-gravels suitable for spawning are abundant |
| Rearing Habitat    | Poor-shallow depth, subject to low flows            |

### PHOTOS

| Photo      | Foc Lg | Dir | Comments                               |
|------------|--------|-----|----------------------------------------|
| R: 1 F: 13 | STD    | U   | Upstream photo of cascade/pool habitat |
| R: 1 F: 14 | STD    | D   | Downstream photo of substrates         |

# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-160900-43800-72100-0000-0000-000-000-000-000-000

|         |           |       |      |
|---------|-----------|-------|------|
| Reach # | ILP Map # | ILP # | Site |
| 1.0     |           |       | 7    |

| COMMENTS |                                |
|----------|--------------------------------|
| Section  | Comments                       |
| CHANNEL  | Barrier downstream on mainstem |
| CHANNEL  | S6 Stream                      |



# FDIS Fish Card

## Shelagoyote River Planning Area

Watershed Code: 480-160900-43800-72100-0000-0000-000-000-000-000-000

Reach # 1.0  
ILP Map #  
ILP #

| WATERBODY                                                       |          |         |                          |                  |                |                |                |              |         |                 |               |                                    |  |
|-----------------------------------------------------------------|----------|---------|--------------------------|------------------|----------------|----------------|----------------|--------------|---------|-----------------|---------------|------------------------------------|--|
| Gazetted Name:                                                  |          |         |                          |                  |                |                |                |              |         | Local: None     |               |                                    |  |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-000-0 |          |         |                          |                  |                |                |                |              |         |                 |               |                                    |  |
| WS Code: 480-160900-43800-72100-0000-0000-000-000-000-000-000   |          |         |                          |                  |                |                |                |              |         |                 |               |                                    |  |
| Waterbody ID:                                                   |          |         |                          |                  | ILP Map #:     |                |                |              |         | ILP #:          |               | Reach #: 1 -                       |  |
| Project ID: 1550                                                |          |         |                          |                  | Lake/Stream: S |                |                |              |         | Lake From Date: |               |                                    |  |
| Fish Permit #:                                                  |          | 145084K |                          | Date: 2001/08/05 |                | To: 2001/08/05 |                | Agency: C172 |         | Crew: JD/EL     |               | Resample: <input type="checkbox"/> |  |
| SITE / METHOD                                                   |          |         |                          |                  |                |                |                |              |         |                 |               |                                    |  |
| Site#                                                           | NID Map  | NID #   | UTM:Zone/East/North/Mthd |                  |                | MTD/NO         |                | Temp         | Cond    | Turbid          | Comment       |                                    |  |
| 7                                                               | 093M.064 | 22007   |                          |                  |                | GPU            | EF 1           | 7            | 40      | C               |               |                                    |  |
| A. GEAR SETTINGS                                                |          |         |                          |                  |                |                |                |              |         |                 |               |                                    |  |
| Site#                                                           | MTD/NO   | H/P     | Date In                  | Time In          | Date Out       | Time Out       | Comment        |              |         |                 |               |                                    |  |
| 7                                                               | EF 1     | 1       | 2001/08/05               | 15:00            | 2001/08/05     | 15:35          |                |              |         |                 |               |                                    |  |
| C. ELECTROFISHER SPECIFICATIONS                                 |          |         |                          |                  |                |                |                |              |         |                 |               |                                    |  |
| Site#                                                           | MTD/NO   | H/P     | Encl                     | Sec              | Length         | Width          | Voltage        | Frequency    | Pulse   | Make            | Model         |                                    |  |
| 7                                                               | EF       | 1       | 1                        | O                | 218            | 200.0          | 1.1            | 800          | 60      | 6               | SMITH<br>ROOT | 12B                                |  |
| FISH SUMMARY                                                    |          |         |                          |                  |                |                |                |              |         |                 |               |                                    |  |
| Site#                                                           | MTD/NO   | H/P     | Species                  | Stage            | Age            | Total #        | Lgth (Min/Max) | FishAct      | Comment |                 |               |                                    |  |
| 7                                                               | EF       | 1       | 1                        | NFC              |                | 0              |                |              |         |                 |               |                                    |  |





Site #7, Upstream photo of cascade/pool habitat.  
Roll #1, Frame #13, Date: 2001/08/05



Site #7, Downstream photo of substrates.  
Roll #1, Frame #14, Date: 2001/08/05



# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Watershed Code: 480-160900-43800-00000-0000-0000-000-000-000-000-000

Reach # ILP Map # ILP #

3.0

| STREAM REFERENCING                                                                                                                                                                                                                     |  |                                                    |  |                                                         |  |                                     |  |                                             |        |                                                                                                                                 |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|--|---------------------------------------------------------|--|-------------------------------------|--|---------------------------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------|--|
| Gazetted Name:                                                                                                                                                                                                                         |  |                                                    |  |                                                         |  | Local Name:                         |  |                                             |        |                                                                                                                                 |  |
| Watershed Code: 480-160900-43800-00000-0000-0000-000-000-000-000-000                                                                                                                                                                   |  |                                                    |  |                                                         |  | ILP Map #:                          |  |                                             | ILP #: |                                                                                                                                 |  |
| REACH                                                                                                                                                                                                                                  |  |                                                    |  |                                                         |  |                                     |  |                                             |        |                                                                                                                                 |  |
| Reach #: 3.0                                                                                                                                                                                                                           |  | UTM(Zone/East/North): 9.609120.6172550             |  |                                                         |  | Sample Type: Biased                 |  |                                             |        |                                                                                                                                 |  |
| Length (km): 3.02                                                                                                                                                                                                                      |  | Coupling: Partially Couple                         |  | Magnitude: 24                                           |  | BGC Zone: ESSF                      |  |                                             |        |                                                                                                                                 |  |
| Gradient (%): 3.0                                                                                                                                                                                                                      |  | Confinement: Occasionally Conf                     |  | Order: 3                                                |  | Open water: Absent                  |  |                                             |        |                                                                                                                                 |  |
| US Elev (m): 1183                                                                                                                                                                                                                      |  | Islands: NONE                                      |  | Riparian Vegetation: Coniferous                         |  |                                     |  |                                             |        |                                                                                                                                 |  |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |  |                                                    |  |                                                         |  |                                     |  |                                             |        |                                                                                                                                 |  |
| SITE                                                                                                                                                                                                                                   |  |                                                    |  |                                                         |  |                                     |  |                                             |        |                                                                                                                                 |  |
| Site #: 8                                                                                                                                                                                                                              |  | Field UTM 9.609664.6171508                         |  | Agency: C172                                            |  | Crew: JD/EL                         |  | Date: 2001/08/05                            |        |                                                                                                                                 |  |
| Site Length (m): 400                                                                                                                                                                                                                   |  | GIS UTM 9.609736.6171518                           |  | Agency Name: Triton Environmental Consultants (Terrace) |  |                                     |  |                                             |        |                                                                                                                                 |  |
| CHANNEL                                                                                                                                                                                                                                |  |                                                    |  |                                                         |  |                                     |  |                                             |        |                                                                                                                                 |  |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |  | Intermittent: <input type="checkbox"/>             |  | Avg                                                     |  | Min                                 |  | Max                                         |        | #                                                                                                                               |  |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |  | Tribes.: <input type="checkbox"/>                  |  | Channel Width (m): 3.02                                 |  | 2.6                                 |  | 3.5                                         |        | 6                                                                                                                               |  |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |  |                                                    |  | Wetted Width (m): 3.02                                  |  | 2.6                                 |  | 3.5                                         |        | 6                                                                                                                               |  |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |  |                                                    |  | Bankfull Depth (m): 0.37                                |  | 0.3                                 |  | 0.4                                         |        | 3                                                                                                                               |  |
| High <input type="checkbox"/>                                                                                                                                                                                                          |  | Temp (C): 8                                        |  | pH: 8.2                                                 |  | Conductivity: 50                    |  |                                             |        |                                                                                                                                 |  |
|                                                                                                                                                                                                                                        |  |                                                    |  |                                                         |  |                                     |  | Turbidity.: Turbid <input type="checkbox"/> |        | Low <input checked="" type="checkbox"/>                                                                                         |  |
|                                                                                                                                                                                                                                        |  |                                                    |  |                                                         |  |                                     |  | Moderate <input type="checkbox"/>           |        | Clear <input type="checkbox"/>                                                                                                  |  |
| MORPHOLOGY                                                                                                                                                                                                                             |  |                                                    |  |                                                         |  |                                     |  |                                             |        |                                                                                                                                 |  |
| Bed Material: Dominant: Gravels                                                                                                                                                                                                        |  | D95 (cm): 46.00                                    |  | Bars: Non <input checked="" type="checkbox"/>           |  | Side <input type="checkbox"/>       |  | Diagonal <input type="checkbox"/>           |        | Mid-channel <input type="checkbox"/> Span <input type="checkbox"/>                                                              |  |
| Subdominant: Cobble                                                                                                                                                                                                                    |  | D (cm): 7.00                                       |  |                                                         |  |                                     |  |                                             |        | Braid <input type="checkbox"/>                                                                                                  |  |
| Channel Pattern: Sinuous                                                                                                                                                                                                               |  | Islands: None                                      |  | DISTURBANCE                                             |  | O1                                  |  | B1                                          |        | B2                                                                                                                              |  |
| Coupling: Coupled                                                                                                                                                                                                                      |  |                                                    |  | INDICATORS                                              |  | <input type="checkbox"/>            |  | <input type="checkbox"/>                    |        | <input type="checkbox"/>                                                                                                        |  |
| Confinement: Occasionally Confine                                                                                                                                                                                                      |  |                                                    |  |                                                         |  | C1                                  |  | C2                                          |        | C3                                                                                                                              |  |
| Morphology: RP Riffle Pool                                                                                                                                                                                                             |  |                                                    |  |                                                         |  | <input type="checkbox"/>            |  | <input type="checkbox"/>                    |        | <input type="checkbox"/>                                                                                                        |  |
|                                                                                                                                                                                                                                        |  |                                                    |  |                                                         |  | C4                                  |  | C5                                          |        | S1                                                                                                                              |  |
|                                                                                                                                                                                                                                        |  |                                                    |  |                                                         |  | <input type="checkbox"/>            |  | <input type="checkbox"/>                    |        | <input type="checkbox"/>                                                                                                        |  |
|                                                                                                                                                                                                                                        |  |                                                    |  |                                                         |  | S2                                  |  | S3                                          |        | S4                                                                                                                              |  |
|                                                                                                                                                                                                                                        |  |                                                    |  |                                                         |  | <input type="checkbox"/>            |  | <input type="checkbox"/>                    |        | <input type="checkbox"/>                                                                                                        |  |
|                                                                                                                                                                                                                                        |  |                                                    |  |                                                         |  | S5                                  |  |                                             |        |                                                                                                                                 |  |
|                                                                                                                                                                                                                                        |  |                                                    |  |                                                         |  | <input type="checkbox"/>            |  |                                             |        |                                                                                                                                 |  |
| COVER                                                                                                                                                                                                                                  |  |                                                    |  |                                                         |  |                                     |  |                                             |        |                                                                                                                                 |  |
| Total Cover: Abundant                                                                                                                                                                                                                  |  | Type: SWD                                          |  | LWD                                                     |  | B                                   |  | U                                           |        | DP                                                                                                                              |  |
| LWD: Few                                                                                                                                                                                                                               |  | Amount: T                                          |  | S                                                       |  | S                                   |  | D                                           |        | S                                                                                                                               |  |
| LWD Dist: Evenly Distributed                                                                                                                                                                                                           |  | Location: P/S/O:                                   |  | <input checked="" type="checkbox"/>                     |  | <input checked="" type="checkbox"/> |  | <input checked="" type="checkbox"/>         |        | <input checked="" type="checkbox"/>                                                                                             |  |
|                                                                                                                                                                                                                                        |  |                                                    |  | <input checked="" type="checkbox"/>                     |  | <input checked="" type="checkbox"/> |  | <input checked="" type="checkbox"/>         |        | <input checked="" type="checkbox"/>                                                                                             |  |
| Right Bank: Shape: Undercut                                                                                                                                                                                                            |  | Texture: Fines <input checked="" type="checkbox"/> |  | Gravel <input checked="" type="checkbox"/>              |  | Cobble <input type="checkbox"/>     |  | Boulder <input type="checkbox"/>            |        | Rock <input type="checkbox"/> Manmade <input type="checkbox"/>                                                                  |  |
| Left Bank: Shape: Undercut                                                                                                                                                                                                             |  | Texture: Fines <input checked="" type="checkbox"/> |  | Gravel <input checked="" type="checkbox"/>              |  | Cobble <input type="checkbox"/>     |  | Boulder <input type="checkbox"/>            |        | Rock <input type="checkbox"/> Manmade <input type="checkbox"/>                                                                  |  |
| Right Bank: Rip.Veg: Coniferous                                                                                                                                                                                                        |  | Stage: Mature forest                               |  |                                                         |  |                                     |  |                                             |        | Crown Closure                                                                                                                   |  |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |  | Stage: Mature forest                               |  |                                                         |  |                                     |  |                                             |        | 1-20%                                                                                                                           |  |
|                                                                                                                                                                                                                                        |  |                                                    |  |                                                         |  |                                     |  | Instream Veg: None <input type="checkbox"/> |        | Algae <input checked="" type="checkbox"/> Moss <input checked="" type="checkbox"/> Vascular <input checked="" type="checkbox"/> |  |

# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Watershed Code: 480-160900-43800-00000-0000-0000-000-000-000-000-000

Reach # ILP Map # ILP #

3.0

| SITE                                    |                |                                                    |                   |                                                         |         |                                     |            |                                     |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                                |  |
|-----------------------------------------|----------------|----------------------------------------------------|-------------------|---------------------------------------------------------|---------|-------------------------------------|------------|-------------------------------------|---------------------|--------------------------------------|--|-------------------------------------|--|--------------------------------------------------------|--|-------------------------------------------|--|-------------------------------|--|-----------------------------------|--|--------------------------------|--|
| Site #: 9                               |                | Field UTM ..                                       |                   | Agency: C172                                            |         | Crew: JD/EL                         |            | Date: 2001/08/05                    |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                                |  |
| Site Length (m): 200                    |                | GIS UTM 9.610482.6171121                           |                   | Agency Name: Trilon Environmental Consultants (Terrace) |         |                                     |            |                                     |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                                |  |
| CHANNEL                                 |                |                                                    |                   |                                                         |         |                                     |            |                                     |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                                |  |
| No Vis.Ch.: <input type="checkbox"/>    |                | Intermittent: <input type="checkbox"/>             |                   | Avg                                                     |         | Min                                 |            | Max                                 |                     | #                                    |  | Avg                                 |  | Min                                                    |  | Max                                       |  | #                             |  |                                   |  |                                |  |
| Dewatered: <input type="checkbox"/>     |                | Tribes.: <input type="checkbox"/>                  |                   | Channel Width (m):                                      |         | 3.77                                |            | 3.1                                 |                     | 4.6                                  |  | 6                                   |  | Gradient %:                                            |  | 2.50                                      |  | 2                             |  | 3                                 |  | 4                              |  |
| Stage: Low <input type="checkbox"/>     |                |                                                    |                   | Wetted Width (m):                                       |         | 3.43                                |            | 3                                   |                     | 4                                    |  | 6                                   |  | Pool Depth (m):                                        |  | 0.50                                      |  | 0.400                         |  | 0.600                             |  | 6                              |  |
| Med <input checked="" type="checkbox"/> |                |                                                    |                   | Bankfull Depth (m):                                     |         | 0.57                                |            | 0.5                                 |                     | 0.6                                  |  | 3                                   |  |                                                        |  |                                           |  |                               |  |                                   |  |                                |  |
| High <input type="checkbox"/>           |                | Temp (C): 8                                        |                   | pH: 8.2                                                 |         | Conductivity: 50                    |            |                                     |                     |                                      |  |                                     |  | Turbidity: Turbid <input type="checkbox"/>             |  | Low <input type="checkbox"/>              |  |                               |  |                                   |  |                                |  |
|                                         |                |                                                    |                   |                                                         |         |                                     |            |                                     |                     |                                      |  |                                     |  | Moderate <input type="checkbox"/>                      |  | Clear <input checked="" type="checkbox"/> |  |                               |  |                                   |  |                                |  |
| MORPHOLOGY                              |                |                                                    |                   |                                                         |         |                                     |            |                                     |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                                |  |
| Bed Material: Dominant: Gravels         |                | D95 (cm): 46.00                                    |                   | Bars: Non <input checked="" type="checkbox"/>           |         | Side <input type="checkbox"/>       |            | Diagonal <input type="checkbox"/>   |                     | Mid-channel <input type="checkbox"/> |  | Span <input type="checkbox"/>       |  |                                                        |  |                                           |  |                               |  |                                   |  |                                |  |
| Subdominant: Cobble                     |                | D (cm): 7.00                                       |                   |                                                         |         |                                     |            |                                     |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  | Braid <input type="checkbox"/> |  |
| Channel Pattern: Sinuous                |                | Islands: None                                      |                   | DISTURBANCE                                             |         | O1                                  |            | B1                                  |                     | B2                                   |  | B3                                  |  | D1                                                     |  | D2                                        |  | D3                            |  |                                   |  |                                |  |
| Coupling: Decoupled                     |                |                                                    |                   | INDICATORS                                              |         | <input type="checkbox"/>            |            | <input type="checkbox"/>            |                     | <input type="checkbox"/>             |  | <input type="checkbox"/>            |  | <input type="checkbox"/>                               |  | <input type="checkbox"/>                  |  | <input type="checkbox"/>      |  |                                   |  |                                |  |
| Confinement: Occasionally Confine       |                |                                                    |                   | C1                                                      |         | C2                                  |            | C3                                  |                     | C4                                   |  | C5                                  |  | S1                                                     |  | S2                                        |  | S3                            |  | S4                                |  | S5                             |  |
| Morphology: RP Riffle Pool              |                |                                                    |                   | <input type="checkbox"/>                                |         | <input type="checkbox"/>            |            | <input type="checkbox"/>            |                     | <input type="checkbox"/>             |  | <input type="checkbox"/>            |  | <input type="checkbox"/>                               |  | <input type="checkbox"/>                  |  | <input type="checkbox"/>      |  | <input type="checkbox"/>          |  | <input type="checkbox"/>       |  |
| COVER                                   |                |                                                    |                   |                                                         |         |                                     |            |                                     |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                                |  |
| Total Cover: Abundant                   |                | Type: SWD                                          |                   | LWD                                                     |         | B                                   |            | U                                   |                     | DP                                   |  | OV                                  |  | IV                                                     |  |                                           |  |                               |  |                                   |  |                                |  |
| LWD: Few                                |                | Amount: T                                          |                   | S                                                       |         | T                                   |            | D                                   |                     | T                                    |  | S                                   |  | N                                                      |  |                                           |  |                               |  |                                   |  |                                |  |
| LWD Dist: Evenly Distributed            |                | Location: P/S/O:                                   |                   | <input checked="" type="checkbox"/>                     |         | <input checked="" type="checkbox"/> |            | <input checked="" type="checkbox"/> |                     | <input checked="" type="checkbox"/>  |  | <input checked="" type="checkbox"/> |  | <input checked="" type="checkbox"/>                    |  | <input type="checkbox"/>                  |  | <input type="checkbox"/>      |  | <input type="checkbox"/>          |  | FSZ: <input type="checkbox"/>  |  |
| Right Bank: Shape: Overhanging          |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input type="checkbox"/>                         |         | Cobble <input type="checkbox"/>     |            | Boulder <input type="checkbox"/>    |                     | Rock <input type="checkbox"/>        |  | Manmade <input type="checkbox"/>    |  | Crown Closure                                          |  |                                           |  |                               |  |                                   |  |                                |  |
| Left Bank: Shape: Overhanging           |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input type="checkbox"/>                         |         | Cobble <input type="checkbox"/>     |            | Boulder <input type="checkbox"/>    |                     | Rock <input type="checkbox"/>        |  | Manmade <input type="checkbox"/>    |  | 1-20%                                                  |  |                                           |  |                               |  |                                   |  |                                |  |
| Right Bank: Rip.Veg: Coniferous         |                | Stage: Mature forest                               |                   |                                                         |         |                                     |            |                                     |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                                |  |
| Left Bank: Rip.Veg:                     |                | Stage: Mature forest                               |                   |                                                         |         |                                     |            |                                     |                     |                                      |  |                                     |  | Instream Veg: None <input checked="" type="checkbox"/> |  | Algae <input type="checkbox"/>            |  | Moss <input type="checkbox"/> |  | Vascular <input type="checkbox"/> |  |                                |  |
| FISH                                    |                |                                                    |                   |                                                         |         |                                     |            |                                     |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                                |  |
| Site Number                             | Capture Method | Number of Events                                   | Length fished (m) | Total Time                                              | Voltage | Species                             | Total Fish | Minimum Length (mm)                 | Maximum Length (mm) |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                                |  |
| 8                                       | EF             | 1                                                  | 400               | 384 sec                                                 | 800     | NFC                                 | 0          |                                     |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                                |  |
| 9                                       | EF             | 1                                                  | 200               | 262 sec                                                 | 800     | NFC                                 | 0          |                                     |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                                |  |



# FDIS Site Card

## Shelagoyote River Planning Area

Watershed Code: 480-160900-43800-00000-00000-0000-000-000-000-000-000

Reach # 3.0 ILP Map # ILP # Site 8

### PROJECT

Project Name: Shelagoyote Inventory  
Stream Name (gaz.): BABINE RIVER Project Code: 1550  
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000

### WATERSHED

Gazetted Name: Local Name: None  
Watershed Code: 480-160900-43800-00000-00000-0000-000-000-000-000-000-000  
ILP Map #: ILP #: NID Map #: 093M.064 NID #: 22008 Reach #: 3.0 Site #: 8  
Field UTM (Z.E.N): 9.609664.6171508 Method: GPU Site Lg: 400 Method: HC Access: H  
GIS UTM (Z.E.N): 9.609736.6171518 Ref. Name:  
Date: 2001/08/05 Time: 15:50 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |            |     |     |   |      |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------------|-----|-----|---|------|
| Channel Width (m): | MS  | 2.60  | 3.50  | 3.20  | 2.80  |       | 3.10  | 2.90  |       |       |       | 3.02 | Method I:  | 2.0 | 2.0 | C | 2.00 |
| Wetted Width (m):  | MS  | 2.60  | 3.50  | 3.20  | 2.80  |       | 3.10  | 2.90  |       |       |       | 3.02 | Method II: | 2.0 | 2.0 | C |      |
| Pool Depth (m):    | MS  | 0.40  | 0.50  | 0.40  | 0.60  |       | 0.30  | 0.30  |       |       |       | 0.42 |            |     |     |   |      |

Wb Depth: .4 .3 .4 Avg: 0.37 Method: MS Stage: L ☐ M ☒ H ☐ Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                                   | U                                   | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | S                                   | S                                   | D                                   | S                                   | T                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

LWD: F DIST: E

LB SHP: U

Texture: F ☒ G ☒ C ☐ B ☐ R ☐ A ☐

RIP: C

STG: MF

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☐ A ☒ M ☒ V ☒

RB SHP: U

Texture: F ☒ G ☒ C ☐ B ☐ R ☐ A ☐

RIP: C

STG: MF

### WATER

EMS: Req #: 50  
Temp: 8 Method: T4 Cond.: 50 Method: S3  
pH: 8.2 Method: P2 Method: GE  
Flood Signs: None Method: GE

### MORPHOLOGY

Bed Material: Dominant: G Subdom: C  
D95: 46.0 D (cm): 7.00 Morph: RP  
Pattern: SI  
Islands: N  
Coupling: CO  
Confinement: OC  
FSZ: ☐  
DISTURBANCE INDICATORS  
O1 B1 B2 B3 D1 D2 D3  
C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Bars: N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                                  |
|--------------------|-----------------------------------------------------------|
| OverWinter Habitat | Poor-one pool observed for overwintering                  |
| Cover              | Moderate-some good LWD complexes and boulder cobble cover |
| Rearing Habitat    | Riffle pool complex with good flows and water depth       |
| Spawning Habitat   | Poor-small pockets of loose clean gravel                  |

### PHOTOS

| Photo      | Foc Lg | Dir | Comments                                  |
|------------|--------|-----|-------------------------------------------|
| R: 1 F: 15 | STD    | U   | Upstream photo of spanning LWD            |
| R: 1 F: 16 | STD    | D   | Downstream photo of overstream vegetation |

# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-160900-43800-00000-00000-00000-00000-00000-000

Reach #

ILP Map #

ILP #

Site

3.0

8

### COMMENTS

| Section | Comments                   |
|---------|----------------------------|
| CHANNEL | Barrier located downstream |
| CHANNEL | S6 Stream                  |



# FDIS Fish Card

## Shelagoyte River Planning Area

Watershed Code: 480-160900-43800-00000-00000-00000-00000-00000-000

Reach # 3.0  
ILP Map #  
ILP #

| WATERBODY                                                       |          |       |                          |                |            |                |                |                 |              |              |               |     |                                    |
|-----------------------------------------------------------------|----------|-------|--------------------------|----------------|------------|----------------|----------------|-----------------|--------------|--------------|---------------|-----|------------------------------------|
| Gazetted Name:                                                  |          |       |                          |                |            |                |                |                 |              | Local: None  |               |     |                                    |
| Project Code: 480-000000-00000-00000-00000-000-000-000-000-0    |          |       |                          |                |            |                |                |                 |              |              |               |     |                                    |
| WS Code: 480-160900-43800-00000-00000-00000-000-000-000-000-000 |          |       |                          |                |            |                |                |                 |              |              |               |     |                                    |
| Waterbody ID:                                                   |          |       |                          | ILP Map #:     |            |                |                | ILP #:          |              | Reach #: 3 - |               |     |                                    |
| Project ID: 1550                                                |          |       |                          | Lake/Stream: S |            |                |                | Lake From Date: |              |              |               |     |                                    |
| Fish Permit #: 145084K                                          |          |       | Date: 2001/08/05         |                |            | To: 2001/08/05 |                |                 | Agency: C172 |              | Crew: JD/EL   |     | Resample: <input type="checkbox"/> |
| SITE / METHOD                                                   |          |       |                          |                |            |                |                |                 |              |              |               |     |                                    |
| Site#                                                           | NID Map  | NID # | UTM:Zone/East/North/Mthd |                |            | MTD/NO         |                | Temp            | Cond         | Turbid       | Comment       |     |                                    |
| 9                                                               | 093M.064 | 22009 |                          |                |            | GPU            | EF 1           | 8               | 50           | C            |               |     |                                    |
| 8                                                               | 093M.064 | 22008 |                          |                |            | GPU            | EF 1           | 8               | 50           | C            |               |     |                                    |
| A. GEAR SETTINGS                                                |          |       |                          |                |            |                |                |                 |              |              |               |     |                                    |
| Site#                                                           | MTD/NO   | H/P   | Date In                  | Time In        | Date Out   | Time Out       | Comment        |                 |              |              |               |     |                                    |
| 8                                                               | EF 1     | 1     | 2001/08/05               | 15:50          | 2001/08/05 | 16:20          |                |                 |              |              |               |     |                                    |
| 9                                                               | EF 1     | 1     | 2001/08/05               | 16:30          | 2001/08/05 | 16:50          |                |                 |              |              |               |     |                                    |
| C. ELECTROFISHER SPECIFICATIONS                                 |          |       |                          |                |            |                |                |                 |              |              |               |     |                                    |
| Site#                                                           | MTD/NO   | H/P   | Encl                     | Sec            | Length     | Width          | Voltage        | Frequency       | Pulse        | Make         | Model         |     |                                    |
| 8                                                               | EF       | 1     | 1                        | O              | 384        | 400.0          | 2.8            | 800             | 60           | 6            | SMITH<br>ROOT | 12B |                                    |
| 9                                                               | EF       | 1     | 1                        | O              | 262        | 200.0          | 3.0            | 800             | 60           | 6            | SMITH<br>ROOT | 12B |                                    |
| FISH SUMMARY                                                    |          |       |                          |                |            |                |                |                 |              |              |               |     |                                    |
| Site#                                                           | MTD/NO   | H/P   | Species                  | Stage          | Age        | Total #        | Lgth (Min/Max) | FishAct         | Comment      |              |               |     |                                    |
| 8                                                               | EF       | 1     | 1                        | NFC            |            | 0              |                |                 |              |              |               |     |                                    |
| 9                                                               | EF       | 1     | 1                        | NFC            |            | 0              |                |                 |              |              |               |     |                                    |





Site #8, Upstream photo of spanning LWD.  
Roll #1, Frame #15, Date: 2001/08/05



Site #8, Downstream photo of overstream vegetation.  
Roll #1, Frame #16, Date: 2001/08/05



# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Watershed Code: 480-160900-43800-00000-0000-0000-000-000-000-000

Reach # 3.0 ILP Map # ILP #  
3.0

| STREAM REFERENCING                                                                                                                                                                                                                     |  |                                                      |  |                                                         |  |                                            |  |                                          |        |                                                                    |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------|--|---------------------------------------------------------|--|--------------------------------------------|--|------------------------------------------|--------|--------------------------------------------------------------------|--|
| Gazetted Name:                                                                                                                                                                                                                         |  |                                                      |  |                                                         |  | Local Name:                                |  |                                          |        |                                                                    |  |
| Watershed Code: 480-160900-43800-00000-0000-0000-000-000-000-000                                                                                                                                                                       |  |                                                      |  |                                                         |  | ILP Map #:                                 |  |                                          | ILP #: |                                                                    |  |
| REACH                                                                                                                                                                                                                                  |  |                                                      |  |                                                         |  |                                            |  |                                          |        |                                                                    |  |
| Reach #: 3.0                                                                                                                                                                                                                           |  | UTM(Zone/East/North): 9.609120.6172550               |  |                                                         |  | Sample Type: Biased                        |  |                                          |        |                                                                    |  |
| Length (km): 3.02                                                                                                                                                                                                                      |  | Coupling: Partially Couple                           |  | Magnitude: 24                                           |  | BGC Zone: ESSF                             |  |                                          |        |                                                                    |  |
| Gradient (%): 3.0                                                                                                                                                                                                                      |  | Confinement: Occasionally Conf                       |  | Order: 3                                                |  | Open water: Absent                         |  |                                          |        |                                                                    |  |
| US Elev (m): 1183                                                                                                                                                                                                                      |  | Islands: NONE                                        |  | Riparian Vegetation: Coniferous                         |  |                                            |  |                                          |        |                                                                    |  |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |  |                                                      |  |                                                         |  |                                            |  |                                          |        |                                                                    |  |
| SITE                                                                                                                                                                                                                                   |  |                                                      |  |                                                         |  |                                            |  |                                          |        |                                                                    |  |
| Site #: 8                                                                                                                                                                                                                              |  | Field UTM 9.609664.6171508                           |  | Agency: C172                                            |  | Crew: JD/EL                                |  | Date: 2001/08/05                         |        |                                                                    |  |
| Site Length (m): 400                                                                                                                                                                                                                   |  | GIS UTM 9.609736.6171518                             |  | Agency Name: Triton Environmental Consultants (Terrace) |  |                                            |  |                                          |        |                                                                    |  |
| CHANNEL                                                                                                                                                                                                                                |  |                                                      |  |                                                         |  |                                            |  |                                          |        |                                                                    |  |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |  | Intermittent: <input type="checkbox"/>               |  |                                                         |  |                                            |  |                                          |        |                                                                    |  |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |  | Tribes.: <input type="checkbox"/>                    |  |                                                         |  |                                            |  |                                          |        |                                                                    |  |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |  |                                                      |  |                                                         |  |                                            |  |                                          |        |                                                                    |  |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |  |                                                      |  |                                                         |  |                                            |  |                                          |        |                                                                    |  |
| High <input type="checkbox"/>                                                                                                                                                                                                          |  |                                                      |  |                                                         |  |                                            |  |                                          |        |                                                                    |  |
| Temp (C): 8                                                                                                                                                                                                                            |  | pH: 8.2                                              |  | Conductivity: 50                                        |  | Turbidity: Turbid <input type="checkbox"/> |  | Low <input checked="" type="checkbox"/>  |        |                                                                    |  |
|                                                                                                                                                                                                                                        |  |                                                      |  |                                                         |  | Moderate <input type="checkbox"/>          |  | Clear <input type="checkbox"/>           |        |                                                                    |  |
| MORPHOLOGY                                                                                                                                                                                                                             |  |                                                      |  |                                                         |  |                                            |  |                                          |        |                                                                    |  |
| Bed Material: Dominant: Gravels                                                                                                                                                                                                        |  | D95 (cm): 46.00                                      |  | Bars: Non <input checked="" type="checkbox"/>           |  | Side <input type="checkbox"/>              |  | Diagonal <input type="checkbox"/>        |        | Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> |  |
| Subdominant: Cobble                                                                                                                                                                                                                    |  | D (cm): 7.00                                         |  |                                                         |  |                                            |  |                                          |        | Braid <input type="checkbox"/>                                     |  |
| Channel Pattern: Sinuous                                                                                                                                                                                                               |  | Islands: None                                        |  | DISTURBANCE                                             |  | O1                                         |  | B1                                       |        | B2 B3 D1 D2 D3                                                     |  |
| Coupling: Coupled                                                                                                                                                                                                                      |  |                                                      |  | INDICATORS                                              |  | <input type="checkbox"/>                   |  | <input type="checkbox"/>                 |        | <input type="checkbox"/>                                           |  |
| Confinement: Occasionally Confine                                                                                                                                                                                                      |  |                                                      |  |                                                         |  | C1                                         |  | C2                                       |        | C3 C4 C5 S1 S2 S3 S4 S5                                            |  |
| Morphology: RP Riffle Pool                                                                                                                                                                                                             |  |                                                      |  |                                                         |  | <input type="checkbox"/>                   |  | <input type="checkbox"/>                 |        | <input type="checkbox"/>                                           |  |
| COVER                                                                                                                                                                                                                                  |  |                                                      |  |                                                         |  |                                            |  |                                          |        |                                                                    |  |
| Total Cover: Abundant                                                                                                                                                                                                                  |  | Type: SWD LWD B U DP OV IV                           |  |                                                         |  |                                            |  |                                          |        |                                                                    |  |
| LWD: Few                                                                                                                                                                                                                               |  | Amount: T S S D S T N                                |  |                                                         |  |                                            |  |                                          |        |                                                                    |  |
| LWD Dist: Evenly Distributed                                                                                                                                                                                                           |  | Location: P/S/O: <input checked="" type="checkbox"/> |  | <input checked="" type="checkbox"/>                     |  | <input checked="" type="checkbox"/>        |  | <input checked="" type="checkbox"/>      |        | <input checked="" type="checkbox"/>                                |  |
|                                                                                                                                                                                                                                        |  |                                                      |  |                                                         |  |                                            |  |                                          |        | FSZ: <input type="checkbox"/>                                      |  |
| Right Bank: Shape: Undercut                                                                                                                                                                                                            |  | Texture: Fines <input checked="" type="checkbox"/>   |  | Gravel <input checked="" type="checkbox"/>              |  | Cobble <input type="checkbox"/>            |  | Boulder <input type="checkbox"/>         |        | Rock <input type="checkbox"/> Manmade <input type="checkbox"/>     |  |
| Left Bank: Shape: Undercut                                                                                                                                                                                                             |  | Texture: Fines <input checked="" type="checkbox"/>   |  | Gravel <input checked="" type="checkbox"/>              |  | Cobble <input type="checkbox"/>            |  | Boulder <input type="checkbox"/>         |        | Rock <input type="checkbox"/> Manmade <input type="checkbox"/>     |  |
| Right Bank: Rip.Veg: Coniferous                                                                                                                                                                                                        |  | Stage: Mature forest                                 |  |                                                         |  |                                            |  |                                          |        | Crown Closure 1-20%                                                |  |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |  | Stage: Mature forest                                 |  | Instream Veg: None <input type="checkbox"/>             |  | Algae <input checked="" type="checkbox"/>  |  | Moss <input checked="" type="checkbox"/> |        | Vascular <input checked="" type="checkbox"/>                       |  |

# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Watershed Code: 480-160900-43800-00000-0000-0000-000-000-000-000-000

Reach # ILP Map # ILP #  
3.0

| SITE                                    |                |                                                    |                   |                                                         |         |                                     |            |                                     |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                          |  |
|-----------------------------------------|----------------|----------------------------------------------------|-------------------|---------------------------------------------------------|---------|-------------------------------------|------------|-------------------------------------|---------------------|--------------------------------------|--|-------------------------------------|--|--------------------------------------------------------|--|-------------------------------------------|--|-------------------------------|--|-----------------------------------|--|--------------------------|--|
| Site #: 9                               |                | Field UTM ..                                       |                   | Agency: C172                                            |         | Crew: JD/EL                         |            | Date: 2001/08/05                    |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                          |  |
| Site Length (m): 200                    |                | GIS UTM 9.610482.6171121                           |                   | Agency Name: Triton Environmental Consultants (Terrace) |         |                                     |            |                                     |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                          |  |
| CHANNEL                                 |                |                                                    |                   |                                                         |         |                                     |            |                                     |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                          |  |
| No Vis.Ch.: <input type="checkbox"/>    |                | Intermittent: <input type="checkbox"/>             |                   | Avg                                                     |         | Min                                 |            | Max                                 |                     | #                                    |  | Avg                                 |  | Min                                                    |  | Max                                       |  | #                             |  |                                   |  |                          |  |
| Dewatered: <input type="checkbox"/>     |                | Tribes.: <input type="checkbox"/>                  |                   | Channel Width (m):                                      |         | 3.77                                |            | 3.1                                 |                     | 4.6                                  |  | 6                                   |  | Gradient %:                                            |  | 2.50                                      |  | 2                             |  | 3                                 |  | 4                        |  |
| Stage: Low <input type="checkbox"/>     |                |                                                    |                   | Wetted Width (m):                                       |         | 3.43                                |            | 3                                   |                     | 4                                    |  | 6                                   |  | Pool Depth (m):                                        |  | 0.50                                      |  | 0.400                         |  | 0.600                             |  | 6                        |  |
| Med <input checked="" type="checkbox"/> |                |                                                    |                   | Bankfull Depth (m):                                     |         | 0.57                                |            | 0.5                                 |                     | 0.6                                  |  | 3                                   |  |                                                        |  |                                           |  |                               |  |                                   |  |                          |  |
| High <input type="checkbox"/>           |                | Temp (C): 8                                        |                   | pH: 8.2                                                 |         |                                     |            |                                     |                     |                                      |  |                                     |  | Turbidity: Turbid <input type="checkbox"/>             |  | Low <input type="checkbox"/>              |  |                               |  |                                   |  |                          |  |
|                                         |                |                                                    |                   |                                                         |         |                                     |            |                                     |                     |                                      |  |                                     |  | Moderate <input type="checkbox"/>                      |  | Clear <input checked="" type="checkbox"/> |  |                               |  |                                   |  |                          |  |
| MORPHOLOGY                              |                |                                                    |                   |                                                         |         |                                     |            |                                     |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                          |  |
| Bed Material: Dominant: Gravels         |                | D95 (cm): 46.00                                    |                   | Bars: Non <input checked="" type="checkbox"/>           |         | Side <input type="checkbox"/>       |            | Diagonal <input type="checkbox"/>   |                     | Mid-channel <input type="checkbox"/> |  | Span <input type="checkbox"/>       |  |                                                        |  |                                           |  |                               |  |                                   |  |                          |  |
| Subdominant: Cobble                     |                | D (cm): 7.00                                       |                   |                                                         |         |                                     |            |                                     |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                          |  |
| Channel Pattern: Sinuous                |                | Islands: None                                      |                   | DISTURBANCE                                             |         | O1                                  |            | B1                                  |                     | B2                                   |  | B3                                  |  | D1                                                     |  | D2                                        |  | D3                            |  |                                   |  |                          |  |
| Coupling: Decoupled                     |                |                                                    |                   | INDICATORS                                              |         | <input type="checkbox"/>            |            | <input type="checkbox"/>            |                     | <input type="checkbox"/>             |  | <input type="checkbox"/>            |  | <input type="checkbox"/>                               |  | <input type="checkbox"/>                  |  | <input type="checkbox"/>      |  |                                   |  |                          |  |
| Confinement: Occasionally Confine       |                |                                                    |                   | C1                                                      |         | C2                                  |            | C3                                  |                     | C4                                   |  | C5                                  |  | S1                                                     |  | S2                                        |  | S3                            |  | S4                                |  | S5                       |  |
| Morphology: RP Riffle Pool              |                |                                                    |                   | <input type="checkbox"/>                                |         | <input type="checkbox"/>            |            | <input type="checkbox"/>            |                     | <input type="checkbox"/>             |  | <input type="checkbox"/>            |  | <input type="checkbox"/>                               |  | <input type="checkbox"/>                  |  | <input type="checkbox"/>      |  | <input type="checkbox"/>          |  | <input type="checkbox"/> |  |
| COVER                                   |                |                                                    |                   |                                                         |         |                                     |            |                                     |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                          |  |
| Total Cover: Abundant                   |                | Type: SWD                                          |                   | LWD                                                     |         | B                                   |            | U                                   |                     | DP                                   |  | OV                                  |  | IV                                                     |  |                                           |  |                               |  |                                   |  |                          |  |
| LWD: Few                                |                | Amount: T                                          |                   | S                                                       |         | T                                   |            | D                                   |                     | T                                    |  | S                                   |  | N                                                      |  |                                           |  |                               |  |                                   |  |                          |  |
| LWD Dist: Evenly Distributed            |                | Location: P/S/O:                                   |                   | <input checked="" type="checkbox"/>                     |         | <input checked="" type="checkbox"/> |            | <input checked="" type="checkbox"/> |                     | <input checked="" type="checkbox"/>  |  | <input checked="" type="checkbox"/> |  | <input checked="" type="checkbox"/>                    |  | <input type="checkbox"/>                  |  | FSZ: <input type="checkbox"/> |  |                                   |  |                          |  |
| Right Bank: Shape: Overhanging          |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input type="checkbox"/>                         |         | Cobble <input type="checkbox"/>     |            | Boulder <input type="checkbox"/>    |                     | Rock <input type="checkbox"/>        |  | Manmade <input type="checkbox"/>    |  | Crown Closure                                          |  |                                           |  |                               |  |                                   |  |                          |  |
| Left Bank: Shape: Overhanging           |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input type="checkbox"/>                         |         | Cobble <input type="checkbox"/>     |            | Boulder <input type="checkbox"/>    |                     | Rock <input type="checkbox"/>        |  | Manmade <input type="checkbox"/>    |  | 1-20%                                                  |  |                                           |  |                               |  |                                   |  |                          |  |
| Right Bank: Rip.Veg: Coniferous         |                | Stage: Mature forest                               |                   |                                                         |         |                                     |            |                                     |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                          |  |
| Left Bank: Rip.Veg:                     |                | Stage: Mature forest                               |                   |                                                         |         |                                     |            |                                     |                     |                                      |  |                                     |  | Instream Veg: None <input checked="" type="checkbox"/> |  | Algae <input type="checkbox"/>            |  | Moss <input type="checkbox"/> |  | Vascular <input type="checkbox"/> |  |                          |  |
| FISH                                    |                |                                                    |                   |                                                         |         |                                     |            |                                     |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                          |  |
| Site Number                             | Capture Method | Number of Events                                   | Length fished (m) | Total Time                                              | Voltage | Species                             | Total Fish | Minimum Length (mm)                 | Maximum Length (mm) |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                          |  |
| 8                                       | EF             | 1                                                  | 400               | 384 sec                                                 | 800     | NFC                                 | 0          |                                     |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                          |  |
| 9                                       | EF             | 1                                                  | 200               | 262 sec                                                 | 800     | NFC                                 | 0          |                                     |                     |                                      |  |                                     |  |                                                        |  |                                           |  |                               |  |                                   |  |                          |  |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-160900-43800-00000-00000-000-000-000-000-000-000

Reach # 3.0 ILP Map # ILP # Site 9

### PROJECT

Project Name: Shelagyote Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-00000-000-000-000-000-000-000-000  
Project Code: 1550

### WATERSHED

Gazetted Name: Watershed Code: 480-160900-43800-00000-00000-000-000-000-000-000-000-000  
ILP Map#: ILP #: NID Map #: 093M.064 NID #: 22009 Reach #: 3.0 Site #: 9  
Field UTM (Z.E.N): .. Method: Site Lg: 200 Method: HC Access: H  
GIS UTM (Z.E.N): 9.610482.6171121 Ref. Name:  
Date: 2001/08/05 Time: 16:30 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |            | Gadient % |     | Mtd | Avg  |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------------|-----------|-----|-----|------|
| Channel Width (m): | MS  | 3.60  | 4.10  | 3.20  | 4.60  | 4.00  | 3.10  |       |       |       |       | 3.77 | Method I:  | 3.0       | 2.0 | C   | 2.50 |
| Wetted Width (m):  | MS  | 3.10  | 4.00  | 3.00  | 4.00  | 3.50  | 3.00  |       |       |       |       | 3.43 | Method II: | 2.0       | 3.0 | C   |      |
| Pool Depth (m):    | MS  | 0.60  | 0.40  | 0.50  | 0.40  | 0.50  | 0.60  |       |       |       |       | 0.50 |            |           |     |     |      |

Wb Depth: .5 .6 .6 Avg: 0.57 Method: MS Stage: L ☐ M ☒ H ☐ No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                                   | U                                   | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | S                                   | T                                   | D                                   | T                                   | S                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

LWD: F DIST: E

LB SHP: O

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: C

STG: MF

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

RB SHP: O

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: C

STG: MF

### WATER

EMS: Temp: 8 Method: T4 Req #: Cond.: 50 Method: S3  
pH: 8.2 Method: P2 Method: GE  
Flood Signs: None Method: GE Turb.: T ☐ M ☐ L ☐ C ☒

### MORPHOLOGY

Bed Material: Dominant: G Subdom: C O1 B1 B2 B3 D1 D2 D3  
D95: 46.0 D (cm): 7.00 Morph: RP DISTURBANCE INDICATORS  
Pattern: SI C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: N  
Coupling: DC  
Confinement: OC  
FSZ: ☐ Bars: N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                           |
|--------------------|----------------------------------------------------|
| OverWinter Habitat | Overwintering habitat present                      |
| Rearing Habitat    | Moderate-abundant cover, LWD, and complexity       |
| Spawning Habitat   | Poor with small areas of suitable spawning gravels |

### PHOTOS

| Photo      | Foc Lg | Dir | Comments                       |
|------------|--------|-----|--------------------------------|
| R: 1 F: 17 | STD    | D   | Downstream photo of LWD        |
| R: 1 F: 18 | STD    | U   | Upstream photo of spanning LWD |

## Shelagyote River Planning Area

| Reach # | ILP Map # | ILP # | Site |
|---------|-----------|-------|------|
| 3.0     |           |       | 9    |

| COMMENTS |                    |
|----------|--------------------|
| Section  | Comments           |
| CHANNEL  | Barrier downstream |
| CHANNEL  | S5 Stream          |



# FDIS Fish Card

## Shelagyote River Planning Area

Watershed Code: 480-160900-43800-00000-00000-00000-000-000-000-000-000

Reach # 3.0  
ILP Map #  
ILP #

| WATERBODY                                                    |          |       |                          |                  |            |                |                |                |         |                 |            |                                    |  |
|--------------------------------------------------------------|----------|-------|--------------------------|------------------|------------|----------------|----------------|----------------|---------|-----------------|------------|------------------------------------|--|
| Gazetted Name:                                               |          |       |                          |                  |            |                |                |                |         | Local: None     |            |                                    |  |
| Project Code: 480-000000-00000-00000-00000-000-000-000-000-0 |          |       |                          |                  |            |                |                |                |         |                 |            |                                    |  |
| WS Code: 480-160900-43800-00000-00000-000-000-000-000-000    |          |       |                          |                  |            |                |                |                |         |                 |            |                                    |  |
| Waterbody ID:                                                |          |       |                          | ILP Map #:       |            |                |                | ILP #:         |         | Reach #: 3 -    |            |                                    |  |
| Project ID: 1550                                             |          |       |                          |                  |            |                |                | Lake/Stream: S |         | Lake From Date: |            |                                    |  |
| Fish Permit #: 145084K                                       |          |       |                          | Date: 2001/08/05 |            | To: 2001/08/05 |                | Agency: C172   |         | Crew: JD/EL     |            | Resample: <input type="checkbox"/> |  |
| SITE / METHOD                                                |          |       |                          |                  |            |                |                |                |         |                 |            |                                    |  |
| Site#                                                        | NID Map  | NID # | UTM:Zone/East/North/Mthd |                  |            | MTD/NO         | Temp           | Cond           | Turbid  | Comment         |            |                                    |  |
| 9                                                            | 093M.064 | 22009 |                          |                  |            | GPU EF 1       | 8              | 50             | C       |                 |            |                                    |  |
| 8                                                            | 093M.064 | 22008 |                          |                  |            | GPU EF 1       | 8              | 50             | C       |                 |            |                                    |  |
| A. GEAR SETTINGS                                             |          |       |                          |                  |            |                |                |                |         |                 |            |                                    |  |
| Site#                                                        | MTD/NO   | H/P   | Date In                  | Time In          | Date Out   | Time Out       | Comment        |                |         |                 |            |                                    |  |
| 8                                                            | EF       | 1     | 2001/08/05               | 15:50            | 2001/08/05 | 16:20          |                |                |         |                 |            |                                    |  |
| 9                                                            | EF       | 1     | 2001/08/05               | 16:30            | 2001/08/05 | 16:50          |                |                |         |                 |            |                                    |  |
| C. ELECTROFISHER SPECIFICATIONS                              |          |       |                          |                  |            |                |                |                |         |                 |            |                                    |  |
| Site#                                                        | MTD/NO   | H/P   | Encl                     | Sec              | Length     | Width          | Voltage        | Frequency      | Pulse   | Make            | Model      |                                    |  |
| 8                                                            | EF       | 1     | 1                        | O                | 384        | 400.0          | 2.8            | 800            | 60      | 6               | SMITH ROOT | 12B                                |  |
| 9                                                            | EF       | 1     | 1                        | O                | 262        | 200.0          | 3.0            | 800            | 60      | 6               | SMITH ROOT | 12B                                |  |
| FISH SUMMARY                                                 |          |       |                          |                  |            |                |                |                |         |                 |            |                                    |  |
| Site#                                                        | MTD/NO   | H/P   | Species                  | Stage            | Age        | Total #        | Lgth (Min/Max) | FishAct        | Comment |                 |            |                                    |  |
| 8                                                            | EF       | 1     | 1                        | NFC              |            | 0              |                |                |         |                 |            |                                    |  |
| 9                                                            | EF       | 1     | 1                        | NFC              |            | 0              |                |                |         |                 |            |                                    |  |





Site #9, Downstream photo of LWD.  
Roll #1, Frame #17, Date: 2001/08/05



Site #9, Upstream photo of spanning LWD.  
Roll #1, Frame #18, Date: 2001/08/05



# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Watershed Code: 480-195700-29500-00000-0000-0000-000-000-000-000-000

Reach # ILP Map # ILP #  
4.0

### STREAM REFERENCING

Gazetted Name: Local Name:  
Watershed Code: 480-195700-29500-00000-0000-0000-000-000-000-000-000 ILP Map #: ILP #:

### REACH

Reach #: 4.0 UTM(Zone/East/North): 9.606047.6177027 Sample Type: Biased  
Length (km): 2.42 Coupling: Coupled Magnitude: 80 BGC Zone: SBS  
Gradient (%): 6.6 Confinement: Confined Order: 4 Open water: Absent  
US Elev (m): 1071 Islands: NONE Riparian Vegetation: Coniferous  
Bars: None ☒ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: None/natural

### SITE

Site #: 10 Field UTM .. Agency: C172 Crew: JD/EL Date: 2001/08/06  
Site Length (m): 300 GIS UTM 9.607865.6176314 Agency Name: Triton Environmental Consultants (Terrace)

### CHANNEL

No Vis.Ch.: ☐ Intermittent: ☐  
Dewatered: ☐ Tribs.: ☐  
Stage: Low ☐ Med ☒ High ☐  
Temp (C): 6 pH: 8.1 Conductivity: 40  
Turbidity: Turbid ☐ Low ☐  
Moderate ☐ Clear ☒

|                     | Avg   | Min | Max | # |
|---------------------|-------|-----|-----|---|
| Channel Width (m):  | 18.50 | 14  | 25  | 6 |
| Wetted Width (m):   | 7.00  | 5   | 10  | 6 |
| Bankfull Depth (m): | 0.87  | 0.8 | 0.9 | 3 |

|                 | Avg  | Min  | Max  | # |
|-----------------|------|------|------|---|
| Gradient %:     | 5.00 | 6    | 6    | 4 |
| Pool Depth (m): | 0.58 | 0.48 | 0.63 | 6 |

### MORPHOLOGY

Bed Material: Dominant: Cobble D95 (cm): 85.00 Bars: Non ☐ Side ☒ Diagonal ☐ Mid-channel ☒ Span ☐  
Subdominant: Boulders D (cm): 40.00 Braid ☐  
Channel Pattern: Irregular, Wandering Islands: None  
Coupling: Coupled DISTURBANCE INDICATORS O1 B1 B2 B3 D1 D2 D3  
Confinement: Confined C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Morphology: CP Cascade Pool

### COVER

Total Cover: Abundant  
LWD: Few  
LWD Dist: Clumped  
Type: SWD LWD B U DP OV IV  
Amount: T T D N S T N  
Location: P/S/O: ☒ ☒ ☒ ☐ ☐ ☒ ☒ ☐ FSZ: ☐  
Right Bank: Shape: V - shape Texture: Fines ☐ Gravel ☒ Cobble ☒ Boulder ☐ Rock ☐ Manmade ☐  
Left Bank: Shape: Sloping (g) Texture: Fines ☐ Gravel ☐ Cobble ☒ Boulder ☒ Rock ☐ Manmade ☐  
Right Bank: Rip.Veg: Deciduous Stage: Pole-sapling stage  
Left Bank: Rip.Veg: Stage: Pole-sapling stage Instream Veg: None ☒ Algae ☐ Moss ☐ Vascular ☐  
Crown Closure 1-20%

### FEATURES

| NID Map  | NID   | Type | Hgt | Method | Lg | Method | Photo         | AirPhoto | UTM (Z/E/N)   |
|----------|-------|------|-----|--------|----|--------|---------------|----------|---------------|
| 093M.074 | 88025 | F    | 5.0 | GE     |    | HC     | R: 1 F: 22 L: | #:       | 9.608400.6176 |

Comments: UTM and photo from helicopter

### FISH

| Site Number | Capture Method | Number of Events | Length fished (m) | Total Time | Voltage | Species | Total Fish | Minimum Length (mm) | Maximum Length (mm) |
|-------------|----------------|------------------|-------------------|------------|---------|---------|------------|---------------------|---------------------|
| 10          | EF             | 1                | 300               | 384 sec    | 900     | NFC     | 0          |                     |                     |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-29500-00000-0000-0000-000-000-000-000

Reach # 4.0 ILP Map # ILP # Site 10

### PROJECT

Project Name: Shelagyote Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000  
Project Code: 1550

### WATERSHED

Gazetted Name: Watershed Code: 480-195700-29500-00000-0000-0000-000-000-000-000-000  
ILP Map #: ILP #: NID Map #: 093M.074 NID #: 22010 Reach #: 4.0 Site #: 10  
Field UTM (Z.E.N): .. Method: Site Lg: 300 Method: HC Access: H  
GIS UTM (Z.E.N): 9.607865.6176314 Ref. Name:  
Date: 2001/08/06 Time: 09:00 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg   |            | Gadient % |     | Mtd | Avg  |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|-----------|-----|-----|------|
| Channel Width (m): | GE  | 25.00 | 14.00 | 20.00 | 17.00 | 15.00 | 20.00 |       |       |       |       | 18.50 | Method I:  | 5.0       | 6.0 | C   | 5.00 |
| Wetted Width (m):  | GE  | 6.00  | 8.00  | 10.00 | 7.00  | 5.00  | 6.00  |       |       |       |       | 7.00  | Method II: | 4.0       | 5.0 | C   |      |
| Pool Depth (m):    | MS  | 0.61  | 0.56  | 0.48  | 0.62  | 0.59  | 0.63  |       |       |       |       | 0.58  |            |           |     |     |      |

Wb Depth: .9 .8 .9 Avg: 0.87 Method: MS Stage: L ☐ M ☒ H ☐ No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                                   | U                        | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | T                                   | D                                   | N                        | S                                   | T                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

LWD: F DIST: C

LB SHP: S

Texture: F ☐ G ☐ C ☒ B ☒ R ☐ A ☐

RIP: D

STG: PS

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

RB SHP: V

Texture: F ☐ G ☒ C ☒ B ☐ R ☐ A ☐

RIP: D

STG: PS

### WATER

EMS: Temp: 6 Method: T4 Req #: Cond.: 40 Method: S3  
pH: 8.1 Method: P2 Method: GE  
Flood Signs: Rafted debris Method: GE  
Turb.: T ☐ M ☐ L ☐ C ☒

### MORPHOLOGY

Bed Material: Dominant: C Subdom: B O1 B1 B2 B3 D1 D2 D3  
D95: 85.0 D (cm): 40.00 Morph: CP DISTURBANCE INDICATORS  
Pattern: IR C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: N  
Coupling: CO  
Confinement: CO  
FSZ: ☐ Bars: N ☐ SIDE ☒ DIAG ☐ MID ☒ SPAN ☐ BR ☐

### FEATURES

| NID Map  | NID   | Type | Hgt | Method | Lg | Method | Photo            | AirPhoto | UTM (Z/E/N)      | Method |
|----------|-------|------|-----|--------|----|--------|------------------|----------|------------------|--------|
| 093M.074 | 88025 | F    | 5.0 | GE     |    | HC     | R: 1 F: 22 L: #: |          | 9.608400.6176441 | GIS    |

Comments: UTM and photo from helicopter

### HABITAT QUALITY

| Name               | Comments                                                          |
|--------------------|-------------------------------------------------------------------|
| OverWinter Habitat | Overwintering habitat present                                     |
| Spawning Habitat   | Poor-pockets of suitable gravel, majority of substrates are large |
| Rearing Habitat    | Moderate-cascade/pool habitat, deep pools, abundant cover         |



## Shelagyote River Planning Area

| Reach # | ILP Map # | ILP # | Site |
|---------|-----------|-------|------|
| 4.0     |           |       | 10   |

| PHOTOS |   |        |    |     |          |                                            |
|--------|---|--------|----|-----|----------|--------------------------------------------|
| Photo  |   | Foc Lg |    | Dir | Comments |                                            |
| R:     | 1 | F:     | 19 | STD | U        | Upstream photo of cascade habitat          |
| R:     | 1 | F:     | 20 | STD | D        | Downstream photo of representative habitat |
| R:     | 1 | F:     | 21 | STD | D        | Downstream photo of helicopter on bar      |
| R:     | 1 | F:     | 22 | STD | U        | Photo of 5 m falls in canyon (Reach 3)     |

| COMMENTS |                               |
|----------|-------------------------------|
| Section  | Comments                      |
| CHANNEL  | Barrier downstream in Reach 3 |
| CHANNEL  | S5 Stream                     |

# FDIS Fish Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-29500-00000-00000-0000-000-000-000-000-000

Reach # 4.0  
ILP Map #  
ILP #

| WATERBODY                                                   |          |         |                          |                  |                |                |                |              |         |                 |               |                                    |  |
|-------------------------------------------------------------|----------|---------|--------------------------|------------------|----------------|----------------|----------------|--------------|---------|-----------------|---------------|------------------------------------|--|
| Gazetted Name:                                              |          |         |                          |                  |                |                |                |              |         | Local: None     |               |                                    |  |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-0 |          |         |                          |                  |                |                |                |              |         |                 |               |                                    |  |
| WS Code: 480-195700-29500-00000-0000-000-000-000-000-000    |          |         |                          |                  |                |                |                |              |         |                 |               |                                    |  |
| Waterbody ID:                                               |          |         |                          |                  | ILP Map #:     |                |                |              |         | ILP #:          |               | Reach #: 4 -                       |  |
| Project ID: 1550                                            |          |         |                          |                  | Lake/Stream: S |                |                |              |         | Lake From Date: |               |                                    |  |
| Fish Permit #:                                              |          | 145084K |                          | Date: 2001/08/06 |                | To: 2001/08/06 |                | Agency: C172 |         | Crew: JD/EL     |               | Resample: <input type="checkbox"/> |  |
| SITE / METHOD                                               |          |         |                          |                  |                |                |                |              |         |                 |               |                                    |  |
| Site#                                                       | NID Map  | NID #   | UTM:Zone/East/North/Mthd |                  |                | MTD/NO         | Temp           | Cond         | Turbid  | Comment         |               |                                    |  |
| 10                                                          | 093M.074 | 22010   |                          |                  |                | GPU EF 1       | 6              | 40           | C       |                 |               |                                    |  |
| A. GEAR SETTINGS                                            |          |         |                          |                  |                |                |                |              |         |                 |               |                                    |  |
| Site#                                                       | MTD/NO   | H/P     | Date In                  | Time In          | Date Out       | Time Out       | Comment        |              |         |                 |               |                                    |  |
| 10                                                          | EF 1     | 1       | 2001/08/06               | 09:00            | 2001/08/06     | 09:40          |                |              |         |                 |               |                                    |  |
| C. ELECTROFISHER SPECIFICATIONS                             |          |         |                          |                  |                |                |                |              |         |                 |               |                                    |  |
| Site#                                                       | MTD/NO   | H/P     | Encl                     | Sec              | Length         | Width          | Voltage        | Frequency    | Pulse   | Make            | Model         |                                    |  |
| 10                                                          | EF       | 1       | 1                        | O                | 384            | 300.0          | 8.0            | 900          | 60      | 6               | SMITH<br>ROOT | 12B                                |  |
| FISH SUMMARY                                                |          |         |                          |                  |                |                |                |              |         |                 |               |                                    |  |
| Site#                                                       | MTD/NO   | H/P     | Species                  | Stage            | Age            | Total #        | Lgth (Min/Max) | FishAct      | Comment |                 |               |                                    |  |
| 10                                                          | EF       | 1       | 1                        | NFC              |                | 0              |                |              |         |                 |               |                                    |  |





Site #10, Upstream photo of cascade habitat.  
Roll #1, Frame #19, Date: 2001/08/06



Site #10, Downstream photo of representative habitat.  
Roll #1, Frame #20, Date: 2001/08/06





Site #10, Downstream photo of helicopter on bar.  
Roll #1, Frame #21, Date: 2001/08/06



Site #10, Photo of 5 m falls in canyon (Reach 3).  
Roll #1, Frame #22, Date: 2001/08/06



# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Watershed Code: 480-195700-29500-00000-0000-0000-000-000-000-000

Reach # ILP Map # ILP #  
2.0

| STREAM REFERENCING                                                                                                                                                                                                                     |  |                                         |  |                                                         |  |                                            |  |                                           |        |                                                                    |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------|--|---------------------------------------------------------|--|--------------------------------------------|--|-------------------------------------------|--------|--------------------------------------------------------------------|--|
| Gazetted Name:                                                                                                                                                                                                                         |  |                                         |  |                                                         |  | Local Name:                                |  |                                           |        |                                                                    |  |
| Watershed Code: 480-195700-29500-00000-0000-0000-000-000-000-000                                                                                                                                                                       |  |                                         |  |                                                         |  | ILP Map #:                                 |  |                                           | ILP #: |                                                                    |  |
| REACH                                                                                                                                                                                                                                  |  |                                         |  |                                                         |  |                                            |  |                                           |        |                                                                    |  |
| Reach #: 2.0                                                                                                                                                                                                                           |  | UTM(Zone/East/North): 9.609286.6176683  |  |                                                         |  | Sample Type: Biased                        |  |                                           |        |                                                                    |  |
| Length (km): 1.06                                                                                                                                                                                                                      |  | Coupling: Partially Couple              |  | Magnitude: 103                                          |  | BGC Zone: SBS                              |  |                                           |        |                                                                    |  |
| Gradient (%): 5.1                                                                                                                                                                                                                      |  | Confinement: Confined                   |  | Order: 4                                                |  | Open water: Absent                         |  |                                           |        |                                                                    |  |
| US Elev (m): 786                                                                                                                                                                                                                       |  | Islands: NONE                           |  | Riparian Vegetation: Coniferous                         |  |                                            |  |                                           |        |                                                                    |  |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |  |                                         |  |                                                         |  |                                            |  |                                           |        |                                                                    |  |
| SITE                                                                                                                                                                                                                                   |  |                                         |  |                                                         |  |                                            |  |                                           |        |                                                                    |  |
| Site #: 11                                                                                                                                                                                                                             |  | Field UTM 9.609460.6176640              |  | Agency: C172                                            |  | Crew: JD/EL                                |  | Date: 2001/08/06                          |        |                                                                    |  |
| Site Length (m): 230                                                                                                                                                                                                                   |  | GIS UTM 9.609596.6176595                |  | Agency Name: Triton Environmental Consultants (Terrace) |  |                                            |  |                                           |        |                                                                    |  |
| CHANNEL                                                                                                                                                                                                                                |  |                                         |  |                                                         |  |                                            |  |                                           |        |                                                                    |  |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |  | Intermittent: <input type="checkbox"/>  |  | Avg                                                     |  | Min                                        |  | Max                                       |        | #                                                                  |  |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |  | Tribes: <input type="checkbox"/>        |  | Channel Width (m):                                      |  | 21.50                                      |  | 20                                        |        | 23 6                                                               |  |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |  |                                         |  | Wetted Width (m):                                       |  | 8.00                                       |  | 6                                         |        | 10 6                                                               |  |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |  |                                         |  | Bankfull Depth (m):                                     |  | 0.80                                       |  | 0.8                                       |        | 0.8 3                                                              |  |
| High <input type="checkbox"/>                                                                                                                                                                                                          |  | Temp (C): 5                             |  | pH: 8.0                                                 |  | Conductivity: 40                           |  |                                           |        |                                                                    |  |
|                                                                                                                                                                                                                                        |  |                                         |  |                                                         |  | Avg                                        |  | Min                                       |        | Max #                                                              |  |
|                                                                                                                                                                                                                                        |  |                                         |  |                                                         |  | Gradient %:                                |  | 6.25                                      |        | 6 7 4                                                              |  |
|                                                                                                                                                                                                                                        |  |                                         |  |                                                         |  | Pool Depth (m):                            |  | 0.40                                      |        | 0.300 0.5 6                                                        |  |
|                                                                                                                                                                                                                                        |  |                                         |  |                                                         |  | Turbidity: Turbid <input type="checkbox"/> |  | Low <input type="checkbox"/>              |        |                                                                    |  |
|                                                                                                                                                                                                                                        |  |                                         |  |                                                         |  | Moderate <input type="checkbox"/>          |  | Clear <input checked="" type="checkbox"/> |        |                                                                    |  |
| MORPHOLOGY                                                                                                                                                                                                                             |  |                                         |  |                                                         |  |                                            |  |                                           |        |                                                                    |  |
| Bed Material: Dominant: Cobble                                                                                                                                                                                                         |  | D95 (cm): 112.00                        |  | Bars: Non <input type="checkbox"/>                      |  | Side <input checked="" type="checkbox"/>   |  | Diagonal <input type="checkbox"/>         |        | Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> |  |
| Subdominant: Boulders                                                                                                                                                                                                                  |  | D (cm): 28.00                           |  |                                                         |  |                                            |  |                                           |        | Braid <input type="checkbox"/>                                     |  |
| Channel Pattern: Sinuous                                                                                                                                                                                                               |  | Islands: None                           |  | DISTURBANCE                                             |  | O1                                         |  | B1                                        |        | B2 B3 D1 D2 D3                                                     |  |
| Coupling: Coupled                                                                                                                                                                                                                      |  |                                         |  | INDICATORS                                              |  | <input type="checkbox"/>                   |  | <input type="checkbox"/>                  |        | <input type="checkbox"/>                                           |  |
| Confinement: Occasionally Confine                                                                                                                                                                                                      |  |                                         |  | C1                                                      |  | C2                                         |  | C3                                        |        | C4 C5 S1 S2 S3 S4 S5                                               |  |
| Morphology: CP Cascade Pool                                                                                                                                                                                                            |  |                                         |  | <input type="checkbox"/>                                |  | <input type="checkbox"/>                   |  | <input type="checkbox"/>                  |        | <input type="checkbox"/>                                           |  |
| COVER                                                                                                                                                                                                                                  |  |                                         |  |                                                         |  |                                            |  |                                           |        |                                                                    |  |
| Total Cover: Abundant                                                                                                                                                                                                                  |  | Type: SWD                               |  | LWD                                                     |  | B                                          |  | U                                         |        | DP OV IV                                                           |  |
| LWD: Few                                                                                                                                                                                                                               |  | Amount: N                               |  | T                                                       |  | D                                          |  | N                                         |        | S T N                                                              |  |
| LWD Dist: Evenly Distributed                                                                                                                                                                                                           |  | Location: P/S/O:                        |  | <input type="checkbox"/>                                |  | <input checked="" type="checkbox"/>        |  | <input checked="" type="checkbox"/>       |        | <input type="checkbox"/>                                           |  |
|                                                                                                                                                                                                                                        |  |                                         |  | <input type="checkbox"/>                                |  | <input type="checkbox"/>                   |  | <input checked="" type="checkbox"/>       |        | <input checked="" type="checkbox"/>                                |  |
| Right Bank: Shape: Sloping (g)                                                                                                                                                                                                         |  | Texture: Fines <input type="checkbox"/> |  | Gravel <input checked="" type="checkbox"/>              |  | Cobble <input checked="" type="checkbox"/> |  | Boulder <input type="checkbox"/>          |        | Rock <input type="checkbox"/> Manmade <input type="checkbox"/>     |  |
| Left Bank: Shape: Sloping (g)                                                                                                                                                                                                          |  | Texture: Fines <input type="checkbox"/> |  | Gravel <input checked="" type="checkbox"/>              |  | Cobble <input checked="" type="checkbox"/> |  | Boulder <input type="checkbox"/>          |        | Rock <input type="checkbox"/> Manmade <input type="checkbox"/>     |  |
| Right Bank: Rip.Veg: Shrubs                                                                                                                                                                                                            |  | Stage: Mature forest                    |  |                                                         |  |                                            |  |                                           |        | Crown Closure 1-20%                                                |  |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |  | Stage: Mature forest                    |  |                                                         |  |                                            |  |                                           |        |                                                                    |  |
|                                                                                                                                                                                                                                        |  |                                         |  | Instream Veg: None <input checked="" type="checkbox"/>  |  | Algae <input type="checkbox"/>             |  | Moss <input type="checkbox"/>             |        | Vascular <input type="checkbox"/>                                  |  |

## Shelagvote River Planning Area

Watershed Code: 480-195700-29500-00000-0000-0000-000-000-000-000-000

| Reach # | ILP Map # | ILP # |
|---------|-----------|-------|
|---------|-----------|-------|

2.0

| SITE                                    |                |                                                        |                   |                                                         |         |                                             |            |                                           |                     |
|-----------------------------------------|----------------|--------------------------------------------------------|-------------------|---------------------------------------------------------|---------|---------------------------------------------|------------|-------------------------------------------|---------------------|
| Site #: 249                             |                | Field UTM ..                                           |                   | Agency: C172                                            |         | Crew: DT/JA                                 |            | Date: 2001/08/20                          |                     |
| Site Length (m): 200                    |                | GIS UTM 9.610008.6176637                               |                   | Agency Name: Triton Environmental Consultants (Terrace) |         |                                             |            |                                           |                     |
| CHANNEL                                 |                |                                                        |                   |                                                         |         |                                             |            |                                           |                     |
| No Vis.Ch.: <input type="checkbox"/>    |                | Intermittent: <input type="checkbox"/>                 |                   | Avg                                                     |         | Min                                         |            | Max                                       |                     |
| Dewatered: <input type="checkbox"/>     |                | Tribes.: <input type="checkbox"/>                      |                   | Channel Width (m): 7.50                                 |         | 6                                           |            | 9                                         |                     |
| Stage: Low <input type="checkbox"/>     |                |                                                        |                   | Wetted Width (m): 3.28                                  |         | 2.8                                         |            | 4                                         |                     |
| Med <input checked="" type="checkbox"/> |                |                                                        |                   | Bankfull Depth (m): 0.93                                |         | 0.7                                         |            | 1.2                                       |                     |
| High <input type="checkbox"/>           |                | Temp (C): 5                                            |                   | pH: 7.1                                                 |         | Conductivity: 30                            |            |                                           |                     |
|                                         |                |                                                        |                   |                                                         |         | Turbidity.: Turbid <input type="checkbox"/> |            | Low <input type="checkbox"/>              |                     |
|                                         |                |                                                        |                   |                                                         |         | Moderate <input type="checkbox"/>           |            | Clear <input checked="" type="checkbox"/> |                     |
| MORPHOLOGY                              |                |                                                        |                   |                                                         |         |                                             |            |                                           |                     |
| Bed Material: Dominant: Cobble          |                | D95 (cm): 45.00                                        |                   | Bars: Non <input type="checkbox"/>                      |         | Side <input checked="" type="checkbox"/>    |            | Diagonal <input type="checkbox"/>         |                     |
| Subdominant: Gravels                    |                | D (cm): 13.00                                          |                   |                                                         |         | Mid-channel <input type="checkbox"/>        |            | Span <input type="checkbox"/>             |                     |
| Channel Pattern: Sinuous                |                | Islands: Occasional                                    |                   | DISTURBANCE                                             |         | O1                                          |            | B1                                        |                     |
| Coupling: Decoupled                     |                |                                                        |                   | INDICATORS                                              |         | B2                                          |            | B3                                        |                     |
| Confinement: Unconfined                 |                |                                                        |                   |                                                         |         | D1                                          |            | D2                                        |                     |
| Morphology: CP Cascade Pool             |                |                                                        |                   |                                                         |         | D3                                          |            |                                           |                     |
|                                         |                |                                                        |                   | C1                                                      |         | C2                                          |            | C3                                        |                     |
|                                         |                |                                                        |                   | C4                                                      |         | C5                                          |            | S1                                        |                     |
|                                         |                |                                                        |                   | S2                                                      |         | S3                                          |            | S4                                        |                     |
|                                         |                |                                                        |                   | S5                                                      |         |                                             |            |                                           |                     |
| COVER                                   |                |                                                        |                   |                                                         |         |                                             |            |                                           |                     |
| Total Cover: Moderate                   |                | Type: SWD                                              |                   | LWD                                                     |         | B                                           |            | U                                         |                     |
| LWD: Few                                |                | Amount: S                                              |                   | D                                                       |         | T                                           |            | T                                         |                     |
| LWD Dist: Evenly Distributed            |                | Location: P/S/O: <input checked="" type="checkbox"/>   |                   | <input checked="" type="checkbox"/>                     |         | <input checked="" type="checkbox"/>         |            | <input checked="" type="checkbox"/>       |                     |
|                                         |                | <input checked="" type="checkbox"/>                    |                   | <input checked="" type="checkbox"/>                     |         | <input checked="" type="checkbox"/>         |            | <input checked="" type="checkbox"/>       |                     |
| Right Bank: Shape: V - shape            |                | Texture: Fines <input type="checkbox"/>                |                   | Gravel <input checked="" type="checkbox"/>              |         | Cobble <input type="checkbox"/>             |            | Boulder <input type="checkbox"/>          |                     |
| Left Bank: Shape: Undercut              |                | Texture: Fines <input type="checkbox"/>                |                   | Gravel <input checked="" type="checkbox"/>              |         | Cobble <input type="checkbox"/>             |            | Boulder <input type="checkbox"/>          |                     |
| Right Bank: Rip.Veg: Mixed C/D          |                | Stage: Mature forest                                   |                   |                                                         |         |                                             |            |                                           |                     |
| Left Bank: Rip.Veg:                     |                | Stage: Mature forest                                   |                   |                                                         |         |                                             |            |                                           |                     |
|                                         |                | Instream Veg: None <input checked="" type="checkbox"/> |                   | Algae <input type="checkbox"/>                          |         | Moss <input type="checkbox"/>               |            | Vascular <input type="checkbox"/>         |                     |
| FISH                                    |                |                                                        |                   |                                                         |         |                                             |            |                                           |                     |
| Site Number                             | Capture Method | Number of Events                                       | Length fished (m) | Total Time                                              | Voltage | Species                                     | Total Fish | Minimum Length (mm)                       | Maximum Length (mm) |
| 11                                      | EF             | 1                                                      | 230               | 278 sec                                                 | 700     | RB                                          | 5          | 73                                        | 209                 |
| 11                                      | EF             | 1                                                      | 230               | 278 sec                                                 | 700     | DV                                          | 2          | 62                                        | 84                  |
| 11                                      | EF             | 1                                                      | 230               | 278 sec                                                 | 700     | BT                                          | 4          | 66                                        | 91                  |



# FDIS Site Card

## Shelagoyte River Planning Area

Watershed Code: 480-195700-29500-00000-00000-00000-00000-00000-00000-00000

Reach # 2.0 ILP Map # ILP # Site 11

### PROJECT

Project Name: Shelagoyte Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-00000-00000-00000-00000-00000-00000

Project Code: 1550

### WATERSHED

Gazetted Name: Watershed Code: 480-195700-29500-00000-00000-00000-00000-00000-00000-00000  
ILP Map#: ILP #: NID Map #: 093M.074 NID #: 22011 Reach #: 2.0 Site #: 11  
Field UTM (Z.E.N): 9.609460.6176640 Method: GPU Site Lg: 230 Method: GE Access: H  
GIS UTM (Z.E.N): 9.609596.6176595 Ref. Name:  
Date: 2001/08/06 Time: 09:55 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg   |            | Gadient % |     | Mtd | Avg  |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|-----------|-----|-----|------|
| Channel Width (m): | GE  | 21.00 | 23.00 | 20.00 | 21.00 | 22.00 | 22.00 |       |       |       |       | 21.50 | Method I:  | 6.0       | 7.0 | C   | 6.25 |
| Wetted Width (m):  | GE  | 8.00  | 9.00  | 6.00  | 7.00  | 10.00 | 8.00  |       |       |       |       | 8.00  | Method II: | 6.0       | 6.0 | C   |      |
| Pool Depth (m):    | MS  | 0.50  | 0.50  | 0.40  | 0.30  | 0.30  | 0.40  |       |       |       |       | 0.40  |            |           |     |     |      |

Wb Depth: .8 .8 .8 Avg: 0.80 Method: GE Stage: L ☐ M ☒ H ☐ No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                      | LWD                                 | B                                   | U                        | DP                                  | OV                                  | IV                       |
|-------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | N                        | T                                   | D                                   | N                        | S                                   | T                                   | N                        |
| Loc: P/S/O: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

LWD: F DIST: E

LB SHP: S

Texture: F ☐ G ☒ C ☒ B ☐ R ☐ A ☐

RIP: S

STG: MF

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

RB SHP: S

Texture: F ☐ G ☒ C ☒ B ☐ R ☐ A ☐

RIP: S

STG: MF

### WATER

EMS: Temp: 5 Method: T4 Req #: Cond.: 40 Method: S3  
pH: 8.0 Method: P2 Method: GE  
Flood Signs: None observed Method: GE Turb.: T ☐ M ☐ L ☐ C ☒

### MORPHOLOGY

Bed Material: Dominant: C Subdom: B O1 B1 B2 B3 D1 D2 D3  
D95: 112.0 D (cm): 28.00 Morph: CP DISTURBANCE INDICATORS  
Pattern: SI C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: N  
Coupling: CO  
Confinement: OC  
FSZ: ☐ Bars: N ☐ SIDE ☒ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                                          |
|--------------------|-------------------------------------------------------------------|
| OverWinter Habitat | Moderate-present in deep pools                                    |
| Cover              | Moderate-good boulder and cobble cover                            |
| Rearing Habitat    | Moderate-high energy stream with sections of slower water         |
| Spawning Habitat   | Poor-some gravel bars on margins (can only be used in high water) |

### PHOTOS

| Photo      | Foc Lg | Dir | Comments                                                        |
|------------|--------|-----|-----------------------------------------------------------------|
| R: 1 F: 23 | STD    | U   | Upstream photo of cascade pools with some overstream vegetation |
| R: 1 F: 24 | STD    | D   | Downstream photo of cascade section with helicopter             |

# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-29500-00000-0000-0000-000-000-000-000-000

Reach #

ILP Map #

ILP #

Site

2.0

11

| COMMENTS |                     |
|----------|---------------------|
| Section  | Comments            |
| CHANNEL  | BT, DV, RB captured |



# FDIS Fish Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-29500-00000-00000-000-000-000-000-000

Reach # 2.0  
ILP Map #  
ILP #

| WATERBODY                                                   |          |       |                          |         |                |                |                |           |              |                                 |                |             |        |        |                                    |  |
|-------------------------------------------------------------|----------|-------|--------------------------|---------|----------------|----------------|----------------|-----------|--------------|---------------------------------|----------------|-------------|--------|--------|------------------------------------|--|
| Gazetted Name:                                              |          |       |                          |         |                |                |                |           |              | Local: None                     |                |             |        |        |                                    |  |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-0 |          |       |                          |         |                |                |                |           |              |                                 |                |             |        |        |                                    |  |
| WS Code: 480-195700-29500-00000-0000-000-000-000-000-000    |          |       |                          |         |                |                |                |           |              |                                 |                |             |        |        |                                    |  |
| Waterbody ID:                                               |          |       |                          |         | ILP Map #:     |                |                |           |              | ILP #:                          |                |             |        |        |                                    |  |
| Project ID: 1550                                            |          |       |                          |         | Lake/Stream: S |                |                |           |              | Reach #: 2 -<br>Lake From Date: |                |             |        |        |                                    |  |
| Fish Permit #: 145084K                                      |          |       | Date: 2001/08/06         |         |                | To: 2001/08/06 |                |           | Agency: C172 |                                 |                | Crew: JD/EL |        |        | Resample: <input type="checkbox"/> |  |
| SITE / METHOD                                               |          |       |                          |         |                |                |                |           |              |                                 |                |             |        |        |                                    |  |
| Site#                                                       | NID Map  | NID # | UTM:Zone/East/North/Mthd |         |                | MTD/NO         | Temp           | Cond      | Turbid       | Comment                         |                |             |        |        |                                    |  |
| 11                                                          | 093M.074 | 22011 | 9                        | 609460  | 6176640        | GPU EF 1       | 7              | 40        | C            |                                 |                |             |        |        |                                    |  |
| A. GEAR SETTINGS                                            |          |       |                          |         |                |                |                |           |              |                                 |                |             |        |        |                                    |  |
| Site#                                                       | MTD/NO   | H/P   | Date In                  | Time In | Date Out       | Time Out       | Comment        |           |              |                                 |                |             |        |        |                                    |  |
| 11                                                          | EF       | 1     | 2001/08/06               | 09:55   | 2001/08/06     | 10:35          |                |           |              |                                 |                |             |        |        |                                    |  |
| C. ELECTROFISHER SPECIFICATIONS                             |          |       |                          |         |                |                |                |           |              |                                 |                |             |        |        |                                    |  |
| Site#                                                       | MTD/NO   | H/P   | Encl                     | Sec     | Length         | Width          | Voltage        | Frequency | Pulse        | Make                            | Model          |             |        |        |                                    |  |
| 11                                                          | EF       | 1     | 1                        | O       | 278            | 230.0          | 1.0            | 700       | 60           | 6                               | SMITH ROOT 12B |             |        |        |                                    |  |
| FISH SUMMARY                                                |          |       |                          |         |                |                |                |           |              |                                 |                |             |        |        |                                    |  |
| Site#                                                       | MTD/NO   | H/P   | Species                  | Stage   | Age            | Total #        | Lgth (Min/Max) | FishAct   | Comment      |                                 |                |             |        |        |                                    |  |
| 11                                                          | EF       | 1     | 1                        | BT      | J              | 4              | 66 91          | R         |              |                                 |                |             |        |        |                                    |  |
| 11                                                          | EF       | 1     | 1                        | RB      | J              | 4              | 73 89          | R         |              |                                 |                |             |        |        |                                    |  |
| 11                                                          | EF       | 1     | 1                        | DV      | J              | 2              | 62 84          | R         |              |                                 |                |             |        |        |                                    |  |
| 11                                                          | EF       | 1     | 1                        | RB      | A              | 1              | 209 209        | R         |              |                                 |                |             |        |        |                                    |  |
| INDIVIDUAL FISH DATA                                        |          |       |                          |         |                |                |                |           |              |                                 |                |             |        |        |                                    |  |
| Site#                                                       | MTD/NO   | H/P   | Species                  | Length  | Weight         | Sex            | Mat            | Age       |              | Vch#                            | Genetic        |             | Roll # | Frame# | Comment                            |  |
|                                                             |          |       |                          |         |                |                |                | Str/Smpl# | Age          |                                 | Str/Smpl#      |             |        |        |                                    |  |
| 11                                                          | EF       | 1     | 1                        | RB      | 209            |                | U              | U         |              |                                 |                |             |        |        |                                    |  |
| 11                                                          | EF       | 1     | 1                        | BT      | 72             |                | U              | U         |              |                                 |                |             |        |        |                                    |  |
| 11                                                          | EF       | 1     | 1                        | BT      | 66             |                | U              | U         |              |                                 |                |             |        |        |                                    |  |
| 11                                                          | EF       | 1     | 1                        | DV      | 84             |                | U              | U         |              |                                 |                |             |        |        |                                    |  |
| 11                                                          | EF       | 1     | 1                        | RB      | 86             |                | U              | U         |              |                                 |                |             |        |        |                                    |  |
| 11                                                          | EF       | 1     | 1                        | RB      | 89             |                | U              | U         |              |                                 |                |             |        |        |                                    |  |
| 11                                                          | EF       | 1     | 1                        | DV      | 62             |                | U              | U         |              |                                 |                |             |        |        |                                    |  |
| 11                                                          | EF       | 1     | 1                        | BT      | 66             |                | U              | U         |              |                                 |                |             |        |        |                                    |  |
| 11                                                          | EF       | 1     | 1                        | BT      | 91             |                | U              | U         |              |                                 |                |             |        |        |                                    |  |
| 11                                                          | EF       | 1     | 1                        | RB      | 73             |                | U              | U         |              |                                 |                |             |        |        |                                    |  |
| 11                                                          | EF       | 1     | 1                        | RB      | 75             |                | U              | U         |              |                                 |                |             |        |        |                                    |  |





Site #11, Upstream photo of cascade pools with some overstream vegetation.  
Roll #1, Frame #23, Date: 2001/08/06



Site #11, Downstream photo of cascade section with helicopter.  
Roll #1, Frame #24, Date: 2001/08/06



# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Watershed Code: 480-195700-36100-00000-0000-0000-000-000-000-000

Reach # ILP Map # ILP #

2.0

| STREAM REFERENCING                                                                                                                                                                                                                     |                |                                                                                                                                                                                                                               |                   |                                                                                                                                                       |             |                                                                                       |            |                                                                                                      |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------|---------------------|
| Gazetted Name: CAYUSE JACK CREEK                                                                                                                                                                                                       |                |                                                                                                                                                                                                                               |                   |                                                                                                                                                       | Local Name: |                                                                                       |            |                                                                                                      |                     |
| Watershed Code: 480-195700-36100-00000-0000-0000-000-000-000-000                                                                                                                                                                       |                |                                                                                                                                                                                                                               |                   |                                                                                                                                                       | ILP Map #:  |                                                                                       | ILP #:     |                                                                                                      |                     |
| REACH                                                                                                                                                                                                                                  |                |                                                                                                                                                                                                                               |                   |                                                                                                                                                       |             |                                                                                       |            |                                                                                                      |                     |
| Reach #: 2.0                                                                                                                                                                                                                           |                | UTM(Zone/East/North): 9.605461.6181679                                                                                                                                                                                        |                   |                                                                                                                                                       |             | Sample Type: Biased                                                                   |            |                                                                                                      |                     |
| Length (km): 4.21                                                                                                                                                                                                                      |                | Coupling: Partially Couple                                                                                                                                                                                                    |                   | Magnitude: 69                                                                                                                                         |             | BGC Zone: SBS                                                                         |            |                                                                                                      |                     |
| Gradient (%): 6.1                                                                                                                                                                                                                      |                | Confinement: Occasionally Conf                                                                                                                                                                                                |                   | Order: 4                                                                                                                                              |             | Open water: Absent                                                                    |            |                                                                                                      |                     |
| US Elev (m): 1029                                                                                                                                                                                                                      |                | Islands: NONE                                                                                                                                                                                                                 |                   | Riparian Vegetation: Coniferous                                                                                                                       |             |                                                                                       |            |                                                                                                      |                     |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                |                                                                                                                                                                                                                               |                   |                                                                                                                                                       |             |                                                                                       |            |                                                                                                      |                     |
| SITE                                                                                                                                                                                                                                   |                |                                                                                                                                                                                                                               |                   |                                                                                                                                                       |             |                                                                                       |            |                                                                                                      |                     |
| Site #: 12                                                                                                                                                                                                                             |                | Field UTM 9.608608.6180272                                                                                                                                                                                                    |                   | Agency: C172                                                                                                                                          |             | Crew: JD/EL                                                                           |            | Date: 2001/08/06                                                                                     |                     |
| Site Length (m): 250                                                                                                                                                                                                                   |                | GIS UTM 9.608585.6180294                                                                                                                                                                                                      |                   | Agency Name: Triton Environmental Consultants (Terrace)                                                                                               |             |                                                                                       |            |                                                                                                      |                     |
| CHANNEL                                                                                                                                                                                                                                |                |                                                                                                                                                                                                                               |                   |                                                                                                                                                       |             |                                                                                       |            |                                                                                                      |                     |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |                | Intermittent: <input type="checkbox"/>                                                                                                                                                                                        |                   | Avg                                                                                                                                                   |             | Min                                                                                   |            | Max                                                                                                  |                     |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |                | Tribes.: <input type="checkbox"/>                                                                                                                                                                                             |                   | Channel Width (m): 23.33                                                                                                                              |             | 21                                                                                    |            | 26                                                                                                   |                     |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |                |                                                                                                                                                                                                                               |                   | Wetted Width (m): 8.00                                                                                                                                |             | 6                                                                                     |            | 10                                                                                                   |                     |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |                |                                                                                                                                                                                                                               |                   | Bankfull Depth (m): 0.47                                                                                                                              |             | 0.4                                                                                   |            | 0.5                                                                                                  |                     |
| High <input type="checkbox"/>                                                                                                                                                                                                          |                | Temp (C): 7                                                                                                                                                                                                                   |                   | pH: 5.0                                                                                                                                               |             | Conductivity: 50                                                                      |            |                                                                                                      |                     |
|                                                                                                                                                                                                                                        |                |                                                                                                                                                                                                                               |                   |                                                                                                                                                       |             | Turbidity: Turbid <input type="checkbox"/>                                            |            | Low <input type="checkbox"/>                                                                         |                     |
|                                                                                                                                                                                                                                        |                |                                                                                                                                                                                                                               |                   |                                                                                                                                                       |             | Moderate <input type="checkbox"/>                                                     |            | Clear <input checked="" type="checkbox"/>                                                            |                     |
| MORPHOLOGY                                                                                                                                                                                                                             |                |                                                                                                                                                                                                                               |                   |                                                                                                                                                       |             |                                                                                       |            |                                                                                                      |                     |
| Bed Material: Dominant: Cobble                                                                                                                                                                                                         |                | D95 (cm): 68.00                                                                                                                                                                                                               |                   | Bars: Non <input type="checkbox"/>                                                                                                                    |             | Side <input checked="" type="checkbox"/>                                              |            | Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> |                     |
| Subdominant: Boulders                                                                                                                                                                                                                  |                | D (cm): 10.00                                                                                                                                                                                                                 |                   |                                                                                                                                                       |             |                                                                                       |            | Braid <input type="checkbox"/>                                                                       |                     |
| Channel Pattern: Sinuous                                                                                                                                                                                                               |                | Islands: Occasional                                                                                                                                                                                                           |                   | DISTURBANCE INDICATORS                                                                                                                                |             | O1                                                                                    |            | B1 B2 B3 D1 D2 D3                                                                                    |                     |
| Coupling: Coupled                                                                                                                                                                                                                      |                |                                                                                                                                                                                                                               |                   |                                                                                                                                                       |             |                                                                                       |            |                                                                                                      |                     |
| Confinement: Occasionally Confine                                                                                                                                                                                                      |                |                                                                                                                                                                                                                               |                   | C1 C2 C3 C4 C5 S1 S2 S3 S4 S5                                                                                                                         |             |                                                                                       |            |                                                                                                      |                     |
| Morphology: CP Cascade Pool                                                                                                                                                                                                            |                |                                                                                                                                                                                                                               |                   |                                                                                                                                                       |             |                                                                                       |            |                                                                                                      |                     |
| COVER                                                                                                                                                                                                                                  |                |                                                                                                                                                                                                                               |                   |                                                                                                                                                       |             |                                                                                       |            |                                                                                                      |                     |
| Total Cover: Abundant                                                                                                                                                                                                                  |                | Type: SWD LWD B U DP OV IV                                                                                                                                                                                                    |                   |                                                                                                                                                       |             |                                                                                       |            |                                                                                                      |                     |
| LWD: Few                                                                                                                                                                                                                               |                | Amount: T T D T S T N                                                                                                                                                                                                         |                   |                                                                                                                                                       |             |                                                                                       |            |                                                                                                      |                     |
| LWD Dist: Evenly Distributed                                                                                                                                                                                                           |                | Location: P/S/O: <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                                                                                                                        |                   | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                                                                 |             | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |            | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>                |                     |
| Right Bank: Shape: Sloping (g)                                                                                                                                                                                                         |                | Texture: Fines <input type="checkbox"/> Gravel <input type="checkbox"/> Cobble <input checked="" type="checkbox"/> Boulder <input checked="" type="checkbox"/> Rock <input type="checkbox"/> Manmade <input type="checkbox"/> |                   |                                                                                                                                                       |             |                                                                                       |            | Crown Closure                                                                                        |                     |
| Left Bank: Shape: Sloping (g)                                                                                                                                                                                                          |                | Texture: Fines <input type="checkbox"/> Gravel <input type="checkbox"/> Cobble <input checked="" type="checkbox"/> Boulder <input checked="" type="checkbox"/> Rock <input type="checkbox"/> Manmade <input type="checkbox"/> |                   |                                                                                                                                                       |             |                                                                                       |            | 1-20%                                                                                                |                     |
| Right Bank: Rip.Veg: Mixed C/D                                                                                                                                                                                                         |                | Stage: Mature forest                                                                                                                                                                                                          |                   |                                                                                                                                                       |             |                                                                                       |            |                                                                                                      |                     |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |                | Stage: Mature forest                                                                                                                                                                                                          |                   | Instream Veg: None <input checked="" type="checkbox"/> Algae <input type="checkbox"/> Moss <input type="checkbox"/> Vascular <input type="checkbox"/> |             |                                                                                       |            |                                                                                                      |                     |
| FISH                                                                                                                                                                                                                                   |                |                                                                                                                                                                                                                               |                   |                                                                                                                                                       |             |                                                                                       |            |                                                                                                      |                     |
| Site Number                                                                                                                                                                                                                            | Capture Method | Number of Events                                                                                                                                                                                                              | Length fished (m) | Total Time                                                                                                                                            | Voltage     | Species                                                                               | Total Fish | Minimum Length (mm)                                                                                  | Maximum Length (mm) |
| 12                                                                                                                                                                                                                                     | EF             | 1                                                                                                                                                                                                                             | 250               | 278 sec                                                                                                                                               | 600         | DV                                                                                    | 4          | 64                                                                                                   | 217                 |
| 12                                                                                                                                                                                                                                     | EF             | 1                                                                                                                                                                                                                             | 250               | 278 sec                                                                                                                                               | 600         | BT                                                                                    | 5          | 59                                                                                                   | 92                  |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-36100-00000-0000-0000-000-000-000-000-000

Reach # 2.0 ILP Map # ILP # Site 12

### PROJECT

Project Name: Shelagyote Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000  
Project Code: 1550

### WATERSHED

Gazetted Name: CAYUSE JACK CREEK  
Local Name: Cayuse Jack Creek  
Watershed Code: 480-195700-36100-00000-0000-0000-000-000-000-000-000  
ILP Map #: ILP #: NID Map #: 093M.074 NID #: 22012 Reach #: 2.0 Site #: 12  
Field UTM (Z.E.N): 9.608608.6180272 Method: GPU Site Lg: 250 Method: GE Access: H  
GIS UTM (Z.E.N): 9.608585.6180294 Ref. Name:  
Date: 2001/08/06 Time: 10:45 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg   |            | Gadient % |     | Mtd | Avg  |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|-----------|-----|-----|------|
| Channel Width (m): | GE  | 25.00 | 22.00 | 26.00 | 21.00 | 23.00 | 23.00 |       |       |       |       | 23.33 | Method I:  | 5.0       | 4.0 | C   | 4.50 |
| Wetted Width (m):  | GE  | 6.00  | 10.00 | 9.00  | 8.00  | 8.00  | 7.00  |       |       |       |       | 8.00  | Method II: | 4.0       | 5.0 | C   |      |
| Pool Depth (m):    | MS  | 0.40  | 0.50  | 0.50  | 0.40  | 0.40  | 0.30  |       |       |       |       | 0.42  |            |           |     |     |      |

Wb Depth: .4 .5 .5 Avg: 0.47 Method: GE Stage: L ☐ M ☒ H ☐

No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                                   | U                                   | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | T                                   | D                                   | T                                   | S                                   | T                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

LWD: F DIST: E

LB SHP: S

Texture: F ☐ G ☐ C ☒ B ☒ R ☐ A ☐

RIP: M

STG: MF

RB SHP: S

Texture: F ☐ G ☐ C ☒ B ☒ R ☐ A ☐

RIP: M

STG: MF

### WATER

EMS:  
Temp: 7  
pH: 5.0  
Flood Signs: LwD on banks  
Method: T4  
Method: P2  
Method: GE  
Req #: Cond.: 50  
Turb.: T ☐ M ☐ L ☐ C ☒  
Method: S3  
Method: GE

### MORPHOLOGY

Bed Material: Dominant: C Subdom: B  
D95: 68.0 D (cm): 10.00 Morph: CP  
Pattern: SI  
Islands: O  
Coupling: CO  
Confinement: OC  
FSZ: ☐  
DISTURBANCE INDICATORS  
O1 B1 B2 B3 D1 D2 D3  
☐ ☐ ☐ ☐ ☐ ☐ ☐  
C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐  
Bars: N ☐ SIDE ☒ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                                      |
|--------------------|---------------------------------------------------------------|
| OverWinter Habitat | Present                                                       |
| Cover              | Moderate-boulcer cover and pools                              |
| Rearing Habitat    | Moderate-high energy stream with some island side channels    |
| Spawning Habitat   | Poor-some gravel pockets on margins, accessible in high water |

### PHOTOS

| Photo     | Foc Lg | Dir | Comments                                                               |
|-----------|--------|-----|------------------------------------------------------------------------|
| R: 2 F: 1 | STD    | U   | Upstream photo of high energy cascade boulder section (Jason shocking) |
| R: 2 F: 2 | STD    | D   | Downstream photo of open section with spanning LWD                     |



# FDIS Fish Card

## Shelagoyote River Planning Area

Watershed Code: 480-195700-36100-00000-0000-0000-000-000-000-000

Reach # 2.0  
ILP Map #  
ILP #

### WATERBODY

Gazetted Name: CAYUSE JACK CREEK Local: Cayuse Jack Creek  
Project Code: 480-000000-00000-00000-0000-000-000-000-000-0  
WS Code: 480-195700-36100-00000-0000-0000-000-000-000-000  
Waterbody ID: ILP Map #: ILP #: Reach #: 2 -  
Project ID: 1550 Lake/Stream: S Lake From Date:

Fish Permit #: 145084K Date: 2001/08/06 To: 2001/08/06 Agency: C172 Crew: JD/EL Resample: ☐

### SITE / METHOD

| Site# | NID Map  | NID # | UTM:Zone/East/North/Mthd |        |         |     | MTD/NO | Temp | Cond | Turbid | Comment |
|-------|----------|-------|--------------------------|--------|---------|-----|--------|------|------|--------|---------|
| 12    | 093M.074 | 22012 | 9                        | 608608 | 6180272 | GPU | EF 1   | 7    | 50   | C      |         |

### A. GEAR SETTINGS

| Site# | MTD/NO | H/P | Date In    | Time In | Date Out   | Time Out | Comment |
|-------|--------|-----|------------|---------|------------|----------|---------|
| 12    | EF 1   | 1   | 2001/08/06 | 10:45   | 2001/08/06 | 11:25    |         |

### C. ELECTROFISHER SPECIFICATIONS

| Site# | MTD/NO | H/P | Encl | Sec | Length | Width | Voltage | Frequency | Pulse | Make | Model             |
|-------|--------|-----|------|-----|--------|-------|---------|-----------|-------|------|-------------------|
| 12    | EF     | 1   | 1    | O   | 278    | 250.0 | 1.0     | 600       | 70    | 6    | SMITH ROOT<br>12B |

### FISH SUMMARY

| Site# | MTD/NO | H/P | Species | Stage | Age | Total # | Lgth (Min/Max) | FishAct | Comment |
|-------|--------|-----|---------|-------|-----|---------|----------------|---------|---------|
| 12    | EF     | 1   | 1       | BT    | J   | 5       | 59 92          | R       |         |
| 12    | EF     | 1   | 1       | DV    | J   | 3       | 64 88          | R       |         |
| 12    | EF     | 1   | 1       | DV    | A   | 1       | 217 217        | R       |         |

### INDIVIDUAL FISH DATA

| Site# | MTD/NO | H/P | Species | Length | Weight | Sex | Mat | Age<br>Str/Smpl#/Age | Vch# | Genetic<br>Str/Smpl# | Roll # | Frame# | Comment |
|-------|--------|-----|---------|--------|--------|-----|-----|----------------------|------|----------------------|--------|--------|---------|
| 12    | EF     | 1   | 1       | DV     | 217    |     | U   | U                    |      |                      |        |        |         |
| 12    | EF     | 1   | 1       | DV     | 88     |     | U   | U                    |      |                      |        |        |         |
| 12    | EF     | 1   | 1       | BT     | 59     |     | U   | U                    |      |                      |        |        |         |
| 12    | EF     | 1   | 1       | BT     | 68     |     | U   | U                    |      |                      |        |        |         |
| 12    | EF     | 1   | 1       | BT     | 79     |     | U   | U                    |      |                      |        |        |         |
| 12    | EF     | 1   | 1       | BT     | 92     |     | U   | U                    |      |                      |        |        |         |
| 12    | EF     | 1   | 1       | DV     | 64     |     | U   | U                    |      |                      |        |        |         |
| 12    | EF     | 1   | 1       | DV     | 72     |     | U   | U                    |      |                      |        |        |         |
| 12    | EF     | 1   | 1       | BT     | 82     |     | U   | U                    |      |                      |        |        |         |





Site #12, Upstream photo of high energy cascade boulder section (Jason shocking).  
Roll #2, Frame #1, Date: 2001/08/06



Site #12, Downstream photo of open section with spanning LWD.  
Roll #2, Frame #2, Date: 2001/08/06



## Shelagyote River Planning Area

| Reach # | ILP Map # | ILP # |
|---------|-----------|-------|
|---------|-----------|-------|

10.0

| STREAM REFERENCING                                                                                                                                                                                                                     |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------|--------------------------|-------------------------|-----|-----|----|------------------------|----|----|----|--------------------------|-----|--------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Gazetted Name: CAYUSE JACK CREEK                                                                                                                                                                                                       |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     | Local Name:                              |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Watershed Code: 480-195700-36100-00000-0000-0000-000-000-000-000-000                                                                                                                                                                   |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     | ILP Map #:                               |                                     |                                                                                                                                                         | ILP #:                   |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| REACH                                                                                                                                                                                                                                  |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Reach #: 10.0                                                                                                                                                                                                                          |                          | UTM(Zone/East/North): 9.601364.6181213                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     | Sample Type: Random                      |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Length (km): .79                                                                                                                                                                                                                       |                          | Coupling: Partially Couple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                     | Magnitude: 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     | BGC Zone: ESSF                           |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Gradient (%): 1.9                                                                                                                                                                                                                      |                          | Confinement: Occasionally Conf                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                     | Order: 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     | Open water: Absent                       |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| US Elev (m): 1345                                                                                                                                                                                                                      |                          | Islands: NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                     | Riparian Vegetation: Coniferous                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| SITE                                                                                                                                                                                                                                   |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Site #: 13                                                                                                                                                                                                                             |                          | Field UTM 9.601957.6181215                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                     | Agency: C172                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                     | Crew: JD/EL                              |                                     | Date: 2001/08/06                                                                                                                                        |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Site Length (m): 150                                                                                                                                                                                                                   |                          | GIS UTM 9.601917.6181172                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     | Agency Name: Triton Environmental Consultants (Terrace)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| CHANNEL                                                                                                                                                                                                                                |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |                          | Intermittent: <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Avg</th> <th>Min</th> <th>Max</th> <th>#</th> </tr> <tr> <td>Channel Width (m): 9.17</td> <td>8</td> <td>11</td> <td>6</td> </tr> <tr> <td>Wetted Width (m): 9.17</td> <td>8</td> <td>11</td> <td>6</td> </tr> <tr> <td>Bankfull Depth (m): 0.40</td> <td>0.3</td> <td>0.5</td> <td>3</td> </tr> </table>                                                                                                                                                                                                                                                       |                                     |                                          |                                     | Avg                                                                                                                                                     | Min                      | Max                                                                | #                        | Channel Width (m): 9.17 | 8   | 11  | 6  | Wetted Width (m): 9.17 | 8  | 11 | 6  | Bankfull Depth (m): 0.40 | 0.3 | 0.5                      | 3                        | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Avg</th> <th>Min</th> <th>Max</th> <th>#</th> </tr> <tr> <td>Gradient %: 1.75</td> <td>1</td> <td>2</td> <td>4</td> </tr> <tr> <td>Pool Depth (m): 0.55</td> <td>0.300</td> <td>1</td> <td>6</td> </tr> </table> |                          |                          |                          | Avg                      | Min                      | Max                      | #                                   | Gradient %: 1.75         | 1                                   | 2                        | 4                                   | Pool Depth (m): 0.55     | 0.300                    | 1                        | 6                        |
| Avg                                                                                                                                                                                                                                    | Min                      | Max                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | #                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Channel Width (m): 9.17                                                                                                                                                                                                                | 8                        | 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Wetted Width (m): 9.17                                                                                                                                                                                                                 | 8                        | 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Bankfull Depth (m): 0.40                                                                                                                                                                                                               | 0.3                      | 0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Avg                                                                                                                                                                                                                                    | Min                      | Max                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | #                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Gradient %: 1.75                                                                                                                                                                                                                       | 1                        | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Pool Depth (m): 0.55                                                                                                                                                                                                                   | 0.300                    | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |                          | Tribes.: <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Med <input type="checkbox"/>                                                                                                                                                                                                           |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| High <input checked="" type="checkbox"/>                                                                                                                                                                                               |                          | Temp (C): 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                     | pH: 8.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                     | Conductivity: 40                         |                                     | Turbidity.: Turbid <input type="checkbox"/> Low <input type="checkbox"/><br>Moderate <input type="checkbox"/> Clear <input checked="" type="checkbox"/> |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| MORPHOLOGY                                                                                                                                                                                                                             |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Bed Material: Dominant: Gravels                                                                                                                                                                                                        |                          | D95 (cm): 36.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     | Bars: Non <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                     | Side <input checked="" type="checkbox"/> |                                     | Diagonal <input type="checkbox"/>                                                                                                                       |                          | Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Subdominant: Cobble                                                                                                                                                                                                                    |                          | D (cm): 5.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          | Braid <input type="checkbox"/>                                     |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Channel Pattern: Irregular Meanders                                                                                                                                                                                                    |                          | Islands: Irregular                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     | DISTURBANCE INDICATORS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Coupling: Coupled                                                                                                                                                                                                                      |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> <td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> </table> |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          | O1                      | B1  | B2  | B3 | D1                     | D2 | D3 |    |                          |     |                          |                          | <input type="checkbox"/>                                                                                                                                                                                                                                                                    | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            |                          |                          |                          |                          |
| O1                                                                                                                                                                                                                                     | B1                       | B2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | B3                                  | D1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | D2                                  | D3                                       |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| <input type="checkbox"/>                                                                                                                                                                                                               | <input type="checkbox"/> | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <input type="checkbox"/>            | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/>            | <input type="checkbox"/>                 | <input type="checkbox"/>            | <input type="checkbox"/>                                                                                                                                | <input type="checkbox"/> | <input type="checkbox"/>                                           | <input type="checkbox"/> |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Confinement: Occasionally Confine                                                                                                                                                                                                      |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> </table>                                                                                 |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          | C1                      | C2  | C3  | C4 | C5                     | S1 | S2 | S3 | S4                       | S5  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>                                                                                                                                                                                                                                                                    | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |                          |                                     |                          |                                     |                          |                          |                          |                          |
| C1                                                                                                                                                                                                                                     | C2                       | C3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | C4                                  | C5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | S1                                  | S2                                       | S3                                  | S4                                                                                                                                                      | S5                       |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| <input type="checkbox"/>                                                                                                                                                                                                               | <input type="checkbox"/> | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <input type="checkbox"/>            | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/>            | <input type="checkbox"/>                 | <input type="checkbox"/>            | <input type="checkbox"/>                                                                                                                                | <input type="checkbox"/> |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Morphology: RP Riffle Pool                                                                                                                                                                                                             |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| COVER                                                                                                                                                                                                                                  |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Total Cover: Moderate                                                                                                                                                                                                                  |                          | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Type:</th> <th>SWD</th> <th>LWD</th> <th>B</th> <th>U</th> <th>DP</th> <th>OV</th> <th>IV</th> </tr> <tr> <th>Amount:</th> <td>N</td> <td>N</td> <td>T</td> <td>T</td> <td>D</td> <td>S</td> <td>N</td> </tr> <tr> <th>Location: P/S/O:</th> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> </table> |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          | Type:                   | SWD | LWD | B  | U                      | DP | OV | IV | Amount:                  | N   | N                        | T                        | T                                                                                                                                                                                                                                                                                           | D                        | S                        | N                        | Location: P/S/O:         | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Type:                                                                                                                                                                                                                                  | SWD                      | LWD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | B                                   | U                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DP                                  | OV                                       | IV                                  |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Amount:                                                                                                                                                                                                                                | N                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | T                                   | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | D                                   | S                                        | N                                   |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Location: P/S/O:                                                                                                                                                                                                                       | <input type="checkbox"/> | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <input checked="" type="checkbox"/> | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input checked="" type="checkbox"/> | <input type="checkbox"/>                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>                                                                                                                                | <input type="checkbox"/> | <input type="checkbox"/>                                           | <input type="checkbox"/> |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| LWD: None                                                                                                                                                                                                                              |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| LWD Dist: Not Applicable                                                                                                                                                                                                               |                          | FSZ: <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Right Bank: Shape: Sloping (g)                                                                                                                                                                                                         |                          | Texture: Fines <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     | Gravel <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                     | Cobble <input type="checkbox"/>          |                                     | Boulder <input type="checkbox"/>                                                                                                                        |                          | Rock <input type="checkbox"/> Manmade <input type="checkbox"/>     |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Left Bank: Shape: Sloping (g)                                                                                                                                                                                                          |                          | Texture: Fines <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     | Gravel <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                     | Cobble <input type="checkbox"/>          |                                     | Boulder <input type="checkbox"/>                                                                                                                        |                          | Rock <input type="checkbox"/> Manmade <input type="checkbox"/>     |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Right Bank: Rip.Veg: Shrubs                                                                                                                                                                                                            |                          | Stage: Shrub/herb stage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |                          | Stage: Shrub/herb stage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Instream Veg: None <input checked="" type="checkbox"/> Algae <input type="checkbox"/> Moss <input type="checkbox"/> Vascular <input type="checkbox"/>                                                                                  |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| FISH                                                                                                                                                                                                                                   |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                          |                                     |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| Site Number                                                                                                                                                                                                                            | Capture Method           | Number of Events                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Length fished (m)                   | Total Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Voltage                             | Species                                  | Total Fish                          | Minimum Length (mm)                                                                                                                                     | Maximum Length (mm)      |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |
| 13                                                                                                                                                                                                                                     | EF                       | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 150                                 | 215 sec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 900                                 | NFC                                      | 0                                   |                                                                                                                                                         |                          |                                                                    |                          |                         |     |     |    |                        |    |    |    |                          |     |                          |                          |                                                                                                                                                                                                                                                                                             |                          |                          |                          |                          |                          |                          |                                     |                          |                                     |                          |                                     |                          |                          |                          |                          |



# FDIS Site Card

## Shelagoyte River Planning Area

Watershed Code: 480-195700-36100-00000-00000-000-000-000-000-000

Reach # 10.0 ILP Map # ILP # Site 13

### PROJECT

Project Name: Shelagoyte Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-00000-000-000-000-000-000

Project Code: 1550

### WATERSHED

Gazetted Name: CAYUSE JACK CREEK Local Name: Cayuse Jack Creek  
Watershed Code: 480-195700-36100-00000-00000-00000-000-000-000-000-000  
ILP Map#: ILP #: NID Map #: 093M.074 NID #: 22013 Reach #: 10.0 Site #: 13  
Field UTM (Z.E.N): 9.601957.6181215 Method: GPU Site Lg: 150 Method: GE Access: H  
GIS UTM (Z.E.N): 9.601917.6181172 Ref. Name:  
Date: 2001/08/06 Time: 11:35 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |            | Gadient % | Mtd | Avg    |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------------|-----------|-----|--------|
| Channel Width (m): | GE  | 8.00  | 10.00 | 8.00  | 9.00  | 9.00  | 11.00 |       |       |       |       | 9.17 | Method I:  | 1.0       | 2.0 | C 1.75 |
| Wetted Width (m):  | GE  | 8.00  | 10.00 | 8.00  | 9.00  | 9.00  | 11.00 |       |       |       |       | 9.17 | Method II: | 2.0       | 2.0 | C      |
| Pool Depth (m):    | MS  | 1.00  | 0.70  | 0.40  | 0.40  | 0.30  | 0.50  |       |       |       |       | 0.55 |            |           |     |        |

Wb Depth: .5 .3 .4 Avg: 0.40 Method: MS Stage: L ☐ M ☐ H ☒

No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: M

| Type:       | SWD                      | LWD                      | B                                   | U                                   | DP                                  | OV                                  | IV                       |
|-------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | N                        | N                        | T                                   | T                                   | D                                   | S                                   | N                        |
| Loc: P/S/O: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

LWD: N DIST: NA

LB SHP: S

Texture: F ☒ G ☒ C ☐ B ☐ R ☐ A ☐

RIP: S

STG: SHR

RB SHP: S

Texture: F ☒ G ☒ C ☐ B ☐ R ☐ A ☐

RIP: S

STG: SHR

### WATER

EMS: Temp: 5 Method: T4 Req #: Cond.: 40 Method: S3  
pH: 8.2 Method: P2 Turb.: T ☐ M ☐ L ☐ C ☒ Method: GE  
Flood Signs: None observed Method: GE

### MORPHOLOGY

Bed Material: Dominant: G Subdom: C O1 B1 B2 B3 D1 D2 D3  
D95: 36.0 D (cm): 5.00 Morph: RP DISTURBANCE INDICATORS  
Pattern: IM C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: I  
Coupling: CO  
Confinement: OC  
FSZ: ☐ Bars: N ☐ SIDE ☒ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                                                        |
|--------------------|---------------------------------------------------------------------------------|
| OverWinter Habitat | Present in deep pools                                                           |
| Cover              | Poor-some deep pools but very fast water. Some overstream vegetation on margins |
| Rearing Habitat    | Poor-riffle/glide complex with little cover                                     |
| Spawning Habitat   | Good-good gravels with clean water                                              |

### PHOTOS

| Photo     | Foc Lg | Dir | Comments                                             |
|-----------|--------|-----|------------------------------------------------------|
| R: 2 F: 3 | STD    | D   | Downstream photo of riffle glide section             |
| R: 2 F: 4 | STD    | U   | Upstream photo of riffle section with Jason shocking |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-36100-00000-0000-0000-000-000-000-000-000

|         |           |       |      |
|---------|-----------|-------|------|
| Reach # | ILP Map # | ILP # | Site |
| 10.0    |           |       | 13   |

| COMMENTS |                |
|----------|----------------|
| Section  | Comments       |
| CHANNEL  | No fish caught |

# FDIS Fish Card

## Shelagoyte River Planning Area

Watershed Code: 480-195700-36100-00000-0000-0000-000-000-000-000

Reach # 10.0  
ILP Map #  
ILP #

| WATERBODY                                                   |          |       |                          |                |            |                          |                |                 |              |               |               |     |                                    |
|-------------------------------------------------------------|----------|-------|--------------------------|----------------|------------|--------------------------|----------------|-----------------|--------------|---------------|---------------|-----|------------------------------------|
| Gazetted Name: CAYUSE JACK CREEK                            |          |       |                          |                |            | Local: Cayuse Jack Creek |                |                 |              |               |               |     |                                    |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-0 |          |       |                          |                |            |                          |                |                 |              |               |               |     |                                    |
| WS Code: 480-195700-36100-00000-0000-0000-000-000-000-000   |          |       |                          |                |            |                          |                |                 |              |               |               |     |                                    |
| Waterbody ID:                                               |          |       |                          | ILP Map #:     |            |                          |                | ILP #:          |              | Reach #: 10 - |               |     |                                    |
| Project ID: 1550                                            |          |       |                          | Lake/Stream: S |            |                          |                | Lake From Date: |              |               |               |     |                                    |
| Fish Permit #: 145084K                                      |          |       | Date: 2001/08/06         |                |            | To: 2001/08/06           |                |                 | Agency: C172 |               | Crew: JD/EL   |     | Resample: <input type="checkbox"/> |
| SITE / METHOD                                               |          |       |                          |                |            |                          |                |                 |              |               |               |     |                                    |
| Site#                                                       | NID Map  | NID # | UTM:Zone/East/North/Mthd |                |            | MTD/NO                   | Temp           | Cond            | Turbid       | Comment       |               |     |                                    |
| 13                                                          | 093M.074 | 22013 |                          |                |            | GPU EF 1                 | 5              | 40              | C            |               |               |     |                                    |
| A. GEAR SETTINGS                                            |          |       |                          |                |            |                          |                |                 |              |               |               |     |                                    |
| Site#                                                       | MTD/NO   | H/P   | Date In                  | Time In        | Date Out   | Time Out                 | Comment        |                 |              |               |               |     |                                    |
| 13                                                          | EF       | 1     | 2001/08/06               | 11:35          | 2001/08/06 | 11:55                    |                |                 |              |               |               |     |                                    |
| C. ELECTROFISHER SPECIFICATIONS                             |          |       |                          |                |            |                          |                |                 |              |               |               |     |                                    |
| Site#                                                       | MTD/NO   | H/P   | Encl                     | Sec            | Length     | Width                    | Voltage        | Frequency       | Pulse        | Make          | Model         |     |                                    |
| 13                                                          | EF       | 1     | 1                        | O              | 215        | 150.0                    | 5.0            | 900             | 70           | 6             | SMITH<br>ROOT | 12B |                                    |
| FISH SUMMARY                                                |          |       |                          |                |            |                          |                |                 |              |               |               |     |                                    |
| Site#                                                       | MTD/NO   | H/P   | Species                  | Stage          | Age        | Total #                  | Lgth (Min/Max) | FishAct         | Comment      |               |               |     |                                    |
| 13                                                          | EF       | 1     | 1                        | NFC            |            | 0                        |                |                 |              |               |               |     |                                    |





Site #13, Downstream photo of riffle glide section.  
Roll #2, Frame #3, Date: 2001/08/06



Site #13, Upstream photo of riffle section with Jason shocking.  
Roll #2, Frame #4, Date: 2001/08/06



## Shelagyote River Planning Area

| Reach # | ILP Map # | ILP # |
|---------|-----------|-------|
| 1.0     |           |       |

| STREAM REFERENCING                                                                                                                                                                                                                     |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
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| Gazetted Name:                                                                                                                                                                                                                         |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              | Local Name:                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Watershed Code: 480-195700-48200-22800-0000-0000-000-000-000-000-000                                                                                                                                                                   |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              | ILP Map #:                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ILP #:                   |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| REACH                                                                                                                                                                                                                                  |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Reach #: 1.0                                                                                                                                                                                                                           |                                     | UTM(Zone/East/North): 9.604576.6184743                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     | Sample Type: Biased                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Length (km): .56                                                                                                                                                                                                                       |                                     | Coupling: Coupled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                     | Magnitude: 12                                                                                                                                                                                                                                                                                                                                                                                                                |                                     | BGC Zone: SBS                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Gradient (%): 13.6                                                                                                                                                                                                                     |                                     | Confinement: Frequently Confin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                     | Order: 3                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     | Open water: Absent                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| US Elev (m): 919                                                                                                                                                                                                                       |                                     | Islands: NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                     | Riparian Vegetation: Coniferous                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| SITE                                                                                                                                                                                                                                   |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Site #: 14                                                                                                                                                                                                                             |                                     | Field UTM 9.604900.6185185                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     | Agency: C172                                                                                                                                                                                                                                                                                                                                                                                                                 |                                     | Crew: JD/EL                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          | Date: 2001/08/06                            |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Site Length (m): 100                                                                                                                                                                                                                   |                                     | GIS UTM 9.604870.6185035                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                     | Agency Name: Triton Environmental Consultants (Terrace)                                                                                                                                                                                                                                                                                                                                                                      |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| CHANNEL                                                                                                                                                                                                                                |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |                                     | Intermittent: <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                     | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td>Avg</td> <td>Min</td> <td>Max</td> <td>#</td> </tr> <tr> <td>Channel Width (m):</td> <td>5.57</td> <td>5</td> <td>6.1</td> <td>6</td> </tr> <tr> <td>Wetted Width (m):</td> <td>5.57</td> <td>5</td> <td>6.1</td> <td>6</td> </tr> <tr> <td>Bankfull Depth (m):</td> <td>0.43</td> <td>0.4</td> <td>0.5</td> <td>3</td> </tr> </table> |                                     | Avg                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Min                      | Max                                         | #                        | Channel Width (m):       | 5.57                     | 5                        | 6.1                      | 6                        | Wetted Width (m):        | 5.57                     | 5                        | 6.1                      | 6                        | Bankfull Depth (m):      | 0.43                     | 0.4                      | 0.5                      | 3 | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td>Avg</td> <td>Min</td> <td>Max</td> <td>#</td> </tr> <tr> <td>Gradient %:</td> <td>10.00</td> <td>10</td> <td>11</td> <td>4</td> </tr> <tr> <td>Pool Depth (m):</td> <td>0.28</td> <td>0.200</td> <td>0.400</td> <td>6</td> </tr> </table> |                  |                                     |                                     | Avg                                 | Min                      | Max                                 | #                                   | Gradient %:              | 10.00 | 10 | 11 | 4 | Pool Depth (m): | 0.28 | 0.200 | 0.400 | 6 |
| Avg                                                                                                                                                                                                                                    | Min                                 | Max                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | #                                   |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Channel Width (m):                                                                                                                                                                                                                     | 5.57                                | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6.1                                 | 6                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Wetted Width (m):                                                                                                                                                                                                                      | 5.57                                | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6.1                                 | 6                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Bankfull Depth (m):                                                                                                                                                                                                                    | 0.43                                | 0.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.5                                 | 3                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Avg                                                                                                                                                                                                                                    | Min                                 | Max                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | #                                   |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Gradient %:                                                                                                                                                                                                                            | 10.00                               | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 11                                  | 4                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Pool Depth (m):                                                                                                                                                                                                                        | 0.28                                | 0.200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.400                               | 6                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |                                     | Tribes.: <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     | Turbidity.: Turbid <input type="checkbox"/> Low <input type="checkbox"/><br>Moderate <input type="checkbox"/> Clear <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                              |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |                                     | Temp (C): 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     | pH: 7.8                                                                                                                                                                                                                                                                                                                                                                                                                      |                                     | Conductivity: 40                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Med <input type="checkbox"/>                                                                                                                                                                                                           |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| High <input checked="" type="checkbox"/>                                                                                                                                                                                               |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| MORPHOLOGY                                                                                                                                                                                                                             |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Bed Material: Dominant: Cobble                                                                                                                                                                                                         |                                     | D95 (cm): 72.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     | Bars: Non <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                |                                     | Side <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                        |                          | Diagonal <input type="checkbox"/>           |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Subdominant: Boulders                                                                                                                                                                                                                  |                                     | D (cm): 13.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     | Mid-channel <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                 |                          | Span <input type="checkbox"/>               |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Channel Pattern: Sinuous                                                                                                                                                                                                               |                                     | Islands: Irregular                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     | DISTURBANCE INDICATORS                                                                                                                                                                                                                                                                                                                                                                                                       |                                     | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td>O1</td> <td>B1</td> <td>B2</td> <td>B3</td> <td>D1</td> <td>D2</td> <td>D3</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>        |                          |                                             |                          | O1                       | B1                       | B2                       | B3                       | D1                       | D2                       | D3                       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| O1                                                                                                                                                                                                                                     | B1                                  | B2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | B3                                  | D1                                                                                                                                                                                                                                                                                                                                                                                                                           | D2                                  | D3                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| <input type="checkbox"/>                                                                                                                                                                                                               | <input type="checkbox"/>            | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <input type="checkbox"/>            | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/>            | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                             |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Coupling: Coupled                                                                                                                                                                                                                      |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     | C1 C2 C3 C4 C5 S1 S2 S3 S4 S5                                                                                                                                                                                                                                                                                                                                                                                                |                                     | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> |                          |                                             |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| <input type="checkbox"/>                                                                                                                                                                                                               | <input type="checkbox"/>            | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <input type="checkbox"/>            | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/>            | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                             | <input type="checkbox"/> | <input type="checkbox"/>                    | <input type="checkbox"/> |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Confinement: Frequently Confined                                                                                                                                                                                                       |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Morphology: CP Cascade Pool                                                                                                                                                                                                            |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| COVER                                                                                                                                                                                                                                  |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Total Cover: Abundant                                                                                                                                                                                                                  |                                     | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td>Type:</td> <td>SWD</td> <td>LWD</td> <td>B</td> <td>U</td> <td>DP</td> <td>OV</td> <td>IV</td> </tr> <tr> <td>Amount:</td> <td>T</td> <td>T</td> <td>D</td> <td>N</td> <td>S</td> <td>T</td> <td>N</td> </tr> <tr> <td>Location: P/S/O:</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          | Type:                    | SWD                      | LWD                      | B                        | U                        | DP                       | OV                       | IV                       | Amount:                  | T                        | T                        | D                        | N                        | S                        | T | N                                                                                                                                                                                                                                                                                                                               | Location: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |       |    |    |   |                 |      |       |       |   |
| Type:                                                                                                                                                                                                                                  | SWD                                 | LWD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | B                                   | U                                                                                                                                                                                                                                                                                                                                                                                                                            | DP                                  | OV                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IV                       |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Amount:                                                                                                                                                                                                                                | T                                   | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | D                                   | N                                                                                                                                                                                                                                                                                                                                                                                                                            | S                                   | T                                                                                                                                                                                                                                                                                                                                                                                                                                                    | N                        |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Location: P/S/O:                                                                                                                                                                                                                       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <input checked="" type="checkbox"/> | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                  | <input type="checkbox"/> |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| LWD: Few                                                                                                                                                                                                                               |                                     | FSZ: <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| LWD Dist: Evenly Distributed                                                                                                                                                                                                           |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Right Bank: Shape: Sloping (g)                                                                                                                                                                                                         |                                     | Texture: Fines <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     | Gravel <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                              |                                     | Cobble <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                           |                          | Boulder <input checked="" type="checkbox"/> |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Left Bank: Shape: Sloping (g)                                                                                                                                                                                                          |                                     | Texture: Fines <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     | Gravel <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                              |                                     | Cobble <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                           |                          | Boulder <input checked="" type="checkbox"/> |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Right Bank: Rip.Veg: Mixed C/D                                                                                                                                                                                                         |                                     | Stage: Mature forest                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     | Rock <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                |                                     | Manmade <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                     |                          | Crown Closure 1-20%                         |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |                                     | Stage: Mature forest                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     | Instream Veg: None <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                  |                                     | Algae <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                       |                          | Moss <input checked="" type="checkbox"/>    |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
|                                                                                                                                                                                                                                        |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          | Vascular <input type="checkbox"/>           |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| FISH                                                                                                                                                                                                                                   |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                             |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| Site Number                                                                                                                                                                                                                            | Capture Method                      | Number of Events                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Length fished (m)                   | Total Time                                                                                                                                                                                                                                                                                                                                                                                                                   | Voltage                             | Species                                                                                                                                                                                                                                                                                                                                                                                                                                              | Total Fish               | Minimum Length (mm)                         | Maximum Length (mm)      |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |
| 14                                                                                                                                                                                                                                     | EF                                  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 100                                 | 201 sec                                                                                                                                                                                                                                                                                                                                                                                                                      | 600                                 | DV                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2                        | 72                                          | 79                       |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |                                                                                                                                                                                                                                                                                                                                 |                  |                                     |                                     |                                     |                          |                                     |                                     |                          |       |    |    |   |                 |      |       |       |   |



# FDIS Site Card

## Shelagoyte River Planning Area

Watershed Code: 480-195700-48200-22800-0000-0000-000-000-000-000-000

Reach # 1.0 ILP Map # ILP # Site 14

### PROJECT

Project Name: Shelagoyte Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000

Project Code: 1550

### WATERSHED

Gazetted Name: Local Name: None  
Watershed Code: 480-195700-48200-22800-0000-0000-000-000-000-000-000  
ILP Map#: ILP #: NID Map #: 093M.074 NID #: 22014 Reach #: 1.0 Site #: 14  
Field UTM (Z.E.N): 9.604900.6185185 Method: GPU Site Lg: 100 Method: GE Access: H  
GIS UTM (Z.E.N): 9.604870.6185035 Ref. Name:  
Date: 2001/08/06 Time: 12:20 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |            | Gadient % | Mtd  | Avg |       |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------------|-----------|------|-----|-------|
| Channel Width (m): | MS  | 6.10  | 5.70  | 6.00  | 5.00  | 5.20  | 5.40  |       |       |       |       | 5.57 | Method I:  | 11.0      | 10.0 | C   | 10.00 |
| Wetted Width (m):  | MS  | 6.10  | 5.70  | 6.00  | 5.00  | 5.20  | 5.40  |       |       |       |       | 5.57 | Method II: | 8.0       | 11.0 | C   |       |
| Pool Depth (m):    | MS  | 0.40  | 0.30  | 0.30  | 0.20  | 0.30  | 0.20  |       |       |       |       | 0.28 |            |           |      |     |       |

Wb Depth: .5 .4 .4 Avg: 0.43 Method: MS Stage: L ☐ M ☐ H ☒ No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                                   | U                        | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | T                                   | D                                   | N                        | S                                   | T                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☐ A ☐ M ☒ V ☐

LWD: F DIST: E

LB SHP: S

Texture: F ☐ G ☐ C ☒ B ☒ R ☐ A ☐

RIP: M

STG: MF

RB SHP: S

Texture: F ☐ G ☐ C ☒ B ☒ R ☐ A ☐

RIP: M

STG: MF

### WATER

EMS: Temp: 5 Method: T4 Req #: Cond.: 40 Method: S3  
pH: 7.8 Method: P2 Turb.: T ☐ M ☐ L ☐ C ☒ Method: GE  
Flood Signs: Rafted debris Method: GE

### MORPHOLOGY

Bed Material: Dominant: C Subdom: B O1 B1 B2 B3 D1 D2 D3  
D95: 72.0 D (cm): 13.00 Morph: CP DISTURBANCE INDICATORS  
Pattern: SI C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: I  
Coupling: CO  
Confinement: FC  
FSZ: ☐ Bars: N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                                                                         |
|--------------------|--------------------------------------------------------------------------------------------------|
| OverWinter Habitat | Overwintering present in deep pools                                                              |
| Cover              | Poor-very fast moving water behind boulders and under overstream vegetation. Some cover in pools |
| Rearing Habitat    | Poor-high energy cascade/pool complex with very little slow moving water                         |
| Spawning Habitat   | None observed-section sampled was cobble dominant                                                |

### PHOTOS

| Photo           | Foc Lg | Dir | Comments                                            |
|-----------------|--------|-----|-----------------------------------------------------|
| R: 2 F: 5 STD U |        |     | Upstream photo of high energy cascade section       |
| R: 2 F: 6 STD D |        |     | Downstream photo of cascade section into confluence |

## Shelagyote River Planning Area

Watershed Code: 480-195700-48200-22800-0000-0000-000-000-000-000-000

Reach #

ILP Map #

ILP #

Site

1.0

14

| COMMENTS |             |
|----------|-------------|
| Section  | Comments    |
| CHANNEL  | DV captured |



# FDIS Fish Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-48200-22800-0000-0000-000-000-000-000-000

Reach # 1.0  
ILP Map #  
ILP #

| WATERBODY                                                     |          |         |                          |                  |          |                |                |                 |         |              |         |                                    |         |
|---------------------------------------------------------------|----------|---------|--------------------------|------------------|----------|----------------|----------------|-----------------|---------|--------------|---------|------------------------------------|---------|
| Gazetted Name:                                                |          |         |                          |                  |          |                |                |                 |         | Local: None  |         |                                    |         |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-0   |          |         |                          |                  |          |                |                |                 |         |              |         |                                    |         |
| WS Code: 480-195700-48200-22800-0000-0000-000-000-000-000-000 |          |         |                          |                  |          |                |                |                 |         |              |         |                                    |         |
| Waterbody ID:                                                 |          |         |                          | ILP Map #:       |          |                |                | ILP #:          |         | Reach #: 1 - |         |                                    |         |
| Project ID: 1550                                              |          |         |                          | Lake/Stream: S   |          |                |                | Lake From Date: |         |              |         |                                    |         |
| Fish Permit #:                                                |          | 145084K |                          | Date: 2001/08/06 |          | To: 2001/08/06 |                | Agency: C172    |         | Crew: JD/EL  |         | Resample: <input type="checkbox"/> |         |
| SITE / METHOD                                                 |          |         |                          |                  |          |                |                |                 |         |              |         |                                    |         |
| Site#                                                         | NID Map  | NID #   | UTM:Zone/East/North/Mthd |                  |          | MTD/NO         |                | Temp            | Cond    | Turbid       | Comment |                                    |         |
| 14                                                            | 093M.074 | 22014   | 9                        | 604900           | 6185185  | GPU            | EF             | 1               | 5       | 40           | C       |                                    |         |
| A. GEAR SETTINGS                                              |          |         |                          |                  |          |                |                |                 |         |              |         |                                    |         |
| Site#                                                         | MTD/NO   | H/P     | Date In                  | Time In          | Date Out | Time Out       | Comment        |                 |         |              |         |                                    |         |
| 14                                                            | EF       | 1       | 1                        | 2001/08/06       | 12:20    | 2001/08/06     | 12:55          |                 |         |              |         |                                    |         |
| C. ELECTROFISHER SPECIFICATIONS                               |          |         |                          |                  |          |                |                |                 |         |              |         |                                    |         |
| Site#                                                         | MTD/NO   | H/P     | Encl                     | Sec              | Length   | Width          | Voltage        | Frequency       | Pulse   | Make         | Model   |                                    |         |
| 14                                                            | EF       | 1       | 1                        | O                | 201      | 100.0          | 1.0            | 600             | 70      | 6            | SMITH   | 12B                                |         |
|                                                               |          |         |                          |                  |          |                |                |                 |         | ROOT         |         |                                    |         |
| FISH SUMMARY                                                  |          |         |                          |                  |          |                |                |                 |         |              |         |                                    |         |
| Site#                                                         | MTD/NO   | H/P     | Species                  | Stage            | Age      | Total #        | Lgth (Min/Max) | FishAct         | Comment |              |         |                                    |         |
| 14                                                            | EF       | 1       | 1                        | DV               | J        | 2              | 72 79          | R               |         |              |         |                                    |         |
| INDIVIDUAL FISH DATA                                          |          |         |                          |                  |          |                |                |                 |         |              |         |                                    |         |
| Site#                                                         | MTD/NO   | H/P     | Species                  | Length           | Weight   | Sex            | Mat            | Age             | Vch#    | Genetic      | Roll #  | Frame#                             | Comment |
|                                                               |          |         |                          |                  |          |                |                | Str/Smpl#       | Age     | Str/Smpl#    |         |                                    |         |
| 14                                                            | EF       | 1       | 1                        | DV               | 79       |                | U              | U               |         |              |         |                                    |         |
| 14                                                            | EF       | 1       | 1                        | DV               | 72       |                | U              | U               |         |              |         |                                    |         |





Site #14, Upstream photo of high energy cascade section.  
Roll #2, Frame #5, Date: 2001/08/06



Site #14, Downstream photo of cascade section into confluence.  
Roll #2, Frame #6, Date: 2001/08/06



# FDIS Reach/Site Summary

Shelagyote River Planning Area

Watershed Code: 480-195700-48200-00000-0000-0000-000-000-000-000-000

Reach # 1.0 ILP Map # ILP #  
1.0

| STREAM REFERENCING                                                                                                                                                                                                                     |  |                                         |  |                                                         |  |                                             |  |                                              |        |                                                        |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------|--|---------------------------------------------------------|--|---------------------------------------------|--|----------------------------------------------|--------|--------------------------------------------------------|--|
| Gazetted Name:                                                                                                                                                                                                                         |  |                                         |  |                                                         |  | Local Name:                                 |  |                                              |        |                                                        |  |
| Watershed Code: 480-195700-48200-00000-0000-0000-000-000-000-000-000                                                                                                                                                                   |  |                                         |  |                                                         |  | ILP Map #:                                  |  |                                              | ILP #: |                                                        |  |
| REACH                                                                                                                                                                                                                                  |  |                                         |  |                                                         |  |                                             |  |                                              |        |                                                        |  |
| Reach #: 1.0                                                                                                                                                                                                                           |  | UTM(Zone/East/North): 9.603663.6186128  |  |                                                         |  | Sample Type: Random                         |  |                                              |        |                                                        |  |
| Length (km): 5.08                                                                                                                                                                                                                      |  | Coupling: Decoupled                     |  | Magnitude: 188                                          |  | BGC Zone: SBS                               |  |                                              |        |                                                        |  |
| Gradient (%): 2.3                                                                                                                                                                                                                      |  | Confinement: Unconfined                 |  | Order: 5                                                |  | Open water: Absent                          |  |                                              |        |                                                        |  |
| US Elev (m): 876                                                                                                                                                                                                                       |  | Islands: NONE                           |  | Riparian Vegetation: Deciduous                          |  |                                             |  |                                              |        |                                                        |  |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |  |                                         |  |                                                         |  |                                             |  |                                              |        |                                                        |  |
| SITE                                                                                                                                                                                                                                   |  |                                         |  |                                                         |  |                                             |  |                                              |        |                                                        |  |
| Site #: 15                                                                                                                                                                                                                             |  | Field UTM 9.604900.6185185              |  | Agency: C172                                            |  | Crew: JD/EL                                 |  | Date: 2001/08/06                             |        |                                                        |  |
| Site Length (m): 250                                                                                                                                                                                                                   |  | GIS UTM 9.604862.6185277                |  | Agency Name: Triton Environmental Consultants (Terrace) |  |                                             |  |                                              |        |                                                        |  |
| CHANNEL                                                                                                                                                                                                                                |  |                                         |  |                                                         |  |                                             |  |                                              |        |                                                        |  |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |  | Intermittent: <input type="checkbox"/>  |  |                                                         |  | Avg                                         |  | Min                                          |        | Max                                                    |  |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |  | Tribes.: <input type="checkbox"/>       |  |                                                         |  | Channel Width (m): 25.17                    |  | 22                                           |        | 28                                                     |  |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |  |                                         |  |                                                         |  | Wetted Width (m): 20.50                     |  | 17                                           |        | 23                                                     |  |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |  |                                         |  |                                                         |  | Bankfull Depth (m): 0.57                    |  | 0.5                                          |        | 0.6                                                    |  |
| High <input type="checkbox"/>                                                                                                                                                                                                          |  |                                         |  |                                                         |  |                                             |  |                                              |        |                                                        |  |
| Temp (C): 5                                                                                                                                                                                                                            |  | pH: 7.8                                 |  | Conductivity: 40                                        |  | Avg                                         |  | Min                                          |        | Max                                                    |  |
|                                                                                                                                                                                                                                        |  |                                         |  |                                                         |  | Gradient %: 5.25                            |  | 5                                            |        | 6                                                      |  |
|                                                                                                                                                                                                                                        |  |                                         |  |                                                         |  | Pool Depth (m): 0.68                        |  | 0.5                                          |        | 0.800                                                  |  |
|                                                                                                                                                                                                                                        |  |                                         |  |                                                         |  |                                             |  |                                              |        |                                                        |  |
|                                                                                                                                                                                                                                        |  |                                         |  |                                                         |  | Turbidity.: Turbid <input type="checkbox"/> |  | Low <input checked="" type="checkbox"/>      |        |                                                        |  |
|                                                                                                                                                                                                                                        |  |                                         |  |                                                         |  | Moderate <input type="checkbox"/>           |  | Clear <input type="checkbox"/>               |        |                                                        |  |
| MORPHOLOGY                                                                                                                                                                                                                             |  |                                         |  |                                                         |  |                                             |  |                                              |        |                                                        |  |
| Bed Material: Dominant: Cobble                                                                                                                                                                                                         |  | D95 (cm): 114.00                        |  | Bars: Non <input type="checkbox"/>                      |  | Side <input checked="" type="checkbox"/>    |  | Diagonal <input checked="" type="checkbox"/> |        | Mid-channel <input checked="" type="checkbox"/>        |  |
| Subdominant: Boulders                                                                                                                                                                                                                  |  | D (cm): 19.00                           |  |                                                         |  |                                             |  |                                              |        | Span <input type="checkbox"/>                          |  |
| Channel Pattern: Sinuous                                                                                                                                                                                                               |  | Islands: Occasional                     |  | DISTURBANCE                                             |  | O1                                          |  | B1                                           |        | B2                                                     |  |
| Coupling: Decoupled                                                                                                                                                                                                                    |  |                                         |  | INDICATORS                                              |  | <input type="checkbox"/>                    |  | <input type="checkbox"/>                     |        | <input type="checkbox"/>                               |  |
| Confinement: Frequently Confined                                                                                                                                                                                                       |  |                                         |  |                                                         |  | C1                                          |  | C2                                           |        | C3                                                     |  |
| Morphology: CP Cascade Pool                                                                                                                                                                                                            |  |                                         |  |                                                         |  | <input type="checkbox"/>                    |  | <input type="checkbox"/>                     |        | <input type="checkbox"/>                               |  |
|                                                                                                                                                                                                                                        |  |                                         |  |                                                         |  | C4                                          |  | C5                                           |        | S1                                                     |  |
|                                                                                                                                                                                                                                        |  |                                         |  |                                                         |  | <input type="checkbox"/>                    |  | <input type="checkbox"/>                     |        | <input type="checkbox"/>                               |  |
|                                                                                                                                                                                                                                        |  |                                         |  |                                                         |  | S2                                          |  | S3                                           |        | S4                                                     |  |
|                                                                                                                                                                                                                                        |  |                                         |  |                                                         |  | <input type="checkbox"/>                    |  | <input type="checkbox"/>                     |        | <input type="checkbox"/>                               |  |
|                                                                                                                                                                                                                                        |  |                                         |  |                                                         |  | S5                                          |  |                                              |        |                                                        |  |
|                                                                                                                                                                                                                                        |  |                                         |  |                                                         |  | <input type="checkbox"/>                    |  |                                              |        |                                                        |  |
| COVER                                                                                                                                                                                                                                  |  |                                         |  |                                                         |  |                                             |  |                                              |        |                                                        |  |
| Total Cover: Abundant                                                                                                                                                                                                                  |  | Type: SWD                               |  | LWD                                                     |  | B                                           |  | U                                            |        | DP                                                     |  |
| LWD: Few                                                                                                                                                                                                                               |  | Amount: T                               |  | S                                                       |  | D                                           |  | T                                            |        | T                                                      |  |
| LWD Dist: Evenly Distributed                                                                                                                                                                                                           |  | Location: P/S/O:                        |  | <input checked="" type="checkbox"/>                     |  | <input checked="" type="checkbox"/>         |  | <input checked="" type="checkbox"/>          |        | <input checked="" type="checkbox"/>                    |  |
|                                                                                                                                                                                                                                        |  |                                         |  | <input type="checkbox"/>                                |  | <input type="checkbox"/>                    |  | <input type="checkbox"/>                     |        | <input type="checkbox"/>                               |  |
| Right Bank: Shape: Sloping (g)                                                                                                                                                                                                         |  | Texture: Fines <input type="checkbox"/> |  | Gravel <input checked="" type="checkbox"/>              |  | Cobble <input checked="" type="checkbox"/>  |  | Boulder <input type="checkbox"/>             |        | Rock <input type="checkbox"/>                          |  |
| Left Bank: Shape: Sloping (g)                                                                                                                                                                                                          |  | Texture: Fines <input type="checkbox"/> |  | Gravel <input checked="" type="checkbox"/>              |  | Cobble <input checked="" type="checkbox"/>  |  | Boulder <input type="checkbox"/>             |        | Rock <input type="checkbox"/>                          |  |
| Right Bank: Rip.Veg: Mixed C/D                                                                                                                                                                                                         |  | Stage: Mature forest                    |  |                                                         |  |                                             |  |                                              |        | Crown Closure                                          |  |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |  | Stage: Mature forest                    |  |                                                         |  |                                             |  |                                              |        | 1-20%                                                  |  |
|                                                                                                                                                                                                                                        |  |                                         |  |                                                         |  |                                             |  |                                              |        | Instream Veg: None <input checked="" type="checkbox"/> |  |
|                                                                                                                                                                                                                                        |  |                                         |  |                                                         |  |                                             |  |                                              |        | Algae <input type="checkbox"/>                         |  |
|                                                                                                                                                                                                                                        |  |                                         |  |                                                         |  |                                             |  |                                              |        | Moss <input type="checkbox"/>                          |  |
|                                                                                                                                                                                                                                        |  |                                         |  |                                                         |  |                                             |  |                                              |        | Vascular <input type="checkbox"/>                      |  |

# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Reach # ILP Map # ILP #

Watershed Code: 480-195700-48200-00000-0000-0000-000-000-000-000-000

1.0

| SITE                                           |                |                                         |                   |                                                         |         |                                          |            |                                            |                     |                                                        |  |
|------------------------------------------------|----------------|-----------------------------------------|-------------------|---------------------------------------------------------|---------|------------------------------------------|------------|--------------------------------------------|---------------------|--------------------------------------------------------|--|
| Site #: 625                                    |                | Field UTM 9.607463.6184555              |                   | Agency: C172                                            |         | Crew: JH/RT                              |            | Date: 2001/09/14                           |                     |                                                        |  |
| Site Length (m): 600                           |                | GIS UTM 9.607387.6184620                |                   | Agency Name: Triton Environmental Consultants (Terrace) |         |                                          |            |                                            |                     |                                                        |  |
| CHANNEL                                        |                |                                         |                   |                                                         |         |                                          |            |                                            |                     |                                                        |  |
| No Vis.Ch.: <input type="checkbox"/>           |                | Intermittent: <input type="checkbox"/>  |                   | Avg                                                     |         | Min                                      |            | Max                                        |                     | #                                                      |  |
| Dewatered: <input type="checkbox"/>            |                | Tribes.: <input type="checkbox"/>       |                   | Channel Width (m):                                      |         | 16.37                                    |            | 12.2                                       |                     | 22.10                                                  |  |
| Stage: Low <input checked="" type="checkbox"/> |                |                                         |                   | Wetted Width (m):                                       |         | 7.08                                     |            | 3.6                                        |                     | 9.4                                                    |  |
| Med <input type="checkbox"/>                   |                |                                         |                   | Bankfull Depth (m):                                     |         | 1.30                                     |            | 1.2                                        |                     | 1.4                                                    |  |
| High <input type="checkbox"/>                  |                | Temp (C): 9                             |                   | pH: 7.2                                                 |         | Conductivity: 80                         |            |                                            |                     |                                                        |  |
|                                                |                |                                         |                   |                                                         |         |                                          |            | Avg                                        |                     | Min                                                    |  |
|                                                |                |                                         |                   |                                                         |         |                                          |            | Gradient %:                                |                     | 4                                                      |  |
|                                                |                |                                         |                   |                                                         |         |                                          |            | Pool Depth (m):                            |                     | 0.45                                                   |  |
|                                                |                |                                         |                   |                                                         |         |                                          |            | Turbidity: Turbid <input type="checkbox"/> |                     | Low <input type="checkbox"/>                           |  |
|                                                |                |                                         |                   |                                                         |         |                                          |            | Moderate <input type="checkbox"/>          |                     | Clear <input checked="" type="checkbox"/>              |  |
| MORPHOLOGY                                     |                |                                         |                   |                                                         |         |                                          |            |                                            |                     |                                                        |  |
| Bed Material: Dominant: Cobble                 |                | D95 (cm): 100.00                        |                   | Bars: Non <input type="checkbox"/>                      |         | Side <input checked="" type="checkbox"/> |            | Diagonal <input type="checkbox"/>          |                     | Mid-channel <input type="checkbox"/>                   |  |
| Subdominant: Boulders                          |                | D (cm): 50.00                           |                   |                                                         |         |                                          |            |                                            |                     | Span <input type="checkbox"/>                          |  |
| Channel Pattern: Irregular, Wandering          |                | Islands: None                           |                   | DISTURBANCE                                             |         | O1                                       |            | B1                                         |                     | B2                                                     |  |
| Coupling: Partially Coupled                    |                |                                         |                   | INDICATORS                                              |         | B3                                       |            | D1                                         |                     | D2                                                     |  |
| Confinement: Occasionally Confine              |                |                                         |                   |                                                         |         | C1                                       |            | C2                                         |                     | C3                                                     |  |
| Morphology: RP Riffle Pool                     |                |                                         |                   |                                                         |         | C4                                       |            | C5                                         |                     | S1                                                     |  |
|                                                |                |                                         |                   |                                                         |         | S2                                       |            | S3                                         |                     | S4                                                     |  |
|                                                |                |                                         |                   |                                                         |         | S5                                       |            |                                            |                     |                                                        |  |
| COVER                                          |                |                                         |                   |                                                         |         |                                          |            |                                            |                     |                                                        |  |
| Total Cover: Abundant                          |                | Type:                                   |                   | SWD                                                     |         | LWD                                      |            | B                                          |                     | U                                                      |  |
| LWD: Few                                       |                | Amount:                                 |                   | N                                                       |         | T                                        |            | D                                          |                     | T                                                      |  |
| LWD Dist: Clumped                              |                | Location: P/S/O:                        |                   | <input type="checkbox"/>                                |         | <input checked="" type="checkbox"/>      |            | <input checked="" type="checkbox"/>        |                     | <input checked="" type="checkbox"/>                    |  |
|                                                |                |                                         |                   | <input type="checkbox"/>                                |         | <input type="checkbox"/>                 |            | <input type="checkbox"/>                   |                     | <input type="checkbox"/>                               |  |
| Right Bank: Shape: Undercut                    |                | Texture: Fines <input type="checkbox"/> |                   | Gravel <input checked="" type="checkbox"/>              |         | Cobble <input type="checkbox"/>          |            | Boulder <input type="checkbox"/>           |                     | Rock <input type="checkbox"/>                          |  |
| Left Bank: Shape: Undercut                     |                | Texture: Fines <input type="checkbox"/> |                   | Gravel <input checked="" type="checkbox"/>              |         | Cobble <input type="checkbox"/>          |            | Boulder <input type="checkbox"/>           |                     | Rock <input type="checkbox"/>                          |  |
| Right Bank: Rip.Veg: Mixed C/D                 |                | Stage: Mature forest                    |                   |                                                         |         |                                          |            |                                            |                     | Manmade <input type="checkbox"/>                       |  |
| Left Bank: Rip.Veg:                            |                | Stage: Mature forest                    |                   |                                                         |         |                                          |            |                                            |                     | Crown Closure 1-20%                                    |  |
|                                                |                |                                         |                   |                                                         |         |                                          |            |                                            |                     | Instream Veg: None <input checked="" type="checkbox"/> |  |
|                                                |                |                                         |                   |                                                         |         |                                          |            |                                            |                     | Algae <input type="checkbox"/>                         |  |
|                                                |                |                                         |                   |                                                         |         |                                          |            |                                            |                     | Moss <input type="checkbox"/>                          |  |
|                                                |                |                                         |                   |                                                         |         |                                          |            |                                            |                     | Vascular <input type="checkbox"/>                      |  |
| FISH                                           |                |                                         |                   |                                                         |         |                                          |            |                                            |                     |                                                        |  |
| Site Number                                    | Capture Method | Number of Events                        | Length fished (m) | Total Time                                              | Voltage | Species                                  | Total Fish | Minimum Length (mm)                        | Maximum Length (mm) |                                                        |  |
| 15                                             | EF             | 1                                       | 250               | 310 sec                                                 | 600     | DV                                       | 10         | 54                                         | 80                  |                                                        |  |
| 15                                             | EF             | 1                                       | 250               | 310 sec                                                 | 600     | BT                                       | 5          | 59                                         | 86                  |                                                        |  |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-48200-00000-00000-00000-00000-00000-00000-00000

Reach # 1.0 ILP Map # ILP # Site 15

### PROJECT

Project Name: Shelagyote Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-00000-00000-00000-00000-00000-00000

Project Code: 1550

### WATERSHED

Gazetted Name: Local Name: None  
Watershed Code: 480-195700-48200-00000-00000-00000-00000-00000-00000-00000-00000  
ILP Map#: ILP #: NID Map #: 093M.084 NID #: 22015 Reach #: 1.0 Site #: 15  
Field UTM (Z.E.N): 9.604900.6185185 Method: GPU Site Lg: 250 Method: GE Access: H  
GIS UTM (Z.E.N): 9.604862.6185277 Ref. Name:  
Date: 2001/08/06 Time: 13:05 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg   |            | Gadient % | Mtd | Avg |      |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|-----------|-----|-----|------|
| Channel Width (m): | GE  | 28.00 | 25.00 | 22.00 | 25.00 | 28.00 | 23.00 |       |       |       |       | 25.17 | Method I:  | 6.0       | 5.0 | C   | 5.25 |
| Wetted Width (m):  | GE  | 23.00 | 20.00 | 19.00 | 23.00 | 21.00 | 17.00 |       |       |       |       | 20.50 | Method II: | 5.0       | 5.0 | C   |      |
| Pool Depth (m):    | MS  | 0.70  | 0.80  | 0.80  | 0.50  | 0.70  | 0.60  |       |       |       |       | 0.68  |            |           |     |     |      |

Wb Depth: .5 .6 .6 Avg: 0.57 Method: MS Stage: L ☐ M ☒ H ☐

No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                                   | U                                   | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | S                                   | D                                   | T                                   | T                                   | T                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

LWD: F DIST: E

LB SHP: S

Texture: F ☐ G ☒ C ☒ B ☐ R ☐ A ☐

RIP: M

STG: MF

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

RB SHP: S

Texture: F ☐ G ☒ C ☒ B ☐ R ☐ A ☐

RIP: M

STG: MF

### WATER

EMS: Temp: 5 Method: T4 Req #: Cond.: 40 Method: S3  
pH: 7.8 Method: P2 Turb.: T ☐ M ☐ L ☒ C ☐ Method: GE  
Flood Signs: LWD on islands Method: GE

### MORPHOLOGY

Bed Material: Dominant: C Subdom: B O1 B1 B2 B3 D1 D2 D3  
D95: 114.0 D (cm): 19.00 Morph: CP DISTURBANCE INDICATORS  
Pattern: SI C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: O  
Coupling: DC  
Confinement: FC  
FSZ: ☐ Bars: N ☐ SIDE ☒ DIAG ☒ MID ☒ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                                               |
|--------------------|------------------------------------------------------------------------|
| Overwinter Habitat | Overwintering habitat present in pools                                 |
| Cover              | Moderate-boulder and LWD complexes for cover                           |
| Rearing Habitat    | Moderate-good flow with slower moving water sections and side channels |
| Spawning Habitat   | Moderate-good raised gravel bars(clean loose gravel)                   |

### PHOTOS

| Photo     | Foc Lg | Dir | Comments                                                                 |
|-----------|--------|-----|--------------------------------------------------------------------------|
| R: 2 F: 7 | STD    | U   | Upstream photo of cascade section with LWD cover and island              |
| R: 2 F: 8 | STD    | D   | Downstream photo of stream flowing into corner with eroding bank and LWD |

# FDIS Site Card

## Shelagyote River Planning Area

|                                                                      |                    |         |           |       |      |
|----------------------------------------------------------------------|--------------------|---------|-----------|-------|------|
| Watershed Code: 480-195700-48200-00000-0000-0000-000-000-000-000-000 |                    | Reach # | ILP Map # | ILP # | Site |
|                                                                      |                    | 1.0     |           |       | 15   |
| COMMENTS                                                             |                    |         |           |       |      |
| Section                                                              | Comments           |         |           |       |      |
| CHANNEL                                                              | DV and BT captured |         |           |       |      |



# FDIS Fish Card

## Shelagoyote River Planning Area

Watershed Code: 480-195700-48200-00000-00000-00000-00000-00000-000

Reach # 1.0  
ILP Map #  
ILP #

| WATERBODY                                                      |          |       |                         |            |                  |            |                |                |         |                 |               |              |        |                                    |         |
|----------------------------------------------------------------|----------|-------|-------------------------|------------|------------------|------------|----------------|----------------|---------|-----------------|---------------|--------------|--------|------------------------------------|---------|
| Gazetted Name:                                                 |          |       |                         |            |                  |            |                |                |         | Local: None     |               |              |        |                                    |         |
| Project Code: 480-000000-00000-00000-00000-00000-00000-00000-0 |          |       |                         |            |                  |            |                |                |         |                 |               |              |        |                                    |         |
| WS Code: 480-195700-48200-00000-00000-00000-00000-00000-000    |          |       |                         |            |                  |            |                |                |         |                 |               |              |        |                                    |         |
| Waterbody ID:                                                  |          |       |                         |            | ILP Map #:       |            |                |                |         | ILP #:          |               | Reach #: 1 - |        |                                    |         |
| Project ID: 1550                                               |          |       |                         |            | Lake/Stream: S   |            |                |                |         | Lake From Date: |               |              |        |                                    |         |
| Fish Permit #: 145084K                                         |          |       |                         |            | Date: 2001/08/06 |            |                | To: 2001/08/06 |         | Agency: C172    |               | Crew: JD/EL  |        | Resample: <input type="checkbox"/> |         |
| SITE / METHOD                                                  |          |       |                         |            |                  |            |                |                |         |                 |               |              |        |                                    |         |
| Site#                                                          | NID Map  | NID # | UTM:Zone/East/North/Mhd |            |                  |            | MTD/NO         |                | Temp    | Cond            | Turbid        | Comment      |        |                                    |         |
| 15                                                             | 093M.084 | 22015 | 9                       | 604900     | 6185185          | GPU        | EF             | 1              | 5       | 40              | L             |              |        |                                    |         |
| A. GEAR SETTINGS                                               |          |       |                         |            |                  |            |                |                |         |                 |               |              |        |                                    |         |
| Site#                                                          | MTD/NO   | H/P   | Date In                 | Time In    | Date Out         | Time Out   | Comment        |                |         |                 |               |              |        |                                    |         |
| 15                                                             | EF       | 1     | 1                       | 2001/08/06 | 13:05            | 2001/08/06 | 13:45          |                |         |                 |               |              |        |                                    |         |
| C. ELECTROFISHER SPECIFICATIONS                                |          |       |                         |            |                  |            |                |                |         |                 |               |              |        |                                    |         |
| Site#                                                          | MTD/NO   | H/P   | Encl                    | Sec        | Length           | Width      | Voltage        | Frequency      | Pulse   | Make            | Model         |              |        |                                    |         |
| 15                                                             | EF       | 1     | 1                       | O          | 310              | 250.0      | 1.0            | 600            | 70      | 6               | SMITH<br>ROOT | 12B          |        |                                    |         |
| FISH SUMMARY                                                   |          |       |                         |            |                  |            |                |                |         |                 |               |              |        |                                    |         |
| Site#                                                          | MTD/NO   | H/P   | Species                 | Stage      | Age              | Total #    | Lgth (Min/Max) |                | FishAct | Comment         |               |              |        |                                    |         |
| 15                                                             | EF       | 1     | 1                       | BT         | J                | 5          | 59             | 86             | R       |                 |               |              |        |                                    |         |
| 15                                                             | EF       | 1     | 1                       | DV         | J                | 10         | 54             | 80             | R       |                 |               |              |        |                                    |         |
| INDIVIDUAL FISH DATA                                           |          |       |                         |            |                  |            |                |                |         |                 |               |              |        |                                    |         |
| Site#                                                          | MTD/NO   | H/P   | Species                 | Length     | Weight           | Sex        | Mat            | Age            |         | Vch#            | Genetic       |              | Roll # | Frame#                             | Comment |
|                                                                |          |       |                         |            |                  |            |                | Str/Smpl#      | Age     |                 | Str/Smpl#     |              |        |                                    |         |
| 15                                                             | EF       | 1     | 1                       | BT         | 62               |            | U              | U              |         |                 |               |              |        |                                    |         |
| 15                                                             | EF       | 1     | 1                       | BT         | 71               |            | U              | U              |         |                 |               |              |        |                                    |         |
| 15                                                             | EF       | 1     | 1                       | DV         | 55               |            | U              | U              |         |                 |               |              |        |                                    |         |
| 15                                                             | EF       | 1     | 1                       | DV         | 78               |            | U              | U              |         |                 |               |              |        |                                    |         |
| 15                                                             | EF       | 1     | 1                       | DV         | 72               |            | U              | U              |         |                 |               |              |        |                                    |         |
| 15                                                             | EF       | 1     | 1                       | DV         | 80               |            | U              | U              |         |                 |               |              |        |                                    |         |
| 15                                                             | EF       | 1     | 1                       | DV         | 61               |            | U              | U              |         |                 |               |              |        |                                    |         |
| 15                                                             | EF       | 1     | 1                       | BT         | 84               |            | U              | U              |         |                 |               |              |        |                                    |         |
| 15                                                             | EF       | 1     | 1                       | BT         | 86               |            | U              | U              |         |                 |               |              |        |                                    |         |
| 15                                                             | EF       | 1     | 1                       | DV         | 54               |            | U              | U              |         |                 |               |              |        |                                    |         |
| 15                                                             | EF       | 1     | 1                       | BT         | 59               |            | U              | U              |         |                 |               |              |        |                                    |         |
| 15                                                             | EF       | 1     | 1                       | DV         | 54               |            | U              | U              |         |                 |               |              |        |                                    |         |
| 15                                                             | EF       | 1     | 1                       | DV         | 62               |            | U              | U              |         |                 |               |              |        |                                    |         |
| 15                                                             | EF       | 1     | 1                       | DV         | 79               |            | U              | U              |         |                 |               |              |        |                                    |         |
| 15                                                             | EF       | 1     | 1                       | DV         | 75               |            | U              | U              |         |                 |               |              |        |                                    |         |





Site #15, Upstream photo of cascade section with LWD cover and island.  
Roll #2, Frame #7, Date: 2001/08/06



Site #15, Downstream photo of stream flowing into corner with eroding bank and LWD.  
Roll #2, Frame #8, Date: 2001/08/06



# FDIS Reach/Site Summary

Shelagyote River Planning Area

Watershed Code: 480-195700-48200-36200-0000-0000-000-000-000-000-000

Reach # 6.0 ILP Map # ILP #  
6.0

| STREAM REFERENCING                                                                                                                                                                                                                     |                |                                                    |                   |                                                         |             |                                            |            |                                                                  |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------|-------------------|---------------------------------------------------------|-------------|--------------------------------------------|------------|------------------------------------------------------------------|---------------------|
| Gazetted Name:                                                                                                                                                                                                                         |                |                                                    |                   |                                                         | Local Name: |                                            |            |                                                                  |                     |
| Watershed Code: 480-195700-48200-36200-0000-0000-000-000-000-000-000                                                                                                                                                                   |                |                                                    |                   |                                                         | ILP Map #:  |                                            | ILP #:     |                                                                  |                     |
| REACH                                                                                                                                                                                                                                  |                |                                                    |                   |                                                         |             |                                            |            |                                                                  |                     |
| Reach #: 6.0                                                                                                                                                                                                                           |                | UTM (Zone/East/North): 9.600624.6185865            |                   |                                                         |             | Sample Type: Biased                        |            |                                                                  |                     |
| Length (km): .91                                                                                                                                                                                                                       |                | Coupling: Partially Couple                         |                   | Magnitude: 25                                           |             | BGC Zone: ESSF                             |            |                                                                  |                     |
| Gradient (%): 4.2                                                                                                                                                                                                                      |                | Confinement: Occasionally Conf                     |                   | Order: 3                                                |             | Open water: Absent                         |            |                                                                  |                     |
| US Elev (m): 1192                                                                                                                                                                                                                      |                | Islands: NONE                                      |                   | Riparian Vegetation: Coniferous                         |             |                                            |            |                                                                  |                     |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                |                                                    |                   |                                                         |             |                                            |            |                                                                  |                     |
| SITE                                                                                                                                                                                                                                   |                |                                                    |                   |                                                         |             |                                            |            |                                                                  |                     |
| Site #: 16                                                                                                                                                                                                                             |                | Field UTM 9.601376.6185747                         |                   | Agency: C172                                            |             | Crew: JD/EL                                |            | Date: 2001/08/06                                                 |                     |
| Site Length (m): 150                                                                                                                                                                                                                   |                | GIS UTM 9.601251.6185840                           |                   | Agency Name: Triton Environmental Consultants (Terrace) |             |                                            |            |                                                                  |                     |
| CHANNEL                                                                                                                                                                                                                                |                |                                                    |                   |                                                         |             |                                            |            |                                                                  |                     |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |                | Intermittent: <input type="checkbox"/>             |                   | Avg                                                     |             | Min                                        |            | Max                                                              |                     |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |                | Tribes.: <input type="checkbox"/>                  |                   | Channel Width (m): 10.17                                |             | 9                                          |            | 12                                                               |                     |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |                |                                                    |                   | Wetted Width (m): 9.00                                  |             | 8                                          |            | 10                                                               |                     |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |                |                                                    |                   | Bankfull Depth (m): 0.37                                |             | 0.3                                        |            | 0.4                                                              |                     |
| High <input type="checkbox"/>                                                                                                                                                                                                          |                |                                                    |                   |                                                         |             |                                            |            |                                                                  |                     |
| Temp (C): 5                                                                                                                                                                                                                            |                | pH: 7.9                                            |                   | Conductivity: 40                                        |             |                                            |            |                                                                  |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |             | Turbidity: Turbid <input type="checkbox"/> |            | Low <input checked="" type="checkbox"/>                          |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |             |                                            |            | Moderate <input type="checkbox"/> Clear <input type="checkbox"/> |                     |
| MORPHOLOGY                                                                                                                                                                                                                             |                |                                                    |                   |                                                         |             |                                            |            |                                                                  |                     |
| Bed Material: Dominant: Gravels                                                                                                                                                                                                        |                | D95 (cm): 16.00                                    |                   | Bars: Non <input type="checkbox"/>                      |             | Side <input checked="" type="checkbox"/>   |            | Diagonal <input type="checkbox"/>                                |                     |
| Subdominant: Cobble                                                                                                                                                                                                                    |                | D (cm): 7.00                                       |                   |                                                         |             |                                            |            | Mid-channel <input type="checkbox"/>                             |                     |
| Channel Pattern: Irregular, Wandering                                                                                                                                                                                                  |                | Islands: None                                      |                   | DISTURBANCE                                             |             | O1                                         |            | B1                                                               |                     |
| Coupling: Coupled                                                                                                                                                                                                                      |                |                                                    |                   | INDICATORS                                              |             | B2                                         |            | B3                                                               |                     |
| Confinement: Occasionally Confine                                                                                                                                                                                                      |                |                                                    |                   |                                                         |             | D1                                         |            | D2                                                               |                     |
| Morphology: RP Riffle Pool                                                                                                                                                                                                             |                |                                                    |                   |                                                         |             | D3                                         |            |                                                                  |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | C1                                                      |             | C2                                         |            | C3                                                               |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | C4                                                      |             | C5                                         |            | S1                                                               |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | S2                                                      |             | S3                                         |            | S4                                                               |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | S5                                                      |             |                                            |            |                                                                  |                     |
| COVER                                                                                                                                                                                                                                  |                |                                                    |                   |                                                         |             |                                            |            |                                                                  |                     |
| Total Cover: Abundant                                                                                                                                                                                                                  |                | Type: SWD                                          |                   | LWD                                                     |             | B                                          |            | U                                                                |                     |
| LWD: None                                                                                                                                                                                                                              |                | Amount: T                                          |                   | N                                                       |             | T                                          |            | T                                                                |                     |
| LWD Dist: Not Applicable                                                                                                                                                                                                               |                | Location: P/S/O:                                   |                   | <input checked="" type="checkbox"/>                     |             | <input type="checkbox"/>                   |            | <input checked="" type="checkbox"/>                              |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | <input type="checkbox"/>                                |             | <input type="checkbox"/>                   |            | <input type="checkbox"/>                                         |                     |
| Right Bank: Shape: Undercut                                                                                                                                                                                                            |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input checked="" type="checkbox"/>              |             | Cobble <input type="checkbox"/>            |            | Boulder <input type="checkbox"/>                                 |                     |
| Left Bank: Shape: Undercut                                                                                                                                                                                                             |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input checked="" type="checkbox"/>              |             | Cobble <input type="checkbox"/>            |            | Boulder <input type="checkbox"/>                                 |                     |
| Right Bank: Rip.Veg: Mixed C/D                                                                                                                                                                                                         |                | Stage: Mature forest                               |                   | Instream Veg: None <input checked="" type="checkbox"/>  |             | Algae <input type="checkbox"/>             |            | Moss <input type="checkbox"/>                                    |                     |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |                | Stage: Mature forest                               |                   |                                                         |             | Vascular <input type="checkbox"/>          |            |                                                                  |                     |
| FISH                                                                                                                                                                                                                                   |                |                                                    |                   |                                                         |             |                                            |            |                                                                  |                     |
| Site Number                                                                                                                                                                                                                            | Capture Method | Number of Events                                   | Length fished (m) | Total Time                                              | Voltage     | Species                                    | Total Fish | Minimum Length (mm)                                              | Maximum Length (mm) |
| 16                                                                                                                                                                                                                                     | EF             | 1                                                  | 150               | 186 sec                                                 | 800         | NFC                                        | 0          |                                                                  |                     |



# FDIS Site Card

## Shelagoyte River Planning Area

Watershed Code: 480-195700-48200-36200-0000-0000-000-000-000-000-000

Reach # 6.0 ILP Map # ILP # Site 16

### PROJECT

Project Name: Shelagoyte Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000

Project Code: 1550

### WATERSHED

Gazetted Name: Watershed Code: 480-195700-48200-36200-0000-0000-000-000-000-000-000  
ILP Map #: ILP #: NID Map #: 093M.084 NID #: 22016 Reach #: 6.0 Site #: 16  
Field UTM (Z.E.N): 9.601376.6185747 Method: GPU Site Lg: 150 Method: GE Access: H  
GIS UTM (Z.E.N): 9.601251.6185840 Ref. Name:  
Date: 2001/08/06 Time: 11:10 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg   |            | Gadient % |     | Mtd | Avg  |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|-----------|-----|-----|------|
| Channel Width (m): | GE  | 9.00  | 10.00 | 9.00  | 12.00 | 10.00 | 11.00 |       |       |       |       | 10.17 | Method I:  | 4.0       | 3.0 | C   | 4.00 |
| Wetted Width (m):  | GE  | 9.00  | 9.00  | 9.00  | 10.00 | 8.00  | 9.00  |       |       |       |       | 9.00  | Method II: | 6.0       | 3.0 | C   |      |
| Pool Depth (m):    | MS  | 0.60  | 0.50  | 0.50  | 0.40  | 0.60  | 0.30  |       |       |       |       | 0.48  |            |           |     |     |      |

Wb Depth: .3 .4 .4 Avg: 0.37 Method: MS Stage: L ☐ M ☒ H ☐

No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                      | B                                   | U                                   | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | N                        | T                                   | T                                   | D                                   | S                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

LWD: N DIST: NA

LB SHP: U

Texture: F ☒ G ☒ C ☐ B ☐ R ☐ A ☐

RIP: M

STG: MF

RB SHP: U

Texture: F ☒ G ☒ C ☐ B ☐ R ☐ A ☐

RIP: M

STG: MF

### WATER

EMS: Temp: 5 Method: T4 Req #: Cond.: 40 Method: S3  
pH: 7.9 Method: P2 Turb.: T ☐ M ☐ L ☒ C ☐ Method: GE  
Flood Signs: None observed Method: GE

### MORPHOLOGY

Bed Material: Dominant: G Subdom: C O1 B1 B2 B3 D1 D2 D3  
D95: 16.0 D (cm): 7.00 Morph: RP DISTURBANCE INDICATORS  
Pattern: IR C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: N  
Coupling: CO  
Confinement: OC  
FSZ: ☐ Bars: N ☐ SIDE ☒ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                                            |
|--------------------|---------------------------------------------------------------------|
| OverWinter Habitat | Present in deep channel                                             |
| Cover              | Moderate-deep channel with banks covered with overstream vegetation |
| Rearing Habitat    | Moderate-riffle glide sections with occasional cascades             |
| Spawning Habitat   | Moderate-clean loose gravel throughout site                         |

### PHOTOS

| Photo      | Foc Lg | Dir | Comments                                                               |
|------------|--------|-----|------------------------------------------------------------------------|
| R: 2 F: 10 | STD    | D   | Downstream photo of riffle section with overstream vegetation on banks |
| R: 2 F: 9  | STD    | U   | Upstream photo of riffle section with mid gravel bar                   |



## Shelagyote River Planning Area

Watershed Code: 480-195700-48200-36200-0000-0000-000-000-000-000-000

| Reach # | ILP Map # | ILP # | Site |
|---------|-----------|-------|------|
| 6.0     |           |       | 16   |

| COMMENTS |                                                                |
|----------|----------------------------------------------------------------|
| Section  | Comments                                                       |
| CHANNEL  | Site located above multiple cascades (fish barrier) downstream |
| CHANNEL  | S5 Stream                                                      |

# FDIS Fish Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-48200-36200-0000-0000-000-000-000-000-000

Reach # 6.0  
ILP Map #  
ILP #

| WATERBODY                                                       |          |       |                          |            |                |                |                |                 |             |              |                                    |     |  |
|-----------------------------------------------------------------|----------|-------|--------------------------|------------|----------------|----------------|----------------|-----------------|-------------|--------------|------------------------------------|-----|--|
| Gazetted Name:                                                  |          |       |                          |            |                | Local: None    |                |                 |             |              |                                    |     |  |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-000-0 |          |       |                          |            |                |                |                |                 |             |              |                                    |     |  |
| WS Code: 480-195700-48200-36200-0000-0000-000-000-000-000-000   |          |       |                          |            |                |                |                |                 |             |              |                                    |     |  |
| Waterbody ID:                                                   |          |       |                          |            |                | ILP Map #:     |                | ILP #:          |             | Reach #: 6 - |                                    |     |  |
| Project ID: 1550                                                |          |       |                          |            |                | Lake/Stream: S |                | Lake From Date: |             |              |                                    |     |  |
| Fish Permit #: 145084K                                          |          |       | Date: 2001/08/06         |            | To: 2001/08/06 |                | Agency: C172   |                 | Crew: JD/EL |              | Resample: <input type="checkbox"/> |     |  |
| SITE / METHOD                                                   |          |       |                          |            |                |                |                |                 |             |              |                                    |     |  |
| Site#                                                           | NID Map  | NID # | UTM:Zone/East/North/Mthd |            |                | MTD/NO         |                | Temp            | Cond        | Turbid       | Comment                            |     |  |
| 16                                                              | 093M.084 | 22016 |                          |            |                | GPU            | EF             | 1               | 5           | 40           | L                                  |     |  |
| A. GEAR SETTINGS                                                |          |       |                          |            |                |                |                |                 |             |              |                                    |     |  |
| Site#                                                           | MTD/NO   | H/P   | Date In                  | Time In    | Date Out       | Time Out       | Comment        |                 |             |              |                                    |     |  |
| 16                                                              | EF       | 1     | 1                        | 2001/08/06 | 11:10          | 2001/08/06     | 11:50          |                 |             |              |                                    |     |  |
| C. ELECTROFISHER SPECIFICATIONS                                 |          |       |                          |            |                |                |                |                 |             |              |                                    |     |  |
| Site#                                                           | MTD/NO   | H/P   | Encl                     | Sec        | Length         | Width          | Voltage        | Frequency       | Pulse       | Make         | Model                              |     |  |
| 16                                                              | EF       | 1     | 1                        | O          | 186            | 150.0          | 6.0            | 800             | 60          | 6            | SMITH<br>ROOT                      | 12B |  |
| FISH SUMMARY                                                    |          |       |                          |            |                |                |                |                 |             |              |                                    |     |  |
| Site#                                                           | MTD/NO   | H/P   | Species                  | Stage      | Age            | Total #        | Lgth (Min/Max) | FishAct         | Comment     |              |                                    |     |  |
| 16                                                              | EF       | 1     | 1                        | NFC        |                | 0              |                |                 |             |              |                                    |     |  |





Site #16, Upstream photo of riffle section with mid gravel bar.  
Roll #2, Frame #9, Date: 2001/08/06



Site #16, Downstream photo of riffle section with overstream vegetation on banks.  
Roll #2, Frame #10, Date: 2001/08/06

# FDIS Reach Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-48200-36200-4610-0000-000-000-000-000-000

Reach # 1.0  
ILP Map #  
ILP #

| PROJECT                                                                        |                |                  |                                             |                                                  |                               |                              |                               |                             |    |
|--------------------------------------------------------------------------------|----------------|------------------|---------------------------------------------|--------------------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|----|
| Project Name: Shelagyote Inventory                                             |                |                  |                                             |                                                  | Project Code: 1550            |                              |                               |                             |    |
| Stream Name (gaz.): BABINE RIVER                                               |                |                  |                                             |                                                  |                               |                              |                               |                             |    |
| Project Watershed Code: 480-000000-00000-00000-0000-0000-000-000-000-000-000   |                |                  |                                             |                                                  |                               |                              |                               |                             |    |
| WATERSHED                                                                      |                |                  |                                             |                                                  |                               |                              |                               |                             |    |
| Reach Watershed Code: 480-195700-48200-36200-4610-0000-000-000-000-000-000-000 |                |                  |                                             |                                                  |                               |                              |                               |                             |    |
| ILP Map #:                                                                     | ILP #:         | Reach #:         | 1.0                                         | NID Map #:                                       | 093M.084                      | NID #:                       | 13004                         |                             |    |
| Air Photos                                                                     |                | Names            |                                             | UTM(Zone/East/North/Method)                      |                               |                              |                               |                             |    |
| LINE: 30BCB92049                                                               |                | Gaz.:            |                                             | 9.600633.6185582   GIS                           |                               |                              |                               |                             |    |
| #: 150                                                                         |                | Local:           |                                             | Sample Type: B Wetland: <input type="checkbox"/> |                               |                              |                               |                             |    |
| SURVEY INFO                                                                    |                |                  |                                             |                                                  |                               |                              |                               |                             |    |
| Date: 2001/07/11                                                               |                |                  | Agency: C172                                |                                                  |                               | Crew: JH/JA                  |                               |                             |    |
| ATTRIBUTES                                                                     |                |                  |                                             |                                                  |                               |                              |                               |                             |    |
| Length (km): .90                                                               | Gradient: 7.78 | Setting: MP      | DISTURBANCE INDICATORS                      |                                                  |                               |                              |                               |                             |    |
| DS Elev.: 1152                                                                 | Order: 3       | Open water: P    | O1                                          | B1                                               | B2                            | B3                           | D1                            | D2                          | D3 |
| US Elev: 1222                                                                  | Magnitude: 7   | Confinement: OC  | C1                                          | C2                                               | C3                            | C4                           | C5                            | S1                          | S2 |
|                                                                                | BGC Zone: ESSF | Coupling: PC     |                                             |                                                  |                               |                              |                               | S3                          | S4 |
| Valley Flat: N                                                                 | C/D:           |                  |                                             |                                                  |                               |                              |                               | S5                          |    |
| Active Floodplain Visible: <input type="checkbox"/>                            | Est. Width:    | Islands: N       | Bars: <input checked="" type="checkbox"/> N | <input type="checkbox"/> SIDE                    | <input type="checkbox"/> DIAG | <input type="checkbox"/> MID | <input type="checkbox"/> SPAN | <input type="checkbox"/> BR |    |
| Channel Pattern: SI                                                            |                | Mass Movement: M | Riparian Veg.: C                            |                                                  |                               | Exposed/Eroded: NS           |                               |                             |    |
|                                                                                |                |                  |                                             |                                                  |                               | Landuse: NO                  |                               |                             |    |

| MAPS     |          |      |
|----------|----------|------|
| Map Type | Map #    | Year |
| TRIM     | 093M.084 | 1995 |



# FDIS Fish Card

## Shelagyote River Planning Area

Reach #      ILP Map #      ILP #

Watershed Code:      480-195700-48200-36200-4610-0000-000-000-000-000-000      1.0

| WATERBODY                                                     |          |                  |                         |                |          |              |                |                 |         |                                    |               |     |  |
|---------------------------------------------------------------|----------|------------------|-------------------------|----------------|----------|--------------|----------------|-----------------|---------|------------------------------------|---------------|-----|--|
| Gazetted Name:                                                |          |                  |                         |                |          |              |                |                 |         | Local: None                        |               |     |  |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-0   |          |                  |                         |                |          |              |                |                 |         |                                    |               |     |  |
| WS Code: 480-195700-48200-36200-4610-0000-000-000-000-000-000 |          |                  |                         |                |          |              |                |                 |         |                                    |               |     |  |
| Waterbody ID:                                                 |          |                  |                         | ILP Map #:     |          |              |                | ILP #:          |         | Reach #: 1 -                       |               |     |  |
| Project ID: 1550                                              |          |                  |                         | Lake/Stream: S |          |              |                | Lake From Date: |         |                                    |               |     |  |
| Fish Permit #: 145084K                                        |          | Date: 2001/08/06 |                         | To: 2001/08/06 |          | Agency: C172 |                | Crew: JD/EL     |         | Resample: <input type="checkbox"/> |               |     |  |
| SITE / METHOD                                                 |          |                  |                         |                |          |              |                |                 |         |                                    |               |     |  |
| Site#                                                         | NID Map  | NID #            | UTM:Zone/East/North/Mhd |                |          |              | MTD/NO         | Temp            | Cond    | Turbid                             | Comment       |     |  |
| 17                                                            | 093M.084 | 22017            | 9                       | 601376         | 6185747  | GPU          | EF             | 1               | 6       | 50                                 | C             |     |  |
| A. GEAR SETTINGS                                              |          |                  |                         |                |          |              |                |                 |         |                                    |               |     |  |
| Site#                                                         | MTD/NO   | H/P              | Date In                 | Time In        | Date Out | Time Out     | Comment        |                 |         |                                    |               |     |  |
| 17                                                            | EF       | 1                | 1                       | 2001/08/06     | 12:00    | 2001/08/06   | 12:30          |                 |         |                                    |               |     |  |
| C. ELECTROFISHER SPECIFICATIONS                               |          |                  |                         |                |          |              |                |                 |         |                                    |               |     |  |
| Site#                                                         | MTD/NO   | H/P              | Encl                    | Sec            | Length   | Width        | Voltage        | Frequency       | Pulse   | Make                               | Model         |     |  |
| 17                                                            | EF       | 1                | 1                       | O              | 216      | 200.0        | 2.0            | 800             | 60      | 6                                  | SMITH<br>ROOT | 12B |  |
| FISH SUMMARY                                                  |          |                  |                         |                |          |              |                |                 |         |                                    |               |     |  |
| Site#                                                         | MTD/NO   | H/P              | Species                 | Stage          | Age      | Total #      | Lgth (Min/Max) | FishAct         | Comment |                                    |               |     |  |
| 17                                                            | EF       | 1                | 1                       | NFC            |          | 0            |                |                 |         |                                    |               |     |  |

# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Watershed Code: 480-195700-48200-36200-0000-0000-000-000-000-000-000

Reach # ILP Map # ILP #

1.0

| STREAM REFERENCING                                                                                                                                                                                                                     |       |                                         |     |                                                         |    |                                            |       |                                             |          |                                                                                                                                                       |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------|-----|---------------------------------------------------------|----|--------------------------------------------|-------|---------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Gazetted Name:                                                                                                                                                                                                                         |       |                                         |     |                                                         |    | Local Name:                                |       |                                             |          |                                                                                                                                                       |               |
| Watershed Code: 480-195700-48200-36200-0000-0000-000-000-000-000-000                                                                                                                                                                   |       |                                         |     |                                                         |    | ILP Map #:                                 |       |                                             | ILP #:   |                                                                                                                                                       |               |
| REACH                                                                                                                                                                                                                                  |       |                                         |     |                                                         |    |                                            |       |                                             |          |                                                                                                                                                       |               |
| Reach #: 1.0                                                                                                                                                                                                                           |       | UTM (Zone/East/North): 9.603386.6185708 |     |                                                         |    | Sample Type: Random                        |       |                                             |          |                                                                                                                                                       |               |
| Length (km): .59                                                                                                                                                                                                                       |       | Coupling: Decoupled                     |     | Magnitude: 37                                           |    | BGC Zone: SBS                              |       |                                             |          |                                                                                                                                                       |               |
| Gradient (%): 9.7                                                                                                                                                                                                                      |       | Confinement: Unconfined                 |     | Order: 4                                                |    | Open water: Absent                         |       |                                             |          |                                                                                                                                                       |               |
| US Elev (m): 932                                                                                                                                                                                                                       |       | Islands: NONE                           |     | Riparian Vegetation: Deciduous                          |    |                                            |       |                                             |          |                                                                                                                                                       |               |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |       |                                         |     |                                                         |    |                                            |       |                                             |          |                                                                                                                                                       |               |
| SITE                                                                                                                                                                                                                                   |       |                                         |     |                                                         |    |                                            |       |                                             |          |                                                                                                                                                       |               |
| Site #: 18                                                                                                                                                                                                                             |       | Field UTM 9.603685.6186122              |     | Agency: C172                                            |    | Crew: JD/EL                                |       | Date: 2001/08/06                            |          |                                                                                                                                                       |               |
| Site Length (m): 150                                                                                                                                                                                                                   |       | GIS UTM 9.603574.6186062                |     | Agency Name: Triton Environmental Consultants (Terrace) |    |                                            |       |                                             |          |                                                                                                                                                       |               |
| CHANNEL                                                                                                                                                                                                                                |       |                                         |     |                                                         |    |                                            |       |                                             |          |                                                                                                                                                       |               |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |       | Intermittent: <input type="checkbox"/>  |     | Avg                                                     |    | Min                                        |       | Max                                         |          | #                                                                                                                                                     |               |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |       | Tribes.: <input type="checkbox"/>       |     | Channel Width (m): 6.50                                 |    | 5                                          |       | 8                                           |          | 6                                                                                                                                                     |               |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |       |                                         |     | Wetted Width (m): 3.25                                  |    | 2.5                                        |       | 4                                           |          | 6                                                                                                                                                     |               |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |       |                                         |     | Bankfull Depth (m): 0.43                                |    | 0.4                                        |       | 0.5                                         |          | 3                                                                                                                                                     |               |
| High <input type="checkbox"/>                                                                                                                                                                                                          |       | Temp (C): 5                             |     | pH: 7.9                                                 |    | Conductivity: 50                           |       |                                             |          |                                                                                                                                                       |               |
|                                                                                                                                                                                                                                        |       |                                         |     |                                                         |    |                                            |       | Turbidity.: Turbid <input type="checkbox"/> |          | Low <input checked="" type="checkbox"/>                                                                                                               |               |
|                                                                                                                                                                                                                                        |       |                                         |     |                                                         |    |                                            |       | Moderate <input type="checkbox"/>           |          | Clear <input type="checkbox"/>                                                                                                                        |               |
| MORPHOLOGY                                                                                                                                                                                                                             |       |                                         |     |                                                         |    |                                            |       |                                             |          |                                                                                                                                                       |               |
| Bed Material: Dominant: Boulders                                                                                                                                                                                                       |       | D95 (cm): 95.00                         |     | Bars: Non <input type="checkbox"/>                      |    | Side <input checked="" type="checkbox"/>   |       | Diagonal <input type="checkbox"/>           |          | Mid-channel <input type="checkbox"/> Span <input type="checkbox"/>                                                                                    |               |
| Subdominant: Cobble                                                                                                                                                                                                                    |       | D (cm): 17.00                           |     |                                                         |    |                                            |       |                                             |          | Braid <input type="checkbox"/>                                                                                                                        |               |
| Channel Pattern: Sinuous                                                                                                                                                                                                               |       | Islands: None                           |     | DISTURBANCE                                             |    | O1                                         |       | B1                                          |          | B2 B3 D1 D2 D3                                                                                                                                        |               |
| Coupling: Coupled                                                                                                                                                                                                                      |       |                                         |     | INDICATORS                                              |    | <input type="checkbox"/>                   |       | <input type="checkbox"/>                    |          | <input type="checkbox"/>                                                                                                                              |               |
| Confinement: Frequently Confined                                                                                                                                                                                                       |       |                                         |     | C1 C2 C3 C4 C5 S1 S2 S3 S4 S5                           |    | <input type="checkbox"/>                   |       | <input type="checkbox"/>                    |          | <input type="checkbox"/>                                                                                                                              |               |
| Morphology: CP Cascade Pool                                                                                                                                                                                                            |       |                                         |     |                                                         |    | <input type="checkbox"/>                   |       | <input type="checkbox"/>                    |          | <input type="checkbox"/>                                                                                                                              |               |
| COVER                                                                                                                                                                                                                                  |       |                                         |     |                                                         |    |                                            |       |                                             |          |                                                                                                                                                       |               |
| Total Cover: Abundant                                                                                                                                                                                                                  |       | Type: SWD                               |     | LWD                                                     |    | B                                          |       | U                                           |          | DP OV IV                                                                                                                                              |               |
| LWD: Few                                                                                                                                                                                                                               |       | Amount: T                               |     | T                                                       |    | D                                          |       | T                                           |          | S T N                                                                                                                                                 |               |
| LWD Dist: Evenly Distributed                                                                                                                                                                                                           |       | Location: P/S/O:                        |     | <input checked="" type="checkbox"/>                     |    | <input checked="" type="checkbox"/>        |       | <input checked="" type="checkbox"/>         |          | <input checked="" type="checkbox"/>                                                                                                                   |               |
|                                                                                                                                                                                                                                        |       |                                         |     | <input checked="" type="checkbox"/>                     |    | <input checked="" type="checkbox"/>        |       | <input checked="" type="checkbox"/>         |          | <input checked="" type="checkbox"/>                                                                                                                   |               |
| Right Bank: Shape: Sloping (g)                                                                                                                                                                                                         |       | Texture: Fines <input type="checkbox"/> |     | Gravel <input type="checkbox"/>                         |    | Cobble <input checked="" type="checkbox"/> |       | Boulder <input checked="" type="checkbox"/> |          | Rock <input type="checkbox"/> Manmade <input type="checkbox"/>                                                                                        |               |
| Left Bank: Shape: Sloping (g)                                                                                                                                                                                                          |       | Texture: Fines <input type="checkbox"/> |     | Gravel <input type="checkbox"/>                         |    | Cobble <input checked="" type="checkbox"/> |       | Boulder <input checked="" type="checkbox"/> |          | Rock <input type="checkbox"/> Manmade <input type="checkbox"/>                                                                                        |               |
| Right Bank: Rip.Veg: Mixed C/D                                                                                                                                                                                                         |       | Stage: Mature forest                    |     |                                                         |    |                                            |       |                                             |          | Crown Closure 1-20%                                                                                                                                   |               |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |       | Stage: Mature forest                    |     |                                                         |    |                                            |       |                                             |          | Instream Veg: None <input checked="" type="checkbox"/> Algae <input type="checkbox"/> Moss <input type="checkbox"/> Vascular <input type="checkbox"/> |               |
| FEATURES                                                                                                                                                                                                                               |       |                                         |     |                                                         |    |                                            |       |                                             |          |                                                                                                                                                       |               |
| NID Map                                                                                                                                                                                                                                | NID   | Type                                    | Hgt | Method                                                  | Lg | Method                                     | Photo |                                             | AirPhoto |                                                                                                                                                       | UTM (Z/E/N)   |
| 093M.084                                                                                                                                                                                                                               | 88026 | C                                       | 1.8 | GE                                                      | 1  | HC                                         | R: 2  | F: 11                                       | L:       | #:                                                                                                                                                    | 9.603431.6185 |
| Comments: C1                                                                                                                                                                                                                           |       |                                         |     |                                                         |    |                                            |       |                                             |          |                                                                                                                                                       |               |



# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Watershed Code: 480-195700-48200-36200-0000-0000-000-000-000-000-000

Reach # ILP Map # ILP #

1.0

| SITE                                    |                |                                         |                   |                                                         |         |                                            |            |                                                        |                     |                                           |  |
|-----------------------------------------|----------------|-----------------------------------------|-------------------|---------------------------------------------------------|---------|--------------------------------------------|------------|--------------------------------------------------------|---------------------|-------------------------------------------|--|
| Site #: 248                             |                | Field UTM ..                            |                   | Agency: C172                                            |         | Crew: DT/JA                                |            | Date: 2001/08/20                                       |                     |                                           |  |
| Site Length (m): 500                    |                | GIS UTM 9.603521.6185919                |                   | Agency Name: Triton Environmental Consultants (Terrace) |         |                                            |            |                                                        |                     |                                           |  |
| CHANNEL                                 |                |                                         |                   |                                                         |         |                                            |            |                                                        |                     |                                           |  |
| No Vis.Ch.: <input type="checkbox"/>    |                | Intermittent: <input type="checkbox"/>  |                   |                                                         |         | Avg                                        |            | Min                                                    |                     | Max                                       |  |
| Dewatered: <input type="checkbox"/>     |                | Tribes.: <input type="checkbox"/>       |                   |                                                         |         |                                            |            |                                                        |                     |                                           |  |
| Stage: Low <input type="checkbox"/>     |                |                                         |                   | Channel Width (m):                                      |         | 9.83                                       |            | 7                                                      |                     | 13                                        |  |
| Med <input checked="" type="checkbox"/> |                |                                         |                   | Wetted Width (m):                                       |         | 8.03                                       |            | 1.200                                                  |                     | 13                                        |  |
| High <input type="checkbox"/>           |                |                                         |                   | Bankfull Depth (m):                                     |         | 0.83                                       |            | 0.6                                                    |                     | 1.1                                       |  |
|                                         |                | Temp (C): 4                             |                   | pH: 8.3                                                 |         | Conductivity: 30                           |            |                                                        |                     |                                           |  |
|                                         |                |                                         |                   |                                                         |         |                                            |            | Turbidity: Turbid <input type="checkbox"/>             |                     | Low <input type="checkbox"/>              |  |
|                                         |                |                                         |                   |                                                         |         |                                            |            | Moderate <input type="checkbox"/>                      |                     | Clear <input checked="" type="checkbox"/> |  |
| MORPHOLOGY                              |                |                                         |                   |                                                         |         |                                            |            |                                                        |                     |                                           |  |
| Bed Material: Dominant: Cobble          |                | D95 (cm): 52.00                         |                   | Bars: Non <input type="checkbox"/>                      |         | Side <input checked="" type="checkbox"/>   |            | Diagonal <input type="checkbox"/>                      |                     | Mid-channel <input type="checkbox"/>      |  |
| Subdominant: Gravels                    |                | D (cm): 5.00                            |                   |                                                         |         |                                            |            |                                                        |                     | Span <input type="checkbox"/>             |  |
| Channel Pattern: Sinuous                |                | Islands: Occasional                     |                   | DISTURBANCE                                             |         | O1                                         |            | B1                                                     |                     | B2                                        |  |
| Coupling: Decoupled                     |                |                                         |                   | INDICATORS                                              |         |                                            |            |                                                        |                     | D3                                        |  |
| Confinement: Unconfined                 |                |                                         |                   | C1                                                      |         | C2                                         |            | C3                                                     |                     | C4                                        |  |
| Morphology: CP Cascade Pool             |                |                                         |                   | C5                                                      |         | S1                                         |            | S2                                                     |                     | S3                                        |  |
|                                         |                |                                         |                   | S4                                                      |         | S5                                         |            |                                                        |                     |                                           |  |
| COVER                                   |                |                                         |                   |                                                         |         |                                            |            |                                                        |                     |                                           |  |
| Total Cover: Moderate                   |                | Type: SWD                               |                   | LWD                                                     |         | B                                          |            | U                                                      |                     | DP                                        |  |
| LWD: Few                                |                | Amount: T                               |                   | D                                                       |         | S                                          |            | T                                                      |                     | S                                         |  |
| LWD Dist: Evenly Distributed            |                | Location: P/S/O:                        |                   | <input checked="" type="checkbox"/>                     |         | <input checked="" type="checkbox"/>        |            | <input checked="" type="checkbox"/>                    |                     | <input checked="" type="checkbox"/>       |  |
|                                         |                |                                         |                   | <input checked="" type="checkbox"/>                     |         | <input checked="" type="checkbox"/>        |            | <input checked="" type="checkbox"/>                    |                     | <input checked="" type="checkbox"/>       |  |
| Right Bank: Shape: Undercut             |                | Texture: Fines <input type="checkbox"/> |                   | Gravel <input type="checkbox"/>                         |         | Cobble <input checked="" type="checkbox"/> |            | Boulder <input type="checkbox"/>                       |                     | Rock <input type="checkbox"/>             |  |
| Left Bank: Shape: Undercut              |                | Texture: Fines <input type="checkbox"/> |                   | Gravel <input checked="" type="checkbox"/>              |         | Cobble <input type="checkbox"/>            |            | Boulder <input type="checkbox"/>                       |                     | Rock <input type="checkbox"/>             |  |
| Right Bank: Rip.Veg: Mixed C/D          |                | Stage: Mature forest                    |                   |                                                         |         |                                            |            |                                                        |                     | Crown Closure                             |  |
| Left Bank: Rip.Veg:                     |                | Stage: Mature forest                    |                   |                                                         |         |                                            |            |                                                        |                     | 0%                                        |  |
|                                         |                |                                         |                   |                                                         |         |                                            |            | Instream Veg: None <input checked="" type="checkbox"/> |                     | Algae <input type="checkbox"/>            |  |
|                                         |                |                                         |                   |                                                         |         |                                            |            |                                                        |                     | Moss <input type="checkbox"/>             |  |
|                                         |                |                                         |                   |                                                         |         |                                            |            |                                                        |                     | Vascular <input type="checkbox"/>         |  |
| FISH                                    |                |                                         |                   |                                                         |         |                                            |            |                                                        |                     |                                           |  |
| Site Number                             | Capture Method | Number of Events                        | Length fished (m) | Total Time                                              | Voltage | Species                                    | Total Fish | Minimum Length (mm)                                    | Maximum Length (mm) |                                           |  |
| 18                                      | EF             | 1                                       | 150               | 116 sec                                                 | 700     | DV                                         | 6          | 80                                                     | 98                  |                                           |  |
| 18                                      | EF             | 1                                       | 150               | 116 sec                                                 | 700     | BT                                         | 4          | 60                                                     | 75                  |                                           |  |

# FDIS Site Card

## Shelagyte River Planning Area

Watershed Code: 480-195700-48200-36200-0000-0000-000-000-000-000-000

Reach # 1.0 ILP Map # ILP # Site 18

### PROJECT

Project Name: Shelagyte Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000  
Project Code: 1550

### WATERSHED

Gazetted Name: Watershed Code: 480-195700-48200-36200-0000-0000-000-000-000-000-000  
ILP Map#: ILP #: NID Map #: 093M.084 NID #: 22018 Reach #: 1.0 Site #: 18  
Field UTM (Z.E.N): 9.603685.6186122 Method: GPU Site Lg: 150 Method: GE Access: H  
GIS UTM (Z.E.N): 9.603574.6186062 Ref. Name:  
Date: 2001/08/06 Time: 15:40 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |            | Gadient % | Mtd | Avg |      |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------------|-----------|-----|-----|------|
| Channel Width (m): | GE  | 6.00  | 7.00  | 7.00  | 8.00  | 5.00  | 6.00  |       |       |       |       | 6.50 | Method I:  | 7.0       | 6.0 | C   | 6.00 |
| Wetted Width (m):  | GE  | 2.50  | 3.00  | 3.00  | 4.00  | 3.00  | 4.00  |       |       |       |       | 3.25 | Method II: | 6.0       | 5.0 | C   |      |
| Pool Depth (m):    | MS  | 0.40  | 0.30  | 0.30  | 0.20  | 0.40  | 0.30  |       |       |       |       | 0.32 |            |           |     |     |      |

Wb Depth: .5 .4 .4 Avg: 0.43 Method: MS Stage: L ☐ M ☒ H ☐

No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                                   | U                                   | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | T                                   | D                                   | T                                   | S                                   | T                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

LWD: F DIST: E

LB SHP: S

Texture: F ☐ G ☐ C ☒ B ☒ R ☐ A ☐

RIP: M

STG: MF

RB SHP: S

Texture: F ☐ G ☐ C ☒ B ☒ R ☐ A ☐

RIP: M

STG: MF

### WATER

EMS: Temp: 5 Method: T4 Req #: Cond.: 50 Method: S3  
pH: 7.9 Method: P2 Turb.: T ☐ M ☐ L ☒ C ☐ Method: GE  
Flood Signs: Rafted debris Method: GE

### MORPHOLOGY

Bed Material: Dominant: B Subdom: C O1 B1 B2 B3 D1 D2 D3  
D95: 95.0 D (cm): 17.00 Morph: CP DISTURBANCE INDICATORS  
Pattern: SI C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: N  
Coupling: CO  
Confinement: FC  
FSZ: ☐  
Bars: N ☐ SIDE ☒ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### FEATURES

| NID Map  | NID   | Type | Hgt | Method | Lg | Method | Photo         | AirPhoto | UTM (Z/E/N)      | Method |
|----------|-------|------|-----|--------|----|--------|---------------|----------|------------------|--------|
| 093M.084 | 88026 | C    | 1.8 | GE     | 1  | HC     | R: 2 F: 11 L: | #:       | 9.603431.6185708 | GIS    |

Comments: C1

### HABITAT QUALITY

| Name               | Comments                                   |
|--------------------|--------------------------------------------|
| OverWinter Habitat | Overwintering habitat present              |
| Cover              | Poor-some slower water behind boulders     |
| Rearing Habitat    | Poor-high energy with little resting areas |



## Shelagyote River Planning Area

| Reach # | ILP Map # | ILP # | Site |
|---------|-----------|-------|------|
| 1.0     |           |       | 18   |

| HABITAT QUALITY  |   |    |    |                                                                           |  |     |  |                                                       |  |
|------------------|---|----|----|---------------------------------------------------------------------------|--|-----|--|-------------------------------------------------------|--|
| Name             |   |    |    | Comments                                                                  |  |     |  |                                                       |  |
| Spawning Habitat |   |    |    | Poor-very fast moving water with cobble boulder substrate                 |  |     |  |                                                       |  |
| PHOTOS           |   |    |    |                                                                           |  |     |  |                                                       |  |
| Photo            |   |    |    | Foc Lg                                                                    |  | Dir |  | Comments                                              |  |
| R:               | 2 | F: | 11 | STD                                                                       |  | X   |  | Cascade barrier (photo from helicopter)               |  |
| R:               | 2 | F: | 12 | STD                                                                       |  | U   |  | Upstream photo of cascade section with Jason shocking |  |
| R:               | 2 | F: | 13 | STD                                                                       |  | D   |  | Downstream photo of stream with raised boulders       |  |
| COMMENTS         |   |    |    |                                                                           |  |     |  |                                                       |  |
| Section          |   |    |    | Comments                                                                  |  |     |  |                                                       |  |
| CHANNEL          |   |    |    | DV and BT captured                                                        |  |     |  |                                                       |  |
| CHANNEL          |   |    |    | Braided stream at confluence                                              |  |     |  |                                                       |  |
| CHANNEL          |   |    |    | C1-barrier in high water flow and a potential barrier in low water flows. |  |     |  |                                                       |  |

# FDIS Fish Card

## Shelagyote River Planning Area

Reach #      ILP Map #      ILP #

Watershed Code: 480-195700-48200-36200-0000-0000-000-000-000-000-000      1.0

| WATERBODY                                                     |          |         |                         |                  |            |                |                |                 |         |             |                |                                    |        |        |         |
|---------------------------------------------------------------|----------|---------|-------------------------|------------------|------------|----------------|----------------|-----------------|---------|-------------|----------------|------------------------------------|--------|--------|---------|
| Gazetted Name:                                                |          |         |                         |                  |            |                |                |                 |         | Local: None |                |                                    |        |        |         |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-0   |          |         |                         |                  |            |                |                |                 |         |             |                |                                    |        |        |         |
| WS Code: 480-195700-48200-36200-0000-0000-000-000-000-000-000 |          |         |                         |                  |            |                |                |                 |         |             |                |                                    |        |        |         |
| Waterbody ID:                                                 |          |         |                         | ILP Map #:       |            |                |                | ILP #:          |         | Reach #:    |                | 1 -                                |        |        |         |
| Project ID: 1550                                              |          |         |                         | Lake/Stream: S   |            |                |                | Lake From Date: |         |             |                |                                    |        |        |         |
| Fish Permit #:                                                |          | 145084K |                         | Date: 2001/08/06 |            | To: 2001/08/06 |                | Agency: C172    |         | Crew: JD/EL |                | Resample: <input type="checkbox"/> |        |        |         |
| SITE / METHOD                                                 |          |         |                         |                  |            |                |                |                 |         |             |                |                                    |        |        |         |
| Site#                                                         | NID Map  | NID #   | UTM:Zone/East/North/Mhd |                  |            | MTD/NO         | Temp           | Cond            | Turbid  | Comment     |                |                                    |        |        |         |
| 18                                                            | 093M.084 | 22018   |                         |                  |            | GPU EF 1       | 5              | 50              | C       |             |                |                                    |        |        |         |
| A. GEAR SETTINGS                                              |          |         |                         |                  |            |                |                |                 |         |             |                |                                    |        |        |         |
| Site#                                                         | MTD/NO   | H/P     | Date In                 | Time In          | Date Out   | Time Out       | Comment        |                 |         |             |                |                                    |        |        |         |
| 18                                                            | EF 1     | 1       | 2001/08/06              | 15:40            | 2001/08/06 | 16:10          |                |                 |         |             |                |                                    |        |        |         |
| C. ELECTROFISHER SPECIFICATIONS                               |          |         |                         |                  |            |                |                |                 |         |             |                |                                    |        |        |         |
| Site#                                                         | MTD/NO   | H/P     | Encl                    | Sec              | Length     | Width          | Voltage        | Frequency       | Pulse   | Make        | Model          |                                    |        |        |         |
| 18                                                            | EF       | 1       | 1                       | O                | 116        | 150.0          | 1.0            | 700             | 70      | 6           | SMITH ROOT 12B |                                    |        |        |         |
| FISH SUMMARY                                                  |          |         |                         |                  |            |                |                |                 |         |             |                |                                    |        |        |         |
| Site#                                                         | MTD/NO   | H/P     | Species                 | Stage            | Age        | Total #        | Lgth (Min/Max) | FishAct         | Comment |             |                |                                    |        |        |         |
| 18                                                            | EF       | 1       | 1                       | BT               | J          | 4              | 60 75          | R               |         |             |                |                                    |        |        |         |
| 18                                                            | EF       | 1       | 1                       | DV               | J          | 6              | 80 98          | R               |         |             |                |                                    |        |        |         |
| INDIVIDUAL FISH DATA                                          |          |         |                         |                  |            |                |                |                 |         |             |                |                                    |        |        |         |
| Site#                                                         | MTD/NO   | H/P     | Species                 | Length           | Weight     | Sex            | Mat            | Age             |         | Vch#        | Genetic        |                                    | Roll # | Frame# | Comment |
|                                                               |          |         |                         |                  |            |                |                | Str/Smpl#       | Age     |             | Str/Smpl#      |                                    |        |        |         |
| 18                                                            | EF       | 1       | 1                       | DV               | 85         |                | U              | U               |         |             |                |                                    |        |        |         |
| 18                                                            | EF       | 1       | 1                       | DV               | 80         |                | U              | U               |         |             |                |                                    |        |        |         |
| 18                                                            | EF       | 1       | 1                       | DV               | 90         |                | U              | U               |         |             |                |                                    |        |        |         |
| 18                                                            | EF       | 1       | 1                       | DV               | 90         |                | U              | U               |         |             |                |                                    |        |        |         |
| 18                                                            | EF       | 1       | 1                       | DV               | 98         |                | U              | U               |         |             |                |                                    |        |        |         |
| 18                                                            | EF       | 1       | 1                       | DV               | 87         |                | U              | U               |         |             |                |                                    |        |        |         |
| 18                                                            | EF       | 1       | 1                       | BT               | 75         |                | U              | U               |         |             |                |                                    |        |        |         |
| 18                                                            | EF       | 1       | 1                       | BT               | 60         |                | U              | U               |         |             |                |                                    |        |        |         |
| 18                                                            | EF       | 1       | 1                       | BT               | 75         |                | U              | U               |         |             |                |                                    |        |        |         |
| 18                                                            | EF       | 1       | 1                       | BT               | 65         |                | U              | U               |         |             |                |                                    |        |        |         |





Site #18, Cascade barrier (photo from helicopter).  
Roll #2, Frame #11, Date: 2001/08/06



Site #18, Upstream photo of cascade section with Jason shocking.  
Roll #2, Frame #12, Date: 2001/08/06





Site #18, Downstream photo of stream with raised boulders.  
Roll #2, Frame #13, Date: 2001/08/06



# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Watershed Code: 480-195700-48200-52400-0000-0000-000-000-000-000-000

Reach # ILP Map # ILP #

2.0

| STREAM REFERENCING                                                                                                                                                                                                                     |                |                                         |                   |                                                         |         |                                     |            |                                                        |                     |                                         |             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------|-------------------|---------------------------------------------------------|---------|-------------------------------------|------------|--------------------------------------------------------|---------------------|-----------------------------------------|-------------|
| Gazetted Name:                                                                                                                                                                                                                         |                |                                         |                   |                                                         |         | Local Name:                         |            |                                                        |                     |                                         |             |
| Watershed Code: 480-195700-48200-52400-0000-0000-000-000-000-000-000                                                                                                                                                                   |                |                                         |                   |                                                         |         | ILP Map #:                          |            |                                                        | ILP #:              |                                         |             |
| REACH                                                                                                                                                                                                                                  |                |                                         |                   |                                                         |         |                                     |            |                                                        |                     |                                         |             |
| Reach #: 2.0                                                                                                                                                                                                                           |                | UTM(Zone/East/North): 9.601887.6188775  |                   |                                                         |         | Sample Type: Biased                 |            |                                                        |                     |                                         |             |
| Length (km): 1.51                                                                                                                                                                                                                      |                | Coupling: Partially Couple              |                   | Magnitude: 60                                           |         | BGC Zone: SBS                       |            |                                                        |                     |                                         |             |
| Gradient (%): 6.0                                                                                                                                                                                                                      |                | Confinement: Occasionally Conf          |                   | Order: 4                                                |         | Open water: Absent                  |            |                                                        |                     |                                         |             |
| US Elev (m): 1029                                                                                                                                                                                                                      |                | Islands: NONE                           |                   | Riparian Vegetation: Coniferous                         |         |                                     |            |                                                        |                     |                                         |             |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                |                                         |                   |                                                         |         |                                     |            |                                                        |                     |                                         |             |
| SITE                                                                                                                                                                                                                                   |                |                                         |                   |                                                         |         |                                     |            |                                                        |                     |                                         |             |
| Site #: 19                                                                                                                                                                                                                             |                | Field UTM 9.601867.6188669              |                   | Agency: C172                                            |         | Crew: JD/EL                         |            | Date: 2001/08/06                                       |                     |                                         |             |
| Site Length (m): 100                                                                                                                                                                                                                   |                | GIS UTM 9.602034.6188613                |                   | Agency Name: Triton Environmental Consultants (Terrace) |         |                                     |            |                                                        |                     |                                         |             |
| CHANNEL                                                                                                                                                                                                                                |                |                                         |                   |                                                         |         |                                     |            |                                                        |                     |                                         |             |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |                | Intermittent: <input type="checkbox"/>  |                   | Avg                                                     |         | Min                                 |            | Max                                                    |                     | #                                       |             |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |                | Tribes.: <input type="checkbox"/>       |                   | Channel Width (m): 7.86                                 |         | 7                                   |            | 9                                                      |                     | 7                                       |             |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |                |                                         |                   | Wetted Width (m): 7.86                                  |         | 7                                   |            | 9                                                      |                     | 7                                       |             |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |                |                                         |                   | Bankfull Depth (m): 0.43                                |         | 0.4                                 |            | 0.5                                                    |                     | 3                                       |             |
| High <input type="checkbox"/>                                                                                                                                                                                                          |                | Temp (C): 5                             |                   | pH: 7.1                                                 |         | Conductivity: 50                    |            |                                                        |                     |                                         |             |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         |                                     |            | Avg                                                    |                     | Min                                     |             |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         |                                     |            | Max                                                    |                     | #                                       |             |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         |                                     |            | Gradient %: 5.75                                       |                     | 5                                       |             |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         |                                     |            | Pool Depth (m): 0.55                                   |                     | 0.400                                   |             |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         |                                     |            | 0.7                                                    |                     | 6                                       |             |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         |                                     |            | Turbidity: Turbid <input type="checkbox"/>             |                     | Low <input checked="" type="checkbox"/> |             |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         |                                     |            | Moderate <input type="checkbox"/>                      |                     | Clear <input type="checkbox"/>          |             |
| MORPHOLOGY                                                                                                                                                                                                                             |                |                                         |                   |                                                         |         |                                     |            |                                                        |                     |                                         |             |
| Bed Material: Dominant: Boulders                                                                                                                                                                                                       |                | D95 (cm): 156.00                        |                   | Bars: Non <input checked="" type="checkbox"/>           |         | Side <input type="checkbox"/>       |            | Diagonal <input type="checkbox"/>                      |                     | Mid-channel <input type="checkbox"/>    |             |
| Subdominant: Cobble                                                                                                                                                                                                                    |                | D (cm): 17.00                           |                   |                                                         |         | Span <input type="checkbox"/>       |            |                                                        |                     | Braid <input type="checkbox"/>          |             |
| Channel Pattern: Sinuous                                                                                                                                                                                                               |                | Islands: None                           |                   | DISTURBANCE                                             |         | O1                                  |            | B1                                                     |                     | B2                                      |             |
| Coupling: Coupled                                                                                                                                                                                                                      |                |                                         |                   | INDICATORS                                              |         | <input type="checkbox"/>            |            | <input type="checkbox"/>                               |                     | <input type="checkbox"/>                |             |
| Confinement: Confined                                                                                                                                                                                                                  |                |                                         |                   |                                                         |         | D1                                  |            | D2                                                     |                     | D3                                      |             |
| Morphology: CP Cascade Pool                                                                                                                                                                                                            |                |                                         |                   |                                                         |         | C1                                  |            | C2                                                     |                     | C3                                      |             |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         | C4                                  |            | C5                                                     |                     | S1                                      |             |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         | S2                                  |            | S3                                                     |                     | S4                                      |             |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         | S5                                  |            |                                                        |                     |                                         |             |
| COVER                                                                                                                                                                                                                                  |                |                                         |                   |                                                         |         |                                     |            |                                                        |                     |                                         |             |
| Total Cover: Abundant                                                                                                                                                                                                                  |                | Type: SWD                               |                   | LWD                                                     |         | B                                   |            | U                                                      |                     | DP                                      |             |
| LWD: None                                                                                                                                                                                                                              |                | Amount: N                               |                   | T                                                       |         | D                                   |            | T                                                      |                     | S                                       |             |
| LWD Dist: Not Applicable                                                                                                                                                                                                               |                | Location: P/S/O:                        |                   | <input type="checkbox"/>                                |         | <input checked="" type="checkbox"/> |            | <input checked="" type="checkbox"/>                    |                     | <input checked="" type="checkbox"/>     |             |
|                                                                                                                                                                                                                                        |                |                                         |                   | <input type="checkbox"/>                                |         | <input type="checkbox"/>            |            | <input type="checkbox"/>                               |                     | <input type="checkbox"/>                |             |
| Right Bank: Shape: Sloping (g)                                                                                                                                                                                                         |                | Texture: Fines <input type="checkbox"/> |                   | Gravel <input type="checkbox"/>                         |         | Cobble <input type="checkbox"/>     |            | Boulder <input checked="" type="checkbox"/>            |                     | Rock <input type="checkbox"/>           |             |
| Left Bank: Shape: Sloping (g)                                                                                                                                                                                                          |                | Texture: Fines <input type="checkbox"/> |                   | Gravel <input type="checkbox"/>                         |         | Cobble <input type="checkbox"/>     |            | Boulder <input checked="" type="checkbox"/>            |                     | Rock <input type="checkbox"/>           |             |
| Right Bank: Rip.Veg: Mixed C/D                                                                                                                                                                                                         |                | Stage: Mature forest                    |                   |                                                         |         |                                     |            |                                                        |                     | Crown Closure                           |             |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |                | Stage: Mature forest                    |                   |                                                         |         |                                     |            |                                                        |                     | 1-20%                                   |             |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         |                                     |            | Instream Veg: None <input checked="" type="checkbox"/> |                     | Algae <input type="checkbox"/>          |             |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         |                                     |            | Moss <input type="checkbox"/>                          |                     | Vascular <input type="checkbox"/>       |             |
| FEATURES                                                                                                                                                                                                                               |                |                                         |                   |                                                         |         |                                     |            |                                                        |                     |                                         |             |
| NID Map                                                                                                                                                                                                                                | NID            | Type                                    | Hgt               | Method                                                  | Lg      | Method                              | Photo      |                                                        |                     | AirPhoto                                |             |
| 093M.084                                                                                                                                                                                                                               | 88100          | C                                       | 50.0              | GE                                                      | 50      | GE                                  | R:         | 22                                                     | F:                  | 7                                       | UTM (Z/E/N) |
| Comments: Potential barrier to fish migration                                                                                                                                                                                          |                |                                         |                   |                                                         |         |                                     |            |                                                        |                     |                                         |             |
| NID Map                                                                                                                                                                                                                                | NID            | Type                                    | Hgt               | Method                                                  | Lg      | Method                              | Photo      |                                                        |                     | AirPhoto                                |             |
| 093M.084                                                                                                                                                                                                                               | 88027          | C                                       | 4.0               | GE                                                      | 2       | HC                                  | R:         | 2                                                      | F:                  | 14                                      | UTM (Z/E/N) |
| Comments: Cascade over bedrock                                                                                                                                                                                                         |                |                                         |                   |                                                         |         |                                     |            |                                                        |                     |                                         |             |
| FISH                                                                                                                                                                                                                                   |                |                                         |                   |                                                         |         |                                     |            |                                                        |                     |                                         |             |
| Site Number                                                                                                                                                                                                                            | Capture Method | Number of Events                        | Length fished (m) | Total Time                                              | Voltage | Species                             | Total Fish | Minimum Length (mm)                                    | Maximum Length (mm) |                                         |             |
| 19                                                                                                                                                                                                                                     | EF             | 1                                       | 100               | 116 sec                                                 | 800     | NFC                                 | 0          |                                                        |                     |                                         |             |



# FDIS Site Card

## Shelagyte River Planning Area

Watershed Code: 480-195700-48200-52400-0000-0000-0000-0000-0000-0000

Reach # 2.0 ILP Map # ILP # Site 19

### PROJECT

Project Name: Shelagyte Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-000000-000000-0000-0000-0000-0000-0000-0000  
Project Code: 1550

### WATERSHED

Gazetted Name: Watershed Code: 480-195700-48200-52400-0000-0000-0000-0000-0000-0000  
ILP Map #: ILP #: NID Map #: 093M.084 NID #: 22019 Reach #: 2.0 Site #: 19  
Field UTM (Z.E.N): 9.601867.6188669 Method: GPU Site Lg: 100 Method: GE Access: H  
GIS UTM (Z.E.N): 9.602034.6188613 Ref. Name:  
Date: 2001/08/06 Time: 16:20 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |            | Gadient % | Mtd | Avg |      |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------------|-----------|-----|-----|------|
| Channel Width (m): | GE  | 8.00  | 7.00  | 8.00  | 8.00  | 9.00  | 7.00  | 8.00  |       |       |       | 7.86 | Method I:  | 9.0       | 5.0 | C   | 5.75 |
| Wetted Width (m):  | GE  | 8.00  | 7.00  | 8.00  | 8.00  | 9.00  | 7.00  | 8.00  |       |       |       | 7.86 | Method II: | 4.0       | 5.0 | C   |      |
| Pool Depth (m):    | MS  | 0.60  | 0.70  | 0.60  | 0.50  | 0.50  | 0.40  |       |       |       |       | 0.55 |            |           |     |     |      |

Wb Depth: .4 .4 .5 Avg: 0.43 Method: MS Stage: L ☐ M ☒ H ☐

No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                      | LWD                                 | B                                   | U                                   | DP                                  | OV                                  | IV                       |
|-------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | N                        | T                                   | D                                   | T                                   | S                                   | T                                   | N                        |
| Loc: P/S/O: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

LWD: N DIST: NA

LB SHP: S

Texture: F ☐ G ☐ C ☐ B ☒ R ☐ A ☐

RIP: M

STG: MF

RB SHP: S

Texture: F ☐ G ☐ C ☐ B ☒ R ☐ A ☐

RIP: M

STG: MF

### WATER

EMS: Temp: 5 Method: T4 Req #: Cond.: 50 Method: S3  
pH: 7.1 Method: P2 Turb.: T ☐ M ☐ L ☒ C ☐ Method: GE  
Flood Signs: Rafted debris Method: GE

### MORPHOLOGY

Bed Material: Dominant: B Subdom: C O1 B1 B2 B3 D1 D2 D3  
D95: 156.0 D (cm): 17.00 Morph: CP DISTURBANCE INDICATORS  
Pattern: SI C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: N  
Coupling: CO  
Confinement: CO  
FSZ: ☐  
Bars: N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### FEATURES

| NID Map                                       | NID   | Type | Hgt  | Method | Lg | Method | Photo         | AirPhoto | UTM (Z/E/N)      | Method |
|-----------------------------------------------|-------|------|------|--------|----|--------|---------------|----------|------------------|--------|
| 093M.084                                      | 88100 | C    | 50.0 | GE     | 50 | GE     | R: 22 F: 7 L: | #:       | 9.602467.6187725 | GIS    |
| Comments: Potential barrier to fish migration |       |      |      |        |    |        |               |          |                  |        |
| NID Map                                       | NID   | Type | Hgt  | Method | Lg | Method | Photo         | AirPhoto | UTM (Z/E/N)      | Method |
| 093M.084                                      | 88027 | C    | 4.0  | GE     | 2  | HC     | R: 2 F: 14 L: | #:       | 9.602029.6188629 | GIS    |
| Comments: Cascade over bedrock                |       |      |      |        |    |        |               |          |                  |        |

### HABITAT QUALITY

Name Comments



## Shelagyote River Planning Area

| Reach # | ILP Map # | ILP # | Site |
|---------|-----------|-------|------|
| 2.0     |           |       | 19   |

| HABITAT QUALITY    |    |    |    |                                                            |  |     |  |                                                  |  |
|--------------------|----|----|----|------------------------------------------------------------|--|-----|--|--------------------------------------------------|--|
| Name               |    |    |    | Comments                                                   |  |     |  |                                                  |  |
| Overwinter Habitat |    |    |    | Overwintering present in pools                             |  |     |  |                                                  |  |
| Cover              |    |    |    | Moderate-lots of boulder and cobble cover                  |  |     |  |                                                  |  |
| Rearing Habitat    |    |    |    | Poor-high energy cascade complex with little holding areas |  |     |  |                                                  |  |
| Spawning Habitat   |    |    |    | Poor-high energy with very little gravel on margins        |  |     |  |                                                  |  |
| PHOTOS             |    |    |    |                                                            |  |     |  |                                                  |  |
| Photo              |    |    |    | Foc Lg                                                     |  | Dir |  | Comments                                         |  |
| R:                 | 2  | F: | 14 | STD                                                        |  | U   |  | Upstream photo of cascade over bedrock           |  |
| R:                 | 2  | F: | 15 | STD                                                        |  | U   |  | Upstream photo of boulder section                |  |
| R:                 | 2  | F: | 16 | STD                                                        |  | D   |  | Downstream photo of open cascade boulder section |  |
| R:                 | 22 | F: | 7  | STD                                                        |  | NS  |  | Photo of cascade in Reach 1                      |  |
| COMMENTS           |    |    |    |                                                            |  |     |  |                                                  |  |
| Section            |    |    |    | Comments                                                   |  |     |  |                                                  |  |
| CHANNEL            |    |    |    | S5 Stream                                                  |  |     |  |                                                  |  |

# FDIS Fish Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-48200-52400-0000-0000-000-000-000-000-000

Reach # 2.0  
ILP Map #  
ILP #

| WATERBODY                                                       |          |         |                          |                  |                |                |                |                 |         |              |               |                                    |
|-----------------------------------------------------------------|----------|---------|--------------------------|------------------|----------------|----------------|----------------|-----------------|---------|--------------|---------------|------------------------------------|
| Gazetted Name:                                                  |          |         |                          |                  |                |                |                |                 |         | Local: None  |               |                                    |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-000-0 |          |         |                          |                  |                |                |                |                 |         |              |               |                                    |
| WS Code: 480-195700-48200-52400-0000-0000-000-000-000-000-000   |          |         |                          |                  |                |                |                |                 |         |              |               |                                    |
| Waterbody ID:                                                   |          |         |                          |                  | ILP Map #:     |                |                | ILP #:          |         | Reach #: 2 - |               |                                    |
| Project ID: 1550                                                |          |         |                          |                  | Lake/Stream: S |                |                | Lake From Date: |         |              |               |                                    |
| Fish Permit #:                                                  |          | 145084K |                          | Date: 2001/08/06 |                | To: 2001/08/06 |                | Agency: C172    |         | Crew: JD/EL  |               | Resample: <input type="checkbox"/> |
| SITE / METHOD                                                   |          |         |                          |                  |                |                |                |                 |         |              |               |                                    |
| Site#                                                           | NID Map  | NID #   | UTM:Zone/East/North/Mthd |                  |                | MTD/NO         | Temp           | Cond            | Turbid  | Comment      |               |                                    |
| 19                                                              | 093M.084 | 22019   |                          |                  |                | GPU EF 1       | 5              | 50              | C       |              |               |                                    |
| A. GEAR SETTINGS                                                |          |         |                          |                  |                |                |                |                 |         |              |               |                                    |
| Site#                                                           | MTD/NO   | H/P     | Date In                  | Time In          | Date Out       | Time Out       | Comment        |                 |         |              |               |                                    |
| 19                                                              | EF       | 1       | 2001/08/06               | 16:20            | 2001/08/06     | 16:40          |                |                 |         |              |               |                                    |
| C. ELECTROFISHER SPECIFICATIONS                                 |          |         |                          |                  |                |                |                |                 |         |              |               |                                    |
| Site#                                                           | MTD/NO   | H/P     | Encl                     | Sec              | Length         | Width          | Voltage        | Frequency       | Pulse   | Make         | Model         |                                    |
| 19                                                              | EF       | 1       | 1                        | O                | 116            | 100.0          | 5.0            | 800             | 60      | 6            | SMITH<br>ROOT | 12B                                |
| FISH SUMMARY                                                    |          |         |                          |                  |                |                |                |                 |         |              |               |                                    |
| Site#                                                           | MTD/NO   | H/P     | Species                  | Stage            | Age            | Total #        | Lgth (Min/Max) | FishAct         | Comment |              |               |                                    |
| 19                                                              | EF       | 1       | 1                        | NFC              |                | 0              |                |                 |         |              |               |                                    |



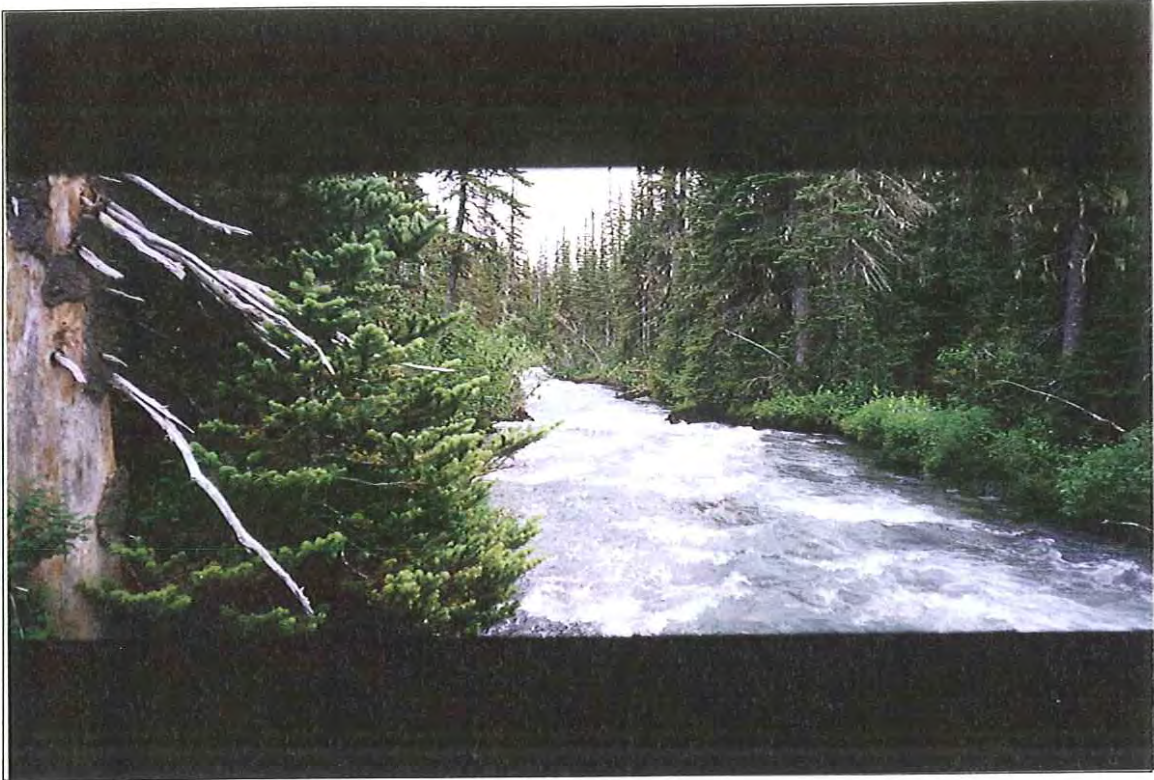


Site #19, Upstream photo of cascade over bedrock.  
Roll #2, Frame #14, Date: 2001/08/06



Site #19, Upstream photo of boulder section.  
Roll #2, Frame #15, Date: 2001/08/06





Site #19, Downstream photo of open cascade boulder section.  
Roll #2, Frame #16, Date: 2001/08/06



Site #19, Photo of cascade in Reach 1.  
Roll #22, Frame #7, Date: 2001/08/06







# FDIS Site Card

## Shelagyte River Planning Area

Watershed Code: 480-195700-60300-00000-0000-0000-000-000-000-000-000

Reach # 1.0 ILP Map # ILP # Site 20

### PROJECT

Project Name: Shelagyte Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-0000-0000-000-000-000-000-000-000  
Project Code: 1550

### WATERSHED

Gazetted Name: Local Name: None  
Watershed Code: 480-195700-60300-00000-0000-0000-000-000-000-000-000-000  
ILP Map#: ILP #: NID Map #: 093M.084 NID #: 22020 Reach #: 1.0 Site #: 20  
Field UTM (Z.E.N): 9.606019.6190445 Method: GPU Site Lg: 125 Method: GE Access: H  
GIS UTM (Z.E.N): 9.606048.6190311 Ref. Name:  
Date: 2001/08/07 Time: 08:55 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |            | Gadient % |     | Mtd | Avg  |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------------|-----------|-----|-----|------|
| Channel Width (m): | GE  | 8.00  | 8.00  | 7.00  | 8.00  | 6.00  | 6.00  |       |       |       |       | 7.17 | Method I:  | 6.0       | 7.0 | C   | 6.50 |
| Wetted Width (m):  | GE  | 6.00  | 7.00  | 6.00  | 6.00  | 6.00  | 5.00  |       |       |       |       | 6.00 | Method II: | 7.0       | 6.0 | C   |      |
| Pool Depth (m):    | MS  | 0.60  | 0.60  | 0.70  | 0.80  | 0.30  | 0.60  |       |       |       |       | 0.60 |            |           |     |     |      |

Wb Depth: .5 .4 .5 Avg: 0.47 Method: MS Stage: L ☐ M ☒ H ☐

No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                                   | U                                   | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | S                                   | D                                   | T                                   | S                                   | T                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

LWD: F DIST: C

LB SHP: S

Texture: F ☐ G ☐ C ☒ B ☒ R ☐ A ☐

RIP: M

STG: MF

RB SHP: S

Texture: F ☐ G ☐ C ☒ B ☒ R ☐ A ☐

RIP: M

STG: MF

### WATER

EMS: Req #: Cond.: 40 Method: S3  
Temp: 5 Method: T4  
pH: 8.1 Method: P2  
Flood Signs: Rafted debris Method: GE  
Turb.: T ☐ M ☐ L ☒ C ☐

### MORPHOLOGY

Bed Material: Dominant: C Subdom: B  
D95: 146.0 D (cm): 9.00 Morph: CP  
Pattern: SI  
Islands: N  
Coupling: CO  
Confinement: OC  
FSZ: ☐  
DISTURBANCE INDICATORS  
O1 B1 B2 B3 D1 D2 D3  
C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Bars: N ☐ SIDE ☒ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                                                             |
|--------------------|--------------------------------------------------------------------------------------|
| OverWinter Habitat | Present in pools                                                                     |
| Cover              | Moderate-boulder and LWD pool cover                                                  |
| Rearing Habitat    | Moderate-cascade pool complex with functioning LWD but high energy at moderate flows |
| Spawning Habitat   | Poor-clean gravel on side bars (high water only)                                     |

### PHOTOS

| Photo      | Foc Lg | Dir | Comments                                       |
|------------|--------|-----|------------------------------------------------|
| R: 2 F: 17 | STD    | U   | Upstream photo of cascade with functioning LWD |
| R: 2 F: 18 | STD    | D   | Downstream photo of boulder section            |



FDIS Site Card

Shelagyote River Planning Area

Watershed Code: 480-195700-60300-00000-0000-0000-000-000-000-000-000

Reach #    ILP Map #    ILP #    Site  
1.0             20

| COMMENTS |                                           |
|----------|-------------------------------------------|
| Section  | Comments                                  |
| CHANNEL  | BT captured                               |
| CHANNEL  | GPS taken at mid point of survey section. |

# FDIS Fish Card

## Shelagyte River Planning Area

Watershed Code: 480-195700-60300-00000-0000-0000-000-000-000-000

Reach # 1.0  
ILP Map #  
ILP #

| WATERBODY                                                   |          |       |                         |                  |                |          |                |                      |         |                      |               |              |         |             |  |                                    |  |
|-------------------------------------------------------------|----------|-------|-------------------------|------------------|----------------|----------|----------------|----------------------|---------|----------------------|---------------|--------------|---------|-------------|--|------------------------------------|--|
| Gazetted Name:                                              |          |       |                         |                  |                |          |                |                      |         | Local: None          |               |              |         |             |  |                                    |  |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-0 |          |       |                         |                  |                |          |                |                      |         |                      |               |              |         |             |  |                                    |  |
| WS Code: 480-195700-60300-00000-0000-000-000-000-000-000    |          |       |                         |                  |                |          |                |                      |         |                      |               |              |         |             |  |                                    |  |
| Waterbody ID:                                               |          |       |                         |                  | ILP Map #:     |          |                |                      |         | ILP #:               |               | Reach #: 1 - |         |             |  |                                    |  |
| Project ID: 1550                                            |          |       |                         |                  | Lake/Stream: S |          |                |                      |         | Lake From Date:      |               |              |         |             |  |                                    |  |
| Fish Permit #: 145084K                                      |          |       |                         | Date: 2001/08/07 |                |          |                | To: 2001/08/07       |         |                      |               | Agency: C172 |         | Crew: JD/EL |  | Resample: <input type="checkbox"/> |  |
| SITE / METHOD                                               |          |       |                         |                  |                |          |                |                      |         |                      |               |              |         |             |  |                                    |  |
| Site#                                                       | NID Map  | NID # | UTM:Zone/East/North/Mhd |                  |                |          | MTD/NO         | Temp                 | Cond    | Turbid               | Comment       |              |         |             |  |                                    |  |
| 20                                                          | 093M.084 | 22020 | 9                       | 606019           | 6190445        | GPU      | EF 1           | 5                    | 40      | L                    |               |              |         |             |  |                                    |  |
| A. GEAR SETTINGS                                            |          |       |                         |                  |                |          |                |                      |         |                      |               |              |         |             |  |                                    |  |
| Site#                                                       | MTD/NO   | H/P   | Date In                 | Time In          | Date Out       | Time Out | Comment        |                      |         |                      |               |              |         |             |  |                                    |  |
| 20                                                          | EF       | 1     | 2001/08/07              | 08:55            | 2001/08/07     | 09:25    |                |                      |         |                      |               |              |         |             |  |                                    |  |
| C. ELECTROFISHER SPECIFICATIONS                             |          |       |                         |                  |                |          |                |                      |         |                      |               |              |         |             |  |                                    |  |
| Site#                                                       | MTD/NO   | H/P   | Encl                    | Sec              | Length         | Width    | Voltage        | Frequency            | Pulse   | Make                 | Model         |              |         |             |  |                                    |  |
| 20                                                          | EF       | 1     | 1                       | O                | 201            | 125.0    | 1.0            | 900                  | 70      | 6                    | SMITH<br>ROOT | 12B          |         |             |  |                                    |  |
| FISH SUMMARY                                                |          |       |                         |                  |                |          |                |                      |         |                      |               |              |         |             |  |                                    |  |
| Site#                                                       | MTD/NO   | H/P   | Species                 | Stage            | Age            | Total #  | Lgth (Min/Max) | FishAct              | Comment |                      |               |              |         |             |  |                                    |  |
| 20                                                          | EF       | 1     | 1                       | BT               | J              | 2        | 63 71          | R                    |         |                      |               |              |         |             |  |                                    |  |
| INDIVIDUAL FISH DATA                                        |          |       |                         |                  |                |          |                |                      |         |                      |               |              |         |             |  |                                    |  |
| Site#                                                       | MTD/NO   | H/P   | Species                 | Length           | Weight         | Sex      | Mat            | Age<br>Str/Smpl#/Age | Vch#    | Genetic<br>Str/Smpl# | Roll #        | Frame#       | Comment |             |  |                                    |  |
| 20                                                          | EF       | 1     | 1                       | BT               | 63             |          | U              | U                    |         |                      |               |              |         |             |  |                                    |  |
| 20                                                          | EF       | 1     | 1                       | BT               | 71             |          | U              | U                    |         |                      |               |              |         |             |  |                                    |  |





Site #20, Upstream photo of cascade with functioning LWD.  
Roll #2, Frame #17, Date: 2001/08/07



Site #20, Downstream photo of boulder section.  
Roll #2, Frame #18, Date: 2001/08/07



# FDIS Reach/Site Summary

Shelagyote River Planning Area

Reach # ILP Map # ILP #

Watershed Code: 480-195700-60300-00000-0000-000-000-000-000-000

6.0

| STREAM REFERENCING                                                                                                                                                                                                                     |                                        |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             |             |                                                                                    |            |                     |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------|------------|---------------------|---------------------|
| Gazetted Name:                                                                                                                                                                                                                         |                                        |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             | Local Name: |                                                                                    |            |                     |                     |
| Watershed Code: 480-195700-60300-00000-0000-000-000-000-000-000                                                                                                                                                                        |                                        |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             | ILP Map #:  |                                                                                    | ILP #:     |                     |                     |
| REACH                                                                                                                                                                                                                                  |                                        |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             |             |                                                                                    |            |                     |                     |
| Reach #: 6.0                                                                                                                                                                                                                           |                                        | UTM(Zone/East/North): 9.603344.6192205                                                                                                                                                                                        |                   |                                                                                                                                                                                             |             | Sample Type: Biased                                                                |            |                     |                     |
| Length (km): 1.38                                                                                                                                                                                                                      |                                        | Coupling: Coupled                                                                                                                                                                                                             |                   | Magnitude: 21                                                                                                                                                                               |             | BGC Zone: AT                                                                       |            |                     |                     |
| Gradient (%): 13.0                                                                                                                                                                                                                     |                                        | Confinement: Frequently Confin                                                                                                                                                                                                |                   | Order: 3                                                                                                                                                                                    |             | Open water: Absent                                                                 |            |                     |                     |
| US Elev (m): 1341                                                                                                                                                                                                                      |                                        | Islands: NONE                                                                                                                                                                                                                 |                   | Riparian Vegetation: Shrubs                                                                                                                                                                 |             |                                                                                    |            |                     |                     |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                                        |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             |             |                                                                                    |            |                     |                     |
| SITE                                                                                                                                                                                                                                   |                                        |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             |             |                                                                                    |            |                     |                     |
| Site #: 21                                                                                                                                                                                                                             |                                        | Field UTM 9.603437.6191709                                                                                                                                                                                                    |                   | Agency: C172                                                                                                                                                                                |             | Crew: JD/EL                                                                        |            | Date: 2001/08/07    |                     |
| Site Length (m): 300                                                                                                                                                                                                                   |                                        | GIS UTM 9.603447.6191629                                                                                                                                                                                                      |                   | Agency Name: Triton Environmental Consultants (Terrace)                                                                                                                                     |             |                                                                                    |            |                     |                     |
| CHANNEL                                                                                                                                                                                                                                |                                        |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             |             |                                                                                    |            |                     |                     |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   | Intermittent: <input type="checkbox"/> |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             |             |                                                                                    |            |                     |                     |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    | Tribs.: <input type="checkbox"/>       |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             |             |                                                                                    |            |                     |                     |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |                                        |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             |             |                                                                                    |            |                     |                     |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |                                        |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             |             |                                                                                    |            |                     |                     |
| High <input type="checkbox"/>                                                                                                                                                                                                          |                                        |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             |             |                                                                                    |            |                     |                     |
| Temp (C): 5                                                                                                                                                                                                                            |                                        | pH: 8.2                                                                                                                                                                                                                       |                   | Conductivity: 40                                                                                                                                                                            |             | Turbidity: Turbid <input type="checkbox"/> Low <input checked="" type="checkbox"/> |            |                     |                     |
|                                                                                                                                                                                                                                        |                                        |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             |             | Moderate <input type="checkbox"/> Clear <input type="checkbox"/>                   |            |                     |                     |
| MORPHOLOGY                                                                                                                                                                                                                             |                                        |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             |             |                                                                                    |            |                     |                     |
| Bed Material: Dominant: Cobble                                                                                                                                                                                                         |                                        | D95 (cm): 84.00                                                                                                                                                                                                               |                   | Bars: Non <input type="checkbox"/> Side <input checked="" type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input checked="" type="checkbox"/> Span <input type="checkbox"/> |             |                                                                                    |            |                     |                     |
| Subdominant: Boulders                                                                                                                                                                                                                  |                                        | D (cm): 13.00                                                                                                                                                                                                                 |                   | Braid <input type="checkbox"/>                                                                                                                                                              |             |                                                                                    |            |                     |                     |
| Channel Pattern: Sinuous                                                                                                                                                                                                               |                                        | Islands: None                                                                                                                                                                                                                 |                   | DISTURBANCE INDICATORS                                                                                                                                                                      |             |                                                                                    |            |                     |                     |
| Coupling: Partially Coupled                                                                                                                                                                                                            |                                        |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             |             |                                                                                    |            |                     |                     |
| Confinement: Unconfined                                                                                                                                                                                                                |                                        |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             |             |                                                                                    |            |                     |                     |
| Morphology: CP Cascade Pool                                                                                                                                                                                                            |                                        |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             |             |                                                                                    |            |                     |                     |
| COVER                                                                                                                                                                                                                                  |                                        |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             |             |                                                                                    |            |                     |                     |
| Total Cover: Abundant                                                                                                                                                                                                                  |                                        |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             |             |                                                                                    |            |                     |                     |
| LWD: None                                                                                                                                                                                                                              |                                        |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             |             |                                                                                    |            |                     |                     |
| LWD Dist: Not Applicable                                                                                                                                                                                                               |                                        |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             |             |                                                                                    |            |                     |                     |
|                                                                                                                                                                                                                                        |                                        |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             |             |                                                                                    |            |                     |                     |
| Right Bank: Shape: Sloping (g)                                                                                                                                                                                                         |                                        | Texture: Fines <input type="checkbox"/> Gravel <input checked="" type="checkbox"/> Cobble <input checked="" type="checkbox"/> Boulder <input type="checkbox"/> Rock <input type="checkbox"/> Manmade <input type="checkbox"/> |                   | Crown Closure                                                                                                                                                                               |             |                                                                                    |            |                     |                     |
| Left Bank: Shape: Sloping (g)                                                                                                                                                                                                          |                                        | Texture: Fines <input type="checkbox"/> Gravel <input checked="" type="checkbox"/> Cobble <input checked="" type="checkbox"/> Boulder <input type="checkbox"/> Rock <input type="checkbox"/> Manmade <input type="checkbox"/> |                   | 0%                                                                                                                                                                                          |             |                                                                                    |            |                     |                     |
| Right Bank: Rip.Veg: Mixed C/D                                                                                                                                                                                                         |                                        | Stage: Mature forest                                                                                                                                                                                                          |                   |                                                                                                                                                                                             |             |                                                                                    |            |                     |                     |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |                                        | Stage: Mature forest                                                                                                                                                                                                          |                   | Instream Veg: None <input checked="" type="checkbox"/> Algae <input type="checkbox"/> Moss <input type="checkbox"/> Vascular <input type="checkbox"/>                                       |             |                                                                                    |            |                     |                     |
| FISH                                                                                                                                                                                                                                   |                                        |                                                                                                                                                                                                                               |                   |                                                                                                                                                                                             |             |                                                                                    |            |                     |                     |
| Site Number                                                                                                                                                                                                                            | Capture Method                         | Number of Events                                                                                                                                                                                                              | Length fished (m) | Total Time                                                                                                                                                                                  | Voltage     | Species                                                                            | Total Fish | Minimum Length (mm) | Maximum Length (mm) |
| 21                                                                                                                                                                                                                                     | EF                                     | 1                                                                                                                                                                                                                             | 300               | 276 sec                                                                                                                                                                                     | 900         | NFC                                                                                | 0          |                     |                     |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-60300-00000-00000-00000-00000-00000-00000

Reach # 6.0 ILP Map # ILP # 1550 Site 21

### PROJECT

Project Name: Shelagyote Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-000000-000000-000000-000000-000000-000000-000000  
Project Code: 1550

### WATERSHED

Gazetted Name: Watershed Code: 480-195700-60300-00000-00000-00000-00000-00000-00000-00000  
ILP Map #: ILP #: NID Map #: 093M.084 NID #: 22021 Reach #: 6.0 Site #: 21  
Field UTM (Z.E.N): 9.603437.6191709 Method: GPU Site Lg: 300 Method: GE Access: H  
GIS UTM (Z.E.N): 9.603447.6191629 Ref. Name:  
Date: 2001/08/07 Time: 09:35 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg   |            | Gadient % |      | Mtd | Avg   |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|-----------|------|-----|-------|
| Channel Width (m): | GE  | 16.00 | 10.00 | 12.00 | 12.00 | 14.00 | 10.00 |       |       |       |       | 12.33 | Method I:  | 10.0      | 12.0 | C   | 10.75 |
| Wetted Width (m):  | GE  | 6.00  | 5.00  | 8.00  | 7.00  | 6.00  | 5.00  |       |       |       |       | 6.17  | Method II: | 9.0       | 12.0 | C   |       |
| Pool Depth (m):    | MS  | 0.40  | 0.30  | 0.30  | 0.30  | 0.20  | 0.30  |       |       |       |       | 0.30  |            |           |      |     |       |

Wb Depth: .3 .3 .4 Avg: 0.33 Method: GE Stage: L ☐ M ☒ H ☐ No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                      | B                                   | U                        | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | N                        | D                                   | N                        | T                                   | S                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

LWD: N DIST: NA

LB SHP: S

Texture: F ☐ G ☒ C ☒ B ☐ R ☐ A ☐

RIP: M

STG: MF

CROWN CLOSURE

0 0%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

RB SHP: S

Texture: F ☐ G ☒ C ☒ B ☐ R ☐ A ☐

RIP: M

STG: MF

### WATER

EMS: Temp: 5 Method: T4 Req #: Cond.: 40 Method: S3  
pH: 8.2 Method: P2 Turb.: T ☐ M ☐ L ☒ C ☐ Method: GE  
Flood Signs: Cobble above banks Method: GE

### MORPHOLOGY

Bed Material: Dominant: C Subdom: B O1 B1 B2 B3 D1 D2 D3  
D95: 84.0 D (cm): 13.00 Morph: CP DISTURBANCE INDICATORS C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Pattern: SI Islands: N Coupling: PC Confinement: UN FSZ: ☐  
Bars: N ☐ SIDE ☒ DIAG ☐ MID ☒ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                 |
|--------------------|------------------------------------------|
| OverWinter Habitat | None in surveyed section                 |
| Cover              | Moderate-mostly boulder cover            |
| Rearing Habitat    | Poor-high energy with some holding areas |
| Spawning Habitat   | Poor-mostly cobble                       |

### PHOTOS

| Photo      | Foc Lg | Dir | Comments                                                                      |
|------------|--------|-----|-------------------------------------------------------------------------------|
| R: 2 F: 19 | STD    | U   | Upstream photo of cascade/boulder section (note cobble on banks)              |
| R: 2 F: 20 | STD    | D   | Downstream photo of cascade/boulder section with Jason (note cobble on banks) |

# FDIS Fish Card

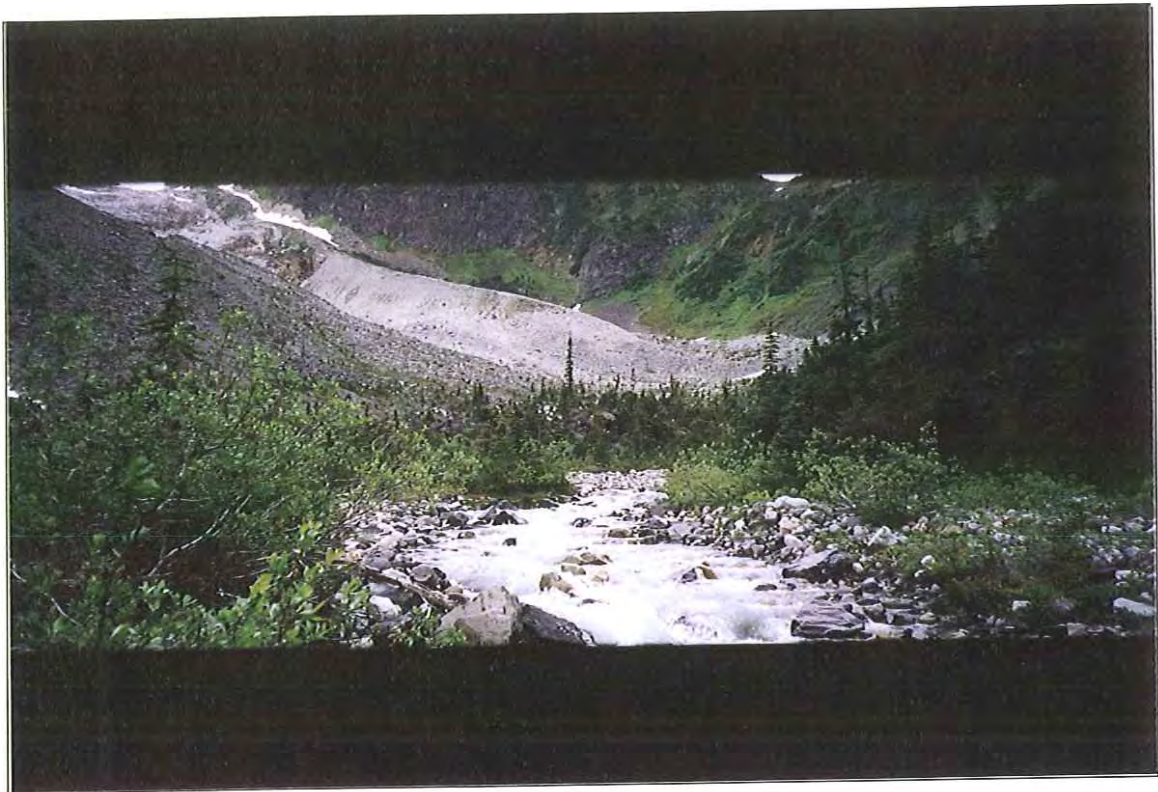
## Shelagyote River Planning Area

Reach #      ILP Map #      ILP #

Watershed Code:      480-195700-60300-00000-0000-0000-000-000-000-000-000      6.0

| WATERBODY                                                     |          |       |                          |                |         |                |          |                 |              |              |               |       |                                    |
|---------------------------------------------------------------|----------|-------|--------------------------|----------------|---------|----------------|----------|-----------------|--------------|--------------|---------------|-------|------------------------------------|
| Gazetted Name:                                                |          |       |                          |                |         |                |          |                 |              | Local: None  |               |       |                                    |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-0   |          |       |                          |                |         |                |          |                 |              |              |               |       |                                    |
| WS Code: 480-195700-60300-00000-0000-0000-000-000-000-000-000 |          |       |                          |                |         |                |          |                 |              |              |               |       |                                    |
| Waterbody ID:                                                 |          |       |                          | ILP Map #:     |         |                |          | ILP #:          |              | Reach #: 6 - |               |       |                                    |
| Project ID: 1550                                              |          |       |                          | Lake/Stream: S |         |                |          | Lake From Date: |              |              |               |       |                                    |
| Fish Permit #: 145084K                                        |          |       | Date: 2001/08/07         |                |         | To: 2001/08/07 |          |                 | Agency: C172 |              | Crew: JD/EL   |       | Resample: <input type="checkbox"/> |
| SITE / METHOD                                                 |          |       |                          |                |         |                |          |                 |              |              |               |       |                                    |
| Site#                                                         | NID Map  | NID # | UTM:Zone/East/North/Mthd |                |         | MTD/NO         |          | Temp            | Cond         | Turbid       | Comment       |       |                                    |
| 21                                                            | 093M.084 | 22021 | 9                        | 603437         | 6191709 | GPU            | EF 1     | 5               | 40           | L            |               |       |                                    |
| A. GEAR SETTINGS                                              |          |       |                          |                |         |                |          |                 |              |              |               |       |                                    |
| Site#                                                         | MTD/NO   |       | H/P                      | Date In        | Time In | Date Out       | Time Out | Comment         |              |              |               |       |                                    |
| 21                                                            | EF 1     |       | 1                        | 2001/08/07     | 09:35   | 2001/08/07     | 09:55    |                 |              |              |               |       |                                    |
| C. ELECTROFISHER SPECIFICATIONS                               |          |       |                          |                |         |                |          |                 |              |              |               |       |                                    |
| Site#                                                         | MTD/NO   |       | H/P                      | Encl           | Sec     | Length         | Width    | Voltage         | Frequency    | Pulse        | Make          | Model |                                    |
| 21                                                            | EF 1     |       | 1                        | O              | 276     | 300.0          | 1.0      | 900             | 70           | 6            | SMITH<br>ROOT | 12B   |                                    |
| FISH SUMMARY                                                  |          |       |                          |                |         |                |          |                 |              |              |               |       |                                    |
| Site#                                                         | MTD/NO   |       | H/P                      | Species        | Stage   | Age            | Total #  | Lgth (Min/Max)  | FishAct      | Comment      |               |       |                                    |
| 21                                                            | EF 1     |       | 1                        | NFC            |         |                | 0        |                 |              |              |               |       |                                    |





Site #21, Upstream photo of cascade/boulder section (note cobble on banks).  
Roll #2, Frame #19, Date: 2001/08/07



Site #21, Downstream photo of cascade/boulder section with Jason (note cobble on banks).  
Roll #2, Frame #20, Date: 2001/08/07



## Shelagyote River Planning Area

| Reach # | ILP Map # | ILP # |
|---------|-----------|-------|
| 1       | 1         | 1     |
| 2       | 2         | 2     |
| 3       | 3         | 3     |
| 4       | 4         | 4     |
| 5       | 5         | 5     |
| 6       | 6         | 6     |
| 7       | 7         | 7     |
| 8       | 8         | 8     |
| 9       | 9         | 9     |
| 10      | 10        | 10    |
| 11      | 11        | 11    |
| 12      | 12        | 12    |
| 13      | 13        | 13    |
| 14      | 14        | 14    |
| 15      | 15        | 15    |
| 16      | 16        | 16    |
| 17      | 17        | 17    |
| 18      | 18        | 18    |
| 19      | 19        | 19    |
| 20      | 20        | 20    |
| 21      | 21        | 21    |
| 22      | 22        | 22    |
| 23      | 23        | 23    |
| 24      | 24        | 24    |
| 25      | 25        | 25    |
| 26      | 26        | 26    |
| 27      | 27        | 27    |
| 28      | 28        | 28    |
| 29      | 29        | 29    |
| 30      | 30        | 30    |
| 31      | 31        | 31    |
| 32      | 32        | 32    |
| 33      | 33        | 33    |
| 34      | 34        | 34    |
| 35      | 35        | 35    |
| 36      | 36        | 36    |
| 37      | 37        | 37    |
| 38      | 38        | 38    |
| 39      | 39        | 39    |
| 40      | 40        | 40    |
| 41      | 41        | 41    |
| 42      | 42        | 42    |
| 43      | 43        | 43    |
| 44      | 44        | 44    |
| 45      | 45        | 45    |
| 46      | 46        | 46    |
| 47      | 47        | 47    |
| 48      | 48        | 48    |
| 49      | 49        | 49    |
| 50      | 50        | 50    |
| 51      | 51        | 51    |
| 52      | 52        | 52    |
| 53      | 53        | 53    |
| 54      | 54        | 54    |
| 55      | 55        | 55    |
| 56      | 56        | 56    |
| 57      | 57        | 57    |
| 58      | 58        | 58    |
| 59      | 59        | 59    |
| 60      | 60        | 60    |
| 61      | 61        | 61    |
| 62      | 62        | 62    |
| 63      | 63        | 63    |
| 64      | 64        | 64    |
| 65      | 65        | 65    |
| 66      | 66        | 66    |
| 67      | 67        | 67    |
| 68      | 68        | 68    |
| 69      | 69        | 69    |
| 70      | 70        | 70    |
| 71      | 71        | 71    |
| 72      | 72        | 72    |
| 73      | 73        | 73    |
| 74      | 74        | 74    |
| 75      | 75        | 75    |
| 76      | 76        | 76    |
| 77      | 77        | 77    |
| 78      | 78        | 78    |
| 79      | 79        | 79    |
| 80      | 80        | 80    |
| 81      | 81        | 81    |
| 82      | 82        | 82    |
| 83      | 83        | 83    |
| 84      | 84        | 84    |
| 85      | 85        | 85    |
| 86      | 86        | 86    |
| 87      | 87        | 87    |
| 88      | 88        | 88    |
| 89      | 89        | 89    |
| 90      | 90        | 90    |
| 91      | 91        | 91    |
| 92      | 92        | 92    |
| 93      | 93        | 93    |
| 94      | 94        | 94    |
| 95      | 95        | 95    |
| 96      | 96        | 96    |
| 97      | 97        | 97    |
| 98      | 98        | 98    |
| 99      | 99        | 99    |
| 100     | 100       | 100   |

5.0

| <b>STREAM REFERENCING</b>                                                                                                                                                                                                                      |                       |                                                |                          |                                                                |                                 |                                                    |                                          |                                          |                                          |                                             |                                        |                                       |                                                |   |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------|--------------------------|----------------------------------------------------------------|---------------------------------|----------------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|---------------------------------------------|----------------------------------------|---------------------------------------|------------------------------------------------|---|--|
| <b>Gazetted Name:</b>                                                                                                                                                                                                                          |                       |                                                |                          |                                                                |                                 | <b>Local Name:</b>                                 |                                          |                                          |                                          |                                             |                                        |                                       |                                                |   |  |
| <b>Watershed Code:</b> 480-195700-60300-00000-0000-0000-000-000-000-000-000                                                                                                                                                                    |                       |                                                |                          |                                                                |                                 | <b>ILP Map #:</b>                                  |                                          |                                          | <b>ILP #:</b>                            |                                             |                                        |                                       |                                                |   |  |
| <b>REACH</b>                                                                                                                                                                                                                                   |                       |                                                |                          |                                                                |                                 |                                                    |                                          |                                          |                                          |                                             |                                        |                                       |                                                |   |  |
| <b>Reach #:</b> 5.0                                                                                                                                                                                                                            |                       | <b>UTM(Zone/East/North):</b> 9.603918.6191143  |                          |                                                                |                                 | <b>Sample Type:</b> Biased                         |                                          |                                          |                                          |                                             |                                        |                                       |                                                |   |  |
| <b>Length (km):</b> .50                                                                                                                                                                                                                        |                       | <b>Coupling:</b> Coupled                       |                          | <b>Magnitude:</b> 23                                           |                                 | <b>BGC Zone:</b> ESSF                              |                                          |                                          |                                          |                                             |                                        |                                       |                                                |   |  |
| <b>Gradient (%):</b> 18.8                                                                                                                                                                                                                      |                       | <b>Confinement:</b> Confined                   |                          | <b>Order:</b> 3                                                |                                 | <b>Open water:</b> Absent                          |                                          |                                          |                                          |                                             |                                        |                                       |                                                |   |  |
| <b>US Elev (m):</b> 1161                                                                                                                                                                                                                       |                       | <b>Islands:</b> NONE                           |                          | <b>Riparian Vegetation:</b> Coniferous                         |                                 |                                                    |                                          |                                          |                                          |                                             |                                        |                                       |                                                |   |  |
| <b>Bars:</b> None <input checked="" type="checkbox"/> Slide <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                       |                                                |                          |                                                                |                                 |                                                    |                                          |                                          |                                          |                                             |                                        |                                       |                                                |   |  |
| <b>SITE</b>                                                                                                                                                                                                                                    |                       |                                                |                          |                                                                |                                 |                                                    |                                          |                                          |                                          |                                             |                                        |                                       |                                                |   |  |
| <b>Site #:</b> 22                                                                                                                                                                                                                              |                       | <b>Field UTM</b> 9.603921.6191149              |                          | <b>Agency:</b> C172                                            |                                 | <b>Crew:</b> JD/EL                                 |                                          | <b>Date:</b> 2001/08/07                  |                                          |                                             |                                        |                                       |                                                |   |  |
| <b>Site Length (m):</b> 300                                                                                                                                                                                                                    |                       | <b>GIS UTM</b> 9.603987.6191232                |                          | <b>Agency Name:</b> Triton Environmental Consultants (Terrace) |                                 |                                                    |                                          |                                          |                                          |                                             |                                        |                                       |                                                |   |  |
| <b>CHANNEL</b>                                                                                                                                                                                                                                 |                       |                                                |                          |                                                                |                                 |                                                    |                                          |                                          |                                          |                                             |                                        |                                       |                                                |   |  |
| <b>No Vis.Ch.:</b> <input type="checkbox"/>                                                                                                                                                                                                    |                       | <b>Intermittent:</b> <input type="checkbox"/>  |                          | <b>Avg</b>                                                     | <b>Min</b>                      | <b>Max</b>                                         | <b>#</b>                                 |                                          |                                          | <b>Avg</b>                                  | <b>Min</b>                             | <b>Max</b>                            | <b>#</b>                                       |   |  |
| <b>Dewatered:</b> <input type="checkbox"/>                                                                                                                                                                                                     |                       | <b>Tribs.:</b> <input type="checkbox"/>        |                          | <b>Channel Width (m):</b>                                      | 5.00                            | 4                                                  | 6                                        | 6                                        | <b>Gradient %:</b>                       |                                             | 14.75                                  | 18                                    | 18                                             | 4 |  |
| <b>Stage:</b> Low <input type="checkbox"/>                                                                                                                                                                                                     |                       |                                                |                          | <b>Wetted Width (m):</b>                                       | 5.00                            | 4                                                  | 6                                        | 6                                        | <b>Pool Depth (m):</b>                   |                                             | 0.47                                   | 0.300                                 | 0.600                                          | 6 |  |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                        |                       |                                                |                          | <b>Bankfull Depth (m):</b>                                     | 0.40                            | 0.4                                                | 0.4                                      | 3                                        | <b>Turbidity.:</b>                       |                                             | <b>Turbid</b> <input type="checkbox"/> |                                       | <b>Low</b> <input checked="" type="checkbox"/> |   |  |
| High <input type="checkbox"/>                                                                                                                                                                                                                  |                       |                                                |                          | <b>pH:</b> 8.2                                                 | <b>Conductivity:</b> 40         |                                                    |                                          |                                          | <b>Moderate</b> <input type="checkbox"/> |                                             | <b>Clear</b> <input type="checkbox"/>  |                                       |                                                |   |  |
| <b>MORPHOLOGY</b>                                                                                                                                                                                                                              |                       |                                                |                          |                                                                |                                 |                                                    |                                          |                                          |                                          |                                             |                                        |                                       |                                                |   |  |
| <b>Bed Material:</b> Dominant: Rock                                                                                                                                                                                                            |                       | <b>D95 (cm):</b> 72.00                         |                          | <b>Bars:</b> Non <input checked="" type="checkbox"/>           |                                 | <b>Side</b> <input type="checkbox"/>               |                                          | <b>Diagonal</b> <input type="checkbox"/> |                                          | <b>Mid-channel</b> <input type="checkbox"/> |                                        | <b>Span</b> <input type="checkbox"/>  |                                                |   |  |
| Subdominant: Boulders                                                                                                                                                                                                                          |                       | <b>D (cm):</b> 21.00                           |                          |                                                                |                                 |                                                    |                                          |                                          |                                          |                                             |                                        | <b>Braid</b> <input type="checkbox"/> |                                                |   |  |
| <b>Channel Pattern:</b> Irregular, Wandering                                                                                                                                                                                                   |                       | <b>Islands:</b> None                           |                          | <b>DISTURBANCE INDICATORS</b>                                  |                                 | O1                                                 | B1                                       | B2                                       | B3                                       | D1                                          | D2                                     | D3                                    |                                                |   |  |
| <b>Coupling:</b> Coupled                                                                                                                                                                                                                       |                       |                                                |                          |                                                                |                                 | <input type="checkbox"/>                           | <input type="checkbox"/>                 | <input type="checkbox"/>                 | <input type="checkbox"/>                 | <input type="checkbox"/>                    | <input type="checkbox"/>               | <input type="checkbox"/>              | <input type="checkbox"/>                       |   |  |
| <b>Confinement:</b> Entrenched                                                                                                                                                                                                                 |                       |                                                |                          |                                                                |                                 | C1                                                 | C2                                       | C3                                       | C4                                       | C5                                          | S1                                     | S2                                    | S3                                             |   |  |
| <b>Morphology:</b> CP Cascade Pool                                                                                                                                                                                                             |                       |                                                |                          |                                                                |                                 | <input type="checkbox"/>                           | <input type="checkbox"/>                 | <input type="checkbox"/>                 | <input type="checkbox"/>                 | <input type="checkbox"/>                    | <input type="checkbox"/>               | <input type="checkbox"/>              | <input type="checkbox"/>                       |   |  |
| <b>COVER</b>                                                                                                                                                                                                                                   |                       |                                                |                          |                                                                |                                 |                                                    |                                          |                                          |                                          |                                             |                                        |                                       |                                                |   |  |
| <b>Total Cover:</b> Abundant                                                                                                                                                                                                                   |                       | <b>Type:</b> SWD                               |                          | LWD                                                            | B                               | U                                                  | DP                                       | OV                                       | IV                                       |                                             |                                        |                                       |                                                |   |  |
| <b>LWD:</b> None                                                                                                                                                                                                                               |                       | <b>Amount:</b> T                               |                          | N                                                              | S                               | N                                                  | D                                        | N                                        | N                                        |                                             |                                        |                                       |                                                |   |  |
| <b>LWD Dist:</b> Not Applicable                                                                                                                                                                                                                |                       | <b>Location:</b> P/S/O:                        |                          | <input checked="" type="checkbox"/>                            | <input type="checkbox"/>        | <input type="checkbox"/>                           | <input checked="" type="checkbox"/>      | <input type="checkbox"/>                 | <input type="checkbox"/>                 | <input type="checkbox"/>                    | <input type="checkbox"/>               | <input type="checkbox"/>              | <input type="checkbox"/>                       |   |  |
| <b>Right Bank:</b> Shape: Sloping (g)                                                                                                                                                                                                          |                       | <b>Texture:</b> Fines <input type="checkbox"/> |                          | Gravel <input type="checkbox"/>                                | Cobble <input type="checkbox"/> | Boulder <input type="checkbox"/>                   | Rock <input checked="" type="checkbox"/> | Manmade <input type="checkbox"/>         | <b>Crown Closure</b>                     |                                             |                                        |                                       |                                                |   |  |
| <b>Left Bank:</b> Shape: Sloping (g)                                                                                                                                                                                                           |                       | <b>Texture:</b> Fines <input type="checkbox"/> |                          | Gravel <input type="checkbox"/>                                | Cobble <input type="checkbox"/> | Boulder <input type="checkbox"/>                   | Rock <input checked="" type="checkbox"/> | Manmade <input type="checkbox"/>         | <b>0%</b>                                |                                             |                                        |                                       |                                                |   |  |
| <b>Right Bank:</b> Rip.Veg: Coniferous                                                                                                                                                                                                         |                       | <b>Stage:</b> Mature forest                    |                          |                                                                |                                 |                                                    |                                          |                                          |                                          |                                             |                                        |                                       |                                                |   |  |
| <b>Left Bank:</b> Rip.Veg:                                                                                                                                                                                                                     |                       | <b>Stage:</b> Mature forest                    |                          |                                                                |                                 | <b>Instream Veg:</b> None <input type="checkbox"/> |                                          | Algae <input type="checkbox"/>           | Moss <input checked="" type="checkbox"/> | Vascular <input type="checkbox"/>           |                                        |                                       |                                                |   |  |
| <b>FEATURES</b>                                                                                                                                                                                                                                |                       |                                                |                          |                                                                |                                 |                                                    |                                          |                                          |                                          |                                             |                                        |                                       |                                                |   |  |
| <b>NID Map</b>                                                                                                                                                                                                                                 | <b>NID</b>            | <b>Type</b>                                    | <b>Hgt</b>               | <b>Method</b>                                                  | <b>Lg</b>                       | <b>Method</b>                                      | <b>Photo</b>                             |                                          | <b>AirPhoto</b>                          |                                             | <b>UTM (Z/E/N)</b>                     |                                       |                                                |   |  |
| 093M.084                                                                                                                                                                                                                                       | 88028                 | F                                              | 10.0                     | GE                                                             |                                 | HC                                                 | R: 2                                     | F: 21                                    | L:                                       | #:                                          | 9.604057.6191                          |                                       |                                                |   |  |
| <b>Comments:</b> Falls over bedrock                                                                                                                                                                                                            |                       |                                                |                          |                                                                |                                 |                                                    |                                          |                                          |                                          |                                             |                                        |                                       |                                                |   |  |
| <b>FISH</b>                                                                                                                                                                                                                                    |                       |                                                |                          |                                                                |                                 |                                                    |                                          |                                          |                                          |                                             |                                        |                                       |                                                |   |  |
| <b>Site Number</b>                                                                                                                                                                                                                             | <b>Capture Method</b> | <b>Number of Events</b>                        | <b>Length fished (m)</b> | <b>Total Time</b>                                              | <b>Voltage</b>                  | <b>Species</b>                                     | <b>Total Fish</b>                        | <b>Minimum Length (mm)</b>               | <b>Maximum Length (mm)</b>               |                                             |                                        |                                       |                                                |   |  |
| 22                                                                                                                                                                                                                                             | EF                    | 1                                              | 300                      | 320 sec                                                        | 900                             | NFC                                                | 0                                        |                                          |                                          |                                             |                                        |                                       |                                                |   |  |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-60300-00000-00000-0000-000-000-000-000-000

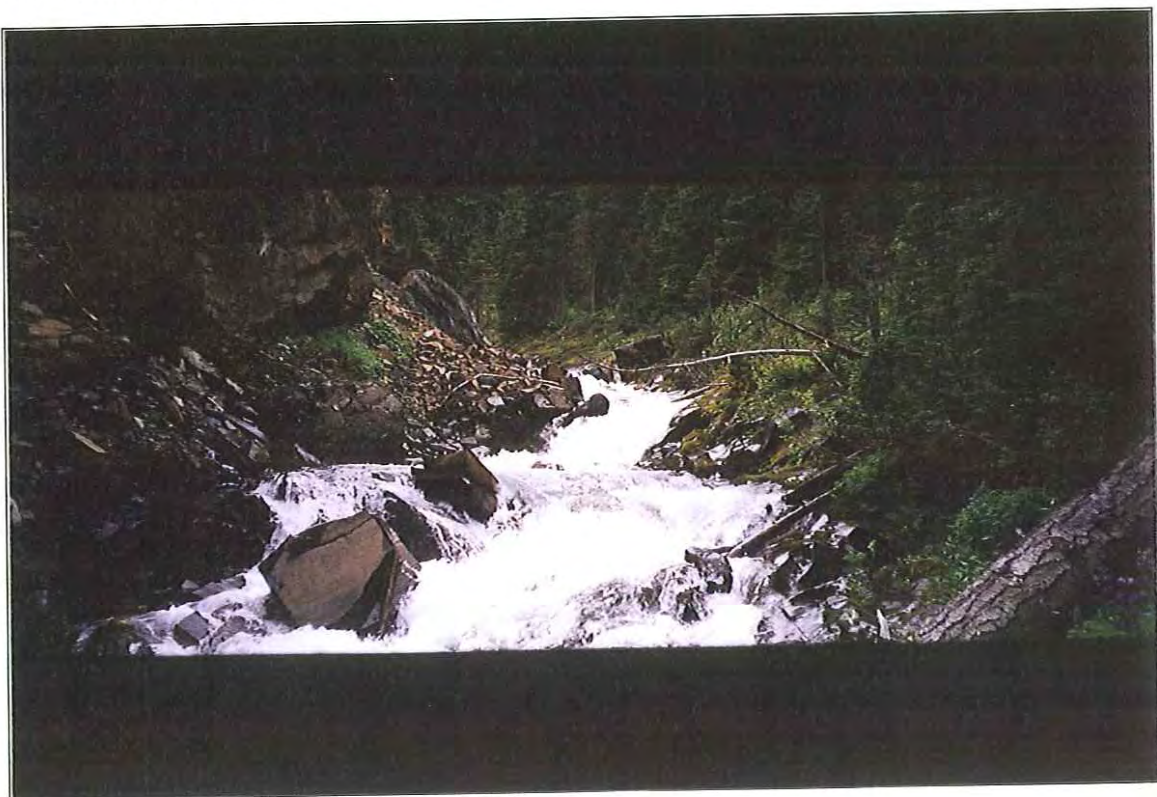
Reach # 5.0 ILP Map # ILP # Site 22

| PROJECT                                                                     |                                     |                                           |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
|-----------------------------------------------------------------------------|-------------------------------------|-------------------------------------------|--------------------------|--------------------------|-------------------------------------|---------------------------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------|--------|-------------------------------|--|-----------------------------|--|--------------------------|--|
| Project Name: Shelagyote Inventory                                          |                                     |                                           |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    | Project Code: 1550                                                                                                            |                          |                              |        |                               |  |                             |  |                          |  |
| Stream Name (gaz.): BABINE RIVER                                            |                                     |                                           |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000 |                                     |                                           |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| WATERSHED                                                                   |                                     |                                           |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| Gazetted Name:                                                              |                                     |                                           |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    | Local Name: None                                                                                                              |                          |                              |        |                               |  |                             |  |                          |  |
| Watershed Code: 480-195700-60300-00000-00000-0000-000-000-000-000-000       |                                     |                                           |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| ILP Map#:                                                                   |                                     | ILP #:                                    |                          | NID Map #: 093M.084      |                                     | NID #: 22022                                |                          | Reach #: 5.0                                                                                                                                                                          |                                                                                                    | Site #: 22                                                                                                                    |                          |                              |        |                               |  |                             |  |                          |  |
| Field UTM (Z.E.N): 9.603921.6191149                                         |                                     |                                           |                          | Method: GPU              |                                     | Site Lg: 300                                |                          | Method: GE                                                                                                                                                                            |                                                                                                    | Access: H                                                                                                                     |                          |                              |        |                               |  |                             |  |                          |  |
| GIS UTM (Z.E.N): 9.603987.6191232                                           |                                     |                                           |                          |                          |                                     | Ref. Name:                                  |                          |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| Date: 2001/08/07                                                            |                                     | Time: 10:15                               |                          | Agency: C172             |                                     | Crew: JD/EL                                 |                          | Fish Crd?: <input checked="" type="checkbox"/>                                                                                                                                        |                                                                                                    | Incomplete: <input type="checkbox"/>                                                                                          |                          |                              |        |                               |  |                             |  |                          |  |
| CHANNEL                                                                     |                                     |                                           |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
|                                                                             | Mtd                                 | width                                     | width                    | width                    | width                               | width                                       | width                    | width                                                                                                                                                                                 | width                                                                                              | width                                                                                                                         | width                    | width                        | Avg    |                               |  |                             |  |                          |  |
| Channel Width (m):                                                          | GE                                  | 6.00                                      | 4.00                     | 4.00                     | 5.00                                | 6.00                                        | 5.00                     |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              | 5.00   |                               |  |                             |  |                          |  |
| Wetted Width (m):                                                           | GE                                  | 6.00                                      | 4.00                     | 4.00                     | 5.00                                | 6.00                                        | 5.00                     |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              | 5.00   |                               |  |                             |  |                          |  |
| Pool Depth (m):                                                             | MS                                  | 0.60                                      | 0.50                     | 0.50                     | 0.40                                | 0.50                                        | 0.30                     |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              | 0.47   |                               |  |                             |  |                          |  |
| Wb Depth:                                                                   |                                     | .4                                        | .4                       | .4                       | Avg: 0.40                           |                                             | Method: MS               |                                                                                                                                                                                       | Stage: L <input type="checkbox"/> M <input checked="" type="checkbox"/> H <input type="checkbox"/> |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| COVER                                                                       |                                     | Total: A                                  |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| Type:                                                                       | SWD                                 | LWD                                       | B                        | U                        | DP                                  | OV                                          | IV                       |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| Amount:                                                                     | T                                   | N                                         | S                        | N                        | D                                   | N                                           | N                        |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| Loc: P/S/O:                                                                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>                  | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                    | <input type="checkbox"/> |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| LWD: N                                                                      | DIST: NA                            |                                           |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| LB SHP: S                                                                   |                                     |                                           |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| Texture: F                                                                  | <input type="checkbox"/>            | G                                         | <input type="checkbox"/> | C                        | <input type="checkbox"/>            | B                                           | <input type="checkbox"/> | R                                                                                                                                                                                     | <input checked="" type="checkbox"/>                                                                | A                                                                                                                             | <input type="checkbox"/> |                              |        |                               |  |                             |  |                          |  |
| RIP: C                                                                      |                                     |                                           |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| STG: MF                                                                     |                                     |                                           |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
|                                                                             |                                     |                                           |                          |                          |                                     |                                             |                          | CROWN CLOSURE                                                                                                                                                                         |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
|                                                                             |                                     |                                           |                          |                          |                                     |                                             |                          | 0 0%                                                                                                                                                                                  |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
|                                                                             |                                     |                                           |                          |                          |                                     |                                             |                          | INSTREAM VEG: N <input type="checkbox"/> A <input type="checkbox"/> M <input checked="" type="checkbox"/> V <input type="checkbox"/>                                                  |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
|                                                                             |                                     |                                           |                          |                          |                                     |                                             |                          | RB SHP: S                                                                                                                                                                             |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
|                                                                             |                                     |                                           |                          |                          |                                     |                                             |                          | Texture: F <input type="checkbox"/> G <input type="checkbox"/> C <input type="checkbox"/> B <input type="checkbox"/> R <input checked="" type="checkbox"/> A <input type="checkbox"/> |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
|                                                                             |                                     |                                           |                          |                          |                                     |                                             |                          | RIP: C                                                                                                                                                                                |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
|                                                                             |                                     |                                           |                          |                          |                                     |                                             |                          | STG: MF                                                                                                                                                                               |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| WATER                                                                       |                                     |                                           |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| EMS:                                                                        |                                     |                                           |                          |                          | Method: T4                          |                                             |                          |                                                                                                                                                                                       |                                                                                                    | Req #:                                                                                                                        |                          |                              |        |                               |  |                             |  |                          |  |
| Temp: 5                                                                     |                                     |                                           |                          |                          | Method: P2                          |                                             |                          |                                                                                                                                                                                       |                                                                                                    | Cond.: 40                                                                                                                     |                          |                              |        |                               |  |                             |  |                          |  |
| pH: 8.2                                                                     |                                     |                                           |                          |                          | Method: GE                          |                                             |                          |                                                                                                                                                                                       |                                                                                                    | Turb.: T <input type="checkbox"/> M <input type="checkbox"/> L <input checked="" type="checkbox"/> C <input type="checkbox"/> |                          |                              |        |                               |  |                             |  |                          |  |
| Flood Signs: None observed                                                  |                                     |                                           |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    | Method: S3                                                                                                                    |                          |                              |        |                               |  |                             |  |                          |  |
|                                                                             |                                     |                                           |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    | Method: GE                                                                                                                    |                          |                              |        |                               |  |                             |  |                          |  |
| MORPHOLOGY                                                                  |                                     |                                           |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| Bed Material:                                                               |                                     | Dominant: R                               |                          | Subdom: B                |                                     | O1                                          |                          | B1                                                                                                                                                                                    |                                                                                                    | B2                                                                                                                            |                          | B3                           |        | D1                            |  | D2                          |  | D3                       |  |
| D95: 72.0                                                                   |                                     | D (cm): 21.00                             |                          | Morph: CP                |                                     | <input type="checkbox"/>                    |                          | <input type="checkbox"/>                                                                                                                                                              |                                                                                                    | <input type="checkbox"/>                                                                                                      |                          | <input type="checkbox"/>     |        | <input type="checkbox"/>      |  | <input type="checkbox"/>    |  | <input type="checkbox"/> |  |
| Pattern: IR                                                                 |                                     |                                           |                          |                          |                                     | C1                                          |                          | C2                                                                                                                                                                                    |                                                                                                    | C3                                                                                                                            |                          | C4                           |        | C5                            |  | S1                          |  | S2                       |  |
| Islands: N                                                                  |                                     |                                           |                          |                          |                                     | <input type="checkbox"/>                    |                          | <input type="checkbox"/>                                                                                                                                                              |                                                                                                    | <input type="checkbox"/>                                                                                                      |                          | <input type="checkbox"/>     |        | <input type="checkbox"/>      |  | <input type="checkbox"/>    |  | <input type="checkbox"/> |  |
| Coupling: CO                                                                |                                     |                                           |                          |                          |                                     | <input type="checkbox"/>                    |                          | <input type="checkbox"/>                                                                                                                                                              |                                                                                                    | <input type="checkbox"/>                                                                                                      |                          | <input type="checkbox"/>     |        | <input type="checkbox"/>      |  | <input type="checkbox"/>    |  | <input type="checkbox"/> |  |
| Confinement: EN                                                             |                                     |                                           |                          |                          |                                     | <input type="checkbox"/>                    |                          | <input type="checkbox"/>                                                                                                                                                              |                                                                                                    | <input type="checkbox"/>                                                                                                      |                          | <input type="checkbox"/>     |        | <input type="checkbox"/>      |  | <input type="checkbox"/>    |  | <input type="checkbox"/> |  |
| FSZ: <input type="checkbox"/>                                               |                                     |                                           |                          |                          |                                     | <input type="checkbox"/>                    |                          | <input type="checkbox"/>                                                                                                                                                              |                                                                                                    | <input type="checkbox"/>                                                                                                      |                          | <input type="checkbox"/>     |        | <input type="checkbox"/>      |  | <input type="checkbox"/>    |  | <input type="checkbox"/> |  |
|                                                                             |                                     |                                           |                          |                          |                                     | Bars: N <input checked="" type="checkbox"/> |                          | SIDE <input type="checkbox"/>                                                                                                                                                         |                                                                                                    | DIAG <input type="checkbox"/>                                                                                                 |                          | MID <input type="checkbox"/> |        | SPAN <input type="checkbox"/> |  | BR <input type="checkbox"/> |  |                          |  |
| FEATURES                                                                    |                                     |                                           |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| NID Map                                                                     | NID                                 | Type                                      | Hgt                      | Method                   | Lg                                  | Method                                      | Photo                    |                                                                                                                                                                                       | AirPhoto                                                                                           |                                                                                                                               | UTM (Z/E/N)              |                              | Method |                               |  |                             |  |                          |  |
| 093M.084                                                                    | 88028                               | F                                         | 10.0                     | GE                       |                                     | HC                                          | R: 2                     | F: 21                                                                                                                                                                                 | L:                                                                                                 | #:                                                                                                                            | 9.604057.6191186         |                              | GIS    |                               |  |                             |  |                          |  |
| Comments:                                                                   |                                     | Falls over bedrock                        |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| HABITAT QUALITY                                                             |                                     |                                           |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| Name                                                                        |                                     | Comments                                  |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| OverWinter Habitat                                                          |                                     | Present in deep pools                     |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| Cover                                                                       |                                     | Poor-dominant cover in pools and boulders |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |
| Rearing Habitat                                                             |                                     | Poor-high energy cascade boulder complex  |                          |                          |                                     |                                             |                          |                                                                                                                                                                                       |                                                                                                    |                                                                                                                               |                          |                              |        |                               |  |                             |  |                          |  |



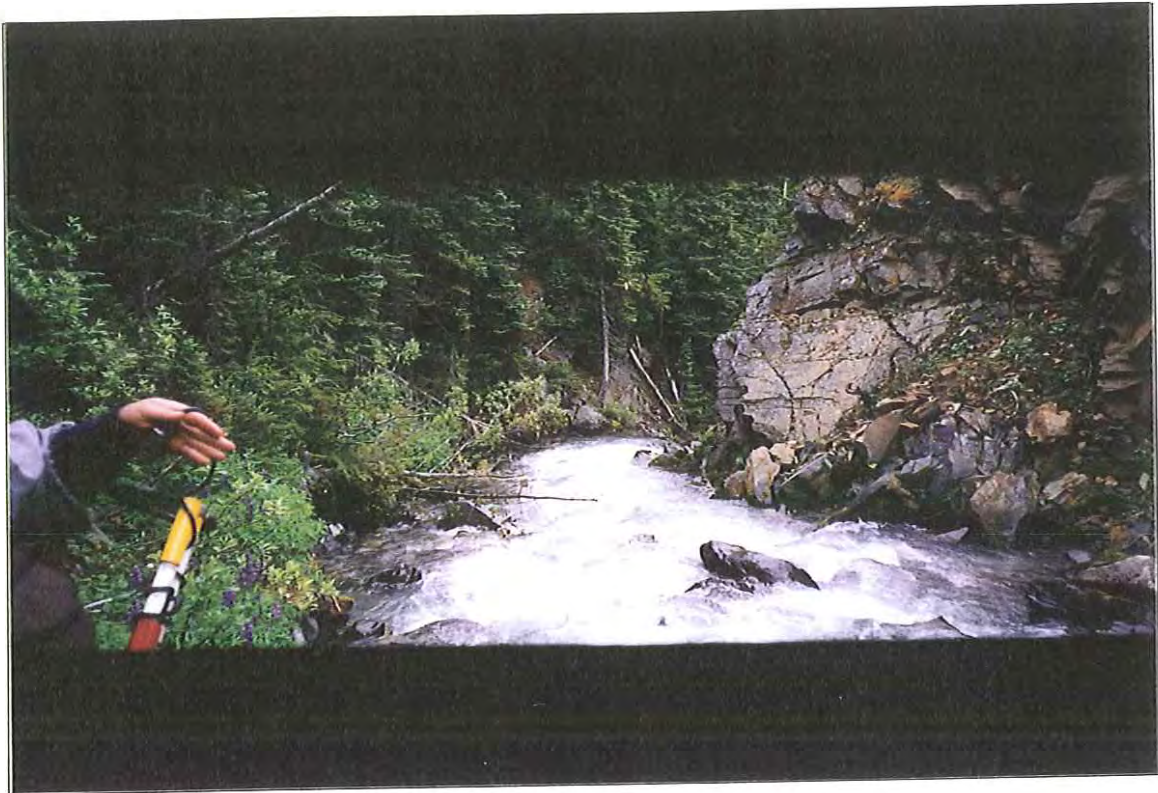


Site #22, Falls barrier approximately 10 m in height (taken from heli).  
Roll #2, Frame #21, Date: 2001/08/07



Site #22, Upstream photo of boulder cascade section.  
Roll #2, Frame #22, Date: 2001/08/07





Site #22, Downstream photo of cascade right above falls.  
Roll #2, Frame #23, Date: 2001/08/07





# FDIS Site Card

## Shelagoyte River Planning Area

Watershed Code: 480-195700-63000-00000-00000-00000-00000-00000-00000-00000

Reach # 1.0 ILP Map # ILP # Site 23

### PROJECT

Project Name: Shelagoyte Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000  
Project Code: 1550

### WATERSHED

Gazetted Name: Local Name: None  
Watershed Code: 480-195700-63000-00000-00000-00000-00000-00000-00000-00000-00000-00000  
ILP Map#: ILP #: NID Map #: 093M.084 NID #: 22023 Reach #: 1.0 Site #: 23  
Field UTM (Z.E.N): 9.606281.6191377 Method: GPU Site Lg: 300 Method: GE Access: H  
GIS UTM (Z.E.N): 9.606289.6191322 Ref. Name:  
Date: 2001/08/07 Time: 12:05 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |            | Gadient % | Mtd | Avg |      |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------------|-----------|-----|-----|------|
| Channel Width (m): | GE  | 6.00  | 8.00  | 6.00  | 7.00  | 6.00  | 7.00  |       |       |       |       | 6.67 | Method I:  | 6.0       | 4.0 | C   | 4.25 |
| Wetted Width (m):  | GE  | 6.00  | 8.00  | 6.00  | 7.00  | 6.00  | 7.00  |       |       |       |       | 6.67 | Method II: | 3.0       | 4.0 | C   |      |
| Pool Depth (m):    | MS  | 0.80  | 0.60  | 0.30  | 0.30  | 0.50  | 0.30  |       |       |       |       | 0.47 |            |           |     |     |      |

Wb Depth: .4 .3 .4 Avg: 0.37 Method: MS Stage: L ☐ M ☐ H ☒ No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                                   | U                                   | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | T                                   | S                                   | T                                   | D                                   | S                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

LWD: F DIST: E

LB SHP: S

Texture: F ☒ G ☐ C ☒ B ☐ R ☐ A ☐

RIP: M

STG: MF

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

RB SHP: S

Texture: F ☒ G ☐ C ☒ B ☐ R ☐ A ☐

RIP: M

STG: MF

### WATER

EMS: Req #: Temp: 5 Method: T4 Cond.: 40 Method: S3  
pH: 7.8 Method: P2 Turb.: T ☐ M ☐ L ☐ C ☒ Method: GE  
Flood Signs: None observed Method: GE

### MORPHOLOGY

Bed Material: Dominant: C Subdom: B O1 B1 B2 B3 D1 D2 D3  
D95: 87.0 D (cm): 19.00 Morph: CP DISTURBANCE INDICATORS  
Pattern: IR C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: N  
Coupling: PC  
Confinement: OC  
FSZ: ☐ Bars: N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### FEATURES

| NID Map  | NID   | Type | Hgt  | Method | Lg | Method | Photo            | AirPhoto | UTM (Z/E/N)      | Method |
|----------|-------|------|------|--------|----|--------|------------------|----------|------------------|--------|
| 093M.084 | 88036 | C    | 40.0 | GE     | 40 | GE     | R: 2 F: 24 L: #: |          | 9.606691.6191142 | GIS    |

Comments: Cascades upstream of mouth

### HABITAT QUALITY

| Name               | Comments                                                                                                |
|--------------------|---------------------------------------------------------------------------------------------------------|
| OverWinter Habitat | Present in surveyed section                                                                             |
| Cover              | Moderate-pools and cobble with overstream vegetation                                                    |
| Rearing Habitat    | Moderate-cobble boulder cascade complex. Juveniles may have access problems in high water (high energy) |

# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-63000-00000-0000-0000-000-000-000-000-000

Reach # 1.0 ILP Map # ILP # Site 23

| HABITAT QUALITY                                                           |   |        |    |                                                      |   |
|---------------------------------------------------------------------------|---|--------|----|------------------------------------------------------|---|
| Name                                                                      |   |        |    | Comments                                             |   |
| Spawning Habitat                                                          |   |        |    | Poor-small gravel pockets but mostly cobble          |   |
| PHOTOS                                                                    |   |        |    |                                                      |   |
| Photo                                                                     |   | Foc Lg |    | Dir                                                  |   |
| R:                                                                        | 2 | F:     | 24 | STD                                                  | U |
| Cascade section 40 m by 40 m (photo from helicopter)                      |   |        |    |                                                      |   |
| R:                                                                        | 2 | F:     | 25 | STD                                                  | U |
| Upstream photo of cascade boulder section with some overstream vegetation |   |        |    |                                                      |   |
| COMMENTS                                                                  |   |        |    |                                                      |   |
| Section                                                                   |   |        |    | Comments                                             |   |
| CHANNEL                                                                   |   |        |    | Cascades at mouth prevents fish access to this reach |   |
| CHANNEL                                                                   |   |        |    | S5 Stream                                            |   |



# FDIS Fish Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-63000-00000-0000-0000-000-000-000-000

Reach # 1.0  
ILP Map #  
ILP #

| WATERBODY                                                   |          |       |                          |         |                |                |                |                 |              |              |               |     |                                    |
|-------------------------------------------------------------|----------|-------|--------------------------|---------|----------------|----------------|----------------|-----------------|--------------|--------------|---------------|-----|------------------------------------|
| Gazetted Name:                                              |          |       |                          |         |                |                |                |                 |              | Local: None  |               |     |                                    |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-0 |          |       |                          |         |                |                |                |                 |              |              |               |     |                                    |
| WS Code: 480-195700-63000-00000-0000-0000-000-000-000-000   |          |       |                          |         |                |                |                |                 |              |              |               |     |                                    |
| Waterbody ID:                                               |          |       |                          |         | ILP Map #:     |                |                | ILP #:          |              | Reach #: 1 - |               |     |                                    |
| Project ID: 1550                                            |          |       |                          |         | Lake/Stream: S |                |                | Lake From Date: |              |              |               |     |                                    |
| Fish Permit #: 145084K                                      |          |       | Date: 2001/08/07         |         |                | To: 2001/08/07 |                |                 | Agency: C172 |              | Crew: JD/EL   |     | Resample: <input type="checkbox"/> |
| SITE / METHOD                                               |          |       |                          |         |                |                |                |                 |              |              |               |     |                                    |
| Site#                                                       | NID Map  | NID # | UTM:Zone/East/North/Mthd |         |                | MTD/NO         | Temp           | Cond            | Turbid       | Comment      |               |     |                                    |
| 23                                                          | 093M.084 | 22023 |                          |         |                | GPU EF 1       | 5              | 40              | C            |              |               |     |                                    |
| A. GEAR SETTINGS                                            |          |       |                          |         |                |                |                |                 |              |              |               |     |                                    |
| Site#                                                       | MTD/NO   | H/P   | Date In                  | Time In | Date Out       | Time Out       | Comment        |                 |              |              |               |     |                                    |
| 23                                                          | EF       | 1     | 2001/08/07               | 12:05   | 2001/08/07     | 12:45          |                |                 |              |              |               |     |                                    |
| C. ELECTROFISHER SPECIFICATIONS                             |          |       |                          |         |                |                |                |                 |              |              |               |     |                                    |
| Site#                                                       | MTD/NO   | H/P   | Encl                     | Sec     | Length         | Width          | Voltage        | Frequency       | Pulse        | Make         | Model         |     |                                    |
| 23                                                          | EF       | 1     | 1                        | O       | 391            | 300.0          | 3.0            | 900             | 70           | 6            | SMITH<br>ROOT | 12B |                                    |
| FISH SUMMARY                                                |          |       |                          |         |                |                |                |                 |              |              |               |     |                                    |
| Site#                                                       | MTD/NO   | H/P   | Species                  | Stage   | Age            | Total #        | Lgth (Min/Max) | FishAct         | Comment      |              |               |     |                                    |
| 23                                                          | EF       | 1     | 1                        | NFC     |                | 0              |                |                 |              |              |               |     |                                    |



Site #23, Cascade section 40 m by 40 m (photo from helicopter).  
Roll #2, Frame #24, Date: 2001/08/07



Site #23, Upstream photo of cascade boulder section with some overstream vegetation.  
Roll #2, Frame #25, Date: 2001/08/07







# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-63000-00000-00000-00000-00000-00000-000

Reach # 4.0 ILP Map # ILP # Site 24

### PROJECT

Project Name: Shelagyote Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-00000-00000-00000-00000-000  
Project Code: 1550

### WATERSHED

Gazetted Name: Watershed Code: 480-195700-63000-00000-00000-00000-00000-00000-000  
ILP Map #: ILP #: NID Map #: 093M.084 NID #: 22024 Reach #: 4.0 Site #: 24  
Field UTM (Z.E.N): 9.603977.6194080 Method: GPU Site Lg: 300 Method: GE Access: H  
GIS UTM (Z.E.N): 9.604029.6194079 Ref. Name:  
Date: 2001/08/07 Time: 13:15 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |           |     |     |   |      |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|-----|-----|---|------|
| Channel Width (m): | GE  | 6.50  | 6.00  | 6.00  | 7.00  | 5.00  | 6.00  |       |       |       |       | 6.08 | Method I: | 6.0 | 5.0 | C | 5.00 |
| Wetted Width (m):  | GE  | 6.50  | 6.00  | 6.00  | 7.00  | 5.00  | 6.00  |       |       |       |       | 6.08 |           | 5.0 | 4.0 | C |      |
| Pool Depth (m):    | MS  | 0.30  | 0.40  | 0.20  | 0.30  | 0.60  | 0.30  |       |       |       |       | 0.35 |           |     |     |   |      |

Wb Depth: .3 .3 .3 Avg: 0.30 Method: MS Stage: L ☐ M ☐ H ☒ No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                      | B                                   | U                                   | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | N                        | D                                   | T                                   | T                                   | S                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

LWD: N DIST: NS

LB SHP: S

Texture: F ☐ G ☐ C ☒ B ☒ R ☐ A ☐

RIP: M

STG: MF

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☐ A ☐ M ☒ V ☐

RB SHP: S

Texture: F ☐ G ☐ C ☒ B ☒ R ☐ A ☐

RIP: M

STG: MF

### WATER

EMS: Temp: 5 Method: T4 Req #: Cond.: 40 Method: S3  
pH: 7.9 Method: P2 Method: GE  
Flood Signs: None observed Method: GE  
Turb.: T ☐ M ☐ L ☒ C ☐

### MORPHOLOGY

Bed Material: Dominant: C Subdom: B O1 B1 B2 B3 D1 D2 D3  
D95: 61.0 D (cm): 17.00 Morph: CP DISTURBANCE INDICATORS  
Pattern: SI C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: N  
Coupling: CO  
Confinement: OC  
FSZ: ☐ Bars: N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                                   |
|--------------------|------------------------------------------------------------|
| OverWinter Habitat | Present in one pool in survey section                      |
| Cover              | Moderate-cascade pools and boulder cover                   |
| Rearing Habitat    | Moderate-high energy stream limits juveniles in high water |
| Spawning Habitat   | None-no gravel pockets in site                             |

### PHOTOS

| Photo     | Foc Lg | Dir | Comments                                                   |
|-----------|--------|-----|------------------------------------------------------------|
| R: 3 F: 1 | STD    | U   | Upstream photo of cascade boulder section                  |
| R: 3 F: 2 | STD    | D   | Downstream photo of cascade run with overstream vegetation |



## FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-63000-00000-0000-0000-000-000-000-000-000

Reach #

ILP Map #

ILP #

Site

4.0

24

## COMMENTS

| COMMENTS |           |
|----------|-----------|
| Section  | Comments  |
| CHANNEL  | S5 Stream |

# FDIS Fish Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-63000-00000-0000-0000-000-000-000-000

Reach # 4.0  
ILP Map #  
ILP #

### WATERBODY

Gazetted Name: Local: None  
Project Code: 480-000000-00000-00000-0000-0000-000-000-000-0  
WS Code: 480-195700-63000-00000-0000-0000-000-000-000-000-000  
Waterbody ID: ILP Map #: ILP #: Reach #: 4 -  
Project ID: 1550 Lake/Stream: S Lake From Date:

Fish Permit #: 145084K Date: 2001/08/07 To: 2001/08/07 Agency: C172 Crew: JD/EL Resample: ☐

### SITE / METHOD

| Site# | NID Map  | NID # | UTM:Zone/East/North/Mthd | MTD/NO   | Temp | Cond | Turbid | Comment |
|-------|----------|-------|--------------------------|----------|------|------|--------|---------|
| 24    | 093M.084 | 22024 |                          | GPU EF 1 | 5    | 40   | L      |         |

### A. GEAR SETTINGS

| Site# | MTD/NO | H/P | Date In    | Time In | Date Out   | Time Out | Comment |
|-------|--------|-----|------------|---------|------------|----------|---------|
| 24    | EF 1   | 1   | 2001/08/07 | 13:15   | 2001/08/07 | 13:40    |         |

### C. ELECTROFISHER SPECIFICATIONS

| Site# | MTD/NO | H/P | Encl | Sec | Length | Width | Voltage | Frequency | Pulse | Make | Model          |
|-------|--------|-----|------|-----|--------|-------|---------|-----------|-------|------|----------------|
| 24    | EF     | 1   | 1    | O   | 316    | 300.0 | 5.0     | 900       | 60    | 6    | SMITH ROOT 12B |

### FISH SUMMARY

| Site# | MTD/NO | H/P | Species | Stage | Age | Total # | Lgth (Min/Max) | FishAct | Comment |
|-------|--------|-----|---------|-------|-----|---------|----------------|---------|---------|
| 24    | EF     | 1   | 1       | NFC   |     | 0       |                |         |         |





Site #24, Upstream photo of cascade boulder section.  
Roll #3, Frame #1, Date: 2001/08/07



Site #24, Downstream photo of cascade run with overstream vegetation.  
Roll #3, Frame #2, Date: 2001/08/07



## Shelagyote River Planning Area

| Reach # | ILP Map # | ILP # |
|---------|-----------|-------|
| 4.0     | 093M.084  | 11108 |

## STREAM REFERENCING

ILP #: 11108

## REACH

Bars: None ☒ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: None/natural

SITE

Agency Name: Triton Environmental Consultants (Terrace)

CHANNEL

Moderate ☐ Clear ☒

## MORPHOLOGY

[illegible]

## COVER

Left Bank: Rip.Veg: Stage: Mature forest Instream Veg: None ☐ Algae ☐ Moss ☒ Vascular ☐

| FISH |     |
|------|-----|
| 1    | 1   |
| 2    | 2   |
| 3    | 3   |
| 4    | 4   |
| 5    | 5   |
| 6    | 6   |
| 7    | 7   |
| 8    | 8   |
| 9    | 9   |
| 10   | 10  |
| 11   | 11  |
| 12   | 12  |
| 13   | 13  |
| 14   | 14  |
| 15   | 15  |
| 16   | 16  |
| 17   | 17  |
| 18   | 18  |
| 19   | 19  |
| 20   | 20  |
| 21   | 21  |
| 22   | 22  |
| 23   | 23  |
| 24   | 24  |
| 25   | 25  |
| 26   | 26  |
| 27   | 27  |
| 28   | 28  |
| 29   | 29  |
| 30   | 30  |
| 31   | 31  |
| 32   | 32  |
| 33   | 33  |
| 34   | 34  |
| 35   | 35  |
| 36   | 36  |
| 37   | 37  |
| 38   | 38  |
| 39   | 39  |
| 40   | 40  |
| 41   | 41  |
| 42   | 42  |
| 43   | 43  |
| 44   | 44  |
| 45   | 45  |
| 46   | 46  |
| 47   | 47  |
| 48   | 48  |
| 49   | 49  |
| 50   | 50  |
| 51   | 51  |
| 52   | 52  |
| 53   | 53  |
| 54   | 54  |
| 55   | 55  |
| 56   | 56  |
| 57   | 57  |
| 58   | 58  |
| 59   | 59  |
| 60   | 60  |
| 61   | 61  |
| 62   | 62  |
| 63   | 63  |
| 64   | 64  |
| 65   | 65  |
| 66   | 66  |
| 67   | 67  |
| 68   | 68  |
| 69   | 69  |
| 70   | 70  |
| 71   | 71  |
| 72   | 72  |
| 73   | 73  |
| 74   | 74  |
| 75   | 75  |
| 76   | 76  |
| 77   | 77  |
| 78   | 78  |
| 79   | 79  |
| 80   | 80  |
| 81   | 81  |
| 82   | 82  |
| 83   | 83  |
| 84   | 84  |
| 85   | 85  |
| 86   | 86  |
| 87   | 87  |
| 88   | 88  |
| 89   | 89  |
| 90   | 90  |
| 91   | 91  |
| 92   | 92  |
| 93   | 93  |
| 94   | 94  |
| 95   | 95  |
| 96   | 96  |
| 97   | 97  |
| 98   | 98  |
| 99   | 99  |
| 100  | 100 |

| Site Number | Capture Method | Number of Events | Length fished (m) | Total Time | Voltage | Species | Total Fish | Minimum Length (mm) | Maximum Length (mm) |
|-------------|----------------|------------------|-------------------|------------|---------|---------|------------|---------------------|---------------------|
| 25          | EF             | 1                | 200               | 201 sec    | 500     | NFC     | 0          |                     |                     |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 000-000000-00000-00000-0000-0000-0000-000-000-000-000-000

Reach # 4.0 ILP Map # 093M.084 ILP # 11108 Site 25

### PROJECT

Project Name: Shelagyote Inventory  
Stream Name (gaz.): BABINE RIVER Project Code: 1550  
Project Watershed Code: 480-000000-00000-00000-0000-0000-0000-000-000-000-000-000

### WATERSHED

Gazetted Name: Local Name: None  
Watershed Code: 000-000000-00000-00000-0000-0000-0000-000-000-000-000-000  
ILP Map#: 093M.084 ILP #: 11108 NID Map #: 093M.084 NID #: 22025 Reach #: 4.0 Site #: 25  
Field UTM (Z.E.N): .. Method: Site Lg: 200 Method: GE Access: H  
GIS UTM (Z.E.N): 9.605939.6194608 Ref. Name:  
Date: 2001/08/07 Time: 13:50 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    |     |       |       |       |       |       |       |       |       |       |       |      |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |
| Channel Width (m): | MS  | 0.80  | 1.20  | 0.70  | 0.80  | 0.70  | 0.60  |       |       |       |       | 0.80 |
| Wetted Width (m):  | MS  | 0.70  | 1.00  | 0.60  | 0.80  | 0.60  | 0.60  |       |       |       |       | 0.72 |
| Pool Depth (m):    | MS  | 0.10  | 0.10  | 0.10  | 0.10  | 0.10  | 0.10  |       |       |       |       | 0.10 |

|            |           |     |     |      |
|------------|-----------|-----|-----|------|
|            | Gadient % |     | Mtd | Avg  |
| Method I:  | 28.0      | 4.0 | C   | 9.00 |
| Method II: | 2.0       | 2.0 | C   |      |

Wb Depth: .2 .2 .2 Avg: 0.20 Method: MS Stage: L ☐ M ☒ H ☐

No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                                   | U                                   | DP                       | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|
| Amount:     | S                                   | T                                   | T                                   | T                                   | N                        | D                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

CROWN CLOSURE  
2 21-40%

INSTREAM VEG: N ☐ A ☐ M ☒ V ☐

LWD: F DIST: E

LB SHP: S

Texture: F ☒ G ☐ C ☒ B ☐ R ☐ A ☐

RIP: M

STG: MF

RB SHP: S

Texture: F ☒ G ☐ C ☒ B ☐ R ☐ A ☐

RIP: M

STG: MF

### WATER

EMS: Temp: 7 Method: T4 Req #: Cond.: 100 Method: S3  
pH: 7.8 Method: P2 Turb.: T ☐ M ☐ L ☐ C ☒ Method: GE  
Flood Signs: None Method: GE

### MORPHOLOGY

Bed Material: Dominant: G Subdom: F O1 B1 B2 B3 D1 D2 D3  
D95: 12.0 D (cm): 1.00 Morph: CP DISTURBANCE INDICATORS  
Pattern: SI C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: N  
Coupling: PC  
Confinement: CO  
FSZ: ☐ Bars: N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                                                     |
|--------------------|------------------------------------------------------------------------------|
| OverWinter Habitat | None                                                                         |
| Cover              | Poor-just overstream vegetation                                              |
| Rearing Habitat    | Poor-subject to drying during low flows (moss on rocks in center of channel) |
| Spawning Habitat   | Poor-gravel but very low flows                                               |

### PHOTOS

| Photo     | Foc Lg | Dir | Comments                                                          |
|-----------|--------|-----|-------------------------------------------------------------------|
| R: 3 F: 3 | STD    | U   | Upstream photo of small stream little flow with gravel substrates |
| R: 3 F: 4 | STD    | D   | Downstream photo of stream with overstream vegetation             |

# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000

|         |           |       |      |
|---------|-----------|-------|------|
| Reach # | ILP Map # | ILP # | Site |
| 4.0     | 093M.084  | 11108 | 25   |

| COMMENTS |                                                                                                                                                                   |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Section  | Comments                                                                                                                                                          |
| CHANNEL  | No fish caught                                                                                                                                                    |
| CHANNEL  | The 28% section in card was a 75% section that is a barrier to fish. Last 60 m of Reach 5 is 25% in gradient. Beginning of Reach 1 ILP 11113 was 38% in gradient. |



# FDIS Fish Card

## Shelagyote River Planning Area

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000

Reach # 4.0 ILP Map # 093M.084 ILP # 11108

| WATERBODY                                                        |          |       |                          |                     |            |                |                |                 |              |              |               |     |                                    |
|------------------------------------------------------------------|----------|-------|--------------------------|---------------------|------------|----------------|----------------|-----------------|--------------|--------------|---------------|-----|------------------------------------|
| Gazetted Name:                                                   |          |       |                          |                     |            |                |                |                 |              | Local: None  |               |     |                                    |
| Project Code: 480-000000-00000-00000-0000-0000-000-000-000-000-0 |          |       |                          |                     |            |                |                |                 |              |              |               |     |                                    |
| WS Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000    |          |       |                          |                     |            |                |                |                 |              |              |               |     |                                    |
| Waterbody ID:                                                    |          |       |                          | ILP Map #: 093M.084 |            |                |                | ILP #: 11108    |              | Reach #: 4 - |               |     |                                    |
| Project ID: 1550                                                 |          |       |                          | Lake/Stream: S      |            |                |                | Lake From Date: |              |              |               |     |                                    |
| Fish Permit #: 145084K                                           |          |       | Date: 2001/08/07         |                     |            | To: 2001/08/07 |                |                 | Agency: C172 |              | Crew: JD/EL   |     | Resample: <input type="checkbox"/> |
| SITE / METHOD                                                    |          |       |                          |                     |            |                |                |                 |              |              |               |     |                                    |
| Site#                                                            | NID Map  | NID # | UTM:Zone/East/North/Mthd |                     |            | MTD/NO         | Temp           | Cond            | Turbid       | Comment      |               |     |                                    |
| 25                                                               | 093M.084 | 22025 |                          |                     |            | GPU EF 1       | 7              | 100             | C            |              |               |     |                                    |
| A. GEAR SETTINGS                                                 |          |       |                          |                     |            |                |                |                 |              |              |               |     |                                    |
| Site#                                                            | MTD/NO   | H/P   | Date In                  | Time In             | Date Out   | Time Out       | Comment        |                 |              |              |               |     |                                    |
| 25                                                               | EF       | 1     | 2001/08/07               | 13:50               | 2001/08/07 | 14:25          |                |                 |              |              |               |     |                                    |
| C. ELECTROFISHER SPECIFICATIONS                                  |          |       |                          |                     |            |                |                |                 |              |              |               |     |                                    |
| Site#                                                            | MTD/NO   | H/P   | Encl                     | Sec                 | Length     | Width          | Voltage        | Frequency       | Pulse        | Make         | Model         |     |                                    |
| 25                                                               | EF       | 1     | 1                        | O                   | 201        | 200.0          | 1.0            | 500             | 60           | 6            | SMITH<br>ROOT | 12B |                                    |
| FISH SUMMARY                                                     |          |       |                          |                     |            |                |                |                 |              |              |               |     |                                    |
| Site#                                                            | MTD/NO   | H/P   | Species                  | Stage               | Age        | Total #        | Lgth (Min/Max) | FishAct         | Comment      |              |               |     |                                    |
| 25                                                               | EF       | 1     | 1                        | NFC                 |            | 0              |                |                 |              |              |               |     |                                    |





Site #25, Upstream photo of small stream little flow with gravel substrates.  
Roll #3, Frame #3, Date: 2001/08/07



Site #25, Downstream photo of stream with overstream vegetation.  
Roll #3, Frame #4, Date: 2001/08/07



# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000

Reach # ILP Map # ILP #

8.0

| STREAM REFERENCING                                                                                                                                                                                                                     |                |                                                      |                   |                                                         |             |                                                 |            |                                             |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------|-------------------|---------------------------------------------------------|-------------|-------------------------------------------------|------------|---------------------------------------------|---------------------|
| Gazetted Name: SHELAGYOTE RIVER                                                                                                                                                                                                        |                |                                                      |                   |                                                         | Local Name: |                                                 |            |                                             |                     |
| Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000                                                                                                                                                                    |                |                                                      |                   |                                                         | ILP Map #:  |                                                 | ILP #:     |                                             |                     |
| REACH                                                                                                                                                                                                                                  |                |                                                      |                   |                                                         |             |                                                 |            |                                             |                     |
| Reach #: 8.0                                                                                                                                                                                                                           |                | UTM (Zone/East/North): 9.600799.6198503              |                   |                                                         |             | Sample Type: Random                             |            |                                             |                     |
| Length (km): 3.23                                                                                                                                                                                                                      |                | Coupling: Partially Couple                           |                   | Magnitude: 48                                           |             | BGC Zone: SBS                                   |            |                                             |                     |
| Gradient (%): 3.8                                                                                                                                                                                                                      |                | Confinement: Frequently Confin                       |                   | Order: 3                                                |             | Open water: Present                             |            |                                             |                     |
| US Elev (m): 1104                                                                                                                                                                                                                      |                | Islands: NONE                                        |                   | Riparian Vegetation: Coniferous                         |             |                                                 |            |                                             |                     |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                |                                                      |                   |                                                         |             |                                                 |            |                                             |                     |
| SITE                                                                                                                                                                                                                                   |                |                                                      |                   |                                                         |             |                                                 |            |                                             |                     |
| Site #: 26                                                                                                                                                                                                                             |                | Field UTM 9.602213.6197585                           |                   | Agency: C172                                            |             | Crew: JD/EL                                     |            | Date: 2001/08/07                            |                     |
| Site Length (m): 250                                                                                                                                                                                                                   |                | GIS UTM 9.602124.6197600                             |                   | Agency Name: Triton Environmental Consultants (Terrace) |             |                                                 |            |                                             |                     |
| CHANNEL                                                                                                                                                                                                                                |                |                                                      |                   |                                                         |             |                                                 |            |                                             |                     |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |                | Intermittent: <input type="checkbox"/>               |                   | Avg                                                     |             | Min                                             |            | Max                                         |                     |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |                | Tribes.: <input type="checkbox"/>                    |                   | #                                                       |             | Avg                                             |            | Min                                         |                     |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |                | Channel Width (m): 22.67                             |                   | 21                                                      |             | 25                                              |            | 6                                           |                     |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |                | Wetted Width (m): 13.17                              |                   | 10                                                      |             | 15                                              |            | 6                                           |                     |
| High <input type="checkbox"/>                                                                                                                                                                                                          |                | Bankfull Depth (m): 0.47                             |                   | 0.4                                                     |             | 0.5                                             |            | 3                                           |                     |
| Temp (C): 5                                                                                                                                                                                                                            |                | pH: 7.9                                              |                   | Conductivity: 40                                        |             | Turbidity: Turbid <input type="checkbox"/>      |            | Low <input checked="" type="checkbox"/>     |                     |
|                                                                                                                                                                                                                                        |                |                                                      |                   |                                                         |             | Moderate <input type="checkbox"/>               |            | Clear <input type="checkbox"/>              |                     |
| MORPHOLOGY                                                                                                                                                                                                                             |                |                                                      |                   |                                                         |             |                                                 |            |                                             |                     |
| Bed Material: Dominant: Cobble                                                                                                                                                                                                         |                | D95 (cm): 68.00                                      |                   | Bars: Non <input type="checkbox"/>                      |             | Side <input checked="" type="checkbox"/>        |            | Diagonal <input type="checkbox"/>           |                     |
| Subdominant: Boulders                                                                                                                                                                                                                  |                | D (cm): 12.00                                        |                   |                                                         |             | Mid-channel <input checked="" type="checkbox"/> |            | Span <input checked="" type="checkbox"/>    |                     |
| Channel Pattern: Sinuous                                                                                                                                                                                                               |                | Islands: Irregular                                   |                   | DISTURBANCE INDICATORS                                  |             | O1                                              |            | B1                                          |                     |
| Coupling: Coupled                                                                                                                                                                                                                      |                |                                                      |                   |                                                         |             | B2                                              |            | B3                                          |                     |
| Confinement: Occasionally Confine                                                                                                                                                                                                      |                |                                                      |                   |                                                         |             | D1                                              |            | D2                                          |                     |
| Morphology: CP Cascade Pool                                                                                                                                                                                                            |                |                                                      |                   |                                                         |             | D3                                              |            |                                             |                     |
|                                                                                                                                                                                                                                        |                |                                                      |                   |                                                         |             | C1                                              |            | C2                                          |                     |
|                                                                                                                                                                                                                                        |                |                                                      |                   |                                                         |             | C3                                              |            | C4                                          |                     |
|                                                                                                                                                                                                                                        |                |                                                      |                   |                                                         |             | C5                                              |            | S1                                          |                     |
|                                                                                                                                                                                                                                        |                |                                                      |                   |                                                         |             | S2                                              |            | S3                                          |                     |
|                                                                                                                                                                                                                                        |                |                                                      |                   |                                                         |             | S4                                              |            | S5                                          |                     |
| COVER                                                                                                                                                                                                                                  |                |                                                      |                   |                                                         |             |                                                 |            |                                             |                     |
| Total Cover: Abundant                                                                                                                                                                                                                  |                | Type: SWD                                            |                   | LWD                                                     |             | B                                               |            | U                                           |                     |
| LWD: Few                                                                                                                                                                                                                               |                | Amount: T                                            |                   | D                                                       |             | D                                               |            | T                                           |                     |
| LWD Dist: Evenly Distributed                                                                                                                                                                                                           |                | Location: P/S/O: <input checked="" type="checkbox"/> |                   | <input checked="" type="checkbox"/>                     |             | <input checked="" type="checkbox"/>             |            | <input checked="" type="checkbox"/>         |                     |
|                                                                                                                                                                                                                                        |                | <input checked="" type="checkbox"/>                  |                   | <input checked="" type="checkbox"/>                     |             | <input checked="" type="checkbox"/>             |            | <input checked="" type="checkbox"/>         |                     |
| Right Bank: Shape: Sloping (g)                                                                                                                                                                                                         |                | Texture: Fines <input type="checkbox"/>              |                   | Gravel <input type="checkbox"/>                         |             | Cobble <input checked="" type="checkbox"/>      |            | Boulder <input checked="" type="checkbox"/> |                     |
| Left Bank: Shape: Sloping (g)                                                                                                                                                                                                          |                | Texture: Fines <input type="checkbox"/>              |                   | Gravel <input type="checkbox"/>                         |             | Cobble <input checked="" type="checkbox"/>      |            | Boulder <input checked="" type="checkbox"/> |                     |
| Right Bank: Rip.Veg: Mixed C/D                                                                                                                                                                                                         |                | Stage: Mature forest                                 |                   | Instream Veg: None <input checked="" type="checkbox"/>  |             | Algae <input type="checkbox"/>                  |            | Moss <input type="checkbox"/>               |                     |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |                | Stage: Mature forest                                 |                   |                                                         |             | Vascular <input type="checkbox"/>               |            |                                             |                     |
| FISH                                                                                                                                                                                                                                   |                |                                                      |                   |                                                         |             |                                                 |            |                                             |                     |
| Site Number                                                                                                                                                                                                                            | Capture Method | Number of Events                                     | Length fished (m) | Total Time                                              | Voltage     | Species                                         | Total Fish | Minimum Length (mm)                         | Maximum Length (mm) |
| 26                                                                                                                                                                                                                                     | EF             | 1                                                    | 250               | 821 sec                                                 | 900         | DV                                              | 1          | 75                                          | 75                  |



# FDIS Site Card

## Shelagyte River Planning Area

Watershed Code: 480-195700-00000-00000-0000-0000-0000-0000-0000-0000-0000-0000

Reach # 8.0 ILP Map # ILP # Site 26

### PROJECT

Project Name: Shelagyte Inventory  
Stream Name (gaz.): BABINE RIVER Project Code: 1550  
Project Watershed Code: 480-000000-00000-00000-0000-0000-0000-0000-0000-0000-0000-0000

### WATERSHED

Gazetted Name: SHELAGYTE RIVER Local Name: Shelagyte River  
Watershed Code: 480-195700-00000-00000-0000-0000-0000-0000-0000-0000-0000-0000  
ILP Map#: ILP #: NID Map #: 093M.094 NID #: 22026 Reach #: 8.0 Site #: 26  
Field UTM (Z.E.N): 9.602213.6197585 Method: GPU Site Lg: 250 Method: GE Access: H  
GIS UTM (Z.E.N): 9.602124.6197600 Ref. Name:  
Date: 2001/08/07 Time: 14:40 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg   |            | Gadient % | Mtd | Avg |      |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|-----------|-----|-----|------|
| Channel Width (m): | GE  | 25.00 | 21.00 | 22.00 | 25.00 | 22.00 | 21.00 |       |       |       |       | 22.67 | Method I:  | 5.0       | 3.0 | C   | 4.50 |
| Wetted Width (m):  | MS  | 15.00 | 13.00 | 14.00 | 15.00 | 10.00 | 12.00 |       |       |       |       | 13.17 | Method II: | 5.0       | 5.0 | C   |      |
| Pool Depth (m):    | MS  | 0.50  | 0.30  | 0.70  | 0.30  | 0.50  | 0.40  |       |       |       |       | 0.45  |            |           |     |     |      |

Wb Depth: .5 .4 .5 Avg: 0.47 Method: MS Stage: L ☐ M ☒ H ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                                   | U                                   | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | D                                   | D                                   | T                                   | S                                   | T                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

LWD: F DIST: E

LB SHP: S

Texture: F ☐ G ☐ C ☒ B ☒ R ☐ A ☐

RIP: M

STG: MF

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

RB SHP: S

Texture: F ☐ G ☐ C ☒ B ☒ R ☐ A ☐

RIP: M

STG: MF

### WATER

EMS: Temp: 5 Method: T4 Req #: Cond.: 40 Method: S3  
pH: 7.9 Method: P2 Turb.: T ☐ M ☐ L ☒ C ☐ Method: GE  
Flood Signs: None observed Method: GE

### MORPHOLOGY

Bed Material: Dominant: C Subdom: B O1 B1 B2 B3 D1 D2 D3  
D95: 68.0 D (cm): 12.00 Morph: CP DISTURBANCE INDICATORS  
Pattern: SI C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: I  
Coupling: CO  
Confinement: OC  
FSZ: ☐ Bars: N ☐ SIDE ☒ DIAG ☐ MID ☒ SPAN ☒ BR ☐

### HABITAT QUALITY

| Name               | Comments                                                                           |
|--------------------|------------------------------------------------------------------------------------|
| OverWinter Habitat | Present in deep pools                                                              |
| Cover              | Good-cobble/boulder in primary channel with more LWD complexes in side channels    |
| Rearing Habitat    | Good-good cascade boulder/cobble complex with side channels with slow moving water |
| Spawning Habitat   | Poor-some spawning gravel in side channels not in primary channel                  |

### PHOTOS

| Photo           | Foc Lg | Dir | Comments                                                                           |
|-----------------|--------|-----|------------------------------------------------------------------------------------|
| R: 3 F: 5 STD U |        |     | Upstream photo of boulder cascade section with side cobble bar                     |
| R: 3 F: 6 STD D |        |     | Downstream photo of cascade run in main channel and riffle section in side channel |



# FDIS Site Card

Shelagyote River Planning Area

Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000

|         |           |       |      |
|---------|-----------|-------|------|
| Reach # | ILP Map # | ILP # | Site |
| 8.0     |           |       | 26   |

| COMMENTS |                                                    |
|----------|----------------------------------------------------|
| Section  | Comments                                           |
| CHANNEL  | One DV captured with 821 seconds of Electrofishing |

# FDIS Fish Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000

Reach # 8.0  
ILP Map #  
ILP #

| WATERBODY                                                       |          |         |                          |                  |          |                |                |               |         |                         |               |                                    |         |              |  |
|-----------------------------------------------------------------|----------|---------|--------------------------|------------------|----------|----------------|----------------|---------------|---------|-------------------------|---------------|------------------------------------|---------|--------------|--|
| Gazetted Name: SHELAGYOTE RIVER                                 |          |         |                          |                  |          |                |                |               |         | Local: Shelagyote River |               |                                    |         |              |  |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-000-0 |          |         |                          |                  |          |                |                |               |         |                         |               |                                    |         |              |  |
| WS Code: 480-195700-00000-00000-0000-000-000-000-000-000-000    |          |         |                          |                  |          |                |                |               |         |                         |               |                                    |         |              |  |
| Waterbody ID:                                                   |          |         |                          |                  |          |                |                |               |         | ILP Map #:              |               | ILP #:                             |         | Reach #: 8 - |  |
| Project ID: 1550                                                |          |         |                          |                  |          |                |                |               |         | Lake/Stream: S          |               | Lake From Date:                    |         |              |  |
| Fish Permit #:                                                  |          | 145084K |                          | Date: 2001/08/07 |          | To: 2001/08/07 |                | Agency: C172  |         | Crew: JD/EL             |               | Resample: <input type="checkbox"/> |         |              |  |
| SITE / METHOD                                                   |          |         |                          |                  |          |                |                |               |         |                         |               |                                    |         |              |  |
| Site#                                                           | NID Map  | NID #   | UTM:Zone/East/North/Mthd |                  |          | MTD/NO         | Temp           | Cond          | Turbid  | Comment                 |               |                                    |         |              |  |
| 26                                                              | 093M.094 | 22026   |                          |                  |          | GPU EF 1       | 5              | 40            | L       |                         |               |                                    |         |              |  |
| A. GEAR SETTINGS                                                |          |         |                          |                  |          |                |                |               |         |                         |               |                                    |         |              |  |
| Site#                                                           | MTD/NO   | H/P     | Date In                  | Time In          | Date Out | Time Out       | Comment        |               |         |                         |               |                                    |         |              |  |
| 26                                                              | EF       | 1       | 1                        | 2001/08/07       | 14:40    | 2001/08/07     | 15:10          |               |         |                         |               |                                    |         |              |  |
| C. ELECTROFISHER SPECIFICATIONS                                 |          |         |                          |                  |          |                |                |               |         |                         |               |                                    |         |              |  |
| Site#                                                           | MTD/NO   | H/P     | Encl                     | Sec              | Length   | Width          | Voltage        | Frequency     | Pulse   | Make                    | Model         |                                    |         |              |  |
| 26                                                              | EF       | 1       | 1                        | O                | 821      | 250.0          | 10.0           | 900           | 70      | 6                       | SMITH<br>ROOT | 12B                                |         |              |  |
| FISH SUMMARY                                                    |          |         |                          |                  |          |                |                |               |         |                         |               |                                    |         |              |  |
| Site#                                                           | MTD/NO   | H/P     | Species                  | Stage            | Age      | Total #        | Lgth (Min/Max) | FishAct       | Comment |                         |               |                                    |         |              |  |
| 26                                                              | EF       | 1       | 1                        | DV               | J        | 1              | 75 75          | R             |         |                         |               |                                    |         |              |  |
| INDIVIDUAL FISH DATA                                            |          |         |                          |                  |          |                |                |               |         |                         |               |                                    |         |              |  |
| Site#                                                           | MTD/NO   | H/P     | Species                  | Length           | Weight   | Sex            | Mat            | Age           | Vch#    | Genetic                 | Roll #        | Frame#                             | Comment |              |  |
|                                                                 |          |         |                          |                  |          |                |                | Str/Smpl#/Age |         | Str/Smpl#               |               |                                    |         |              |  |
| 26                                                              | EF       | 1       | 1                        | DV               | 75       |                | U              | U             |         |                         |               |                                    |         |              |  |





Site #26, Upstream photo of boulder cascade section with side cobble bar.  
Roll #3, Frame #5, Date: 2001/08/07



Site #26, Downstream photo of cascade run in main channel and riffle section in side channel.  
Roll #3, Frame #6, Date: 2001/08/07



# FDIS Reach/Site Summary

Shelagyte River Planning Area

Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000

Reach # ILP Map # ILP #

10.0

| STREAM REFERENCING                                                                                                                                                                                                                     |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------|--|--------------------------------------------------------|--------|-------------------------------------------------|---|-------------------------|---|---|---|------------------------|---|---|---|--------------------------|-----|-----|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----|-----|-----|---|------------------|---|---|---|----------------------|-------|-----|---|
| Gazetted Name: SHELAGYTE RIVER                                                                                                                                                                                                         |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  | Local Name:                                 |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000                                                                                                                                                                    |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  | ILP Map #:                                  |  |                                                        | ILP #: |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| REACH                                                                                                                                                                                                                                  |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Reach #: 10.0                                                                                                                                                                                                                          |       | UTM(Zone/East/North): 9.599531.6199293             |   |                                                                                                                                                                                                                                                                                                                                                                                               |  | Sample Type: Random                         |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Length (km): .87                                                                                                                                                                                                                       |       | Coupling: Coupled                                  |   | Magnitude: 21                                                                                                                                                                                                                                                                                                                                                                                 |  | BGC Zone: ESSF                              |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Gradient (%): 9.9                                                                                                                                                                                                                      |       | Confinement: Occasionally Conf                     |   | Order: 3                                                                                                                                                                                                                                                                                                                                                                                      |  | Open water: Absent                          |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| US Elev (m): 1291                                                                                                                                                                                                                      |       | Islands: NONE                                      |   | Riparian Vegetation: Coniferous                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| SITE                                                                                                                                                                                                                                   |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Site #: 27                                                                                                                                                                                                                             |       | Field UTM 9.598833.6199623                         |   | Agency: C172                                                                                                                                                                                                                                                                                                                                                                                  |  | Crew: JD/EL                                 |  | Date: 2001/08/07                                       |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Site Length (m): 300                                                                                                                                                                                                                   |       | GIS UTM 9.599850.6199215                           |   | Agency Name: Triton Environmental Consultants (Terrace)                                                                                                                                                                                                                                                                                                                                       |  |                                             |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| CHANNEL                                                                                                                                                                                                                                |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |       | Intermittent: <input type="checkbox"/>             |   | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <th>Avg</th> <th>Min</th> <th>Max</th> <th>#</th> </tr> <tr> <td>Channel Width (m): 7.17</td> <td>6</td> <td>8</td> <td>6</td> </tr> <tr> <td>Wetted Width (m): 7.17</td> <td>6</td> <td>8</td> <td>6</td> </tr> <tr> <td>Bankfull Depth (m): 0.40</td> <td>0.4</td> <td>0.4</td> <td>3</td> </tr> </table> |  |                                             |  | Avg                                                    | Min    | Max                                             | # | Channel Width (m): 7.17 | 6 | 8 | 6 | Wetted Width (m): 7.17 | 6 | 8 | 6 | Bankfull Depth (m): 0.40 | 0.4 | 0.4 | 3 | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <th>Avg</th> <th>Min</th> <th>Max</th> <th>#</th> </tr> <tr> <td>Gradient %: 3.25</td> <td>3</td> <td>4</td> <td>4</td> </tr> <tr> <td>Pool Depth (m): 0.33</td> <td>0.200</td> <td>0.5</td> <td>6</td> </tr> </table> |  |  |  | Avg | Min | Max | # | Gradient %: 3.25 | 3 | 4 | 4 | Pool Depth (m): 0.33 | 0.200 | 0.5 | 6 |
| Avg                                                                                                                                                                                                                                    | Min   | Max                                                | # |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Channel Width (m): 7.17                                                                                                                                                                                                                | 6     | 8                                                  | 6 |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Wetted Width (m): 7.17                                                                                                                                                                                                                 | 6     | 8                                                  | 6 |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Bankfull Depth (m): 0.40                                                                                                                                                                                                               | 0.4   | 0.4                                                | 3 |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Avg                                                                                                                                                                                                                                    | Min   | Max                                                | # |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Gradient %: 3.25                                                                                                                                                                                                                       | 3     | 4                                                  | 4 |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Pool Depth (m): 0.33                                                                                                                                                                                                                   | 0.200 | 0.5                                                | 6 |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |       | Tribes.: <input type="checkbox"/>                  |   |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| High <input type="checkbox"/>                                                                                                                                                                                                          |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Temp (C): 5                                                                                                                                                                                                                            |       | pH: 7.4                                            |   | Conductivity: 40                                                                                                                                                                                                                                                                                                                                                                              |  | Turbidity.: Turbid <input type="checkbox"/> |  | Low <input type="checkbox"/>                           |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
|                                                                                                                                                                                                                                        |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  | Moderate <input type="checkbox"/>           |  | Clear <input checked="" type="checkbox"/>              |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| MORPHOLOGY                                                                                                                                                                                                                             |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Bed Material: Dominant: Cobble                                                                                                                                                                                                         |       | D95 (cm): 62.00                                    |   | Bars: Non <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                            |  | Side <input checked="" type="checkbox"/>    |  | Diagonal <input type="checkbox"/>                      |        | Mid-channel <input checked="" type="checkbox"/> |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Subdominant: Gravels                                                                                                                                                                                                                   |       | D (cm): 17.00                                      |   |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        | Span <input type="checkbox"/>                   |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Channel Pattern: Sinuous                                                                                                                                                                                                               |       | Islands: Irregular                                 |   | DISTURBANCE INDICATORS                                                                                                                                                                                                                                                                                                                                                                        |  | O1 <input type="checkbox"/>                 |  | B1 <input type="checkbox"/>                            |        | B2 <input type="checkbox"/>                     |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Coupling: Coupled                                                                                                                                                                                                                      |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  | B3 <input type="checkbox"/>                 |  | D1 <input type="checkbox"/>                            |        | D2 <input type="checkbox"/>                     |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Confinement: Occasionally Confine                                                                                                                                                                                                      |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  | D3 <input type="checkbox"/>                 |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Morphology: RP Riffle Pool                                                                                                                                                                                                             |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  | C1 <input type="checkbox"/>                 |  | C2 <input type="checkbox"/>                            |        | C3 <input type="checkbox"/>                     |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
|                                                                                                                                                                                                                                        |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  | C4 <input type="checkbox"/>                 |  | C5 <input type="checkbox"/>                            |        | S1 <input type="checkbox"/>                     |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
|                                                                                                                                                                                                                                        |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  | S2 <input type="checkbox"/>                 |  | S3 <input type="checkbox"/>                            |        | S4 <input type="checkbox"/>                     |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
|                                                                                                                                                                                                                                        |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  | S5 <input type="checkbox"/>                 |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| COVER                                                                                                                                                                                                                                  |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        |                                                 |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Total Cover: Abundant                                                                                                                                                                                                                  |       | Type: SWD                                          |   | LWD                                                                                                                                                                                                                                                                                                                                                                                           |  | B                                           |  | U                                                      |        | DP                                              |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| LWD: Few                                                                                                                                                                                                                               |       | Amount: T                                          |   | T                                                                                                                                                                                                                                                                                                                                                                                             |  | D                                           |  | T                                                      |        | S                                               |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| LWD Dist: Evenly Distributed                                                                                                                                                                                                           |       | Location: P/S/O:                                   |   | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                           |  | <input checked="" type="checkbox"/>         |  | <input checked="" type="checkbox"/>                    |        | <input checked="" type="checkbox"/>             |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
|                                                                                                                                                                                                                                        |       |                                                    |   | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                           |  | <input checked="" type="checkbox"/>         |  | <input checked="" type="checkbox"/>                    |        | <input checked="" type="checkbox"/>             |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Right Bank: Shape: Sloping (g)                                                                                                                                                                                                         |       | Texture: Fines <input checked="" type="checkbox"/> |   | Gravel <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                               |  | Cobble <input checked="" type="checkbox"/>  |  | Boulder <input type="checkbox"/>                       |        | Rock <input type="checkbox"/>                   |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Left Bank: Shape: Sloping (g)                                                                                                                                                                                                          |       | Texture: Fines <input checked="" type="checkbox"/> |   | Gravel <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                               |  | Cobble <input checked="" type="checkbox"/>  |  | Boulder <input type="checkbox"/>                       |        | Rock <input type="checkbox"/>                   |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Right Bank: Rip.Veg: Mixed C/D                                                                                                                                                                                                         |       | Stage: Mature forest                               |   |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        | Crown Closure                                   |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |       | Stage: Mature forest                               |   |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        | 1-20%                                           |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
|                                                                                                                                                                                                                                        |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  | Instream Veg: None <input checked="" type="checkbox"/> |        | Algae <input type="checkbox"/>                  |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
|                                                                                                                                                                                                                                        |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        | Moss <input type="checkbox"/>                   |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |
|                                                                                                                                                                                                                                        |       |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                               |  |                                             |  |                                                        |        | Vascular <input type="checkbox"/>               |   |                         |   |   |   |                        |   |   |   |                          |     |     |   |                                                                                                                                                                                                                                                                                                          |  |  |  |     |     |     |   |                  |   |   |   |                      |       |     |   |



# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000

Reach # ILP Map # ILP #

10.0

| SITE                                    |                |                                         |                   |                                                         |         |                                 |            |                                            |                     |                                                        |               |
|-----------------------------------------|----------------|-----------------------------------------|-------------------|---------------------------------------------------------|---------|---------------------------------|------------|--------------------------------------------|---------------------|--------------------------------------------------------|---------------|
| Site #: 225                             |                | Field UTM ..                            |                   | Agency: C172                                            |         | Crew: JH/JA                     |            | Date: 2001/08/07                           |                     |                                                        |               |
| Site Length (m): 210                    |                | GIS UTM 9.600113.6199119                |                   | Agency Name: Triton Environmental Consultants (Terrace) |         |                                 |            |                                            |                     |                                                        |               |
| CHANNEL                                 |                |                                         |                   |                                                         |         |                                 |            |                                            |                     |                                                        |               |
| No Vis.Ch.: <input type="checkbox"/>    |                | Intermittent: <input type="checkbox"/>  |                   | Avg                                                     |         | Min                             |            | Max                                        |                     | #                                                      |               |
| Dewatered: <input type="checkbox"/>     |                | Tribes.: <input type="checkbox"/>       |                   | Channel Width (m):                                      |         | 8.05                            |            | 7.400                                      |                     | 9.100 6                                                |               |
| Stage: Low <input type="checkbox"/>     |                |                                         |                   | Wetted Width (m):                                       |         | 7.38                            |            | 6.800                                      |                     | 8 6                                                    |               |
| Med <input checked="" type="checkbox"/> |                |                                         |                   | Bankfull Depth (m):                                     |         | 0.80                            |            | 0.7                                        |                     | 0.9 3                                                  |               |
| High <input type="checkbox"/>           |                | Temp (C): 6                             |                   | pH: 7.5                                                 |         | Conductivity: 30                |            |                                            |                     |                                                        |               |
|                                         |                |                                         |                   |                                                         |         |                                 |            | Gradient %:                                |                     | Avg 6.00 Min 6 Max 6 # 4                               |               |
|                                         |                |                                         |                   |                                                         |         |                                 |            | Pool Depth (m):                            |                     | 0.70 0.400 0.9 6                                       |               |
|                                         |                |                                         |                   |                                                         |         |                                 |            | Turbidity: Turbid <input type="checkbox"/> |                     | Low <input type="checkbox"/>                           |               |
|                                         |                |                                         |                   |                                                         |         |                                 |            | Moderate <input type="checkbox"/>          |                     | Clear <input checked="" type="checkbox"/>              |               |
| MORPHOLOGY                              |                |                                         |                   |                                                         |         |                                 |            |                                            |                     |                                                        |               |
| Bed Material: Dominant: Boulders        |                | D95 (cm): 110.00                        |                   | Bars: Non <input checked="" type="checkbox"/>           |         | Side <input type="checkbox"/>   |            | Diagonal <input type="checkbox"/>          |                     | Mid-channel <input type="checkbox"/>                   |               |
| Subdominant: Cobble                     |                | D (cm): 30.00                           |                   |                                                         |         |                                 |            |                                            |                     | Span <input type="checkbox"/>                          |               |
| Channel Pattern: Irregular, Wandering   |                | Islands: None                           |                   | DISTURBANCE                                             |         | O1                              |            | B1                                         |                     | B2                                                     |               |
| Coupling: Partially Coupled             |                |                                         |                   | INDICATORS                                              |         | <input type="checkbox"/>        |            | <input type="checkbox"/>                   |                     | <input type="checkbox"/>                               |               |
| Confinement: Frequently Confined        |                |                                         |                   |                                                         |         | C1                              |            | C2                                         |                     | C3                                                     |               |
| Morphology: CP Cascade Pool             |                |                                         |                   |                                                         |         | <input type="checkbox"/>        |            | <input type="checkbox"/>                   |                     | <input type="checkbox"/>                               |               |
|                                         |                |                                         |                   |                                                         |         | C4                              |            | C5                                         |                     | S1                                                     |               |
|                                         |                |                                         |                   |                                                         |         | <input type="checkbox"/>        |            | <input type="checkbox"/>                   |                     | <input type="checkbox"/>                               |               |
|                                         |                |                                         |                   |                                                         |         | S2                              |            | S3                                         |                     | S4                                                     |               |
|                                         |                |                                         |                   |                                                         |         | <input type="checkbox"/>        |            | <input type="checkbox"/>                   |                     | <input type="checkbox"/>                               |               |
|                                         |                |                                         |                   |                                                         |         | S5                              |            |                                            |                     |                                                        |               |
|                                         |                |                                         |                   |                                                         |         | <input type="checkbox"/>        |            |                                            |                     |                                                        |               |
| COVER                                   |                |                                         |                   |                                                         |         |                                 |            |                                            |                     |                                                        |               |
| Total Cover: Moderate                   |                | Type: SWD                               |                   | LWD                                                     |         | B                               |            | U                                          |                     | DP                                                     |               |
| LWD: None                               |                | Amount: N                               |                   | N                                                       |         | D                               |            | N                                          |                     | S                                                      |               |
| LWD Dist: Not Applicable                |                | Location: P/S/O:                        |                   | <input type="checkbox"/>                                |         | <input type="checkbox"/>        |            | <input checked="" type="checkbox"/>        |                     | <input type="checkbox"/>                               |               |
|                                         |                |                                         |                   | <input type="checkbox"/>                                |         | <input type="checkbox"/>        |            | <input checked="" type="checkbox"/>        |                     | <input type="checkbox"/>                               |               |
|                                         |                |                                         |                   | <input type="checkbox"/>                                |         | <input type="checkbox"/>        |            | <input type="checkbox"/>                   |                     | <input type="checkbox"/>                               |               |
| Right Bank: Shape: V - shape            |                | Texture: Fines <input type="checkbox"/> |                   | Gravel <input checked="" type="checkbox"/>              |         | Cobble <input type="checkbox"/> |            | Boulder <input type="checkbox"/>           |                     | Rock <input type="checkbox"/>                          |               |
| Left Bank: Shape: V - shape             |                | Texture: Fines <input type="checkbox"/> |                   | Gravel <input checked="" type="checkbox"/>              |         | Cobble <input type="checkbox"/> |            | Boulder <input type="checkbox"/>           |                     | Rock <input checked="" type="checkbox"/>               |               |
| Right Bank: Rip.Veg: Deciduous          |                | Stage: Pole-sapling stage               |                   |                                                         |         |                                 |            |                                            |                     | Crown Closure                                          |               |
| Left Bank: Rip.Veg:                     |                | Stage: Shrub/herb stage                 |                   |                                                         |         |                                 |            |                                            |                     | 0%                                                     |               |
|                                         |                |                                         |                   |                                                         |         |                                 |            |                                            |                     | Instream Veg: None <input checked="" type="checkbox"/> |               |
|                                         |                |                                         |                   |                                                         |         |                                 |            |                                            |                     | Algae <input type="checkbox"/>                         |               |
|                                         |                |                                         |                   |                                                         |         |                                 |            |                                            |                     | Moss <input type="checkbox"/>                          |               |
|                                         |                |                                         |                   |                                                         |         |                                 |            |                                            |                     | Vascular <input type="checkbox"/>                      |               |
| FEATURES                                |                |                                         |                   |                                                         |         |                                 |            |                                            |                     |                                                        |               |
| NID Map                                 | NID            | Type                                    | Hgt               | Method                                                  | Lg      | Method                          | Photo      |                                            | AirPhoto            |                                                        | UTM (Z/E/N)   |
| 093M.094                                | 21004          | F                                       | 40.0              | GE                                                      | 10      | GE                              | R: 22      | F: 18                                      | L:                  | #:                                                     | 9.600199.6198 |
| Comments: Shely Falls                   |                |                                         |                   |                                                         |         |                                 |            |                                            |                     |                                                        |               |
| FISH                                    |                |                                         |                   |                                                         |         |                                 |            |                                            |                     |                                                        |               |
| Site Number                             | Capture Method | Number of Events                        | Length fished (m) | Total Time                                              | Voltage | Species                         | Total Fish | Minimum Length (mm)                        | Maximum Length (mm) |                                                        |               |
| 27                                      | EF             | 1                                       | 300               | 368 sec                                                 | 900     | NFC                             | 0          |                                            |                     |                                                        |               |
| 225                                     | EF             | 1                                       | 210               | 793 sec                                                 | 600     | NFC                             | 0          |                                            |                     |                                                        |               |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000

Reach # 10.0 ILP Map # ILP # Site 27

### PROJECT

Project Name: Shelagyote Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000  
Project Code: 1550

### WATERSHED

Gazetted Name: SHELAGYOTE RIVER  
Local Name: Shelagyote River  
Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000  
ILP Map#: ILP #: NID Map #: 093M.093 NID #: 22027 Reach #: 10.0 Site #: 27  
Field UTM (Z.E.N): 9.598833.6199623 Method: GPU Site Lg: 300 Method: GE Access: H  
GIS UTM (Z.E.N): 9.599850.6199215 Ref. Name:  
Date: 2001/08/07 Time: 15:15 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |            | Gadient % | Mtd | Avg    |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------------|-----------|-----|--------|
| Channel Width (m): | GE  | 8.00  | 7.00  | 8.00  | 8.00  | 6.00  | 6.00  |       |       |       |       | 7.17 | Method I:  | 4.0       | 3.0 | C 3.25 |
| Wetted Width (m):  | GE  | 8.00  | 7.00  | 8.00  | 8.00  | 6.00  | 6.00  |       |       |       |       | 7.17 | Method II: | 3.0       | 3.0 | C      |
| Pool Depth (m):    | MS  | 0.40  | 0.30  | 0.30  | 0.50  | 0.20  | 0.30  |       |       |       |       | 0.33 |            |           |     |        |

Wb Depth: .4 .4 .4 Avg: 0.40 Method: MS Stage: L ☐ M ☒ H ☐ No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                                   | U                                   | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | T                                   | D                                   | T                                   | S                                   | T                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

LWD: F DIST: E

LB SHP: S

Texture: F ☒ G ☐ C ☒ B ☐ R ☐ A ☐

RIP: M

STG: MF

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

RB SHP: S

Texture: F ☒ G ☐ C ☒ B ☐ R ☐ A ☐

RIP: M

STG: MF

### WATER

EMS: Temp: 5 Method: T4 Req #: Cond.: 40 Method: S3  
pH: 7.4 Method: P2 Turb.: T ☐ M ☐ L ☐ C ☒ Method: GE  
Flood Signs: None observed Method: GE

### MORPHOLOGY

Bed Material: Dominant: C Subdom: G O1 B1 B2 B3 D1 D2 D3  
D95: 62.0 D (cm): 17.00 Morph: RP DISTURBANCE INDICATORS  
Pattern: SI C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: I  
Coupling: CO  
Confinement: OC  
FSZ: ☐ Bars: N ☐ SIDE ☒ DIAG ☐ MID ☒ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                          |
|--------------------|---------------------------------------------------|
| OverWinter Habitat | None in surveyed section                          |
| Cover              | Moderate-most cover in riffle cobble sections     |
| Rearing Habitat    | Moderate-riffle complex with slower side channels |
| Spawning Habitat   | Poor-angular gravel                               |

### PHOTOS

| Photo     | Foc Lg | Dir | Comments                                                         |
|-----------|--------|-----|------------------------------------------------------------------|
| R: 3 F: 7 | STD    | U   | Upstream photo of riffle section with Jason shocking             |
| R: 3 F: 8 | STD    | D   | Downstream photo of riffle with overstream vegetation on margins |



# FDIS Site Card

Shelagyote River Planning Area

Watershed Code: 480-195700-00000-00000-0000-0000-000-000-000-000-000

|         |           |       |      |
|---------|-----------|-------|------|
| Reach # | ILP Map # | ILP # | Site |
| 10.0    |           |       | 27   |

| COMMENTS |                          |
|----------|--------------------------|
| Section  | Comments                 |
| CHANNEL  | No fish caught           |
| CHANNEL  | Site located above falls |

# FDIS Fish Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-00000-00000-0000-0000-000-000-000-000-000

Reach # 10.0  
ILP Map #  
ILP #

| WATERBODY                                                    |          |       |                          |         |                  |          |                |           |         |                                    |               |     |  |  |
|--------------------------------------------------------------|----------|-------|--------------------------|---------|------------------|----------|----------------|-----------|---------|------------------------------------|---------------|-----|--|--|
| Gazetted Name: SHELAGYOTE RIVER                              |          |       |                          |         |                  |          |                |           |         | Local: Shelagyote River            |               |     |  |  |
| Project Code: 480-000000-00000-00000-0000-0000-000-000-000-0 |          |       |                          |         |                  |          |                |           |         |                                    |               |     |  |  |
| WS Code: 480-195700-00000-00000-0000-0000-000-000-000-000    |          |       |                          |         |                  |          |                |           |         |                                    |               |     |  |  |
| Waterbody ID:                                                |          |       |                          |         | ILP Map #:       |          |                |           |         | ILP #:                             |               |     |  |  |
| Project ID: 1550                                             |          |       |                          |         | Lake/Stream: S   |          |                |           |         | Reach #: 10 -                      |               |     |  |  |
| Lake From Date:                                              |          |       |                          |         |                  |          |                |           |         |                                    |               |     |  |  |
| Fish Permit #: 145084K                                       |          |       |                          |         | Date: 2001/08/07 |          |                |           |         | To: 2001/08/07                     |               |     |  |  |
| Agency: C172                                                 |          |       |                          |         | Crew: JD/EL      |          |                |           |         | Resample: <input type="checkbox"/> |               |     |  |  |
| SITE / METHOD                                                |          |       |                          |         |                  |          |                |           |         |                                    |               |     |  |  |
| Site#                                                        | NID Map  | NID # | UTM:Zone/East/North/Mthd |         |                  | MTD/NO   |                | Temp      | Cond    | Turbid                             | Comment       |     |  |  |
| 225                                                          | 093M.094 | 20025 |                          |         |                  | GPU      | EF 1           | 6         | 30      | L                                  |               |     |  |  |
| 27                                                           | 093M.093 | 22027 |                          |         |                  | GPU      | EF 1           | 5         | 40      | C                                  |               |     |  |  |
| A. GEAR SETTINGS                                             |          |       |                          |         |                  |          |                |           |         |                                    |               |     |  |  |
| Site#                                                        | MTD/NO   | H/P   | Date In                  | Time In | Date Out         | Time Out | Comment        |           |         |                                    |               |     |  |  |
| 27                                                           | EF 1     | 1     | 2001/08/07               | 15:15   | 2001/08/07       | 16:00    |                |           |         |                                    |               |     |  |  |
| 225                                                          | EF 1     | 1     | 2001/08/07               | 15:20   | 2001/08/07       | 16:40    |                |           |         |                                    |               |     |  |  |
| C. ELECTROFISHER SPECIFICATIONS                              |          |       |                          |         |                  |          |                |           |         |                                    |               |     |  |  |
| Site#                                                        | MTD/NO   | H/P   | Encl                     | Sec     | Length           | Width    | Voltage        | Frequency | Pulse   | Make                               | Model         |     |  |  |
| 27                                                           | EF       | 1     | 1                        | O       | 368              | 300.0    | 6.0            | 900       | 60      | 6                                  | SMITH<br>ROOT | 12B |  |  |
| 225                                                          | EF       | 1     | 1                        | O       | 793              | 210.0    | 7.0            | 600       | 60      | 6                                  | SMITH<br>ROOT | 12B |  |  |
| FISH SUMMARY                                                 |          |       |                          |         |                  |          |                |           |         |                                    |               |     |  |  |
| Site#                                                        | MTD/NO   | H/P   | Species                  | Stage   | Age              | Total #  | Lgth (Min/Max) | FishAct   | Comment |                                    |               |     |  |  |
| 27                                                           | EF       | 1     | 1                        | NFC     |                  | 0        |                |           |         |                                    |               |     |  |  |
| 225                                                          | EF       | 1     | 1                        | NFC     |                  | 0        |                |           |         |                                    |               |     |  |  |





Site #27, Upstream photo of riffle section with Jason shocking.  
Roll #3, Frame #7, Date: 2001/08/07



Site #27, Downstream photo of riffle with overstream vegetation on margins.  
Roll #3, Frame #8, Date: 2001/08/07



# FDIS Reach/Site Summary

Shelagoyote River Planning Area

Watershed Code: 480-195700-82900-00000-0000-0000-000-000-000-000

Reach # ILP Map # ILP #

6.0

| STREAM REFERENCING                                                                                                                                                                                                                     |                |                                                    |                   |                                                         |             |                                          |            |                                                                                                      |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------|-------------------|---------------------------------------------------------|-------------|------------------------------------------|------------|------------------------------------------------------------------------------------------------------|---------------------|
| Gazetted Name:                                                                                                                                                                                                                         |                |                                                    |                   |                                                         | Local Name: |                                          |            |                                                                                                      |                     |
| Watershed Code: 480-195700-82900-00000-0000-0000-000-000-000-000                                                                                                                                                                       |                |                                                    |                   |                                                         | ILP Map #:  |                                          | ILP #:     |                                                                                                      |                     |
| REACH                                                                                                                                                                                                                                  |                |                                                    |                   |                                                         |             |                                          |            |                                                                                                      |                     |
| Reach #: 6.0                                                                                                                                                                                                                           |                | UTM(Zone/East/North): 9.601138.6201593             |                   |                                                         |             | Sample Type: Biased                      |            |                                                                                                      |                     |
| Length (km): .68                                                                                                                                                                                                                       |                | Coupling: Decoupled                                |                   | Magnitude: 13                                           |             | BGC Zone: ESSF                           |            |                                                                                                      |                     |
| Gradient (%): 3.7                                                                                                                                                                                                                      |                | Confinement: Occasionally Conf                     |                   | Order: 3                                                |             | Open water: Absent                       |            |                                                                                                      |                     |
| US Elev (m): 1028                                                                                                                                                                                                                      |                | Islands: NONE                                      |                   | Riparian Vegetation: Coniferous                         |             |                                          |            |                                                                                                      |                     |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                |                                                    |                   |                                                         |             |                                          |            |                                                                                                      |                     |
| SITE                                                                                                                                                                                                                                   |                |                                                    |                   |                                                         |             |                                          |            |                                                                                                      |                     |
| Site #: 28                                                                                                                                                                                                                             |                | Field UTM ..                                       |                   | Agency: C172                                            |             | Crew: JD/EL                              |            | Date: 2001/08/08                                                                                     |                     |
| Site Length (m): 200                                                                                                                                                                                                                   |                | GIS UTM 9.601452.6201352                           |                   | Agency Name: Triton Environmental Consultants (Terrace) |             |                                          |            |                                                                                                      |                     |
| CHANNEL                                                                                                                                                                                                                                |                |                                                    |                   |                                                         |             |                                          |            |                                                                                                      |                     |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |                | Intermittent: <input type="checkbox"/>             |                   | Avg                                                     |             | Min                                      |            | Max                                                                                                  |                     |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |                | Tribes.: <input type="checkbox"/>                  |                   | Channel Width (m): 2.83                                 |             | 2.400                                    |            | 3.200                                                                                                |                     |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |                |                                                    |                   | Wetted Width (m): 1.87                                  |             | 1.700                                    |            | 2                                                                                                    |                     |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |                |                                                    |                   | Bankfull Depth (m): 0.53                                |             | 0.5                                      |            | 0.6                                                                                                  |                     |
| High <input type="checkbox"/>                                                                                                                                                                                                          |                | Temp (C): 5                                        |                   | pH: 8.0                                                 |             | Conductivity: 60                         |            | Turbidity: Turbid <input type="checkbox"/> Low <input type="checkbox"/>                              |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |             |                                          |            | Moderate <input type="checkbox"/> Clear <input checked="" type="checkbox"/>                          |                     |
| MORPHOLOGY                                                                                                                                                                                                                             |                |                                                    |                   |                                                         |             |                                          |            |                                                                                                      |                     |
| Bed Material: Dominant: Gravels                                                                                                                                                                                                        |                | D95 (cm): 10.00                                    |                   | Bars: Non <input type="checkbox"/>                      |             | Side <input checked="" type="checkbox"/> |            | Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> |                     |
| Subdominant: Fines                                                                                                                                                                                                                     |                | D (cm): 10.00                                      |                   |                                                         |             |                                          |            | Braid <input type="checkbox"/>                                                                       |                     |
| Channel Pattern: Irregular Meanders                                                                                                                                                                                                    |                | Islands: None                                      |                   | DISTURBANCE                                             |             | O1                                       |            | B1 B2 B3 D1 D2 D3                                                                                    |                     |
| Coupling: Decoupled                                                                                                                                                                                                                    |                |                                                    |                   | INDICATORS                                              |             | <input type="checkbox"/>                 |            | <input type="checkbox"/>                                                                             |                     |
| Confinement: Unconfined                                                                                                                                                                                                                |                |                                                    |                   | C1 C2 C3 C4 C5 S1 S2 S3 S4 S5                           |             | <input type="checkbox"/>                 |            | <input type="checkbox"/>                                                                             |                     |
| Morphology: RP Riffle Pool                                                                                                                                                                                                             |                |                                                    |                   |                                                         |             | <input type="checkbox"/>                 |            | <input type="checkbox"/>                                                                             |                     |
| COVER                                                                                                                                                                                                                                  |                |                                                    |                   |                                                         |             |                                          |            |                                                                                                      |                     |
| Total Cover: Abundant                                                                                                                                                                                                                  |                | Type: SWD                                          |                   | LWD                                                     |             | B                                        |            | U                                                                                                    |                     |
| LWD: Few                                                                                                                                                                                                                               |                | Amount: T                                          |                   | D                                                       |             | N                                        |            | S                                                                                                    |                     |
| LWD Dist: Clumped                                                                                                                                                                                                                      |                | Location: P/S/O:                                   |                   | <input checked="" type="checkbox"/>                     |             | <input checked="" type="checkbox"/>      |            | <input checked="" type="checkbox"/>                                                                  |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | <input checked="" type="checkbox"/>                     |             | <input checked="" type="checkbox"/>      |            | <input checked="" type="checkbox"/>                                                                  |                     |
| Right Bank: Shape: Overhang                                                                                                                                                                                                            |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input type="checkbox"/>                         |             | Cobble <input type="checkbox"/>          |            | Boulder <input type="checkbox"/> Rock <input type="checkbox"/> Manmade <input type="checkbox"/>      |                     |
| Left Bank: Shape: Overhang                                                                                                                                                                                                             |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input type="checkbox"/>                         |             | Cobble <input type="checkbox"/>          |            | Boulder <input type="checkbox"/> Rock <input type="checkbox"/> Manmade <input type="checkbox"/>      |                     |
| Right Bank: Rip.Veg: Mixed C/D                                                                                                                                                                                                         |                | Stage: Mature forest                               |                   |                                                         |             |                                          |            | Crown Closure 1-20%                                                                                  |                     |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |                | Stage: Mature forest                               |                   | Instream Veg: None <input type="checkbox"/>             |             | Algae <input type="checkbox"/>           |            | Moss <input type="checkbox"/> Vascular <input checked="" type="checkbox"/>                           |                     |
| FISH                                                                                                                                                                                                                                   |                |                                                    |                   |                                                         |             |                                          |            |                                                                                                      |                     |
| Site Number                                                                                                                                                                                                                            | Capture Method | Number of Events                                   | Length fished (m) | Total Time                                              | Voltage     | Species                                  | Total Fish | Minimum Length (mm)                                                                                  | Maximum Length (mm) |
| 28                                                                                                                                                                                                                                     | EF             | 1                                                  | 200               | 520 sec                                                 | 500         | DV                                       | 29         | 26                                                                                                   | 85                  |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-82900-00000-00000-00000-00000-00000-00000-00000

Reach # 6.0 ILP Map # ILP # Site 28

### PROJECT

Project Name: Shelagyote Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-00000-00000-00000-00000-00000-00000

Project Code: 1550

### WATERSHED

Gazetted Name: Watershed Code: 480-195700-82900-00000-00000-00000-00000-00000-00000-00000  
Local Name: None  
ILP Map #: ILP #: NID Map #: 093M.094 NID #: 22028 Reach #: 6.0 Site #: 28  
Field UTM (Z.E.N): .. Method: Site Lg: 200 Method: HC Access: H  
GIS UTM (Z.E.N): 9.601452.6201352 Ref. Name:  
Date: 2001/08/08 Time: 09:00 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    |     |       |       |       |       |       |       |       |       |       |       |      |            |           |     |      |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------------|-----------|-----|------|
|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |            | Gadient % | Mtd | Avg  |
| Channel Width (m): | MS  | 2.60  | 2.90  | 3.10  | 2.40  | 2.80  | 3.20  |       |       |       |       | 2.83 | Method I:  | 2.0       | 2.0 | 1.88 |
| Wetted Width (m):  | MS  | 1.90  | 2.00  | 1.70  | 1.80  | 2.00  | 1.80  |       |       |       |       | 1.87 | Method II: | 1.5       | 2.0 |      |
| Pool Depth (m):    | MS  | 0.63  | 0.57  | 0.62  | 0.59  | 0.61  | 0.60  |       |       |       |       | 0.60 |            |           |     |      |

Wb Depth: .6 .5 .5 Avg: 0.53 Method: MS Stage: L ☐ M ☒ H ☐

No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                        | U                                   | DP                                  | OV                                  | IV                                  |
|-------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Amount:     | T                                   | D                                   | N                        | S                                   | S                                   | T                                   | S                                   |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☐ A ☐ M ☐ V ☒

LWD: F DIST: C

LB SHP: O

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: M

STG: MF

RB SHP: O

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: M

STG: MF

### WATER

EMS:  
Temp: 5  
pH: 8.0  
Flood Signs: None

Method: T4  
Method: P2  
Method: GE

Req #: Cond.: 60 Method: S3  
Turb.: T ☐ M ☐ L ☐ C ☒ Method: GE

### MORPHOLOGY

Bed Material: Dominant: G Subdom: F  
D95: 10.0 D (cm): 10.00 Morph: RP  
Pattern: IM  
Islands: N  
Coupling: DC  
Confinement: UN  
FSZ: ☐

O1 B1 B2 B3 D1 D2 D3  
DISTURBANCE INDICATORS  
C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Bars: N ☐ SIDE ☒ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                                                                 |
|--------------------|------------------------------------------------------------------------------------------|
| OverWinter Habitat | Present in deep pools                                                                    |
| Rearing Habitat    | High-abundant cover, LWD, pools, high complexity                                         |
| Spawning Habitat   | High-abundant gravels suitable for resident trout, deep pools, nice tailouts, good flows |

### PHOTOS

| Photo      | Foc Lg | Dir | Comments                           |
|------------|--------|-----|------------------------------------|
| R: 3 F: 10 | STD    | D   | Downstream photo of riffle habitat |
| R: 3 F: 9  | STD    | U   | Upstream photo of pool habitat     |

## Shelagyote River Planning Area

| Reach # | ILP Map # | ILP # | Site |
|---------|-----------|-------|------|
| 6.0     |           |       | 28   |

| COMMENTS |             |
|----------|-------------|
| Section  | Comments    |
| CHANNEL  | DV captured |
| CHANNEL  | S3 Stream   |



# FDIS Fish Card

## Shelagyte River Planning Area

Watershed Code: 480-195700-82900-00000-0000-0000-000-000-000-000

Reach # ILP Map # ILP #  
6.0

| WATERBODY                                                     |          |         |                          |                  |                |                |                |              |         |                                 |               |                                    |        |        |         |
|---------------------------------------------------------------|----------|---------|--------------------------|------------------|----------------|----------------|----------------|--------------|---------|---------------------------------|---------------|------------------------------------|--------|--------|---------|
| Gazetted Name:                                                |          |         |                          |                  |                |                |                |              |         | Local: None                     |               |                                    |        |        |         |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-0   |          |         |                          |                  |                |                |                |              |         |                                 |               |                                    |        |        |         |
| WS Code: 480-195700-82900-00000-0000-0000-000-000-000-000-000 |          |         |                          |                  |                |                |                |              |         |                                 |               |                                    |        |        |         |
| Waterbody ID:                                                 |          |         |                          |                  | ILP Map #:     |                |                |              |         | ILP #:                          |               |                                    |        |        |         |
| Project ID: 1550                                              |          |         |                          |                  | Lake/Stream: S |                |                |              |         | Reach #: 6 -<br>Lake From Date: |               |                                    |        |        |         |
| Fish Permit #:                                                |          | 145084K |                          | Date: 2001/08/08 |                | To: 2001/08/08 |                | Agency: C172 |         | Crew: JD/EL                     |               | Resample: <input type="checkbox"/> |        |        |         |
| SITE / METHOD                                                 |          |         |                          |                  |                |                |                |              |         |                                 |               |                                    |        |        |         |
| Site#                                                         | NID Map  | NID #   | UTM:Zone/East/North/Mthd |                  |                | MTD/NO         | Temp           | Cond         | Turbid  | Comment                         |               |                                    |        |        |         |
| 28                                                            | 093M.094 | 22028   |                          |                  |                | GPU EF 1       | 5              | 60           | C       |                                 |               |                                    |        |        |         |
| A. GEAR SETTINGS                                              |          |         |                          |                  |                |                |                |              |         |                                 |               |                                    |        |        |         |
| Site#                                                         | MTD/NO   | H/P     | Date In                  | Time In          | Date Out       | Time Out       | Comment        |              |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF 1     | 1       | 2001/08/08               | 09:00            | 2001/08/08     | 09:45          |                |              |         |                                 |               |                                    |        |        |         |
| C. ELECTROFISHER SPECIFICATIONS                               |          |         |                          |                  |                |                |                |              |         |                                 |               |                                    |        |        |         |
| Site#                                                         | MTD/NO   | H/P     | Encl                     | Sec              | Length         | Width          | Voltage        | Frequency    | Pulse   | Make                            | Model         |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | O                | 520            | 200.0          | 2.0            | 500          | 70      | 6                               | SMITH<br>ROOT | 12B                                |        |        |         |
| FISH SUMMARY                                                  |          |         |                          |                  |                |                |                |              |         |                                 |               |                                    |        |        |         |
| Site#                                                         | MTD/NO   | H/P     | Species                  | Stage            | Age            | Total #        | Lgth (Min/Max) |              | FishAct | Comment                         |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | J              | 6              | 62             | 85           | R       |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | F              | 23             | 26             | 32           | R       |                                 |               |                                    |        |        |         |
| INDIVIDUAL FISH DATA                                          |          |         |                          |                  |                |                |                |              |         |                                 |               |                                    |        |        |         |
| Site#                                                         | MTD/NO   | H/P     | Species                  | Length           | Weight         | Sex            | Mat            | Age          |         | Vch#                            | Genetic       |                                    | Roll # | Frame# | Comment |
|                                                               |          |         |                          |                  |                |                |                | Str/Smpl#    | Age     |                                 | Str/Smpl#     |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 26             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 68             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 28             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 32             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 26             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 75             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 62             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 32             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 29             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 70             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 30             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 63             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 31             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 85             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 30             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 28             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 26             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 27             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 29             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 30             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 26             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 32             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 26             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 28             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 29             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 30             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 29             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 30             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 30             |                | U              | U            |         |                                 |               |                                    |        |        |         |
| 28                                                            | EF       | 1       | 1                        | DV               | 30             |                | U              | U            |         |                                 |               |                                    |        |        |         |





Site #28, Upstream photo of pool habitat.  
Roll #3, Frame #9, Date: 2001/08/08



Site #28, Downstream photo of riffle habitat.  
Roll #3, Frame #10, Date: 2001/08/08



# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Watershed Code: 480-195700-80300-00000-0000-0000-000-000-000-000

Reach # ILP Map # ILP #

3.0

| STREAM REFERENCING                                                                                                                                                                                                                     |                |                                         |                   |                                                         |         |                                            |            |                                                        |                     |                                           |    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------|-------------------|---------------------------------------------------------|---------|--------------------------------------------|------------|--------------------------------------------------------|---------------------|-------------------------------------------|----|
| Gazetted Name:                                                                                                                                                                                                                         |                |                                         |                   |                                                         |         | Local Name:                                |            |                                                        |                     |                                           |    |
| Watershed Code: 480-195700-80300-00000-0000-0000-000-000-000-000                                                                                                                                                                       |                |                                         |                   |                                                         |         | ILP Map #:                                 |            |                                                        | ILP #:              |                                           |    |
| REACH                                                                                                                                                                                                                                  |                |                                         |                   |                                                         |         |                                            |            |                                                        |                     |                                           |    |
| Reach #: 3.0                                                                                                                                                                                                                           |                | UTM(Zone/East/North): 9.605281.6202334  |                   |                                                         |         | Sample Type: Biased                        |            |                                                        |                     |                                           |    |
| Length (km): 1.63                                                                                                                                                                                                                      |                | Coupling: Decoupled                     |                   | Magnitude: 107                                          |         | BGC Zone: SBS                              |            |                                                        |                     |                                           |    |
| Gradient (%): 1.4                                                                                                                                                                                                                      |                | Confinement: Occasionally Conf          |                   |                                                         |         | Order: 5                                   |            | Open water: Absent                                     |                     |                                           |    |
| US Elev (m): 1006                                                                                                                                                                                                                      |                | Islands: NONE                           |                   |                                                         |         | Riparian Vegetation: Deciduous             |            |                                                        |                     |                                           |    |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                |                                         |                   |                                                         |         |                                            |            |                                                        |                     |                                           |    |
| SITE                                                                                                                                                                                                                                   |                |                                         |                   |                                                         |         |                                            |            |                                                        |                     |                                           |    |
| Site #: 29                                                                                                                                                                                                                             |                | Field UTM ..                            |                   | Agency: C172                                            |         | Crew: JD/EL                                |            | Date: 2001/08/08                                       |                     |                                           |    |
| Site Length (m): 500                                                                                                                                                                                                                   |                | GIS UTM 9.604527.6201537                |                   | Agency Name: Triton Environmental Consultants (Terrace) |         |                                            |            |                                                        |                     |                                           |    |
| CHANNEL                                                                                                                                                                                                                                |                |                                         |                   |                                                         |         |                                            |            |                                                        |                     |                                           |    |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |                | Intermittent: <input type="checkbox"/>  |                   | Avg                                                     |         | Min                                        |            | Max                                                    |                     | #                                         |    |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |                | Tribes.: <input type="checkbox"/>       |                   | Channel Width (m): 18.00                                |         | 15                                         |            | 22                                                     |                     | 6                                         |    |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |                |                                         |                   | Wetted Width (m): 16.00                                 |         | 14                                         |            | 18                                                     |                     | 6                                         |    |
| Med <input type="checkbox"/>                                                                                                                                                                                                           |                |                                         |                   | Bankfull Depth (m): 1.10                                |         | 1                                          |            | 1.2                                                    |                     | 3                                         |    |
| High <input checked="" type="checkbox"/>                                                                                                                                                                                               |                | Temp (C): 6                             |                   | pH: 8.0                                                 |         | Conductivity: 40                           |            |                                                        |                     |                                           |    |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         |                                            |            | Turbidity: Turbid <input type="checkbox"/>             |                     | Low <input type="checkbox"/>              |    |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         |                                            |            | Moderate <input type="checkbox"/>                      |                     | Clear <input checked="" type="checkbox"/> |    |
| MORPHOLOGY                                                                                                                                                                                                                             |                |                                         |                   |                                                         |         |                                            |            |                                                        |                     |                                           |    |
| Bed Material: Dominant: Boulders                                                                                                                                                                                                       |                | D95 (cm): 120.00                        |                   | Bars: Non <input type="checkbox"/>                      |         | Side <input checked="" type="checkbox"/>   |            | Diagonal <input type="checkbox"/>                      |                     | Mid-channel <input type="checkbox"/>      |    |
| Subdominant: Cobble                                                                                                                                                                                                                    |                | D (cm): 40.00                           |                   |                                                         |         |                                            |            |                                                        |                     | Span <input type="checkbox"/>             |    |
| Channel Pattern: Sinuous                                                                                                                                                                                                               |                | Islands: None                           |                   | DISTURBANCE                                             |         | O1                                         |            | B1                                                     |                     | B2                                        |    |
| Coupling: Partially Coupled                                                                                                                                                                                                            |                |                                         |                   | INDICATORS                                              |         | <input type="checkbox"/>                   |            | <input type="checkbox"/>                               |                     | <input type="checkbox"/>                  |    |
| Confinement: Frequently Confined                                                                                                                                                                                                       |                |                                         |                   |                                                         |         | C1                                         |            | C2                                                     |                     | C3                                        |    |
| Morphology: CP Cascade Pool                                                                                                                                                                                                            |                |                                         |                   |                                                         |         | <input type="checkbox"/>                   |            | <input type="checkbox"/>                               |                     | <input type="checkbox"/>                  |    |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         | C4                                         |            | C5                                                     |                     | S1                                        |    |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         | <input type="checkbox"/>                   |            | <input type="checkbox"/>                               |                     | <input type="checkbox"/>                  |    |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         | S2                                         |            | S3                                                     |                     | S4                                        |    |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         | <input type="checkbox"/>                   |            | <input type="checkbox"/>                               |                     | <input type="checkbox"/>                  |    |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         | S5                                         |            |                                                        |                     |                                           |    |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         | <input type="checkbox"/>                   |            |                                                        |                     |                                           |    |
| COVER                                                                                                                                                                                                                                  |                |                                         |                   |                                                         |         |                                            |            |                                                        |                     |                                           |    |
| Total Cover: Abundant                                                                                                                                                                                                                  |                | Type: SWD                               |                   | LWD                                                     |         | B                                          |            | U                                                      |                     | DP                                        |    |
| LWD: Few                                                                                                                                                                                                                               |                | Amount: T                               |                   | T                                                       |         | D                                          |            | N                                                      |                     | S                                         |    |
| LWD Dist: Clumped                                                                                                                                                                                                                      |                | Location: P/S/O:                        |                   | <input checked="" type="checkbox"/>                     |         | <input checked="" type="checkbox"/>        |            | <input checked="" type="checkbox"/>                    |                     | <input checked="" type="checkbox"/>       |    |
|                                                                                                                                                                                                                                        |                |                                         |                   | <input type="checkbox"/>                                |         | <input type="checkbox"/>                   |            | <input type="checkbox"/>                               |                     | <input type="checkbox"/>                  |    |
| Right Bank: Shape: Sloping (g)                                                                                                                                                                                                         |                | Texture: Fines <input type="checkbox"/> |                   | Gravel <input type="checkbox"/>                         |         | Cobble <input checked="" type="checkbox"/> |            | Boulder <input checked="" type="checkbox"/>            |                     | Rock <input type="checkbox"/>             |    |
| Left Bank: Shape: Sloping (g)                                                                                                                                                                                                          |                | Texture: Fines <input type="checkbox"/> |                   | Gravel <input checked="" type="checkbox"/>              |         | Cobble <input checked="" type="checkbox"/> |            | Boulder <input type="checkbox"/>                       |                     | Rock <input type="checkbox"/>             |    |
| Right Bank: Rip.Veg: Coniferous                                                                                                                                                                                                        |                | Stage: Mature forest                    |                   |                                                         |         |                                            |            |                                                        |                     | Crown Closure                             |    |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |                | Stage: Mature forest                    |                   |                                                         |         |                                            |            |                                                        |                     | 1-20%                                     |    |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         |                                            |            | Instream Veg: None <input checked="" type="checkbox"/> |                     | Algae <input type="checkbox"/>            |    |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         |                                            |            |                                                        |                     | Moss <input type="checkbox"/>             |    |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |         |                                            |            |                                                        |                     | Vascular <input type="checkbox"/>         |    |
| FEATURES                                                                                                                                                                                                                               |                |                                         |                   |                                                         |         |                                            |            |                                                        |                     |                                           |    |
| NID Map                                                                                                                                                                                                                                | NID            | Type                                    | Hgt               | Method                                                  | Lg      | Method                                     | Photo      |                                                        |                     | AirPhoto                                  |    |
| 093M.094                                                                                                                                                                                                                               | 88029          | C                                       | 20.0              | GE                                                      | 10      | GE                                         | R:         | 3                                                      | F:                  | 11                                        | L: |
| Comments: Barrier to upstream fish migration                                                                                                                                                                                           |                |                                         |                   |                                                         |         |                                            | #:         |                                                        |                     |                                           |    |
| FISH                                                                                                                                                                                                                                   |                |                                         |                   |                                                         |         |                                            |            |                                                        |                     |                                           |    |
| Site Number                                                                                                                                                                                                                            | Capture Method | Number of Events                        | Length fished (m) | Total Time                                              | Voltage | Species                                    | Total Fish | Minimum Length (mm)                                    | Maximum Length (mm) |                                           |    |
| 29                                                                                                                                                                                                                                     | EF             | 1                                       | 500               | 908 sec                                                 | 1100    | NFC                                        | 0          |                                                        |                     |                                           |    |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-80300-00000-00000-00000-00000-00000-00000-00000

Reach # 3.0 ILP Map # ILP # Site 29

### PROJECT

Project Name: Shelagyote Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000  
Project Code: 1550

### WATERSHED

Gazetted Name: Local Name: None  
Watershed Code: 480-195700-80300-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000  
ILP Map#: ILP #: NID Map #: 093M.094 NID #: 22029 Reach #: 3.0 Site #: 29  
Field UTM (Z.E.N): .. Method: Site Lg: 500 Method: MAP Access: H  
GIS UTM (Z.E.N): 9.604527.6201537 Ref. Name:  
Date: 2001/08/08 Time: 10:00 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg   |            | Gadient % | Mtd | Avg |      |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|-----------|-----|-----|------|
| Channel Width (m): | T   | 16.00 | 20.00 | 22.00 | 15.00 | 17.00 | 18.00 |       |       |       |       | 18.00 | Method I:  | 4.0       | 5.0 | C   | 4.50 |
| Wetted Width (m):  | T   | 15.00 | 16.00 | 18.00 | 14.00 | 16.00 | 17.00 |       |       |       |       | 16.00 | Method II: | 4.0       | 5.0 | C   |      |
| Pool Depth (m):    | MS  | 0.60  | 0.59  | 0.80  | 0.60  | 0.50  | 0.75  |       |       |       |       | 0.64  |            |           |     |     |      |

Wb Depth: 1.1 1.2 1.0 Avg: 1.10 Method: GE Stage: L ☐ M ☐ H ☒ No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                                   | U                        | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | T                                   | D                                   | N                        | S                                   | T                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

LWD: F DIST: C

LB SHP: S

Texture: F ☐ G ☒ C ☒ B ☐ R ☐ A ☐

RIP: C

STG: MF

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

RB SHP: S

Texture: F ☐ G ☐ C ☒ B ☒ R ☐ A ☐

RIP: C

STG: MF

### WATER

EMS: Req #: Cond.: 40 Method: S3  
Temp: 6 Method: T4 Method: P2 Method: GE  
pH: 8.0 Method: GE  
Flood Signs: None Method: GE

### MORPHOLOGY

Bed Material: Dominant: B Subdom: C  
D95: 120.0 D (cm): 40.00 Morph: CP  
Pattern: SI  
Islands: N  
Coupling: PC  
Confinement: FC  
FSZ: ☐  
DISTURBANCE INDICATORS  
O1 B1 B2 B3 D1 D2 D3  
C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Bars: N ☐ SIDE ☒ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### FEATURES

| NID Map  | NID   | Type | Hgt  | Method | Lg | Method | Photo         | AirPhoto | UTM (Z/E/N)      | Method |
|----------|-------|------|------|--------|----|--------|---------------|----------|------------------|--------|
| 093M.094 | 88029 | C    | 20.0 | GE     | 10 | GE     | R: 3 F: 11 L: | #:       | 9.604384.6201299 | GIS    |

Comments: Barrier to upstream fish migration

### HABITAT QUALITY

| Name               | Comments                                             |
|--------------------|------------------------------------------------------|
| OverWinter Habitat | Present                                              |
| Spawning Habitat   | Poor-substrates too large                            |
| Rearing Habitat    | Moderate-good boulder/cascade habitat abundant cover |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-80300-00000-00000-00000-000-000-000-000-000

Reach #    ILP Map #    ILP #    Site  
3.0             29

| PHOTOS   |   |    |    |           |     |
|----------|---|----|----|-----------|-----|
| Photo    |   |    |    | Foc Lg    | Dir |
| R:       | 3 | F: | 11 | STD       | U   |
| R:       | 3 | F: | 12 | STD       | D   |
| R:       | 3 | F: | 13 | STD       | U   |
| COMMENTS |   |    |    |           |     |
| Section  |   |    |    | Comments  |     |
| CHANNEL  |   |    |    | S5 Stream |     |

# FDIS Fish Card

## Shelagoyte River Planning Area

Watershed Code: 480-195700-80300-00000-0000-0000-000-000-000-000-000

Reach # 3.0  
ILP Map #  
ILP #

| WATERBODY                                                    |          |         |                          |                  |          |                |                |              |         |                |               |                                    |  |              |  |
|--------------------------------------------------------------|----------|---------|--------------------------|------------------|----------|----------------|----------------|--------------|---------|----------------|---------------|------------------------------------|--|--------------|--|
| Gazetted Name:                                               |          |         |                          |                  |          |                |                |              |         | Local: None    |               |                                    |  |              |  |
| Project Code: 480-000000-00000-00000-0000-0000-000-000-000-0 |          |         |                          |                  |          |                |                |              |         |                |               |                                    |  |              |  |
| WS Code: 480-195700-80300-00000-0000-0000-000-000-000-000    |          |         |                          |                  |          |                |                |              |         |                |               |                                    |  |              |  |
| Waterbody ID:                                                |          |         |                          |                  |          |                |                |              |         | ILP Map #:     |               | ILP #:                             |  | Reach #: 3 - |  |
| Project ID: 1550                                             |          |         |                          |                  |          |                |                |              |         | Lake/Stream: S |               | Lake From Date:                    |  |              |  |
| Fish Permit #:                                               |          | 145084K |                          | Date: 2001/08/08 |          | To: 2001/08/08 |                | Agency: C172 |         | Crew: JD/EL    |               | Resample: <input type="checkbox"/> |  |              |  |
| SITE / METHOD                                                |          |         |                          |                  |          |                |                |              |         |                |               |                                    |  |              |  |
| Site#                                                        | NID Map  | NID #   | UTM:Zone/East/North/Mthd |                  |          | MTD/NO         |                | Temp         | Cond    | Turbid         | Comment       |                                    |  |              |  |
| 29                                                           | 093M.094 | 22029   |                          |                  |          | GPU            | EF 1           | 6            | 40      | C              |               |                                    |  |              |  |
| A. GEAR SETTINGS                                             |          |         |                          |                  |          |                |                |              |         |                |               |                                    |  |              |  |
| Site#                                                        | MTD/NO   | H/P     | Date In                  | Time In          | Date Out | Time Out       | Comment        |              |         |                |               |                                    |  |              |  |
| 29                                                           | EF       | 1       | 1                        | 2001/08/08       | 10:00    | 2001/08/08     | 11:00          |              |         |                |               |                                    |  |              |  |
| C. ELECTROFISHER SPECIFICATIONS                              |          |         |                          |                  |          |                |                |              |         |                |               |                                    |  |              |  |
| Site#                                                        | MTD/NO   | H/P     | Encl                     | Sec              | Length   | Width          | Voltage        | Frequency    | Pulse   | Make           | Model         |                                    |  |              |  |
| 29                                                           | EF       | 1       | 1                        | O                | 908      | 500.0          | 18.0           | 1100         | 70      | 6              | SMITH<br>ROOT | 12B                                |  |              |  |
| FISH SUMMARY                                                 |          |         |                          |                  |          |                |                |              |         |                |               |                                    |  |              |  |
| Site#                                                        | MTD/NO   | H/P     | Species                  | Stage            | Age      | Total #        | Lgth (Min/Max) | FishAct      | Comment |                |               |                                    |  |              |  |
| 29                                                           | EF       | 1       | 1                        | NFC              |          | 0              |                |              |         |                |               |                                    |  |              |  |



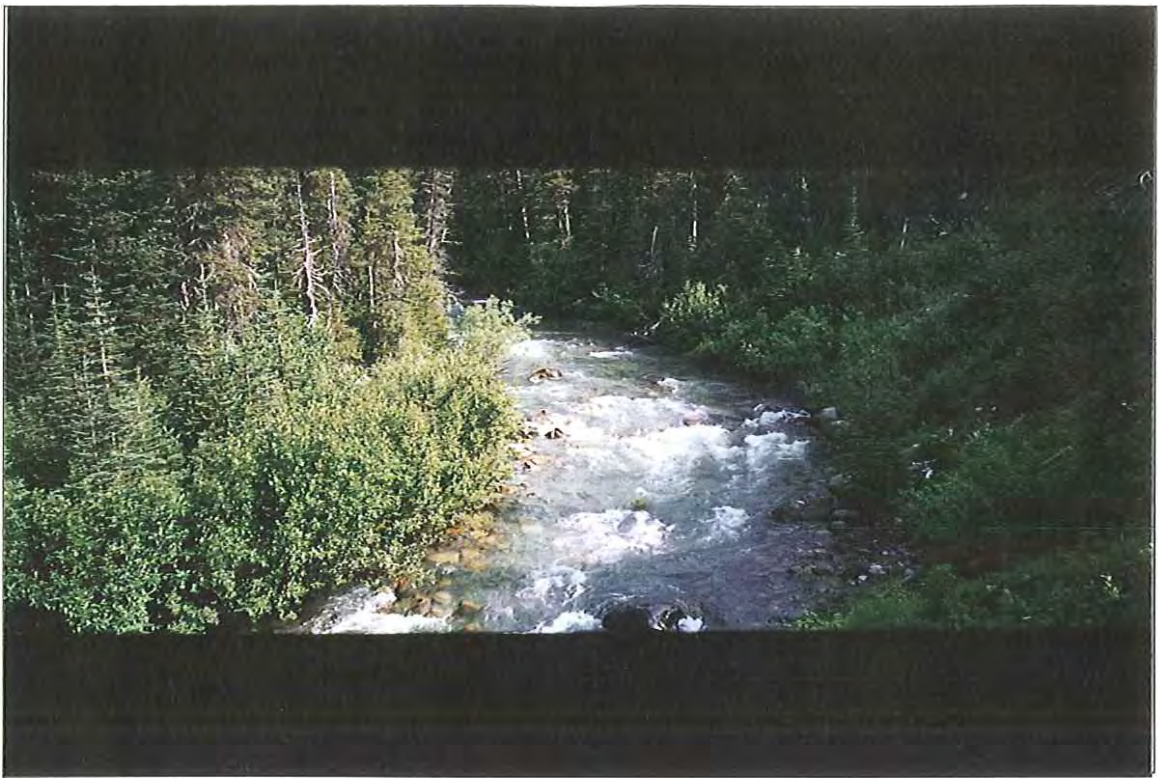


Site #29, Photo of 20 m cascades.  
Roll #3, Frame #11, Date: 2001/08/08



Site #29, Downstream photo of cascade pool habitat.  
Roll #3, Frame #12, Date: 2001/08/08





Site #29, Upstream photo of cascades and pocket water.  
Roll #3, Frame #13, Date: 2001/08/08



# FDIS Reach/Site Summary

## Shelagoyote River Planning Area

Watershed Code: 480-195700-80300-00000-0000-0000-000-000-000-000

Reach # 8.0 ILP Map # ILP #  
8.0

| STREAM REFERENCING                                                                                                                                                                                                                     |                |                                                    |                   |                                                         |             |                                          |            |                                                                             |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------|-------------------|---------------------------------------------------------|-------------|------------------------------------------|------------|-----------------------------------------------------------------------------|---------------------|
| Gazetted Name:                                                                                                                                                                                                                         |                |                                                    |                   |                                                         | Local Name: |                                          |            |                                                                             |                     |
| Watershed Code: 480-195700-80300-00000-0000-0000-000-000-000-000                                                                                                                                                                       |                |                                                    |                   |                                                         | ILP Map #:  |                                          | ILP #:     |                                                                             |                     |
| REACH                                                                                                                                                                                                                                  |                |                                                    |                   |                                                         |             |                                          |            |                                                                             |                     |
| Reach #: 8.0                                                                                                                                                                                                                           |                | UTM(Zone/East/North): 9.605768.6205620             |                   |                                                         |             | Sample Type: Random                      |            |                                                                             |                     |
| Length (km): .38                                                                                                                                                                                                                       |                | Coupling: Decoupled                                |                   | Magnitude: 33                                           |             | BGC Zone: ESSF                           |            |                                                                             |                     |
| Gradient (%): 1.1                                                                                                                                                                                                                      |                | Confinement: Unconfined                            |                   | Order: 3                                                |             | Open water: Present                      |            |                                                                             |                     |
| US Elev (m): 1101                                                                                                                                                                                                                      |                | Islands: NONE                                      |                   | Riparian Vegetation: Deciduous                          |             |                                          |            |                                                                             |                     |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                |                                                    |                   |                                                         |             |                                          |            |                                                                             |                     |
| SITE                                                                                                                                                                                                                                   |                |                                                    |                   |                                                         |             |                                          |            |                                                                             |                     |
| Site #: 30                                                                                                                                                                                                                             |                | Field UTM ..                                       |                   | Agency: C172                                            |             | Crew: JD/EL                              |            | Date: 2001/08/08                                                            |                     |
| Site Length (m): 400                                                                                                                                                                                                                   |                | GIS UTM 9.605879.6205438                           |                   | Agency Name: Triton Environmental Consultants (Terrace) |             |                                          |            |                                                                             |                     |
| CHANNEL                                                                                                                                                                                                                                |                |                                                    |                   |                                                         |             |                                          |            |                                                                             |                     |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |                | Intermittent: <input type="checkbox"/>             |                   | Avg                                                     |             | Min                                      |            | Max                                                                         |                     |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |                | Tribes.: <input type="checkbox"/>                  |                   | Channel Width (m): 10.40                                |             | 7.1                                      |            | 14                                                                          |                     |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |                |                                                    |                   | Wetted Width (m): 3.65                                  |             | 2.700                                    |            | 4.2                                                                         |                     |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |                |                                                    |                   | Bankfull Depth (m): 0.83                                |             | 0.6                                      |            | 1                                                                           |                     |
| High <input type="checkbox"/>                                                                                                                                                                                                          |                | Temp (C): 5                                        |                   | pH: 8.0                                                 |             | Conductivity: 40                         |            |                                                                             |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |             |                                          |            | Turbidity.: Turbid <input type="checkbox"/> Low <input type="checkbox"/>    |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |             |                                          |            | Moderate <input type="checkbox"/> Clear <input checked="" type="checkbox"/> |                     |
| MORPHOLOGY                                                                                                                                                                                                                             |                |                                                    |                   |                                                         |             |                                          |            |                                                                             |                     |
| Bed Material: Dominant: Cobble                                                                                                                                                                                                         |                | D95 (cm): 30.00                                    |                   | Bars: Non <input type="checkbox"/>                      |             | Side <input checked="" type="checkbox"/> |            | Diagonal <input type="checkbox"/>                                           |                     |
| Subdominant: Gravels                                                                                                                                                                                                                   |                | D (cm): 20.00                                      |                   |                                                         |             |                                          |            | Mid-channel <input type="checkbox"/>                                        |                     |
| Channel Pattern: Irregular, Wandering                                                                                                                                                                                                  |                | Islands: None                                      |                   | DISTURBANCE                                             |             | O1                                       |            | B1                                                                          |                     |
| Coupling: Decoupled                                                                                                                                                                                                                    |                |                                                    |                   | INDICATORS                                              |             | B2                                       |            | B3                                                                          |                     |
| Confinement: Occasionally Confine                                                                                                                                                                                                      |                |                                                    |                   |                                                         |             | D1                                       |            | D2                                                                          |                     |
| Morphology: RP Riffle Pool                                                                                                                                                                                                             |                |                                                    |                   |                                                         |             | D3                                       |            |                                                                             |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | C1                                                      |             | C2                                       |            | C3                                                                          |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | C4                                                      |             | C5                                       |            | S1                                                                          |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | S2                                                      |             | S3                                       |            | S4                                                                          |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | S5                                                      |             |                                          |            |                                                                             |                     |
| COVER                                                                                                                                                                                                                                  |                |                                                    |                   |                                                         |             |                                          |            |                                                                             |                     |
| Total Cover: Abundant                                                                                                                                                                                                                  |                | Type: SWD                                          |                   | LWD                                                     |             | B                                        |            | U                                                                           |                     |
| LWD: Few                                                                                                                                                                                                                               |                | Amount: T                                          |                   | T                                                       |             | N                                        |            | S                                                                           |                     |
| LWD Dist: Clumped                                                                                                                                                                                                                      |                | Location: P/S/O:                                   |                   | <input checked="" type="checkbox"/>                     |             | <input checked="" type="checkbox"/>      |            | <input checked="" type="checkbox"/>                                         |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | <input type="checkbox"/>                                |             | <input type="checkbox"/>                 |            | <input type="checkbox"/>                                                    |                     |
| Right Bank: Shape: Overhang                                                                                                                                                                                                            |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input checked="" type="checkbox"/>              |             | Cobble <input type="checkbox"/>          |            | Boulder <input type="checkbox"/>                                            |                     |
| Left Bank: Shape: Overhang                                                                                                                                                                                                             |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input checked="" type="checkbox"/>              |             | Cobble <input type="checkbox"/>          |            | Boulder <input type="checkbox"/>                                            |                     |
| Right Bank: Rip.Veg: Shrubs                                                                                                                                                                                                            |                | Stage: Shrub/herb stage                            |                   |                                                         |             |                                          |            |                                                                             |                     |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |                | Stage: Shrub/herb stage                            |                   | Instream Veg: None <input checked="" type="checkbox"/>  |             | Algae <input type="checkbox"/>           |            | Moss <input type="checkbox"/>                                               |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |             |                                          |            | Vascular <input type="checkbox"/>                                           |                     |
| FISH                                                                                                                                                                                                                                   |                |                                                    |                   |                                                         |             |                                          |            |                                                                             |                     |
| Site Number                                                                                                                                                                                                                            | Capture Method | Number of Events                                   | Length fished (m) | Total Time                                              | Voltage     | Species                                  | Total Fish | Minimum Length (mm)                                                         | Maximum Length (mm) |
| 30                                                                                                                                                                                                                                     | EF             | 1                                                  | 400               | 509 sec                                                 | 1100        | NFC                                      | 0          |                                                                             |                     |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-80300-00000-00000-00000-00000-00000-00000-00000

Reach # 8.0 ILP Map # ILP # Site 30

### PROJECT

Project Name: Shelagyote Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-000000-000000-00000-00000-00000-00000-00000-00000  
Project Code: 1550

### WATERSHED

Gazetted Name: Watershed Code: 480-195700-80300-00000-00000-00000-00000-00000-00000-00000-00000  
Local Name: None  
ILP Map #: ILP #: NID Map #: 093M.094 NID #: 22030 Reach #: 8.0 Site #: 30  
Field UTM (Z.E.N): .. Method: Site Lg: 400 Method: MAP Access: H  
GIS UTM (Z.E.N): 9.605879.6205438 Ref. Name:  
Date: 2001/08/08 Time: 11:15 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg   |            | Gadient % | Mtd | Avg |      |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|-----------|-----|-----|------|
| Channel Width (m): | T   | 10.00 | 12.00 | 14.00 | 12.00 | 7.10  | 7.30  |       |       |       |       | 10.40 | Method I:  | 3.0       | 2.0 | C   | 2.75 |
| Wetted Width (m):  | T   | 3.60  | 4.10  | 3.50  | 4.20  | 2.70  | 3.80  |       |       |       |       | 3.65  | Method II: | 4.0       | 2.0 | C   |      |
| Pool Depth (m):    | MS  | 0.90  | 0.75  | 0.62  | 0.91  | 0.68  | 0.75  |       |       |       |       | 0.77  |            |           |     |     |      |

Wb Depth: 1.0 .6 .9 Avg: 0.83 Method: MS Stage: L ☐ M ☒ H ☐ No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                        | U                                   | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | T                                   | N                        | S                                   | D                                   | S                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

LWD: F DIST: C

LB SHP: O

Texture: F ☒ G ☒ C ☐ B ☐ R ☐ A ☐

RIP: S

STG: SHR

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

RB SHP: O

Texture: F ☒ G ☒ C ☐ B ☐ R ☐ A ☐

RIP: S

STG: SHR

### WATER

EMS: Temp: 5 Method: T4 Req #: Cond.: 40 Method: S3  
pH: 8.0 Method: P2 Turb.: T ☐ M ☐ L ☐ C ☒ Method: GE  
Flood Signs: None Method: GE

### MORPHOLOGY

Bed Material: Dominant: C Subdom: G O1 B1 B2 B3 D1 D2 D3  
D95: 30.0 D (cm): 20.00 Morph: RP DISTURBANCE INDICATORS  
Pattern: IR C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: N  
Coupling: DC  
Confinement: OC  
FSZ: ☐ Bars: N ☐ SIDE ☒ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                        |
|--------------------|-------------------------------------------------|
| OverWinter Habitat | Present                                         |
| Rearing Habitat    | Moderate-lacks LWD and complexity               |
| Spawning Habitat   | High-abundant gravels, good flow, nice tailouts |

### PHOTOS

| Photo      | Foc Lg | Dir | Comments                           |
|------------|--------|-----|------------------------------------|
| R: 3 F: 14 | STD    | D   | Downstream photo of riffle habitat |
| R: 3 F: 15 | STD    | U   | Upstream photo of side bars        |



# FDIS Fish Card

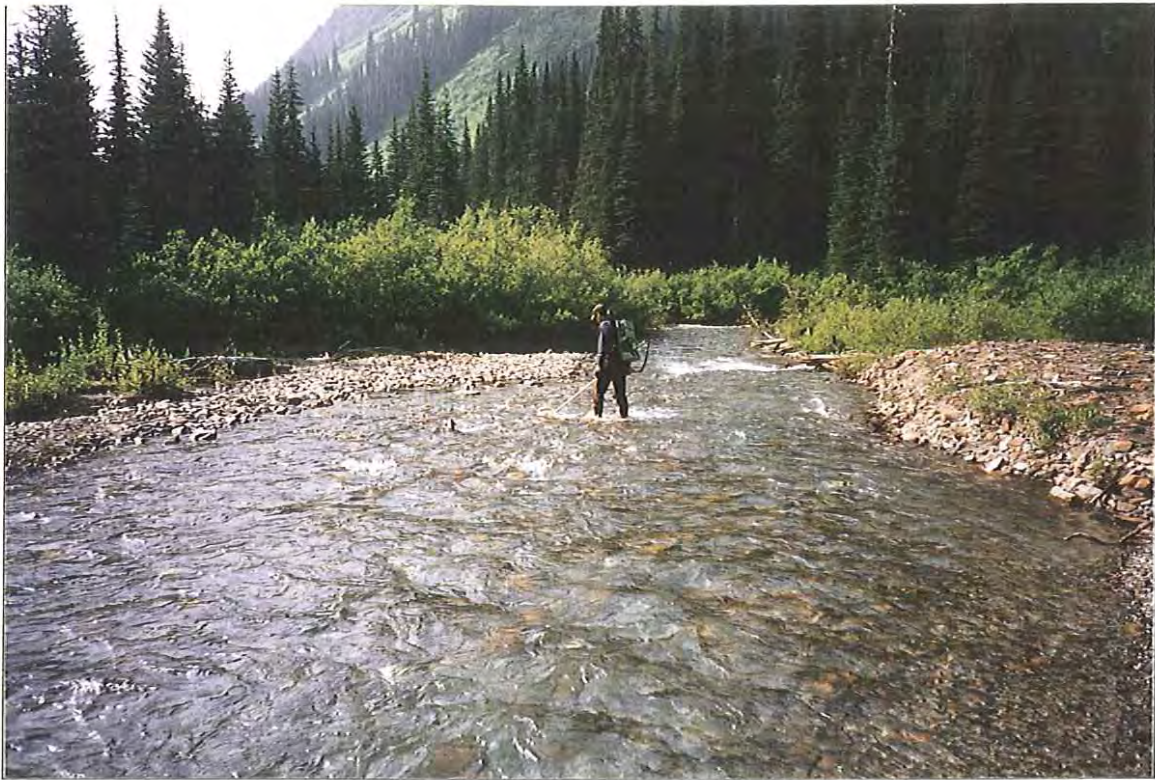
## Shelagyote River Planning Area

Watershed Code: 480-195700-80300-00000-0000-0000-000-000-000-000-000

Reach # 8.0 ILP Map # ILP #

| WATERBODY                                                     |          |       |                          |         |            |                |                |           |              |                |               |                 |                                    |              |  |
|---------------------------------------------------------------|----------|-------|--------------------------|---------|------------|----------------|----------------|-----------|--------------|----------------|---------------|-----------------|------------------------------------|--------------|--|
| Gazetted Name:                                                |          |       |                          |         |            |                |                |           |              | Local: None    |               |                 |                                    |              |  |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-0   |          |       |                          |         |            |                |                |           |              |                |               |                 |                                    |              |  |
| WS Code: 480-195700-80300-00000-0000-0000-000-000-000-000-000 |          |       |                          |         |            |                |                |           |              |                |               |                 |                                    |              |  |
| Waterbody ID:                                                 |          |       |                          |         |            |                |                |           |              | ILP Map #:     |               | ILP #:          |                                    | Reach #: 8 - |  |
| Project ID: 1550                                              |          |       |                          |         |            |                |                |           |              | Lake/Stream: S |               | Lake From Date: |                                    |              |  |
| Fish Permit #: 145084K                                        |          |       | Date: 2001/08/08         |         |            | To: 2001/08/08 |                |           | Agency: C172 |                | Crew: JD/EL   |                 | Resample: <input type="checkbox"/> |              |  |
| SITE / METHOD                                                 |          |       |                          |         |            |                |                |           |              |                |               |                 |                                    |              |  |
| Site#                                                         | NID Map  | NID # | UTM:Zone/East/North/Mthd |         |            | MTD/NO         | Temp           | Cond      | Turbid       | Comment        |               |                 |                                    |              |  |
| 30                                                            | 093M.094 | 22030 |                          |         |            | GPU EF 1       | 5              | 40        | L            |                |               |                 |                                    |              |  |
| A. GEAR SETTINGS                                              |          |       |                          |         |            |                |                |           |              |                |               |                 |                                    |              |  |
| Site#                                                         | MTD/NO   | H/P   | Date In                  | Time In | Date Out   | Time Out       | Comment        |           |              |                |               |                 |                                    |              |  |
| 30                                                            | EF       | 1     | 2001/08/08               | 11:15   | 2001/08/08 | 12:10          |                |           |              |                |               |                 |                                    |              |  |
| C. ELECTROFISHER SPECIFICATIONS                               |          |       |                          |         |            |                |                |           |              |                |               |                 |                                    |              |  |
| Site#                                                         | MTD/NO   | H/P   | Encl                     | Sec     | Length     | Width          | Voltage        | Frequency | Pulse        | Make           | Model         |                 |                                    |              |  |
| 30                                                            | EF       | 1     | 1                        | O       | 509        | 400.0          | 3.0            | 1100      | 70           | 6              | SMITH<br>ROOT | 12B             |                                    |              |  |
| FISH SUMMARY                                                  |          |       |                          |         |            |                |                |           |              |                |               |                 |                                    |              |  |
| Site#                                                         | MTD/NO   | H/P   | Species                  | Stage   | Age        | Total #        | Lgth (Min/Max) | FishAct   | Comment      |                |               |                 |                                    |              |  |
| 30                                                            | EF       | 1     | 1                        | NFC     |            | 0              |                |           |              |                |               |                 |                                    |              |  |





Site #30, Downstream photo of riffle habitat.  
Roll #3, Frame #14, Date: 2001/08/08



Site #30, Upstream photo of side bars.  
Roll #3, Frame #15, Date: 2001/08/08



## Shelagyote River Planning Area

| Reach # | ILP Map # | ILP # |
|---------|-----------|-------|
|---------|-----------|-------|

4.0

|                                                                             |                                 |
|-----------------------------------------------------------------------------|---------------------------------|
| <b>Gazetted Name:</b>                                                       | <b>Local Name:</b>              |
| <b>Watershed Code:</b> 480-195700-78000-00000-0000-0000-000-000-000-000-000 | <b>ILP Map #:</b> <b>ILP #:</b> |

|                                                                                                                                                                                                                                        |                                        |                                |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------|---------------------|
| Reach #: 4.0                                                                                                                                                                                                                           | UTM(Zone/East/North): 9.605140.6199920 |                                | Sample Type: Biased |
| Length (km): .19                                                                                                                                                                                                                       | Coupling: Decoupled                    | Magnitude: 6                   | BGC Zone: SBS       |
| Gradient (%): 0.5                                                                                                                                                                                                                      | Confinement: Unconfined                | Order: 3                       | Open water: Absent  |
| US Elev (m): 976                                                                                                                                                                                                                       | Islands: NONE                          | Riparian Vegetation: Deciduous |                     |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                                        |                                |                     |

|                      |                         |                                                         |             |                  |
|----------------------|-------------------------|---------------------------------------------------------|-------------|------------------|
| Site #: 31           | Field UTM ..            | Agency: C172                                            | Crew: JD/EL | Date: 2001/08/08 |
| Site Length (m): 100 | GIS UTM9.605183.6199807 | Agency Name: Triton Environmental Consultants (Terrace) |             |                  |

|                                         |                                        |                  |                     |      |       |     |   |                                                                             |      |       |      |   |
|-----------------------------------------|----------------------------------------|------------------|---------------------|------|-------|-----|---|-----------------------------------------------------------------------------|------|-------|------|---|
| No Vis.Ch.: <input type="checkbox"/>    | Intermittent: <input type="checkbox"/> |                  | Avg                 | Min  | Max   | #   |   | Avg                                                                         | Min  | Max   | #    |   |
| Dewatered: <input type="checkbox"/>     | Tribs.: <input type="checkbox"/>       |                  | Channel Width (m):  | 2.20 | 1.9   | 2.6 | 6 | Gradient %:                                                                 | 5.00 | 6     | 4    |   |
| Stage: Low <input type="checkbox"/>     |                                        |                  | Wetted Width (m):   | 1.83 | 1.700 | 2   | 6 | Pool Depth (m):                                                             | 0.39 | 0.310 | 0.52 | 6 |
| Med <input checked="" type="checkbox"/> |                                        |                  | Bankfull Depth (m): | 0.43 | 0.4   | 0.5 | 3 |                                                                             |      |       |      |   |
| High <input type="checkbox"/>           | Temp (C): 8                            | pH: 7.8          |                     |      |       |     |   | Turbidity.: Turbid <input type="checkbox"/> Low <input type="checkbox"/>    |      |       |      |   |
|                                         |                                        | Conductivity: 40 |                     |      |       |     |   | Moderate <input type="checkbox"/> Clear <input checked="" type="checkbox"/> |      |       |      |   |

[illegible]

|                       |                 |                                                    |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                               |
|-----------------------|-----------------|----------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------|
| Total Cover: Abundant |                 | Type:                                              | SWD                                                                                   | LWD                                                                                   | B                                                                                     | U                                                                                     | DP                                                                                    | OV                                                                                    | IV                                                                                    |                               |
| LWD: Few              |                 | Amount:                                            | T                                                                                     | T                                                                                     | T                                                                                     | S                                                                                     | T                                                                                     | D                                                                                     | T                                                                                     |                               |
| LWD Dist: Clumped     |                 | Location: P/S/O:                                   | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | FSZ: <input type="checkbox"/> |
| Right Bank:           | Shape: Overhang | Texture: Fines <input checked="" type="checkbox"/> | Gravel <input type="checkbox"/>                                                       | Cobble <input type="checkbox"/>                                                       | Boulder <input type="checkbox"/>                                                      | Rock <input type="checkbox"/>                                                         | Manmade <input type="checkbox"/>                                                      | Crown Closure                                                                         |                                                                                       |                               |
| Left Bank:            | Shape: Overhang | Texture: Fines <input checked="" type="checkbox"/> | Gravel <input type="checkbox"/>                                                       | Cobble <input type="checkbox"/>                                                       | Boulder <input type="checkbox"/>                                                      | Rock <input type="checkbox"/>                                                         | Manmade <input type="checkbox"/>                                                      | 1-20%                                                                                 |                                                                                       |                               |
| Right Bank:           | Rip.Veg: Shrubs | Stage: Shrub/herb stage                            |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                               |
| Left Bank:            | Rip.Veg:        | Stage: Shrub/herb stage                            |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                               |
| Instream Veg:         |                 |                                                    |                                                                                       |                                                                                       |                                                                                       | None <input type="checkbox"/>                                                         | Algae <input type="checkbox"/>                                                        | Moss <input type="checkbox"/>                                                         | Vascular <input checked="" type="checkbox"/>                                          |                               |

| Site Number | Capture Method | Number of Events | Length fished (m) | Total Time | Voltage | Species | Total Fish | Minimum Length (mm) | Maximum Length (mm) |
|-------------|----------------|------------------|-------------------|------------|---------|---------|------------|---------------------|---------------------|
| 31          | EF             | 1                | 100               | 98 sec     | 900     | DV      | 6          | 62                  | 91                  |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-78000-00000-0000-0000-0000-0000-0000-0000

Reach # 4.0 ILP Map # ILP # 1550 Site 31

### PROJECT

Project Name: Shelagyote Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-0000-0000-0000-0000-0000-0000-0000-0000  
Project Code: 1550

### WATERSHED

Gazetted Name: Local Name: None  
Watershed Code: 480-195700-78000-00000-00000-0000-0000-0000-0000-0000-0000-0000  
ILP Map#: ILP #: NID Map #: 093M.094 NID #: 22031 Reach #: 4.0 Site #: 31  
Field UTM (Z.E.N.): .. Method: Site Lg: 100 Method: HC Access: H  
GIS UTM (Z.E.N.): 9.605183.6199807 Ref. Name:  
Date: 2001/08/08 Time: 12:20 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |           | Gadient %  |     | Mtd | Avg  |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|------------|-----|-----|------|
| Channel Width (m): | MS  | 2.30  | 2.10  | 2.60  | 1.90  | 2.30  | 2.00  |       |       |       |       | 2.20 | Method I: | 5.0        | 6.0 | C   | 5.00 |
| Wetted Width (m):  | MS  | 1.90  | 1.80  | 1.90  | 1.70  | 2.00  | 1.70  |       |       |       |       | 1.83 |           | Method II: | 4.0 | 5.0 |      |
| Pool Depth (m):    | MS  | 0.41  | 0.52  | 0.36  | 0.32  | 0.31  | 0.40  |       |       |       |       | 0.39 |           |            |     |     |      |

Wb Depth: .4 .5 .4 Avg: 0.43 Method: MS Stage: L ☐ M ☒ H ☐ No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                                   | U                                   | DP                                  | OV                                  | IV                                  |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Amount:     | T                                   | T                                   | T                                   | S                                   | T                                   | D                                   | T                                   |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☐ A ☐ M ☐ V ☒

LWD: F DIST: C

LB SHP: O

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: S

STG: SHR

RB SHP: O

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: S

STG: SHR

### WATER

EMS: Temp: 8 Method: T4 Req #: Cond.: 40 Method: S3  
pH: 7.8 Method: P2 Turb.: T ☐ M ☐ L ☐ C ☒ Method: GE  
Flood Signs: None Method: GE

### MORPHOLOGY

Bed Material: Dominant: C Subdom: F O1 B1 B2 B3 D1 D2 D3  
D95: 40.0 D (cm): 5.00 Morph: RP DISTURBANCE INDICATORS  
Pattern: IR C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: N  
Coupling: DC  
Confinement: UN  
FSZ: ☐ Bars: N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                 |
|--------------------|------------------------------------------|
| OverWinter Habitat | Present in upstream lake                 |
| Rearing Habitat    | Moderate-abundant cover, pools and LWD   |
| Spawning Habitat   | Poor-large substrates, slow water, fines |

### PHOTOS

| Photo      | Foc Lg | Dir | Comments                           |
|------------|--------|-----|------------------------------------|
| R: 3 F: 16 | STD    | U   | Upstream photo of pool habitat     |
| R: 3 F: 17 | STD    | D   | Downstream photo of riffle habitat |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-78000-00000-0000-0000-000-000-000-000-000

|         |           |       |      |
|---------|-----------|-------|------|
| Reach # | ILP Map # | ILP # | Site |
| 4.0     |           |       | 31   |

| COMMENTS |             |
|----------|-------------|
| Section  | Comments    |
| CHANNEL  | DV captured |
| CHANNEL  | S3 Stream   |

## Shelagyote River Planning Area

| Reach # | ILP Map # | ILP # |
|---------|-----------|-------|
| 4.0     |           |       |

| <b>WATERBODY</b>                                            |          |       |                         |                  |          |            |                |                |                |        |               |                 |        |         |  |             |  |  |  |                                    |  |
|-------------------------------------------------------------|----------|-------|-------------------------|------------------|----------|------------|----------------|----------------|----------------|--------|---------------|-----------------|--------|---------|--|-------------|--|--|--|------------------------------------|--|
| Gazetted Name:                                              |          |       |                         |                  |          |            |                |                | Local: None    |        |               |                 |        |         |  |             |  |  |  |                                    |  |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-0 |          |       |                         |                  |          |            |                |                |                |        |               |                 |        |         |  |             |  |  |  |                                    |  |
| WS Code: 480-195700-78000-00000-0000-000-000-000-000-000-0  |          |       |                         |                  |          |            |                |                |                |        |               |                 |        |         |  |             |  |  |  |                                    |  |
| Waterbody ID:                                               |          |       |                         |                  |          | ILP Map #: |                |                | ILP #:         |        |               | Reach #: 4 -    |        |         |  |             |  |  |  |                                    |  |
| Project ID: 1550                                            |          |       |                         |                  |          |            |                |                | Lake/Stream: S |        |               | Lake From Date: |        |         |  |             |  |  |  |                                    |  |
| Fish Permit #: 145084K                                      |          |       |                         | Date: 2001/08/08 |          |            |                | To: 2001/08/08 |                |        |               | Agency: C172    |        |         |  | Crew: JD/EL |  |  |  | Resample: <input type="checkbox"/> |  |
| <b>SITE / METHOD</b>                                        |          |       |                         |                  |          |            |                |                |                |        |               |                 |        |         |  |             |  |  |  |                                    |  |
| Site#                                                       | NID Map  | NID # | UTM:Zone/East/North/Mhd |                  |          | MTD/NO     |                | Temp           | Cond           | Turbid | Comment       |                 |        |         |  |             |  |  |  |                                    |  |
| 31                                                          | 093M.094 | 22031 |                         |                  |          | GPU        | EF             | 1              | 8              | 40     | C             |                 |        |         |  |             |  |  |  |                                    |  |
| <b>A. GEAR SETTINGS</b>                                     |          |       |                         |                  |          |            |                |                |                |        |               |                 |        |         |  |             |  |  |  |                                    |  |
| Site#                                                       | MTD/NO   | H/P   | Date In                 | Time In          | Date Out | Time Out   | Comment        |                |                |        |               |                 |        |         |  |             |  |  |  |                                    |  |
| 31                                                          | EF       | 1     | 1                       | 2001/08/08       | 12:20    | 2001/08/08 | 12:45          |                |                |        |               |                 |        |         |  |             |  |  |  |                                    |  |
| <b>C. ELECTROFISHER SPECIFICATIONS</b>                      |          |       |                         |                  |          |            |                |                |                |        |               |                 |        |         |  |             |  |  |  |                                    |  |
| Site#                                                       | MTD/NO   | H/P   | Encl                    | Sec              | Length   | Width      | Voltage        | Frequency      | Pulse          | Make   | Model         |                 |        |         |  |             |  |  |  |                                    |  |
| 31                                                          | EF       | 1     | 1                       | O                | 98       | 100.0      | 1.8            | 900            | 70             | 6      | SMITH<br>ROOT | 12B             |        |         |  |             |  |  |  |                                    |  |
| <b>FISH SUMMARY</b>                                         |          |       |                         |                  |          |            |                |                |                |        |               |                 |        |         |  |             |  |  |  |                                    |  |
| Site#                                                       | MTD/NO   | H/P   | Species                 | Stage            | Age      | Total #    | Lgth (Min/Max) | FishAct        | Comment        |        |               |                 |        |         |  |             |  |  |  |                                    |  |
| 31                                                          | EF       | 1     | 1                       | DV               | J        | 6          | 62    91       | R              |                |        |               |                 |        |         |  |             |  |  |  |                                    |  |
| <b>INDIVIDUAL FISH DATA</b>                                 |          |       |                         |                  |          |            |                |                |                |        |               |                 |        |         |  |             |  |  |  |                                    |  |
| Site#                                                       | MTD/NO   | H/P   | Species                 | Length           | Weight   | Sex        | Mat            | Age            |                | Vch#   | Genetic       | Roll #          | Frame# | Comment |  |             |  |  |  |                                    |  |
|                                                             |          |       |                         |                  |          |            |                | Str/Smpl#      | #Age           |        | Str/Smpl#     |                 |        |         |  |             |  |  |  |                                    |  |
| 31                                                          | EF       | 1     | 1                       | DV               | 74       |            | U              | U              |                |        |               |                 |        |         |  |             |  |  |  |                                    |  |
| 31                                                          | EF       | 1     | 1                       | DV               | 78       |            | U              | U              |                |        |               |                 |        |         |  |             |  |  |  |                                    |  |
| 31                                                          | EF       | 1     | 1                       | DV               | 62       |            | U              | U              |                |        |               |                 |        |         |  |             |  |  |  |                                    |  |
| 31                                                          | EF       | 1     | 1                       | DV               | 66       |            | U              | U              |                |        |               |                 |        |         |  |             |  |  |  |                                    |  |
| 31                                                          | EF       | 1     | 1                       | DV               | 85       |            | U              | U              |                |        |               |                 |        |         |  |             |  |  |  |                                    |  |
| 31                                                          | EF       | 1     | 1                       | DV               | 91       |            | U              | U              |                |        |               |                 |        |         |  |             |  |  |  |                                    |  |





Site #31, Upstream photo of pool habitat.  
Roll #3, Frame #16, Date: 2001/08/08



Site #31, Downstream photo of riffle habitat.  
Roll #3, Frame #17, Date: 2001/08/08



## Shelagyote River Planning Area

| Reach # | ILP Map # | ILP # |
|---------|-----------|-------|
| 1.0     |           |       |

|                                                                             |                                 |
|-----------------------------------------------------------------------------|---------------------------------|
| <b>Gazetted Name:</b>                                                       | <b>Local Name:</b>              |
| <b>Watershed Code:</b> 480-195700-78000-13700-0000-0000-000-000-000-000-000 | <b>ILP Map #:</b> <b>ILP #:</b> |

|                                                                                                                                                                                                                                        |                                        |                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------|
| Reach #: 1.0                                                                                                                                                                                                                           | UTM(Zone/East/North): 9.606100.6199571 | Sample Type: Random             |
| Length (km): 1.36                                                                                                                                                                                                                      | Coupling: Partially Couple             | Magnitude: 11                   |
| Gradient (%): 6.9                                                                                                                                                                                                                      | Confinement: Occasionally Conf         | Order: 3                        |
| US Elev (m): 1010                                                                                                                                                                                                                      | Islands: NONE                          | Riparian Vegetation: Coniferous |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                                        | BGC Zone: SBS                   |
|                                                                                                                                                                                                                                        |                                        | Open water: Absent              |

|                      |                          |                                                         |             |                  |
|----------------------|--------------------------|---------------------------------------------------------|-------------|------------------|
| Site #: 32           | Field UTM ..             | Agency: C172                                            | Crew: JD/EL | Date: 2001/08/08 |
| Site Length (m): 100 | GIS UTM 9.605934.6199394 | Agency Name: Triton Environmental Consultants (Terrace) |             |                  |

|                                         |                                        |                     |                  |     |       |     |                                            |                                           |       |      |
|-----------------------------------------|----------------------------------------|---------------------|------------------|-----|-------|-----|--------------------------------------------|-------------------------------------------|-------|------|
| No Vis.Ch.: <input type="checkbox"/>    | Intermittent: <input type="checkbox"/> | Avg                 | Min              | Max | #     | Avg | Min                                        | Max                                       | #     |      |
| Dewatered: <input type="checkbox"/>     | Tribs.: <input type="checkbox"/>       | Channel Width (m):  | 2.52             | 2.1 | 2.900 | 6   | Gradient %:                                | 5.25                                      | 6     | 4    |
| Stage: Low <input type="checkbox"/>     |                                        | Wetted Width (m):   | 1.58             | 1.4 | 1.8   | 6   | Pool Depth (m):                            | 0.42                                      | 0.340 | 0.51 |
| Med <input checked="" type="checkbox"/> |                                        | Bankfull Depth (m): | 0.47             | 0.4 | 0.5   | 3   |                                            |                                           |       |      |
| High <input type="checkbox"/>           | Temp (C): 6                            | pH: 8.0             | Conductivity: 40 |     |       |     | Turbidity: Turbid <input type="checkbox"/> | Low <input type="checkbox"/>              |       |      |
|                                         |                                        |                     |                  |     |       |     | Moderate <input type="checkbox"/>          | Clear <input checked="" type="checkbox"/> |       |      |

[illegible]

|                       |                     |                  |                                                                                       |                                                                                       |                                                                            |                                                                                       |                                                                                       |                                                                                       |                                                                            |                                   |
|-----------------------|---------------------|------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------|
| Total Cover: Abundant |                     | Type:            | SWD                                                                                   | LWD                                                                                   | B                                                                          | U                                                                                     | DP                                                                                    | OV                                                                                    | IV                                                                         |                                   |
| LWD: Few              |                     | Amount:          | T                                                                                     | D                                                                                     | N                                                                          | S                                                                                     | S                                                                                     | T                                                                                     | N                                                                          |                                   |
| LWD Dist: Clumped     |                     | Location: P/S/O: | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | FSZ: <input type="checkbox"/>     |
| Right Bank:           | Shape: Overhang     | Texture: Fines   | <input checked="" type="checkbox"/>                                                   | Gravel <input type="checkbox"/>                                                       | Cobble <input type="checkbox"/>                                            | Boulder <input type="checkbox"/>                                                      | Rock <input type="checkbox"/>                                                         | Manmade <input type="checkbox"/>                                                      |                                                                            | Crown Closure                     |
| Left Bank:            | Shape: Overhang     | Texture: Fines   | <input checked="" type="checkbox"/>                                                   | Gravel <input type="checkbox"/>                                                       | Cobble <input type="checkbox"/>                                            | Boulder <input type="checkbox"/>                                                      | Rock <input type="checkbox"/>                                                         | Manmade <input type="checkbox"/>                                                      |                                                                            | 1-20%                             |
| Right Bank:           | Rip.Veg: Coniferous |                  |                                                                                       | Stage: Mature forest                                                                  |                                                                            |                                                                                       |                                                                                       |                                                                                       |                                                                            |                                   |
| Left Bank:            | Rip.Veg:            |                  |                                                                                       | Stage: Mature forest                                                                  |                                                                            |                                                                                       | Instream Veg: None <input checked="" type="checkbox"/>                                | Algae <input type="checkbox"/>                                                        | Moss <input type="checkbox"/>                                              | Vascular <input type="checkbox"/> |

| Site Number | Capture Method | Number of Events | Length fished (m) | Total Time | Voltage | Species | Total Fish | Minimum Length (mm) | Maximum Length (mm) |
|-------------|----------------|------------------|-------------------|------------|---------|---------|------------|---------------------|---------------------|
| 32          | EF             | 1                | 100               | 129 sec    | 900     | DV      | 12         | 68                  | 95                  |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-78000-13700-0000-0000-000-000-000-000

Reach # 1.0 ILP Map # ILP # Site 32

### PROJECT

Project Name: Shelagyote Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000  
Project Code: 1550

### WATERSHED

Gazetted Name: Watershed Code: 480-195700-78000-13700-0000-0000-000-000-000-000-000  
Local Name: None  
ILP Map#: ILP #: NID Map #: 093M.094 NID #: 22032 Reach #: 1.0 Site #: 32  
Field UTM (Z.E.N): .. Method: Site Lg: 100 Method: HC Access: H  
GIS UTM (Z.E.N): 9.605934.6199394 Ref. Name:  
Date: 2001/08/08 Time: 13:00 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |            | Gadient % |     | Mtd | Avg  |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------------|-----------|-----|-----|------|
| Channel Width (m): | MS  | 2.40  | 2.60  | 2.10  | 2.80  | 2.90  | 2.30  |       |       |       |       | 2.52 | Method I:  | 5.0       | 6.0 | C   | 5.25 |
| Wetted Width (m):  | MS  | 1.60  | 1.80  | 1.40  | 1.40  | 1.80  | 1.50  |       |       |       |       | 1.58 | Method II: | 4.0       | 6.0 | C   |      |
| Pool Depth (m):    | MS  | 0.40  | 0.51  | 0.42  | 0.36  | 0.34  | 0.48  |       |       |       |       | 0.42 |            |           |     |     |      |

Wb Depth: .5 .4 .5 Avg: 0.47 Method: MS Stage: L ☐ M ☒ H ☐ No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribes: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                        | U                                   | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | D                                   | N                        | S                                   | S                                   | T                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

LWD: F DIST: C

LB SHP: O

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: C

STG: MF

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

RB SHP: O

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: C

STG: MF

### WATER

EMS: Temp: 6 Method: T4 Req #: Cond.: 40 Method: S3  
pH: 8.0 Method: P2 Turb.: T ☐ M ☐ L ☐ C ☒ Method: GE  
Flood Signs: None Method: GE

### MORPHOLOGY

Bed Material: Dominant: G Subdom: C  
D95: 40.0 D (cm): 18.00 Morph: CP  
Pattern: SI  
Islands: N  
Coupling: PC  
Confinement: FC  
FSZ: ☐  
DISTURBANCE INDICATORS  
O1 B1 B2 B3 D1 D2 D3  
☐ ☐ ☐ ☐ ☐ ☐ ☐  
C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐  
Bars: N ☐ SIDE ☒ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                              |
|--------------------|-------------------------------------------------------|
| OverWinter Habitat | Present                                               |
| Spawning Habitat   | Moderate-gravels and flow adequate for resident trout |
| Rearing Habitat    | Moderate-LWD, deep pools, good substrates, and flow   |

### PHOTOS

| Photo      | Foc Lg | Dir | Comments                         |
|------------|--------|-----|----------------------------------|
| R: 3 F: 18 | STD    | U   | Upstream photo of riffle habitat |
| R: 3 F: 19 | STD    | D   | Downstream photo of LWD          |

# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-78000-13700-0000-0000-000-000-000-000-000

Reach #

ILP Map #

ILP #

Site

1.0

32

### COMMENTS

| Section | Comments    |
|---------|-------------|
| CHANNEL | DV captured |
| CHANNEL | S3 Stream   |



## Shelagyote River Planning Area

| Reach # | ILP Map # | ILP # |
|---------|-----------|-------|
| 1.0     |           |       |

[illegible]





Site #32, Upstream photo of riffle habitat.  
Roll #3, Frame #18, Date: 2001/08/08



Site #32, Downstream photo of LWD.  
Roll #3, Frame #19, Date: 2001/08/08



## Shelagyote River Planning Area

| Reach # | ILP Map # | ILP # |
|---------|-----------|-------|
| 3.0     |           |       |

| STREAM REFERENCING                                                                                                                                                                                                                     |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
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| Gazetted Name:                                                                                                                                                                                                                         |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Local Name:              |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Watershed Code: 480-195700-75300-00000-0000-000-000-000-000-000                                                                                                                                                                        |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ILP Map #:               |                                                                                                                                                         | ILP #:                              |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| REACH                                                                                                                                                                                                                                  |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Reach #: 3.0                                                                                                                                                                                                                           |                                     | UTM(Zone/East/North): 9.605543.6197079                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          | Sample Type: Random                                                                                                                                     |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Length (km): .33                                                                                                                                                                                                                       |                                     | Coupling: Decoupled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          | Magnitude: 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                          | BGC Zone: SBS                                                                                                                                           |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Gradient (%): 7.6                                                                                                                                                                                                                      |                                     | Confinement: Occasionally Conf                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                          | Order: 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          | Open water: Absent                                                                                                                                      |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| US Elev (m): 904                                                                                                                                                                                                                       |                                     | Islands: NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          | Riparian Vegetation: Deciduous                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| SITE                                                                                                                                                                                                                                   |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Site #: 33                                                                                                                                                                                                                             |                                     | Field UTM ..                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          | Agency: C172                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                          | Crew: JD/EL                                                                                                                                             |                                     | Date: 2001/08/08                         |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Site Length (m): 100                                                                                                                                                                                                                   |                                     | GIS UTM 9.605680.6196838                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                          | Agency Name: Triton Environmental Consultants (Terrace)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| CHANNEL                                                                                                                                                                                                                                |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |                                     | Intermittent: <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <th>Avg</th> <th>Min</th> <th>Max</th> <th>#</th> </tr> <tr> <td>Channel Width (m):</td> <td>1.42</td> <td>1.3</td> <td>1.600</td> <td>6</td> </tr> <tr> <td>Wetted Width (m):</td> <td>0.92</td> <td>0.7</td> <td>1.100</td> <td>6</td> </tr> <tr> <td>Bankfull Depth (m):</td> <td>0.43</td> <td>0.4</td> <td>0.5</td> <td>3</td> </tr> </table>                                                                                                                                                                                                                                                                                                                                       |                          | Avg                                                                                                                                                     | Min                                 | Max                                      | #                   | Channel Width (m): | 1.42 | 1.3 | 1.600 | 6  | Wetted Width (m): | 0.92 | 0.7                      | 1.100                    | 6                        | Bankfull Depth (m):      | 0.43                     | 0.4                      | 0.5                      | 3  | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <th>Avg</th> <th>Min</th> <th>Max</th> <th>#</th> </tr> <tr> <td>Gradient %:</td> <td>3.75</td> <td>3</td> <td>4</td> <td>4</td> </tr> <tr> <td>Pool Depth (m):</td> <td>0.23</td> <td>0.150</td> <td>0.300</td> <td>6</td> </tr> </table> |                  |                                     |                                     | Avg                      | Min                                 | Max                      | #                                   | Gradient %:                         | 3.75                     | 3                        | 4                        | 4                        | Pool Depth (m): | 0.23 | 0.150 | 0.300 | 6 |
| Avg                                                                                                                                                                                                                                    | Min                                 | Max                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | #                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Channel Width (m):                                                                                                                                                                                                                     | 1.42                                | 1.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.600                    | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Wetted Width (m):                                                                                                                                                                                                                      | 0.92                                | 0.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.100                    | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Bankfull Depth (m):                                                                                                                                                                                                                    | 0.43                                | 0.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.5                      | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Avg                                                                                                                                                                                                                                    | Min                                 | Max                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | #                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Gradient %:                                                                                                                                                                                                                            | 3.75                                | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4                        | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Pool Depth (m):                                                                                                                                                                                                                        | 0.23                                | 0.150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.300                    | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |                                     | Tribes.: <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          | Turbidity.: Turbid <input type="checkbox"/> Low <input type="checkbox"/><br>Moderate <input type="checkbox"/> Clear <input checked="" type="checkbox"/> |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |                                     | Temp (C): 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          | pH: 7.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          | Conductivity: 50                                                                                                                                        |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| High <input type="checkbox"/>                                                                                                                                                                                                          |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| MORPHOLOGY                                                                                                                                                                                                                             |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Bed Material: Dominant: Gravels                                                                                                                                                                                                        |                                     | D95 (cm): 20.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          | Bars: Non <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Subdominant: Cobble                                                                                                                                                                                                                    |                                     | D (cm): 5.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          | Braid <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Channel Pattern: Irregular, Wandering                                                                                                                                                                                                  |                                     | Islands: None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          | DISTURBANCE INDICATORS<br><table style="width:100%; text-align: center;"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> </table> |                          |                                                                                                                                                         |                                     |                                          |                     | O1                 | B1   | B2  | B3    | D1 | D2                | D3   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | C1 | C2                                                                                                                                                                                                                                                                                                                           | C3               | C4                                  | C5                                  | S1                       | S2                                  | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                 |      |       |       |   |
| O1                                                                                                                                                                                                                                     | B1                                  | B2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | B3                       | D1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | D2                       | D3                                                                                                                                                      |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| <input type="checkbox"/>                                                                                                                                                                                                               | <input type="checkbox"/>            | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <input type="checkbox"/> | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> | <input type="checkbox"/>                                                                                                                                |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| C1                                                                                                                                                                                                                                     | C2                                  | C3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | C4                       | C5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | S1                       | S2                                                                                                                                                      |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| <input type="checkbox"/>                                                                                                                                                                                                               | <input type="checkbox"/>            | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <input type="checkbox"/> | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> | <input type="checkbox"/>                                                                                                                                |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Coupling: Partially Coupled                                                                                                                                                                                                            |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Confinement: Frequently Confined                                                                                                                                                                                                       |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Morphology: RP Riffle Pool                                                                                                                                                                                                             |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| COVER                                                                                                                                                                                                                                  |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Total Cover: Abundant                                                                                                                                                                                                                  |                                     | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <th>Type:</th> <th>SWD</th> <th>LWD</th> <th>B</th> <th>U</th> <th>DP</th> <th>OV</th> <th>IV</th> </tr> <tr> <th>Amount:</th> <td>T</td> <td>S</td> <td>N</td> <td>D</td> <td>N</td> <td>T</td> <td>T</td> </tr> <tr> <th>Location: P/S/O:</th> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table> |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                         |                                     |                                          |                     | Type:              | SWD  | LWD | B     | U  | DP                | OV   | IV                       | Amount:                  | T                        | S                        | N                        | D                        | N                        | T  | T                                                                                                                                                                                                                                                                                                                            | Location: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                          |                          |                          |                          |                 |      |       |       |   |
| Type:                                                                                                                                                                                                                                  | SWD                                 | LWD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | B                        | U                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DP                       | OV                                                                                                                                                      | IV                                  |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Amount:                                                                                                                                                                                                                                | T                                   | S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | N                        | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | N                        | T                                                                                                                                                       | T                                   |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Location: P/S/O:                                                                                                                                                                                                                       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/> | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <input type="checkbox"/> | <input checked="" type="checkbox"/>                                                                                                                     | <input checked="" type="checkbox"/> |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| LWD: Few                                                                                                                                                                                                                               |                                     | FSZ: <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| LWD Dist: Evenly Distributed                                                                                                                                                                                                           |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Right Bank: Shape: Overhang                                                                                                                                                                                                            |                                     | Texture: Fines <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          | Gravel <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          | Cobble <input type="checkbox"/>                                                                                                                         |                                     | Boulder <input type="checkbox"/>         |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Left Bank: Shape: Overhang                                                                                                                                                                                                             |                                     | Texture: Fines <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          | Gravel <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          | Cobble <input type="checkbox"/>                                                                                                                         |                                     | Boulder <input type="checkbox"/>         |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Right Bank: Rip.Veg: Coniferous                                                                                                                                                                                                        |                                     | Stage: Mature forest                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          | Rock <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          | Manmade <input type="checkbox"/>                                                                                                                        |                                     | Crown Closure 1-20%                      |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |                                     | Stage: Mature forest                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          | Instream Veg: None <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          | Algae <input type="checkbox"/>                                                                                                                          |                                     | Moss <input checked="" type="checkbox"/> |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
|                                                                                                                                                                                                                                        |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                         |                                     | Vascular <input type="checkbox"/>        |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| FISH                                                                                                                                                                                                                                   |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                                                         |                                     |                                          |                     |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| Site Number                                                                                                                                                                                                                            | Capture Method                      | Number of Events                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Length fished (m)        | Total Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Voltage                  | Species                                                                                                                                                 | Total Fish                          | Minimum Length (mm)                      | Maximum Length (mm) |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |
| 33                                                                                                                                                                                                                                     | EF                                  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 100                      | 116 sec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 600                      | DV                                                                                                                                                      | 17                                  | 59                                       | 88                  |                    |      |     |       |    |                   |      |                          |                          |                          |                          |                          |                          |                          |    |                                                                                                                                                                                                                                                                                                                              |                  |                                     |                                     |                          |                                     |                          |                                     |                                     |                          |                          |                          |                          |                 |      |       |       |   |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-75300-00000-0000-0000-0000-0000-0000-0000

Reach # 3.0 ILP Map # ILP # 1550 Site 33

### PROJECT

Project Name: Shelagyote Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-0000-0000-0000-0000-0000-0000-0000-0000  
Project Code: 1550

### WATERSHED

Gazetted Name: Watershed Code: 480-195700-75300-00000-0000-0000-0000-0000-0000-0000-0000-0000  
ILP Map#: ILP #: NID Map #: 093M.094 NID #: 22033 Reach #: 3.0 Site #: 33  
Field UTM (Z.E.N): .. Method: Site Lg: 100 Method: HC Access: H  
GIS UTM (Z.E.N): 9.605680.6196838 Ref. Name:  
Date: 2001/08/08 Time: 14:00 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| Channel Width (m): | MS  | 1.40  | 1.30  | 1.50  | 1.60  | 1.30  | 1.40  |       |       |       |       | 1.42 |
| Wetted Width (m):  | MS  | 1.00  | 0.90  | 1.10  | 1.00  | 0.80  | 0.70  |       |       |       |       | 0.92 |
| Pool Depth (m):    | MS  | 0.20  | 0.21  | 0.15  | 0.23  | 0.30  | 0.29  |       |       |       |       | 0.23 |

|            | Gadient % | Mtd | Avg |
|------------|-----------|-----|-----|
| Method I:  | 3.0       | 4.0 | C   |
| Method II: | 4.0       | 4.0 | C   |

Wb Depth: .4 .4 .5 Avg: 0.43 Method: MS Stage: L ☐ M ☒ H ☐

No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                        | U                                   | DP                       | OV                                  | IV                                  |
|-------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|
| Amount:     | T                                   | S                                   | N                        | D                                   | N                        | T                                   | T                                   |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☐ A ☐ M ☒ V ☐

LWD: F DIST: E

LB SHP: O

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: C

STG: MF

RB SHP: O

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: C

STG: MF

### WATER

EMS: Temp: 7 Method: T4 Req #: Cond.: 50 Method: S3  
pH: 7.9 Method: P2 Turb.: T ☐ M ☐ L ☐ C ☒ Method: GE  
Flood Signs: None Method: GE

### MORPHOLOGY

Bed Material: Dominant: G Subdom: C O1 B1 B2 B3 D1 D2 D3  
D95: 20.0 D (cm): 5.00 Morph: RP DISTURBANCE INDICATORS  
Pattern: IR C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: N  
Coupling: PC  
Confinement: FC  
FSZ: ☐ Bars: N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                      |
|--------------------|-----------------------------------------------|
| OverWinter Habitat | No overwintering habitat                      |
| Spawning Habitat   | Moderate-gravels are abundant, adequate flows |
| Rearing Habitat    | Moderate-limited by shallow pools             |

### PHOTOS

| Photo      | Foc Lg | Dir | Comments                           |
|------------|--------|-----|------------------------------------|
| R: 3 F: 20 | STD    | D   | Downstream photo of riffle habitat |
| R: 3 F: 21 | STD    | U   | Upstream photo of pool habitat     |



# FDIS Site Card

Shelagyote River Planning Area

Watershed Code: 480-195700-75300-00000-0000-0000-000-000-000-000

|         |           |       |      |
|---------|-----------|-------|------|
| Reach # | ILP Map # | ILP # | Site |
| 3.0     |           |       | 33   |

| COMMENTS |             |
|----------|-------------|
| Section  | Comments    |
| CHANNEL  | DV captured |
| CHANNEL  | S4 Stream   |

# FDIS Fish Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-75300-00000-0000-0000-000-000-000-000

Reach # 3.0  
ILP Map #  
ILP #

| WATERBODY                                                   |          |         |                         |            |          |            |                |           |         |                |            |                 |         |              |  |                                    |  |
|-------------------------------------------------------------|----------|---------|-------------------------|------------|----------|------------|----------------|-----------|---------|----------------|------------|-----------------|---------|--------------|--|------------------------------------|--|
| Gazetted Name:                                              |          |         |                         |            |          |            |                |           |         | Local: None    |            |                 |         |              |  |                                    |  |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-0 |          |         |                         |            |          |            |                |           |         |                |            |                 |         |              |  |                                    |  |
| WS Code: 480-195700-75300-00000-0000-0000-000-000-000-000   |          |         |                         |            |          |            |                |           |         |                |            |                 |         |              |  |                                    |  |
| Waterbody ID:                                               |          |         |                         |            |          |            |                |           |         | ILP Map #:     |            | ILP #:          |         | Reach #: 3 - |  |                                    |  |
| Project ID: 1550                                            |          |         |                         |            |          |            |                |           |         | Lake/Stream: S |            | Lake From Date: |         |              |  |                                    |  |
| Fish Permit #:                                              |          | 145084K |                         | Date:      |          | 2001/08/08 |                | To:       |         | 2001/08/08     |            | Agency: C172    |         | Crew: JD/EL  |  | Resample: <input type="checkbox"/> |  |
| SITE / METHOD                                               |          |         |                         |            |          |            |                |           |         |                |            |                 |         |              |  |                                    |  |
| Site#                                                       | NID Map  | NID #   | UTM:Zone/East/North/Mtd |            |          | MTD/NO     | Temp           | Cond      | Turbid  | Comment        |            |                 |         |              |  |                                    |  |
| 33                                                          | 093M.094 | 22033   |                         |            |          | GPU EF 1   | 7              | 50        | C       |                |            |                 |         |              |  |                                    |  |
| A. GEAR SETTINGS                                            |          |         |                         |            |          |            |                |           |         |                |            |                 |         |              |  |                                    |  |
| Site#                                                       | MTD/NO   | H/P     | Date In                 | Time In    | Date Out | Time Out   | Comment        |           |         |                |            |                 |         |              |  |                                    |  |
| 33                                                          | EF       | 1       | 1                       | 2001/08/08 | 14:00    | 2001/08/08 | 14:35          |           |         |                |            |                 |         |              |  |                                    |  |
| C. ELECTROFISHER SPECIFICATIONS                             |          |         |                         |            |          |            |                |           |         |                |            |                 |         |              |  |                                    |  |
| Site#                                                       | MTD/NO   | H/P     | Encl                    | Sec        | Length   | Width      | Voltage        | Frequency | Pulse   | Make           | Model      |                 |         |              |  |                                    |  |
| 33                                                          | EF       | 1       | 1                       | O          | 116      | 100.0      | 1.0            | 600       | 60      | 6              | SMITH ROOT | 12B             |         |              |  |                                    |  |
| FISH SUMMARY                                                |          |         |                         |            |          |            |                |           |         |                |            |                 |         |              |  |                                    |  |
| Site#                                                       | MTD/NO   | H/P     | Species                 | Stage      | Age      | Total #    | Lgth (Min/Max) | FishAct   | Comment |                |            |                 |         |              |  |                                    |  |
| 33                                                          | EF       | 1       | 1                       | DV         | J        | 17         | 59 88          | R         |         |                |            |                 |         |              |  |                                    |  |
| INDIVIDUAL FISH DATA                                        |          |         |                         |            |          |            |                |           |         |                |            |                 |         |              |  |                                    |  |
| Site#                                                       | MTD/NO   | H/P     | Species                 | Length     | Weight   | Sex        | Mat            | Age       | Vch#    | Genetic        | Roll #     | Frame#          | Comment |              |  |                                    |  |
|                                                             |          |         |                         |            |          |            |                | Str/Smpl# |         | Str/Smpl#      |            |                 |         |              |  |                                    |  |
| 33                                                          | EF       | 1       | 1                       | DV         | 82       |            | U              | U         |         |                |            |                 |         |              |  |                                    |  |
| 33                                                          | EF       | 1       | 1                       | DV         | 65       |            | U              | U         |         |                |            |                 |         |              |  |                                    |  |
| 33                                                          | EF       | 1       | 1                       | DV         | 88       |            | U              | U         |         |                |            |                 |         |              |  |                                    |  |
| 33                                                          | EF       | 1       | 1                       | DV         | 63       |            | U              | U         |         |                |            |                 |         |              |  |                                    |  |
| 33                                                          | EF       | 1       | 1                       | DV         | 71       |            | U              | U         |         |                |            |                 |         |              |  |                                    |  |
| 33                                                          | EF       | 1       | 1                       | DV         | 88       |            | U              | U         |         |                |            |                 |         |              |  |                                    |  |
| 33                                                          | EF       | 1       | 1                       | DV         | 85       |            | U              | U         |         |                |            |                 |         |              |  |                                    |  |
| 33                                                          | EF       | 1       | 1                       | DV         | 68       |            | U              | U         |         |                |            |                 |         |              |  |                                    |  |
| 33                                                          | EF       | 1       | 1                       | DV         | 59       |            | U              | U         |         |                |            |                 |         |              |  |                                    |  |
| 33                                                          | EF       | 1       | 1                       | DV         | 60       |            | U              | U         |         |                |            |                 |         |              |  |                                    |  |
| 33                                                          | EF       | 1       | 1                       | DV         | 60       |            | U              | U         |         |                |            |                 |         |              |  |                                    |  |
| 33                                                          | EF       | 1       | 1                       | DV         | 75       |            | U              | U         |         |                |            |                 |         |              |  |                                    |  |
| 33                                                          | EF       | 1       | 1                       | DV         | 77       |            | U              | U         |         |                |            |                 |         |              |  |                                    |  |
| 33                                                          | EF       | 1       | 1                       | DV         | 65       |            | U              | U         |         |                |            |                 |         |              |  |                                    |  |
| 33                                                          | EF       | 1       | 1                       | DV         | 82       |            | U              | U         |         |                |            |                 |         |              |  |                                    |  |
| 33                                                          | EF       | 1       | 1                       | DV         | 60       |            | U              | U         |         |                |            |                 |         |              |  |                                    |  |
| 33                                                          | EF       | 1       | 1                       | DV         | 73       |            | U              | U         |         |                |            |                 |         |              |  |                                    |  |





Site #33, Downstream photo of riffle habitat.  
Roll #3, Frame #20, Date: 2001/08/08



Site #33, Upstream photo of pool habitat.  
Roll #3, Frame #21, Date: 2001/08/08



# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Watershed Code: 480-195700-69300-00000-0000-0000-000-000-000-000

Reach # ILP Map # ILP #

4.0

| STREAM REFERENCING                                                                                                                                                                                                                     |                |                                                                                                                                                                                                                               |                   |                                                         |         |                                     |            |                                     |                     |                                                                                                                                                       |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------|---------|-------------------------------------|------------|-------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Gazetted Name: BARGER CREEK                                                                                                                                                                                                            |                |                                                                                                                                                                                                                               |                   |                                                         |         | Local Name:                         |            |                                     |                     |                                                                                                                                                       |               |
| Watershed Code: 480-195700-69300-00000-0000-0000-000-000-000-000                                                                                                                                                                       |                |                                                                                                                                                                                                                               |                   |                                                         |         | ILP Map #:                          |            | ILP #:                              |                     |                                                                                                                                                       |               |
| REACH                                                                                                                                                                                                                                  |                |                                                                                                                                                                                                                               |                   |                                                         |         |                                     |            |                                     |                     |                                                                                                                                                       |               |
| Reach #: 4.0                                                                                                                                                                                                                           |                | UTM(Zone/East/North): 9.610168.6195268                                                                                                                                                                                        |                   |                                                         |         | Sample Type: Random                 |            |                                     |                     |                                                                                                                                                       |               |
| Length (km): .47                                                                                                                                                                                                                       |                | Coupling: Partially Coupled                                                                                                                                                                                                   |                   | Magnitude: 81                                           |         | BGC Zone: SBS                       |            |                                     |                     |                                                                                                                                                       |               |
| Gradient (%): 3.4                                                                                                                                                                                                                      |                | Confinement: Confined                                                                                                                                                                                                         |                   | Order: 4                                                |         | Open water: Absent                  |            |                                     |                     |                                                                                                                                                       |               |
| US Elev (m): 1028                                                                                                                                                                                                                      |                | Islands: NONE                                                                                                                                                                                                                 |                   | Riparian Vegetation: Coniferous                         |         |                                     |            |                                     |                     |                                                                                                                                                       |               |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                |                                                                                                                                                                                                                               |                   |                                                         |         |                                     |            |                                     |                     |                                                                                                                                                       |               |
| SITE                                                                                                                                                                                                                                   |                |                                                                                                                                                                                                                               |                   |                                                         |         |                                     |            |                                     |                     |                                                                                                                                                       |               |
| Site #: 34                                                                                                                                                                                                                             |                | Field UTM ..                                                                                                                                                                                                                  |                   | Agency: C172                                            |         | Crew: JD/EL                         |            | Date: 2001/08/08                    |                     |                                                                                                                                                       |               |
| Site Length (m): 300                                                                                                                                                                                                                   |                | GIS UTM 9.610099.6195100                                                                                                                                                                                                      |                   | Agency Name: Triton Environmental Consultants (Terrace) |         |                                     |            |                                     |                     |                                                                                                                                                       |               |
| CHANNEL                                                                                                                                                                                                                                |                |                                                                                                                                                                                                                               |                   |                                                         |         |                                     |            |                                     |                     |                                                                                                                                                       |               |
| No Vis.Ch.: <input type="checkbox"/> Intermittent: <input type="checkbox"/>                                                                                                                                                            |                |                                                                                                                                                                                                                               |                   | Avg                                                     |         | Min                                 |            | Max                                 |                     | #                                                                                                                                                     |               |
| Dewatered: <input type="checkbox"/> Tribs.: <input type="checkbox"/>                                                                                                                                                                   |                |                                                                                                                                                                                                                               |                   | Avg                                                     |         | Min                                 |            | Max                                 |                     | #                                                                                                                                                     |               |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |                | Channel Width (m):                                                                                                                                                                                                            |                   | 8.03                                                    |         | 6.5                                 |            | 10.2                                |                     | 6                                                                                                                                                     |               |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |                | Wetted Width (m):                                                                                                                                                                                                             |                   | 7.50                                                    |         | 5.900                               |            | 9.300                               |                     | 6                                                                                                                                                     |               |
| High <input type="checkbox"/>                                                                                                                                                                                                          |                | Bankfull Depth (m):                                                                                                                                                                                                           |                   | 1.30                                                    |         | 1.1                                 |            | 1.6                                 |                     | 3                                                                                                                                                     |               |
| Temp (C): 6                                                                                                                                                                                                                            |                | pH: 7.9                                                                                                                                                                                                                       |                   | Conductivity: 40                                        |         |                                     |            |                                     |                     |                                                                                                                                                       |               |
|                                                                                                                                                                                                                                        |                |                                                                                                                                                                                                                               |                   |                                                         |         |                                     |            |                                     |                     | Turbidity: Turbid <input type="checkbox"/> Low <input type="checkbox"/>                                                                               |               |
|                                                                                                                                                                                                                                        |                |                                                                                                                                                                                                                               |                   |                                                         |         |                                     |            |                                     |                     | Moderate <input type="checkbox"/> Clear <input checked="" type="checkbox"/>                                                                           |               |
| MORPHOLOGY                                                                                                                                                                                                                             |                |                                                                                                                                                                                                                               |                   |                                                         |         |                                     |            |                                     |                     |                                                                                                                                                       |               |
| Bed Material: Dominant: Boulders                                                                                                                                                                                                       |                | D95 (cm): 130.00                                                                                                                                                                                                              |                   | Bars: Non <input checked="" type="checkbox"/>           |         | Side <input type="checkbox"/>       |            | Diagonal <input type="checkbox"/>   |                     | Mid-channel <input type="checkbox"/> Span <input type="checkbox"/>                                                                                    |               |
| Subdominant: Cobble                                                                                                                                                                                                                    |                | D (cm): 45.00                                                                                                                                                                                                                 |                   |                                                         |         |                                     |            |                                     |                     | Braid <input type="checkbox"/>                                                                                                                        |               |
| Channel Pattern: Sinuous                                                                                                                                                                                                               |                | Islands: None                                                                                                                                                                                                                 |                   | DISTURBANCE                                             |         | O1                                  |            | B1                                  |                     | B2                                                                                                                                                    |               |
| Coupling: Coupled                                                                                                                                                                                                                      |                |                                                                                                                                                                                                                               |                   | INDICATORS                                              |         |                                     |            |                                     |                     | D3                                                                                                                                                    |               |
| Confinement: Frequently Confined                                                                                                                                                                                                       |                |                                                                                                                                                                                                                               |                   | C1                                                      |         | C2                                  |            | C3                                  |                     | C4                                                                                                                                                    |               |
| Morphology: CP Cascade Pool                                                                                                                                                                                                            |                |                                                                                                                                                                                                                               |                   |                                                         |         |                                     |            |                                     |                     | S5                                                                                                                                                    |               |
| COVER                                                                                                                                                                                                                                  |                |                                                                                                                                                                                                                               |                   |                                                         |         |                                     |            |                                     |                     |                                                                                                                                                       |               |
| Total Cover: Abundant                                                                                                                                                                                                                  |                | Type: SWD                                                                                                                                                                                                                     |                   | LWD                                                     |         | B                                   |            | U                                   |                     | DP                                                                                                                                                    |               |
| LWD: Few                                                                                                                                                                                                                               |                | Amount: T                                                                                                                                                                                                                     |                   | T                                                       |         | D                                   |            | N                                   |                     | S                                                                                                                                                     |               |
| LWD Dist: Clumped                                                                                                                                                                                                                      |                | Location: P/S/O:                                                                                                                                                                                                              |                   | <input checked="" type="checkbox"/>                     |         | <input checked="" type="checkbox"/> |            | <input checked="" type="checkbox"/> |                     | <input checked="" type="checkbox"/>                                                                                                                   |               |
|                                                                                                                                                                                                                                        |                |                                                                                                                                                                                                                               |                   | <input checked="" type="checkbox"/>                     |         | <input checked="" type="checkbox"/> |            | <input checked="" type="checkbox"/> |                     | <input checked="" type="checkbox"/>                                                                                                                   |               |
| Right Bank: Shape: V - shape                                                                                                                                                                                                           |                | Texture: Fines <input type="checkbox"/> Gravel <input checked="" type="checkbox"/> Cobble <input checked="" type="checkbox"/> Boulder <input type="checkbox"/> Rock <input type="checkbox"/> Manmade <input type="checkbox"/> |                   |                                                         |         |                                     |            |                                     |                     | Crown Closure                                                                                                                                         |               |
| Left Bank: Shape: V - shape                                                                                                                                                                                                            |                | Texture: Fines <input type="checkbox"/> Gravel <input checked="" type="checkbox"/> Cobble <input checked="" type="checkbox"/> Boulder <input type="checkbox"/> Rock <input type="checkbox"/> Manmade <input type="checkbox"/> |                   |                                                         |         |                                     |            |                                     |                     | 1-20%                                                                                                                                                 |               |
| Right Bank: Rip.Veg: Coniferous                                                                                                                                                                                                        |                | Stage: Mature forest                                                                                                                                                                                                          |                   |                                                         |         |                                     |            |                                     |                     |                                                                                                                                                       |               |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |                | Stage: Mature forest                                                                                                                                                                                                          |                   |                                                         |         |                                     |            |                                     |                     | Instream Veg: None <input checked="" type="checkbox"/> Algae <input type="checkbox"/> Moss <input type="checkbox"/> Vascular <input type="checkbox"/> |               |
| FEATURES                                                                                                                                                                                                                               |                |                                                                                                                                                                                                                               |                   |                                                         |         |                                     |            |                                     |                     |                                                                                                                                                       |               |
| NID Map                                                                                                                                                                                                                                | NID            | Type                                                                                                                                                                                                                          | Hgt               | Method                                                  | Lg      | Method                              | Photo      |                                     | AirPhoto            |                                                                                                                                                       | UTM (Z/E/N)   |
| 093M.084                                                                                                                                                                                                                               | 88030          | F                                                                                                                                                                                                                             | 15.0              | GE                                                      | 2       | GE                                  | R: 3       | F: 22                               | L:                  | #:                                                                                                                                                    | 9.609897.6195 |
| Comments: Falls prevent upstream migration. R3 break.                                                                                                                                                                                  |                |                                                                                                                                                                                                                               |                   |                                                         |         |                                     |            |                                     |                     |                                                                                                                                                       |               |
| FISH                                                                                                                                                                                                                                   |                |                                                                                                                                                                                                                               |                   |                                                         |         |                                     |            |                                     |                     |                                                                                                                                                       |               |
| Site Number                                                                                                                                                                                                                            | Capture Method | Number of Events                                                                                                                                                                                                              | Length fished (m) | Total Time                                              | Voltage | Species                             | Total Fish | Minimum Length (mm)                 | Maximum Length (mm) |                                                                                                                                                       |               |
| 34                                                                                                                                                                                                                                     | EF             | 1                                                                                                                                                                                                                             | 300               | 429 sec                                                 | 900     | NFC                                 | 0          |                                     |                     |                                                                                                                                                       |               |



# FDIS Site Card

## Shelagoyote River Planning Area

Watershed Code: 480-195700-69300-00000-00000-00000-00000-00000-00000

Reach # 4.0 ILP Map # ILP # Site 34

### PROJECT

Project Name: Shelagoyote Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-00000-00000-00000-00000-00000-00000  
Project Code: 1550

### WATERSHED

Gazetted Name: BARGER CREEK  
Local Name: Barger Creek  
Watershed Code: 480-195700-69300-00000-00000-00000-00000-00000-00000-00000  
ILP Map#: ILP #: NID Map #: 093M.084 NID #: 22034 Reach #: 4.0 Site #: 34  
Field UTM (Z.E.N): .. Method: Site Lg: 300 Method: MAP Access: H  
GIS UTM (Z.E.N): 9.610099.6195100 Ref. Name:  
Date: 2001/08/08 Time: 14:50 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |            | Gadient % |     | Mtd | Avg  |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------------|-----------|-----|-----|------|
| Channel Width (m): | T   | 6.50  | 7.10  | 8.00  | 6.90  | 10.20 | 9.50  |       |       |       |       | 8.03 | Method I:  | 4.0       | 5.0 | C   | 4.50 |
| Wetted Width (m):  | T   | 5.90  | 6.70  | 7.60  | 6.40  | 9.10  | 9.30  |       |       |       |       | 7.50 | Method II: | 5.0       | 4.0 | C   |      |
| Pool Depth (m):    | MS  | 1.10  | 0.90  | 1.30  | 1.00  | 0.80  | 0.70  |       |       |       |       | 0.97 |            |           |     |     |      |

Wb Depth: 1.1 1.2 1.6 Avg: 1.30 Method: GE Stage: L ☐ M ☒ H ☐ No Vis.Ch.: ☐ Intermittent: ☐ Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                                   | U                        | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | T                                   | D                                   | N                        | S                                   | T                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

LWD: F DIST: C

LB SHP: V

Texture: F ☐ G ☒ C ☒ B ☐ R ☐ A ☐

RIP: C

STG: MF

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

RB SHP: V

Texture: F ☐ G ☒ C ☒ B ☐ R ☐ A ☐

RIP: C

STG: MF

### WATER

EMS: Temp: 6 Method: T4 Req #: Cond.: 40 Method: S3  
pH: 7.9 Method: P2 Turb.: T ☐ M ☐ L ☐ C ☒ Method: GE  
Flood Signs: none Method: GE

### MORPHOLOGY

Bed Material: Dominant: B Subdom: C  
D95: 130.0 D (cm): 45.00 Morph: CP  
Pattern: SI  
Islands: N  
Coupling: CO  
Confinement: FC  
FSZ: ☐  
DISTURBANCE INDICATORS  
O1 B1 B2 B3 D1 D2 D3  
C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Bars: N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### FEATURES

| NID Map  | NID   | Type | Hgt  | Method | Lg | Method | Photo            | AirPhoto | UTM (Z/E/N)      | Method |
|----------|-------|------|------|--------|----|--------|------------------|----------|------------------|--------|
| 093M.084 | 88030 | F    | 15.0 | GE     | 2  | GE     | R: 3 F: 22 L: #: |          | 9.609897.6195048 | GIS    |

Comments: Falls prevent upstream migration. R3 break.

### HABITAT QUALITY

| Name               | Comments                                                       |
|--------------------|----------------------------------------------------------------|
| OverWinter Habitat | Present                                                        |
| Spawning Habitat   | Poor-substrate is too large                                    |
| Rearing Habitat    | Moderate-deep pools, abundant cover, limited by water velocity |

## Shelagyote River Planning Area

| Reach # | ILP Map # | ILP # | Site |
|---------|-----------|-------|------|
| 4.0     |           |       | 34   |

| PHOTOS |   |        |    |     |          |                                             |
|--------|---|--------|----|-----|----------|---------------------------------------------|
| Photo  |   | Foc Lg |    | Dir | Comments |                                             |
| R:     | 3 | F:     | 22 | STD | NS       | 15 m falls prevents upstream fish migration |
| R:     | 3 | F:     | 23 | STD | U        | Upstream photo of cascades                  |
| R:     | 3 | F:     | 24 | STD | D        | Downstream photo of cascades                |



# FDIS Fish Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-69300-00000-0000-0000-000-000-000-000-000

Reach # 4.0  
ILP Map #  
ILP #

| WATERBODY                                                     |          |         |                          |                  |            |                     |                |                 |         |               |       |                                    |  |
|---------------------------------------------------------------|----------|---------|--------------------------|------------------|------------|---------------------|----------------|-----------------|---------|---------------|-------|------------------------------------|--|
| Gazetted Name: BARGER CREEK                                   |          |         |                          |                  |            | Local: Barger Creek |                |                 |         |               |       |                                    |  |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-0   |          |         |                          |                  |            |                     |                |                 |         |               |       |                                    |  |
| WS Code: 480-195700-69300-00000-0000-0000-000-000-000-000-000 |          |         |                          |                  |            |                     |                |                 |         |               |       |                                    |  |
| Waterbody ID:                                                 |          |         |                          | ILP Map #:       |            |                     |                | ILP #:          |         | Reach #:      |       | 4 -                                |  |
| Project ID: 1550                                              |          |         |                          | Lake/Stream: S   |            |                     |                | Lake From Date: |         |               |       |                                    |  |
| Fish Permit #:                                                |          | 145084K |                          | Date: 2001/08/08 |            | To: 2001/08/08      |                | Agency: C172    |         | Crew: JD/EL   |       | Resample: <input type="checkbox"/> |  |
| SITE / METHOD                                                 |          |         |                          |                  |            |                     |                |                 |         |               |       |                                    |  |
| Site#                                                         | NID Map  | NID #   | UTM:Zone/East/North/Mthd |                  |            | MTD/NO              | Temp           | Cond            | Turbid  | Comment       |       |                                    |  |
| 34                                                            | 093M.084 | 22034   |                          |                  |            | GPU EF 1            | 6              | 40              | C       |               |       |                                    |  |
| A. GEAR SETTINGS                                              |          |         |                          |                  |            |                     |                |                 |         |               |       |                                    |  |
| Site#                                                         | MTD/NO   | H/P     | Date In                  | Time In          | Date Out   | Time Out            | Comment        |                 |         |               |       |                                    |  |
| 34                                                            | EF 1     | 1       | 2001/08/08               | 14:50            | 2001/08/08 | 15:40               |                |                 |         |               |       |                                    |  |
| C. ELECTROFISHER SPECIFICATIONS                               |          |         |                          |                  |            |                     |                |                 |         |               |       |                                    |  |
| Site#                                                         | MTD/NO   | H/P     | Encl                     | Sec              | Length     | Width               | Voltage        | Frequency       | Pulse   | Make          | Model |                                    |  |
| 34                                                            | EF 1     | 1       | O                        | 429              | 300.0      | 7.0                 | 900            | 70              | 6       | SMITH<br>ROOT | 12B   |                                    |  |
| FISH SUMMARY                                                  |          |         |                          |                  |            |                     |                |                 |         |               |       |                                    |  |
| Site#                                                         | MTD/NO   | H/P     | Species                  | Stage            | Age        | Total #             | Lgth (Min/Max) | FishAct         | Comment |               |       |                                    |  |
| 34                                                            | EF 1     | 1       | NFC                      |                  |            | 0                   |                |                 |         |               |       |                                    |  |



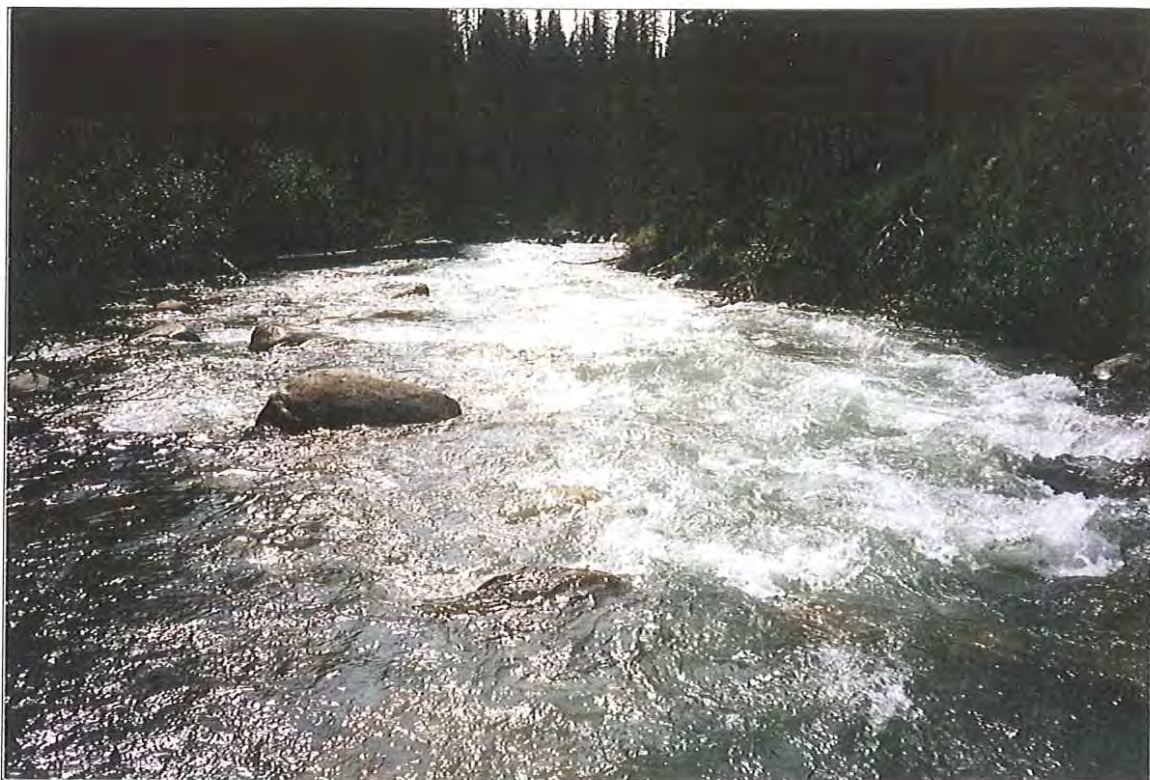


Site #34, 15 m falls prevents upstream fish migration.  
Roll #3, Frame #22, Date: 2001/08/08



Site #34, Upstream photo of cascades.  
Roll #3, Frame #23, Date: 2001/08/08





Site #34, Downstream photo of cascades.  
Roll #3, Frame #24, Date: 2001/08/08

# FDIS Reach/Site Summary

Shelagyte River Planning Area

Reach # ILP Map # ILP #

Watershed Code: 480-195700-69300-00000-0000-000-000-000-000-000

5.0

| STREAM REFERENCING                                                                                                                                                                                                                     |                |                                                    |                   |                                                         |             |                                          |            |                                                                             |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------|-------------------|---------------------------------------------------------|-------------|------------------------------------------|------------|-----------------------------------------------------------------------------|---------------------|
| Gazetted Name: BARGER CREEK                                                                                                                                                                                                            |                |                                                    |                   |                                                         | Local Name: |                                          |            |                                                                             |                     |
| Watershed Code: 480-195700-69300-00000-0000-000-000-000-000-000                                                                                                                                                                        |                |                                                    |                   |                                                         | ILP Map #:  |                                          | ILP #:     |                                                                             |                     |
| REACH                                                                                                                                                                                                                                  |                |                                                    |                   |                                                         |             |                                          |            |                                                                             |                     |
| Reach #: 5.0                                                                                                                                                                                                                           |                | UTM(Zone/East/North): 9.611218.6196789             |                   |                                                         |             | Sample Type: Biased                      |            |                                                                             |                     |
| Length (km): 2.17                                                                                                                                                                                                                      |                | Coupling: Decoupled                                |                   | Magnitude: 80                                           |             | BGC Zone: SBS                            |            |                                                                             |                     |
| Gradient (%): 1.0                                                                                                                                                                                                                      |                | Confinement: Unconfined                            |                   | Order: 4                                                |             | Open water: Present                      |            |                                                                             |                     |
| US Elev (m): 1050                                                                                                                                                                                                                      |                | Islands: NONE                                      |                   | Riparian Vegetation: Deciduous                          |             |                                          |            |                                                                             |                     |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                |                                                    |                   |                                                         |             |                                          |            |                                                                             |                     |
| SITE                                                                                                                                                                                                                                   |                |                                                    |                   |                                                         |             |                                          |            |                                                                             |                     |
| Site #: 35                                                                                                                                                                                                                             |                | Field UTM ..                                       |                   | Agency: C172                                            |             | Crew: JD/EL                              |            | Date: 2001/08/08                                                            |                     |
| Site Length (m): 500                                                                                                                                                                                                                   |                | GIS UTM 9.610582.6195929                           |                   | Agency Name: Triton Environmental Consultants (Terrace) |             |                                          |            |                                                                             |                     |
| CHANNEL                                                                                                                                                                                                                                |                |                                                    |                   |                                                         |             |                                          |            |                                                                             |                     |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |                | Intermittent: <input type="checkbox"/>             |                   | Avg                                                     |             | Min                                      |            | Max                                                                         |                     |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |                | Tribes.: <input type="checkbox"/>                  |                   | Channel Width (m):                                      |             | 22.00                                    |            | 19                                                                          |                     |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |                |                                                    |                   | Wetted Width (m):                                       |             | 6.75                                     |            | 5                                                                           |                     |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |                |                                                    |                   | Bankfull Depth (m):                                     |             | 1.30                                     |            | 1.1                                                                         |                     |
| High <input type="checkbox"/>                                                                                                                                                                                                          |                | Temp (C): 6                                        |                   | pH: 7.9                                                 |             | Conductivity: 40                         |            |                                                                             |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |             |                                          |            | Turbidity: Turbid <input type="checkbox"/> Low <input type="checkbox"/>     |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |             |                                          |            | Moderate <input type="checkbox"/> Clear <input checked="" type="checkbox"/> |                     |
| MORPHOLOGY                                                                                                                                                                                                                             |                |                                                    |                   |                                                         |             |                                          |            |                                                                             |                     |
| Bed Material: Dominant: Cobble                                                                                                                                                                                                         |                | D95 (cm): 45.00                                    |                   | Bars: Non <input type="checkbox"/>                      |             | Side <input checked="" type="checkbox"/> |            | Diagonal <input type="checkbox"/>                                           |                     |
| Subdominant: Gravels                                                                                                                                                                                                                   |                | D (cm): 28.00                                      |                   |                                                         |             |                                          |            | Mid-channel <input checked="" type="checkbox"/>                             |                     |
| Channel Pattern: Irregular Meanders                                                                                                                                                                                                    |                | Islands: None                                      |                   | DISTURBANCE                                             |             | O1                                       |            | B1                                                                          |                     |
| Coupling: Decoupled                                                                                                                                                                                                                    |                |                                                    |                   | INDICATORS                                              |             | B2                                       |            | B3                                                                          |                     |
| Confinement: Unconfined                                                                                                                                                                                                                |                |                                                    |                   |                                                         |             | D1                                       |            | D2                                                                          |                     |
| Morphology: RP Riffle Pool                                                                                                                                                                                                             |                |                                                    |                   |                                                         |             | D3                                       |            |                                                                             |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | C1                                                      |             | C2                                       |            | C3                                                                          |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | C4                                                      |             | C5                                       |            | S1                                                                          |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | S2                                                      |             | S3                                       |            | S4                                                                          |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | S5                                                      |             |                                          |            |                                                                             |                     |
| COVER                                                                                                                                                                                                                                  |                |                                                    |                   |                                                         |             |                                          |            |                                                                             |                     |
| Total Cover: Abundant                                                                                                                                                                                                                  |                | Type: SWD                                          |                   | LWD                                                     |             | B                                        |            | U                                                                           |                     |
| LWD: Abundant                                                                                                                                                                                                                          |                | Amount: T                                          |                   | S                                                       |             | N                                        |            | T                                                                           |                     |
| LWD Dist: Clumped                                                                                                                                                                                                                      |                | Location: P/S/O:                                   |                   | <input checked="" type="checkbox"/>                     |             | <input checked="" type="checkbox"/>      |            | <input checked="" type="checkbox"/>                                         |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | <input checked="" type="checkbox"/>                     |             | <input checked="" type="checkbox"/>      |            | <input checked="" type="checkbox"/>                                         |                     |
| Right Bank: Shape: Sloping (g)                                                                                                                                                                                                         |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input checked="" type="checkbox"/>              |             | Cobble <input type="checkbox"/>          |            | Boulder <input type="checkbox"/>                                            |                     |
| Left Bank: Shape: Sloping (g)                                                                                                                                                                                                          |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input checked="" type="checkbox"/>              |             | Cobble <input type="checkbox"/>          |            | Boulder <input type="checkbox"/>                                            |                     |
| Right Bank: Rip.Veg: Shrubs                                                                                                                                                                                                            |                | Stage: Shrub/herb stage                            |                   |                                                         |             |                                          |            | Crown Closure                                                               |                     |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |                | Stage: Shrub/herb stage                            |                   |                                                         |             |                                          |            | 1-20%                                                                       |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   | Instream Veg: None <input checked="" type="checkbox"/>  |             | Algae <input type="checkbox"/>           |            | Moss <input type="checkbox"/>                                               |                     |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |             |                                          |            | Vascular <input type="checkbox"/>                                           |                     |
| FISH                                                                                                                                                                                                                                   |                |                                                    |                   |                                                         |             |                                          |            |                                                                             |                     |
| Site Number                                                                                                                                                                                                                            | Capture Method | Number of Events                                   | Length fished (m) | Total Time                                              | Voltage     | Species                                  | Total Fish | Minimum Length (mm)                                                         | Maximum Length (mm) |
| 35                                                                                                                                                                                                                                     | EF             | 1                                                  | 500               | 627 sec                                                 | 900         | NFC                                      | 0          |                                                                             |                     |



# FDIS Site Card

## Shelagyte River Planning Area

Watershed Code: 480-195700-69300-00000-00000-00000-00000-00000-00000

Reach # 5.0 ILP Map # ILP # Site 35

### PROJECT

Project Name: Shelagyte Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-00000-00000-00000-00000-00000-00000  
Project Code: 1550

### WATERSHED

Gazetted Name: BARGER CREEK  
Local Name: Barger Creek  
Watershed Code: 480-195700-69300-00000-00000-00000-00000-00000-00000-00000  
ILP Map#: ILP #: NID Map #: 093M.084 NID #: 22035 Reach #: 5.0 Site #: 35  
Field UTM (Z.E.N): .. Method: Site Lg: 500 Method: MAP Access: H  
GIS UTM (Z.E.N): 9.610582.6195929 Ref. Name:  
Date: 2001/08/08 Time: 15:50 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg   |            | Gadient % |     | Mtd | Avg  |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|-----------|-----|-----|------|
| Channel Width (m): | GE  | 25.00 | 20.00 | 19.00 | 26.00 | 22.00 | 20.00 |       |       |       |       | 22.00 | Method I:  | 2.0       | 1.0 | C   | 1.75 |
| Wetted Width (m):  | GE  | 6.50  | 6.00  | 7.00  | 10.00 | 6.00  | 5.00  |       |       |       |       | 6.75  | Method II: | 2.0       | 2.0 | C   |      |
| Pool Depth (m):    | MS  | 1.20  | 1.00  | 1.10  | 1.00  | 1.00  | 1.50  |       |       |       |       | 1.13  |            |           |     |     |      |

Wb Depth: 1.2 1.1 1.6 Avg: 1.30 Method: GE Stage: L ☐ M ☒ H ☐ No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribes: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                        | U                                   | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | S                                   | N                        | T                                   | D                                   | T                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

LWD: A DIST: C

LB SHP: S

Texture: F ☒ G ☒ C ☐ B ☐ R ☐ A ☐

RIP: S

STG: SHR

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

RB SHP: S

Texture: F ☒ G ☒ C ☐ B ☐ R ☐ A ☐

RIP: S

STG: SHR

### WATER

EMS: Temp: 6 Method: T4 Req #: Cond.: 40 Method: S3  
pH: 7.9 Method: P2 Turb.: T ☐ M ☐ L ☐ C ☒ Method: GE  
Flood Signs: rafted debris Method: GE

### MORPHOLOGY

Bed Material: Dominant: C Subdom: G O1 B1 B2 B3 D1 D2 D3  
D95: 45.0 D (cm): 28.00 Morph: RP DISTURBANCE INDICATORS  
Pattern: IM C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: N  
Coupling: DC  
Confinement: UN  
FSZ: ☐ Bars: N ☐ SIDE ☒ DIAG ☐ MID ☒ SPAN ☐ BR ☐

### HABITAT QUALITY

| Name               | Comments                                                 |
|--------------------|----------------------------------------------------------|
| OverWinter Habitat | Present                                                  |
| Spawning Habitat   | Moderate - suitable gravels present throughout site      |
| Rearing Habitat    | High Value - LWD, deep pool, good riffle pool complexing |

### PHOTOS

| Photo      | Foc Lg | Dir | Comments                                |
|------------|--------|-----|-----------------------------------------|
| R: 3 F: 25 | STD    | U   | Upstream photo of riffle pool habitat   |
| R: 4 F: 1  | STD    | D   | Downstream photo of riffle/pool habitat |

# FDIS Site Card

Shelagyote River Planning Area

Watershed Code: 480-195700-69300-00000-0000-0000-000-000-000-000-000

|         |           |       |      |
|---------|-----------|-------|------|
| Reach # | ILP Map # | ILP # | Site |
| 5.0     |           |       | 35   |

| COMMENTS |                            |
|----------|----------------------------|
| Section  | Comments                   |
| CHANNEL  | S5 - NFC upstream of falls |



# FDIS Fish Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-69300-00000-0000-0000-000-000-000-000-000

Reach # 5.0  
ILP Map #  
ILP #

| WATERBODY                                                     |          |         |                         |                     |          |                |                |                 |         |             |               |                                    |  |  |
|---------------------------------------------------------------|----------|---------|-------------------------|---------------------|----------|----------------|----------------|-----------------|---------|-------------|---------------|------------------------------------|--|--|
| Gazetted Name: BARGER CREEK                                   |          |         |                         | Local: Barger Creek |          |                |                |                 |         |             |               |                                    |  |  |
| Project Code: 480-000000-00000-00000-0000-0000-000-000-000-0  |          |         |                         |                     |          |                |                |                 |         |             |               |                                    |  |  |
| WS Code: 480-195700-69300-00000-0000-0000-000-000-000-000-000 |          |         |                         |                     |          |                |                |                 |         |             |               |                                    |  |  |
| Waterbody ID:                                                 |          |         |                         | ILP Map #:          |          |                |                | ILP #:          |         | Reach #:    |               | 5 -                                |  |  |
| Project ID: 1550                                              |          |         |                         | Lake/Stream: S      |          |                |                | Lake From Date: |         |             |               |                                    |  |  |
| Fish Permit #:                                                |          | 145084K |                         | Date: 2001/08/08    |          | To: 2001/08/08 |                | Agency: C172    |         | Crew: JD/EL |               | Resample: <input type="checkbox"/> |  |  |
| SITE / METHOD                                                 |          |         |                         |                     |          |                |                |                 |         |             |               |                                    |  |  |
| Site#                                                         | NID Map  | NID #   | UTM:Zone/East/North/Mhd |                     |          | MTD/NO         | Temp           | Cond            | Turbid  | Comment     |               |                                    |  |  |
| 35                                                            | 093M.084 | 22035   |                         |                     |          | GPU EF 1       | 6              | 40              | C       |             |               |                                    |  |  |
| A. GEAR SETTINGS                                              |          |         |                         |                     |          |                |                |                 |         |             |               |                                    |  |  |
| Site#                                                         | MTD/NO   | H/P     | Date In                 | Time In             | Date Out | Time Out       | Comment        |                 |         |             |               |                                    |  |  |
| 35                                                            | EF       | 1       | 1                       | 2001/08/08          | 15:50    | 2001/08/08     | 16:30          |                 |         |             |               |                                    |  |  |
| C. ELECTROFISHER SPECIFICATIONS                               |          |         |                         |                     |          |                |                |                 |         |             |               |                                    |  |  |
| Site#                                                         | MTD/NO   | H/P     | Encl                    | Sec                 | Length   | Width          | Voltage        | Frequency       | Pulse   | Make        | Model         |                                    |  |  |
| 35                                                            | EF       | 1       | 1                       | O                   | 627      | 500.0          | 6.2            | 900             | 70      | 6           | SMITH<br>ROOT | 12B                                |  |  |
| FISH SUMMARY                                                  |          |         |                         |                     |          |                |                |                 |         |             |               |                                    |  |  |
| Site#                                                         | MTD/NO   | H/P     | Species                 | Stage               | Age      | Total #        | Lgth (Min/Max) | FishAct         | Comment |             |               |                                    |  |  |
| 35                                                            | EF       | 1       | 1                       | NFC                 |          | 0              |                |                 |         |             |               |                                    |  |  |





Site #35, Upstream photo of riffle pool habitat.  
Roll #3, Frame #25, Date: 2001/08/08



Site #35, Downstream photo of riffle/pool habitat.  
Roll #4, Frame #1, Date: 2001/08/08



# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Watershed Code: 480-195700-69300-28300-0000-0000-000-000-000-000-000

Reach # ILP Map # ILP #

1.0

| STREAM REFERENCING                                                                                                                                                                                                                     |                |                                                    |                   |                                                         |         |                                          |            |                                            |                     |                                           |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------|-------------------|---------------------------------------------------------|---------|------------------------------------------|------------|--------------------------------------------|---------------------|-------------------------------------------|---------------|
| Gazetted Name:                                                                                                                                                                                                                         |                |                                                    |                   |                                                         |         | Local Name:                              |            |                                            |                     |                                           |               |
| Watershed Code: 480-195700-69300-28300-0000-0000-000-000-000-000-000                                                                                                                                                                   |                |                                                    |                   |                                                         |         | ILP Map #:                               |            | ILP #:                                     |                     |                                           |               |
| REACH                                                                                                                                                                                                                                  |                |                                                    |                   |                                                         |         |                                          |            |                                            |                     |                                           |               |
| Reach #: 1.0                                                                                                                                                                                                                           |                | UTM(Zone/East/North): 9.609735.6194514             |                   |                                                         |         | Sample Type: Biased                      |            |                                            |                     |                                           |               |
| Length (km): 1.31                                                                                                                                                                                                                      |                | Coupling: Partially Couple                         |                   | Magnitude: 17                                           |         | BGC Zone: SBS                            |            |                                            |                     |                                           |               |
| Gradient (%): 8.5                                                                                                                                                                                                                      |                | Confinement: Occasionally Conf                     |                   | Order: 3                                                |         | Open water: Absent                       |            |                                            |                     |                                           |               |
| US Elev (m): 1025                                                                                                                                                                                                                      |                | Islands: NONE                                      |                   | Riparian Vegetation: Coniferous                         |         |                                          |            |                                            |                     |                                           |               |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                |                                                    |                   |                                                         |         |                                          |            |                                            |                     |                                           |               |
| SITE                                                                                                                                                                                                                                   |                |                                                    |                   |                                                         |         |                                          |            |                                            |                     |                                           |               |
| Site #: 36                                                                                                                                                                                                                             |                | Field UTM ..                                       |                   | Agency: C172                                            |         | Crew: JD/EL                              |            | Date: 2001/08/08                           |                     |                                           |               |
| Site Length (m): 200                                                                                                                                                                                                                   |                | GIS UTM 9.608887.6194825                           |                   | Agency Name: Triton Environmental Consultants (Terrace) |         |                                          |            |                                            |                     |                                           |               |
| CHANNEL                                                                                                                                                                                                                                |                |                                                    |                   |                                                         |         |                                          |            |                                            |                     |                                           |               |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |                | Intermittent: <input type="checkbox"/>             |                   | Avg                                                     |         | Min                                      |            | Max                                        |                     | #                                         |               |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |                | Tribes.: <input type="checkbox"/>                  |                   | Channel Width (m): 5.30                                 |         | 4.6                                      |            | 6.1                                        |                     | 6                                         |               |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |                |                                                    |                   | Wetted Width (m): 3.18                                  |         | 2.6                                      |            | 3.6                                        |                     | 6                                         |               |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |                |                                                    |                   | Bankfull Depth (m): 0.70                                |         | 0.6                                      |            | 0.8                                        |                     | 3                                         |               |
| High <input type="checkbox"/>                                                                                                                                                                                                          |                | Temp (C): 7                                        |                   | pH: 7.8                                                 |         | Conductivity: 40                         |            |                                            |                     |                                           |               |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |         |                                          |            | Turbidity: Turbid <input type="checkbox"/> |                     | Low <input type="checkbox"/>              |               |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |         |                                          |            | Moderate <input type="checkbox"/>          |                     | Clear <input checked="" type="checkbox"/> |               |
| MORPHOLOGY                                                                                                                                                                                                                             |                |                                                    |                   |                                                         |         |                                          |            |                                            |                     |                                           |               |
| Bed Material: Dominant: Cobble                                                                                                                                                                                                         |                | D95 (cm): 65.00                                    |                   | Bars: Non <input type="checkbox"/>                      |         | Side <input checked="" type="checkbox"/> |            | Diagonal <input type="checkbox"/>          |                     | Mid-channel <input type="checkbox"/>      |               |
| Subdominant: Gravels                                                                                                                                                                                                                   |                | D (cm): 20.00                                      |                   |                                                         |         |                                          |            |                                            |                     | Span <input type="checkbox"/>             |               |
| Channel Pattern: Sinuous                                                                                                                                                                                                               |                | Islands: None                                      |                   | DISTURBANCE                                             |         | O1                                       |            | B1                                         |                     | B2                                        |               |
| Coupling: Coupled                                                                                                                                                                                                                      |                |                                                    |                   | INDICATORS                                              |         | <input type="checkbox"/>                 |            | <input type="checkbox"/>                   |                     | <input type="checkbox"/>                  |               |
| Confinement: Confined                                                                                                                                                                                                                  |                |                                                    |                   | C1                                                      |         | C2                                       |            | C3                                         |                     | C4                                        |               |
| Morphology: CP Cascade Pool                                                                                                                                                                                                            |                |                                                    |                   | C5                                                      |         | S1                                       |            | S2                                         |                     | S3                                        |               |
|                                                                                                                                                                                                                                        |                |                                                    |                   | S4                                                      |         | S5                                       |            |                                            |                     |                                           |               |
| COVER                                                                                                                                                                                                                                  |                |                                                    |                   |                                                         |         |                                          |            |                                            |                     |                                           |               |
| Total Cover: Abundant                                                                                                                                                                                                                  |                | Type: SWD                                          |                   | LWD                                                     |         | B                                        |            | U                                          |                     | DP                                        |               |
| LWD: Few                                                                                                                                                                                                                               |                | Amount: T                                          |                   | D                                                       |         | T                                        |            | T                                          |                     | S                                         |               |
| LWD Dist: Clumped                                                                                                                                                                                                                      |                | Location: P/S/O:                                   |                   | <input checked="" type="checkbox"/>                     |         | <input checked="" type="checkbox"/>      |            | <input checked="" type="checkbox"/>        |                     | <input checked="" type="checkbox"/>       |               |
|                                                                                                                                                                                                                                        |                |                                                    |                   | <input checked="" type="checkbox"/>                     |         | <input checked="" type="checkbox"/>      |            | <input checked="" type="checkbox"/>        |                     | <input checked="" type="checkbox"/>       |               |
| Right Bank: Shape: Sloping (g)                                                                                                                                                                                                         |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input type="checkbox"/>                         |         | Cobble <input type="checkbox"/>          |            | Boulder <input type="checkbox"/>           |                     | Rock <input type="checkbox"/>             |               |
| Left Bank: Shape: Sloping (g)                                                                                                                                                                                                          |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input type="checkbox"/>                         |         | Cobble <input type="checkbox"/>          |            | Boulder <input type="checkbox"/>           |                     | Rock <input type="checkbox"/>             |               |
| Right Bank: Rip.Veg: Coniferous                                                                                                                                                                                                        |                | Stage: Mature forest                               |                   |                                                         |         |                                          |            |                                            |                     | Manmade <input type="checkbox"/>          |               |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |                | Stage: Mature forest                               |                   |                                                         |         |                                          |            |                                            |                     | Manmade <input type="checkbox"/>          |               |
|                                                                                                                                                                                                                                        |                |                                                    |                   | Instream Veg: None <input checked="" type="checkbox"/>  |         | Algae <input type="checkbox"/>           |            | Moss <input type="checkbox"/>              |                     | Vascular <input type="checkbox"/>         |               |
| FEATURES                                                                                                                                                                                                                               |                |                                                    |                   |                                                         |         |                                          |            |                                            |                     |                                           |               |
| NID Map                                                                                                                                                                                                                                | NID            | Type                                               | Hgt               | Method                                                  | Lg      | Method                                   | Photo      |                                            | AirPhoto            |                                           | UTM (Z/E/N)   |
| 093M.084                                                                                                                                                                                                                               | 88031          | C                                                  | 7.0               | GE                                                      | 4       | GE                                       | R: 4       | F: 4                                       | L:                  | #:                                        | 9.608866.6195 |
| Comments: Barrier to upstream migration                                                                                                                                                                                                |                |                                                    |                   |                                                         |         |                                          |            |                                            |                     |                                           |               |
| FISH                                                                                                                                                                                                                                   |                |                                                    |                   |                                                         |         |                                          |            |                                            |                     |                                           |               |
| Site Number                                                                                                                                                                                                                            | Capture Method | Number of Events                                   | Length fished (m) | Total Time                                              | Voltage | Species                                  | Total Fish | Minimum Length (mm)                        | Maximum Length (mm) |                                           |               |
| 36                                                                                                                                                                                                                                     | EF             | 1                                                  | 100               | 169 sec                                                 | 900     | RB                                       | 6          | 69                                         | 86                  |                                           |               |
| 235                                                                                                                                                                                                                                    | EF             | 1                                                  | 100               | 210 sec                                                 | 400     | RB                                       | 15         | 55                                         | 125                 |                                           |               |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-69300-28300-0000-0000-000-000-000-000-000

Reach # 1.0 ILP Map # ILP # Site 36

### PROJECT

Project Name: Shelagyote Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000  
Project Code: 1550

### WATERSHED

Gazetted Name: Local Name: None  
Watershed Code: 480-195700-69300-28300-0000-000-000-000-000-000-000  
ILP Map#: ILP #: NID Map #: 093M.084 NID #: 22036 Reach #: 1.0 Site #: 36  
Field UTM (Z.E.N): .. Method: Site Lg: 200 Method: HC Access: H  
GIS UTM (Z.E.N): 9.608887.6194825 Ref. Name:  
Date: 2001/08/08 Time: 16:40 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    |     |       |       |       |       |       |       |       |       |       |       |      |            |           |     |     |      |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------------|-----------|-----|-----|------|
|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |            | Gadient % |     | Mtd | Avg  |
| Channel Width (m): | T   | 4.60  | 5.40  | 6.10  | 5.60  | 4.80  | 5.30  |       |       |       |       | 5.30 | Method I:  | 6.0       | 5.0 | C   | 5.00 |
| Wetted Width (m):  | T   | 3.60  | 3.20  | 2.80  | 3.40  | 2.60  | 3.50  |       |       |       |       | 3.18 | Method II: | 5.0       | 4.0 | C   |      |
| Pool Depth (m):    | MS  | 0.52  | 0.62  | 0.75  | 0.48  | 0.61  | 0.75  |       |       |       |       | 0.62 |            |           |     |     |      |

Wb Depth: .7 .8 .6 Avg: 0.70 Method: MS Stage: L ☐ M ☒ H ☐ No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                                   | U                                   | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | D                                   | T                                   | T                                   | S                                   | T                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

LWD: F DIST: C

LB SHP: S

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: C

STG: MF

RB SHP: S

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: C

STG: MF

### WATER

EMS: Req #: Cond.: 40 Method: S3  
Temp: 7 Method: T4 Method: P2 Method: GE  
pH: 7.8 Method: GE  
Flood Signs: None Method: GE  
Turb.: T ☐ M ☐ L ☐ C ☒

### MORPHOLOGY

Bed Material: Dominant: C Subdom: G O1 B1 B2 B3 D1 D2 D3  
D95: 65.0 D (cm): 20.00 Morph: CP DISTURBANCE INDICATORS  
Pattern: SI C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: N  
Coupling: CO  
Confinement: CO  
FSZ: ☐ Bars: N ☐ SIDE ☒ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### FEATURES

| NID Map  | NID   | Type | Hgt | Method | Lg | Method | Photo        | AirPhoto | UTM (Z/E/N)      | Method |
|----------|-------|------|-----|--------|----|--------|--------------|----------|------------------|--------|
| 093M.084 | 88031 | C    | 7.0 | GE     | 4  | GE     | R: 4 F: 4 L: | #:       | 9.608866.6195021 | GIS    |

Comments: Barrier to upstream migration

### HABITAT QUALITY

| Name               | Comments                                         |
|--------------------|--------------------------------------------------|
| OverWinter Habitat | Present                                          |
| Spawning Habitat   | Poor-substrates are too large for resident trout |
| Rearing Habitat    | Moderate-abundant pools and cover                |



# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-69300-28300-0000-0000-000-000-000-000-000

Reach #    ILP Map #    ILP #    Site  
1.0             36

| PHOTOS   |   |    |   |                                 |     |                                        |
|----------|---|----|---|---------------------------------|-----|----------------------------------------|
| Photo    |   |    |   | Foc Lg                          | Dir | Comments                               |
| R:       | 4 | F: | 2 | STD                             | U   | Upstream photo of cascade/pool habitat |
| R:       | 4 | F: | 3 | STD                             | D   | Downstream photo of stream habitat     |
| R:       | 4 | F: | 4 | STD                             | NS  | Photo of a 7 m cascade                 |
| COMMENTS |   |    |   |                                 |     |                                        |
| Section  |   |    |   | Comments                        |     |                                        |
| CHANNEL  |   |    |   | RB captured upstream of barrier |     |                                        |
| CHANNEL  |   |    |   | S2 Stream                       |     |                                        |

# FDIS Fish Card

## Shelagoyote River Planning Area

Watershed Code: 480-195700-69300-28300-0000-0000-000-000-000-000-000

Reach # 1.0  
ILP Map #  
ILP #

| WATERBODY                                                     |  |         |  |                  |                |                |                 |              |              |             |                                    |
|---------------------------------------------------------------|--|---------|--|------------------|----------------|----------------|-----------------|--------------|--------------|-------------|------------------------------------|
| Gazetted Name:                                                |  |         |  |                  | Local: None    |                |                 |              |              |             |                                    |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-0   |  |         |  |                  |                |                |                 |              |              |             |                                    |
| WS Code: 480-195700-69300-28300-0000-0000-000-000-000-000-000 |  |         |  |                  |                |                |                 |              |              |             |                                    |
| Waterbody ID:                                                 |  |         |  |                  | ILP Map #:     |                | ILP #:          |              | Reach #: 1 - |             |                                    |
| Project ID: 1550                                              |  |         |  |                  | Lake/Stream: S |                | Lake From Date: |              |              |             |                                    |
| Fish Permit #:                                                |  | 145084K |  | Date: 2001/08/08 |                | To: 2001/08/08 |                 | Agency: C172 |              | Crew: JD/EL | Resample: <input type="checkbox"/> |

| SITE / METHOD |          |       |                          |  |          |      |      |        |         |
|---------------|----------|-------|--------------------------|--|----------|------|------|--------|---------|
| Site#         | NID Map  | NID # | UTM:Zone/East/North/Mthd |  | MTD/NO   | Temp | Cond | Turbid | Comment |
| 235           | 093M.084 | 20035 |                          |  | GPU EF 1 | 6    | 50   | C      |         |
| 36            | 093M.084 | 22036 |                          |  | GPU EF 1 | 7    | 40   | C      |         |

| A. GEAR SETTINGS |        |     |            |         |            |          |         |
|------------------|--------|-----|------------|---------|------------|----------|---------|
| Site#            | MTD/NO | H/P | Date In    | Time In | Date Out   | Time Out | Comment |
| 36               | EF 1   | 1   | 2001/08/08 | 16:40   | 2001/08/08 | 17:20    |         |
| 235              | EF 1   | 1   | 2001/08/08 | 15:25   | 2001/08/08 | 15:40    |         |

| C. ELECTROFISHER SPECIFICATIONS |        |     |      |     |        |       |         |           |       |      |            |
|---------------------------------|--------|-----|------|-----|--------|-------|---------|-----------|-------|------|------------|
| Site#                           | MTD/NO | H/P | Encl | Sec | Length | Width | Voltage | Frequency | Pulse | Make | Model      |
| 36                              | EF     | 1   | 1    | O   | 169    | 100.0 | 3.0     | 900       | 70    | 6    | SMITH ROOT |
| 235                             | EF     | 1   | 1    | O   | 210    | 100.0 | 2.0     | 400       | 60    | 6    | SMITH ROOT |

| FISH SUMMARY |        |     |         |       |     |         |                |         |         |  |
|--------------|--------|-----|---------|-------|-----|---------|----------------|---------|---------|--|
| Site#        | MTD/NO | H/P | Species | Stage | Age | Total # | Lgth (Min/Max) | FishAct | Comment |  |
| 36           | EF     | 1   | 1       | RB    | J   | 6       | 69 86          | R       |         |  |
| 235          | EF     | 1   | 1       | RB    | A   | 3+      | 5 100 125      | R       |         |  |
| 235          | EF     | 1   | 1       | RB    | J   | 2+      | 10 55 80       | R       |         |  |

| INDIVIDUAL FISH DATA |        |   |     |         |        |        |     |     |           |     |  |      |           |  |        |        |         |
|----------------------|--------|---|-----|---------|--------|--------|-----|-----|-----------|-----|--|------|-----------|--|--------|--------|---------|
| Site#                | MTD/NO |   | H/P | Species | Length | Weight | Sex | Mat | Age       |     |  | Vch# | Genetic   |  | Roll # | Frame# | Comment |
|                      |        |   |     |         |        |        |     |     | Str/Smpl# | Age |  |      | Str/Smpl# |  |        |        |         |
| 36                   | EF     | 1 | 1   | RB      | 86     |        | U   | U   |           |     |  |      |           |  |        |        |         |
| 36                   | EF     | 1 | 1   | RB      | 82     |        | U   | U   |           |     |  |      |           |  |        |        |         |
| 36                   | EF     | 1 | 1   | RB      | 69     |        | U   | U   |           |     |  |      |           |  |        |        |         |
| 36                   | EF     | 1 | 1   | RB      | 78     |        | U   | U   |           |     |  |      |           |  |        |        |         |
| 36                   | EF     | 1 | 1   | RB      | 75     |        | U   | U   |           |     |  |      |           |  |        |        |         |
| 36                   | EF     | 1 | 1   | RB      | 70     |        | U   | U   |           |     |  |      |           |  |        |        |         |
| 235                  | EF     | 1 | 1   | RB      | 35     |        | U   | U   |           |     |  |      |           |  |        |        |         |
| 235                  | EF     | 1 | 1   | RB      | 60     |        | U   | U   |           |     |  |      |           |  |        |        |         |
| 235                  | EF     | 1 | 1   | RB      | 60     |        | U   | U   |           |     |  |      |           |  |        |        |         |
| 235                  | EF     | 1 | 1   | RB      | 60     |        | U   | U   |           |     |  |      |           |  |        |        |         |
| 235                  | EF     | 1 | 1   | RB      | 65     |        | U   | U   |           |     |  |      |           |  |        |        |         |
| 235                  | EF     | 1 | 1   | RB      | 65     |        | U   | U   |           |     |  |      |           |  |        |        |         |
| 235                  | EF     | 1 | 1   | RB      | 70     |        | U   | U   |           |     |  |      |           |  |        |        |         |
| 235                  | EF     | 1 | 1   | RB      | 75     |        | U   | U   |           |     |  |      |           |  |        |        |         |
| 235                  | EF     | 1 | 1   | RB      | 75     |        | U   | U   |           |     |  |      |           |  |        |        |         |
| 235                  | EF     | 1 | 1   | RB      | 80     |        | U   | U   |           |     |  |      |           |  |        |        |         |
| 235                  | EF     | 1 | 1   | RB      | 100    |        | U   | U   |           |     |  |      |           |  |        |        |         |
| 235                  | EF     | 1 | 1   | RB      | 100    |        | U   | U   |           |     |  |      |           |  |        |        |         |
| 235                  | EF     | 1 | 1   | RB      | 100    |        | U   | U   |           |     |  |      |           |  |        |        |         |
| 235                  | EF     | 1 | 1   | RB      | 105    |        | U   | U   |           |     |  |      |           |  |        |        |         |
| 235                  | EF     | 1 | 1   | RB      | 125    |        | U   | U   |           |     |  |      |           |  |        |        |         |





Site #36, Upstream photo of cascade/pool habitat.  
Roll #4, Frame #2, Date: 2001/08/08



Site #36, Downstream photo of stream habitat.  
Roll #4, Frame #3, Date: 2001/08/08





Site #36, Photo of a 7 m cascade.  
Roll #4, Frame #4, Date: 2001/08/08



# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Watershed Code: 480-195700-69200-00000-00000-00000-00000-00000-00000

Reach # ILP Map # ILP #

9.0

| STREAM REFERENCING                                                                                                                                                                                                                     |                |                                         |                   |                                                         |             |                                            |            |                                             |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------|-------------------|---------------------------------------------------------|-------------|--------------------------------------------|------------|---------------------------------------------|---------------------|
| Gazetted Name:                                                                                                                                                                                                                         |                |                                         |                   |                                                         | Local Name: |                                            |            |                                             |                     |
| Watershed Code: 480-195700-69200-00000-00000-00000-00000-00000-00000                                                                                                                                                                   |                |                                         |                   |                                                         | ILP Map #:  |                                            | ILP #:     |                                             |                     |
| REACH                                                                                                                                                                                                                                  |                |                                         |                   |                                                         |             |                                            |            |                                             |                     |
| Reach #: 9.0                                                                                                                                                                                                                           |                | UTM(Zone/East/North): 9.612916.6190409  |                   |                                                         |             | Sample Type: Random                        |            |                                             |                     |
| Length (km): 1.43                                                                                                                                                                                                                      |                | Coupling: Partially Couple              |                   | Magnitude: 13                                           |             | BGC Zone: ESSF                             |            |                                             |                     |
| Gradient (%): 8.7                                                                                                                                                                                                                      |                | Confinement: Occasionally Conf          |                   | Order: 3                                                |             | Open water: Absent                         |            |                                             |                     |
| US Elev (m): 1272                                                                                                                                                                                                                      |                | Islands: NONE                           |                   | Riparian Vegetation: Coniferous                         |             |                                            |            |                                             |                     |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                |                                         |                   |                                                         |             |                                            |            |                                             |                     |
| SITE                                                                                                                                                                                                                                   |                |                                         |                   |                                                         |             |                                            |            |                                             |                     |
| Site #: 37                                                                                                                                                                                                                             |                | Field UTM ..                            |                   | Agency: C172                                            |             | Crew: JD/EL                                |            | Date: 2001/08/08                            |                     |
| Site Length (m): 100                                                                                                                                                                                                                   |                | GIS UTM 9.612231.6190084                |                   | Agency Name: Triton Environmental Consultants (Terrace) |             |                                            |            |                                             |                     |
| CHANNEL                                                                                                                                                                                                                                |                |                                         |                   |                                                         |             |                                            |            |                                             |                     |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |                | Intermittent: <input type="checkbox"/>  |                   | Avg                                                     |             | Min                                        |            | Max                                         |                     |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |                | Tribes.: <input type="checkbox"/>       |                   | Channel Width (m): 7.12                                 |             | 5.800                                      |            | 8.600                                       |                     |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |                |                                         |                   | Wetted Width (m): 3.68                                  |             | 2.900                                      |            | 4.300                                       |                     |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |                |                                         |                   | Bankfull Depth (m): 0.87                                |             | 0.8                                        |            | 0.9                                         |                     |
| High <input type="checkbox"/>                                                                                                                                                                                                          |                | Temp (C): 8                             |                   | pH: 7.9                                                 |             | Conductivity: 40                           |            |                                             |                     |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |             | Turbidity: Turbid <input type="checkbox"/> |            | Low <input type="checkbox"/>                |                     |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |             |                                            |            | Moderate <input type="checkbox"/>           |                     |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |             |                                            |            | Clear <input checked="" type="checkbox"/>   |                     |
| MORPHOLOGY                                                                                                                                                                                                                             |                |                                         |                   |                                                         |             |                                            |            |                                             |                     |
| Bed Material: Dominant: Boulders                                                                                                                                                                                                       |                | D95 (cm): 90.00                         |                   | Bars: Non <input checked="" type="checkbox"/>           |             | Side <input type="checkbox"/>              |            | Diagonal <input type="checkbox"/>           |                     |
| Subdominant: Cobble                                                                                                                                                                                                                    |                | D (cm): 45.00                           |                   |                                                         |             | Mid-channel <input type="checkbox"/>       |            | Span <input type="checkbox"/>               |                     |
| Channel Pattern: Sinuous                                                                                                                                                                                                               |                | Islands: None                           |                   | DISTURBANCE INDICATORS                                  |             | O1                                         |            | B1                                          |                     |
| Coupling: Partially Coupled                                                                                                                                                                                                            |                |                                         |                   |                                                         |             | B2                                         |            | B3                                          |                     |
| Confinement: Occasionally Confine                                                                                                                                                                                                      |                |                                         |                   |                                                         |             | D1                                         |            | D2                                          |                     |
| Morphology: CP Cascade Pool                                                                                                                                                                                                            |                |                                         |                   |                                                         |             | D3                                         |            |                                             |                     |
|                                                                                                                                                                                                                                        |                |                                         |                   | C1                                                      |             | C2                                         |            | C3                                          |                     |
|                                                                                                                                                                                                                                        |                |                                         |                   | C4                                                      |             | C5                                         |            | S1                                          |                     |
|                                                                                                                                                                                                                                        |                |                                         |                   | S2                                                      |             | S3                                         |            | S4                                          |                     |
|                                                                                                                                                                                                                                        |                |                                         |                   | S5                                                      |             |                                            |            |                                             |                     |
| COVER                                                                                                                                                                                                                                  |                |                                         |                   |                                                         |             |                                            |            |                                             |                     |
| Total Cover: Abundant                                                                                                                                                                                                                  |                | Type: SWD                               |                   | LWD                                                     |             | B                                          |            | U                                           |                     |
| LWD: Abundant                                                                                                                                                                                                                          |                | Amount: T                               |                   | S                                                       |             | D                                          |            | N                                           |                     |
| LWD Dist: Clumped                                                                                                                                                                                                                      |                | Location: P/S/O:                        |                   | <input checked="" type="checkbox"/>                     |             | <input checked="" type="checkbox"/>        |            | <input checked="" type="checkbox"/>         |                     |
|                                                                                                                                                                                                                                        |                |                                         |                   | <input checked="" type="checkbox"/>                     |             | <input checked="" type="checkbox"/>        |            | <input checked="" type="checkbox"/>         |                     |
| Right Bank: Shape: Sloping (g)                                                                                                                                                                                                         |                | Texture: Fines <input type="checkbox"/> |                   | Gravel <input type="checkbox"/>                         |             | Cobble <input checked="" type="checkbox"/> |            | Boulder <input checked="" type="checkbox"/> |                     |
| Left Bank: Shape: Sloping (g)                                                                                                                                                                                                          |                | Texture: Fines <input type="checkbox"/> |                   | Gravel <input type="checkbox"/>                         |             | Cobble <input checked="" type="checkbox"/> |            | Boulder <input checked="" type="checkbox"/> |                     |
| Right Bank: Rip.Veg: Coniferous                                                                                                                                                                                                        |                | Stage: Mature forest                    |                   |                                                         |             |                                            |            | Crown Closure                               |                     |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |                | Stage: Mature forest                    |                   |                                                         |             |                                            |            | 1-20%                                       |                     |
|                                                                                                                                                                                                                                        |                |                                         |                   | Instream Veg: None <input checked="" type="checkbox"/>  |             | Algae <input type="checkbox"/>             |            | Moss <input type="checkbox"/>               |                     |
|                                                                                                                                                                                                                                        |                |                                         |                   |                                                         |             |                                            |            | Vascular <input type="checkbox"/>           |                     |
| FISH                                                                                                                                                                                                                                   |                |                                         |                   |                                                         |             |                                            |            |                                             |                     |
| Site Number                                                                                                                                                                                                                            | Capture Method | Number of Events                        | Length fished (m) | Total Time                                              | Voltage     | Species                                    | Total Fish | Minimum Length (mm)                         | Maximum Length (mm) |
| 37                                                                                                                                                                                                                                     | EF             | 1                                       | 100               | 169 sec                                                 | 900         | DV                                         | 5          | 75                                          | 115                 |



# FDIS Site Card

## Shelagoyote River Planning Area

Watershed Code: 480-195700-69200-00000-00000-00000-00000-00000-00000-00000

Reach # 9.0 ILP Map # ILP # Site 37

### PROJECT

Project Name: Shelagoyote Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000  
Project Code: 1550

### WATERSHED

Gazetted Name: Local Name: None  
Watershed Code: 480-195700-69200-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000  
ILP Map#: ILP #: NID Map #: 093M.084 NID #: 22037 Reach #: 9.0 Site #: 37  
Field UTM (Z.E.N): .. Method: Site Lg: 100 Method: HC Access: H  
GIS UTM (Z.E.N): 9.612231.6190084 Ref. Name:  
Date: 2001/08/08 Time: 17:30 Agency: C172 Crew: JD/EL Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |            | Gadient % | Mtd  | Avg |       |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------------|-----------|------|-----|-------|
| Channel Width (m): | T   | 6.50  | 8.20  | 7.30  | 8.60  | 5.80  | 6.30  |       |       |       |       | 7.12 | Method I:  | 14.0      | 12.0 | C   | 13.00 |
| Wetted Width (m):  | T   | 3.60  | 4.10  | 4.00  | 3.20  | 4.30  | 2.90  |       |       |       |       | 3.68 | Method II: | 12.0      | 14.0 | C   |       |
| Pool Depth (m):    | MS  | 0.62  | 0.57  | 0.48  | 0.63  | 0.52  | 0.41  |       |       |       |       | 0.54 |            |           |      |     |       |

Wb Depth: .8 .9 .9 Avg: 0.87 Method: MS Stage: L ☐ M ☒ H ☐ No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                                 | LWD                                 | B                                   | U                        | DP                                  | OV                                  | IV                       |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Amount:     | T                                   | S                                   | D                                   | N                        | S                                   | T                                   | N                        |
| Loc: P/S/O: | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

LWD: A DIST: C

LB SHP: S

Texture: F ☐ G ☐ C ☒ B ☒ R ☐ A ☐

RIP: C

STG: MF

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

RB SHP: S

Texture: F ☐ G ☐ C ☒ B ☒ R ☐ A ☐

RIP: C

STG: MF

### WATER

EMS: Temp: 8 Method: T4 Req #: Cond.: 40 Method: S3  
pH: 7.9 Method: P2 Turb.: T ☐ M ☐ L ☐ C ☒ Method: GE  
Flood Signs: LWD Method: GE

### MORPHOLOGY

Bed Material: Dominant: B Subdom: C O1 B1 B2 B3 D1 D2 D3  
D95: 90.0 D (cm): 45.00 Morph: CP DISTURBANCE INDICATORS ☐ ☐ ☐ ☐ ☐ ☒ ☐  
Pattern: SI C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: N ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐  
Coupling: PC Bars: N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR ☐  
Confinement: OC  
FSZ: ☐

### HABITAT QUALITY

| Name               | Comments                                                        |
|--------------------|-----------------------------------------------------------------|
| OverWinter Habitat | Present                                                         |
| Spawning Habitat   | Poor - substrate too large for resident fish, gradient too high |
| Rearing Habitat    | Moderate - abundant cover and LWD plunge pools                  |

### PHOTOS

| Photo     | Foc Lg | Dir | Comments                                 |
|-----------|--------|-----|------------------------------------------|
| R: 4 F: 5 | STD    | U   | Upstream photo of LWD plunge pools       |
| R: 4 F: 6 | STD    | D   | Downstream photo of cascade/pool habitat |



**FDIS Site Card**

**Shelagyote River Planning Area**

Watershed Code: 480-195700-69200-00000-0000-0000-000-000-000-000-000

Reach #    ILP Map #    .    ILP #    Site  
9.0                         37

| COMMENTS |                  |
|----------|------------------|
| Section  | Comments         |
| CHANNEL  | S2 - DV captured |







Site #37, Upstream photo of LWD plunge pools.  
Roll #4, Frame #5, Date: 2001/08/08



Site #37, Downstream photo of cascade/pool habitat.  
Roll #4, Frame #6, Date: 2001/08/08



# FDIS Reach/Site Summary

## Shelagyote River Planning Area

Watershed Code: 480-195700-69200-00000-0000-0000-000-000-000-000

Reach # ILP Map # ILP #

12.0

| STREAM REFERENCING                                                                                                                                                                                                                     |                |                                                    |                   |                                                         |         |                                             |            |                                            |                     |                                           |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------|-------------------|---------------------------------------------------------|---------|---------------------------------------------|------------|--------------------------------------------|---------------------|-------------------------------------------|---------------|
| Gazetted Name:                                                                                                                                                                                                                         |                |                                                    |                   |                                                         |         | Local Name:                                 |            |                                            |                     |                                           |               |
| Watershed Code: 480-195700-69200-00000-0000-0000-000-000-000-000                                                                                                                                                                       |                |                                                    |                   |                                                         |         | ILP Map #:                                  |            | ILP #:                                     |                     |                                           |               |
| REACH                                                                                                                                                                                                                                  |                |                                                    |                   |                                                         |         |                                             |            |                                            |                     |                                           |               |
| Reach #: 12.0                                                                                                                                                                                                                          |                | UTM(Zone/East/North): 9.614352.6191376             |                   |                                                         |         | Sample Type: Biased                         |            |                                            |                     |                                           |               |
| Length (km): .47                                                                                                                                                                                                                       |                | Coupling: Coupled                                  |                   | Magnitude: 8                                            |         | BGC Zone: AT                                |            |                                            |                     |                                           |               |
| Gradient (%): 7.5                                                                                                                                                                                                                      |                | Confinement: Frequently Confin                     |                   | Order: 3                                                |         | Open water: Absent                          |            |                                            |                     |                                           |               |
| US Elev (m): 1542                                                                                                                                                                                                                      |                | Islands: NONE                                      |                   | Riparian Vegetation: Shrubs                             |         |                                             |            |                                            |                     |                                           |               |
| Bars: None <input checked="" type="checkbox"/> Side <input type="checkbox"/> Diagonal <input type="checkbox"/> Mid-channel <input type="checkbox"/> Span <input type="checkbox"/> Braid <input type="checkbox"/> Landuse: None/natural |                |                                                    |                   |                                                         |         |                                             |            |                                            |                     |                                           |               |
| SITE                                                                                                                                                                                                                                   |                |                                                    |                   |                                                         |         |                                             |            |                                            |                     |                                           |               |
| Site #: 38                                                                                                                                                                                                                             |                | Field UTM ..                                       |                   | Agency: C172                                            |         | Crew: JD/RB                                 |            | Date: 2001/08/09                           |                     |                                           |               |
| Site Length (m): 200                                                                                                                                                                                                                   |                | GIS UTM 9.614326.6191301                           |                   | Agency Name: Triton Environmental Consultants (Terrace) |         |                                             |            |                                            |                     |                                           |               |
| CHANNEL                                                                                                                                                                                                                                |                |                                                    |                   |                                                         |         |                                             |            |                                            |                     |                                           |               |
| No Vis.Ch.: <input type="checkbox"/>                                                                                                                                                                                                   |                | Intermittent: <input type="checkbox"/>             |                   | Avg                                                     |         | Min                                         |            | Max                                        |                     | #                                         |               |
| Dewatered: <input type="checkbox"/>                                                                                                                                                                                                    |                | Tribes.: <input type="checkbox"/>                  |                   | Channel Width (m):                                      |         | 3.10                                        |            | 2.6                                        |                     | 3.700                                     |               |
| Stage: Low <input type="checkbox"/>                                                                                                                                                                                                    |                |                                                    |                   | Wetted Width (m):                                       |         | 1.95                                        |            | 1.600                                      |                     | 2.3                                       |               |
| Med <input checked="" type="checkbox"/>                                                                                                                                                                                                |                |                                                    |                   | Bankfull Depth (m):                                     |         | 0.47                                        |            | 0.4                                        |                     | 0.5                                       |               |
| High <input type="checkbox"/>                                                                                                                                                                                                          |                | Temp (C): 5                                        |                   | pH: 7.9                                                 |         | Conductivity: 40                            |            |                                            |                     |                                           |               |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |         |                                             |            | Turbidity: Turbid <input type="checkbox"/> |                     | Low <input type="checkbox"/>              |               |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |         |                                             |            | Moderate <input type="checkbox"/>          |                     | Clear <input checked="" type="checkbox"/> |               |
| MORPHOLOGY                                                                                                                                                                                                                             |                |                                                    |                   |                                                         |         |                                             |            |                                            |                     |                                           |               |
| Bed Material: Dominant: Cobble                                                                                                                                                                                                         |                | D95 (cm): 40.00                                    |                   | Bars: Non <input checked="" type="checkbox"/>           |         | Side <input type="checkbox"/>               |            | Diagonal <input type="checkbox"/>          |                     | Mid-channel <input type="checkbox"/>      |               |
| Subdominant: Boulders                                                                                                                                                                                                                  |                | D (cm): 25.00                                      |                   |                                                         |         |                                             |            |                                            |                     | Span <input type="checkbox"/>             |               |
| Channel Pattern: Sinuous                                                                                                                                                                                                               |                | Islands: None                                      |                   | DISTURBANCE                                             |         | O1                                          |            | B1                                         |                     | B2                                        |               |
| Coupling: Decoupled                                                                                                                                                                                                                    |                |                                                    |                   | INDICATORS                                              |         |                                             |            |                                            |                     | D3                                        |               |
| Confinement: Occasionally Confine                                                                                                                                                                                                      |                |                                                    |                   | C1                                                      |         | C2                                          |            | C3                                         |                     | C4                                        |               |
| Morphology: CP Cascade Pool                                                                                                                                                                                                            |                |                                                    |                   |                                                         |         | S1                                          |            | S2                                         |                     | S3                                        |               |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |         |                                             |            |                                            |                     | S4                                        |               |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |         |                                             |            |                                            |                     | S5                                        |               |
| COVER                                                                                                                                                                                                                                  |                |                                                    |                   |                                                         |         |                                             |            |                                            |                     |                                           |               |
| Total Cover: Abundant                                                                                                                                                                                                                  |                | Type: SWD                                          |                   | LWD                                                     |         | B                                           |            | U                                          |                     | DP                                        |               |
| LWD: None                                                                                                                                                                                                                              |                | Amount: N                                          |                   | N                                                       |         | D                                           |            | S                                          |                     | N                                         |               |
| LWD Dist: Not Applicable                                                                                                                                                                                                               |                | Location: P/S/O:                                   |                   | <input type="checkbox"/>                                |         | <input type="checkbox"/>                    |            | <input checked="" type="checkbox"/>        |                     | <input checked="" type="checkbox"/>       |               |
|                                                                                                                                                                                                                                        |                |                                                    |                   | <input type="checkbox"/>                                |         | <input type="checkbox"/>                    |            | <input type="checkbox"/>                   |                     | <input checked="" type="checkbox"/>       |               |
| Right Bank: Shape: Overhang                                                                                                                                                                                                            |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input checked="" type="checkbox"/>              |         | Cobble <input type="checkbox"/>             |            | Boulder <input type="checkbox"/>           |                     | Rock <input type="checkbox"/>             |               |
| Left Bank: Shape: Overhang                                                                                                                                                                                                             |                | Texture: Fines <input checked="" type="checkbox"/> |                   | Gravel <input checked="" type="checkbox"/>              |         | Cobble <input type="checkbox"/>             |            | Boulder <input type="checkbox"/>           |                     | Rock <input type="checkbox"/>             |               |
| Right Bank: Rip.Veg: Shrubs                                                                                                                                                                                                            |                | Stage: Shrub/herb stage                            |                   |                                                         |         |                                             |            |                                            |                     | Crown Closure                             |               |
| Left Bank: Rip.Veg:                                                                                                                                                                                                                    |                | Stage: Shrub/herb stage                            |                   |                                                         |         |                                             |            |                                            |                     | 0%                                        |               |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |         | Instream Veg: None <input type="checkbox"/> |            | Algae <input type="checkbox"/>             |                     | Moss <input checked="" type="checkbox"/>  |               |
|                                                                                                                                                                                                                                        |                |                                                    |                   |                                                         |         |                                             |            |                                            |                     | Vascular <input type="checkbox"/>         |               |
| FEATURES                                                                                                                                                                                                                               |                |                                                    |                   |                                                         |         |                                             |            |                                            |                     |                                           |               |
| NID Map                                                                                                                                                                                                                                | NID            | Type                                               | Hgt               | Method                                                  | Lg      | Method                                      | Photo      |                                            | AirPhoto            |                                           | UTM (Z/E/N)   |
| 093M.085                                                                                                                                                                                                                               | 88040          | F                                                  | 7.0               | GE                                                      | 1       | GE                                          | R: 4       | F: 9                                       | L:                  | #:                                        | 9.613913.6191 |
| Comments: Barrier to upstream fish migration                                                                                                                                                                                           |                |                                                    |                   |                                                         |         |                                             |            |                                            |                     |                                           |               |
| FISH                                                                                                                                                                                                                                   |                |                                                    |                   |                                                         |         |                                             |            |                                            |                     |                                           |               |
| Site Number                                                                                                                                                                                                                            | Capture Method | Number of Events                                   | Length fished (m) | Total Time                                              | Voltage | Species                                     | Total Fish | Minimum Length (mm)                        | Maximum Length (mm) |                                           |               |
| 38                                                                                                                                                                                                                                     | EF             | 1                                                  | 200               | 236 sec                                                 | 900     | NFC                                         | 0          |                                            |                     |                                           |               |



# FDIS Site Card

## Shelagoyote River Planning Area

Watershed Code: 480-195700-69200-00000-00000-00000-00000-00000-00000-00000-00000

Reach # 12.0 ILP Map # ILP # Site 38

### PROJECT

Project Name: Shelagoyote Inventory  
Stream Name (gaz.): BABINE RIVER  
Project Watershed Code: 480-000000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000  
Project Code: 1550

### WATERSHED

Gazetted Name: Local Name: None  
Watershed Code: 480-195700-69200-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000  
ILP Map#: ILP #: NID Map #: 093M.085 NID #: 22038 Reach #: 12.0 Site #: 38  
Field UTM (Z.E.N): .. Method: Site Lg: 200 Method: MAP Access: H  
GIS UTM (Z.E.N): 9.614326.6191301 Ref. Name:  
Date: 2001/08/09 Time: 09:00 Agency: C172 Crew: JD/RB Fish Crd?: ☒ Incomplete: ☐

### CHANNEL

|                    | Mtd | width | width | width | width | width | width | width | width | width | width | Avg  |            | Gadient % |     | Mtd | Avg  |
|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------------|-----------|-----|-----|------|
| Channel Width (m): | MS  | 2.80  | 3.40  | 2.60  | 3.70  | 3.20  | 2.90  |       |       |       |       | 3.10 | Method I:  | 5.0       | 4.0 | C   | 4.50 |
| Wetted Width (m):  | MS  | 1.60  | 1.90  | 2.20  | 1.90  | 2.30  | 1.80  |       |       |       |       | 1.95 | Method II: | 6.0       | 3.0 | C   |      |
| Pool Depth (m):    | MS  | 0.31  | 0.26  | 0.32  | 0.30  | 0.15  | 0.10  |       |       |       |       | 0.24 |            |           |     |     |      |

Wb Depth: .5 .5 .4 Avg: 0.47 Method: MS Stage: L ☐ M ☒ H ☐ No Vis.Ch.: ☐ Intermittent: ☐  
Dw: ☐ Tribs.: ☐

COVER Total: A

| Type:       | SWD                      | LWD                      | B                                   | U                                   | DP                       | OV                                  | IV                                  |
|-------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|
| Amount:     | N                        | N                        | D                                   | S                                   | N                        | T                                   | T                                   |
| Loc: P/S/O: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

LWD: N

DIST: NA

LB SHP: O

Texture: F ☒ G ☒ C ☐ B ☐ R ☐ A ☐

RIP: S

STG: SHR

CROWN CLOSURE

0 0%

INSTREAM VEG: N ☐ A ☐ M ☒ V ☐

RB SHP: O

Texture: F ☒ G ☒ C ☐ B ☐ R ☐ A ☐

RIP: S

STG: SHR

### WATER

EMS: Temp: 5 Method: T4 Req #: Cond.: 40 Method: S3  
pH: 7.9 Method: P2 Turb.: T ☐ M ☐ L ☐ C ☒ Method: GE  
Flood Signs: none Method: GE

### MORPHOLOGY

Bed Material: Dominant: C Subdom: B O1 B1 B2 B3 D1 D2 D3  
D95: 40.0 D (cm): 25.00 Morph: CP DISTURBANCE INDICATORS  
Pattern: SI C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
Islands: N  
Coupling: DC  
Confinement: OC  
FSZ: ☐ Bars: N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR ☐

### FEATURES

| NID Map  | NID   | Type | Hgt | Method | Lg | Method | Photo        | AirPhoto | UTM (Z/E/N)      | Method |
|----------|-------|------|-----|--------|----|--------|--------------|----------|------------------|--------|
| 093M.085 | 88040 | F    | 7.0 | GE     | 1  | GE     | R: 4 F: 9 L: | #:       | 9.613913.6191010 | GIS    |

Comments: Barrier to upstream fish migration

### HABITAT QUALITY

| Name               | Comments                                             |
|--------------------|------------------------------------------------------|
| OverWinter Habitat | None                                                 |
| Spawning Habitat   | Poor - substrates are too large                      |
| Rearing Habitat    | Poor - high energy stream with limited holding water |

# FDIS Site Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-69200-00000-00000-000-000-000-000-000-000

Reach # 12.0 ILP Map # ILP # Site 38

| PHOTOS   |   |        |                                                              |          |                            |
|----------|---|--------|--------------------------------------------------------------|----------|----------------------------|
| Photo    |   | Foc Lg | Dir                                                          | Comments |                            |
| R:       | 4 | F: 7   | STD                                                          | U        | Upstream photo of rapids   |
| R:       | 4 | F: 8   | STD                                                          | D        | Downstream photo of rapids |
| R:       | 4 | F: 9   | STD                                                          | NS       | Photo of 7 m falls         |
| COMMENTS |   |        |                                                              |          |                            |
| Section  |   |        | Comments                                                     |          |                            |
| CHANNEL  |   |        | S5 stream - falls downstream prevent upstream fish migration |          |                            |



# FDIS Fish Card

## Shelagyote River Planning Area

Watershed Code: 480-195700-69200-00000-0000-0000-000-000-000-000-000

Reach # 12.0  
ILP Map #  
ILP #

| WATERBODY                                                     |          |       |                          |            |                |                |                |                 |             |               |                                    |     |  |
|---------------------------------------------------------------|----------|-------|--------------------------|------------|----------------|----------------|----------------|-----------------|-------------|---------------|------------------------------------|-----|--|
| Gazetted Name:                                                |          |       |                          |            |                | Local: None    |                |                 |             |               |                                    |     |  |
| Project Code: 480-000000-00000-00000-0000-000-000-000-000-0   |          |       |                          |            |                |                |                |                 |             |               |                                    |     |  |
| WS Code: 480-195700-69200-00000-0000-0000-000-000-000-000-000 |          |       |                          |            |                |                |                |                 |             |               |                                    |     |  |
| Waterbody ID:                                                 |          |       |                          |            |                | ILP Map #:     |                | ILP #:          |             | Reach #: 12 - |                                    |     |  |
| Project ID: 1550                                              |          |       |                          |            |                | Lake/Stream: S |                | Lake From Date: |             |               |                                    |     |  |
| Fish Permit #: 145084K                                        |          |       | Date: 2001/08/09         |            | To: 2001/08/09 |                | Agency: C172   |                 | Crew: JD/RB |               | Resample: <input type="checkbox"/> |     |  |
| SITE / METHOD                                                 |          |       |                          |            |                |                |                |                 |             |               |                                    |     |  |
| Site#                                                         | NID Map  | NID # | UTM:Zone/East/North/Mthd |            |                | MTD/NO         | Temp           | Cond            | Turbid      | Comment       |                                    |     |  |
| 38                                                            | 093M.085 | 22038 |                          |            |                | GPU EF 1       | 8              | 40              | C           |               |                                    |     |  |
| A. GEAR SETTINGS                                              |          |       |                          |            |                |                |                |                 |             |               |                                    |     |  |
| Site#                                                         | MTD/NO   | H/P   | Date In                  | Time In    | Date Out       | Time Out       | Comment        |                 |             |               |                                    |     |  |
| 38                                                            | EF       | 1     | 1                        | 2001/08/09 | 09:00          | 2001/08/09     | 09:35          |                 |             |               |                                    |     |  |
| C. ELECTROFISHER SPECIFICATIONS                               |          |       |                          |            |                |                |                |                 |             |               |                                    |     |  |
| Site#                                                         | MTD/NO   | H/P   | Encl                     | Sec        | Length         | Width          | Voltage        | Frequency       | Pulse       | Make          | Model                              |     |  |
| 38                                                            | EF       | 1     | 1                        | O          | 236            | 200.0          | 2.0            | 900             | 70          | 60            | SMITH<br>ROOT                      | 12B |  |
| FISH SUMMARY                                                  |          |       |                          |            |                |                |                |                 |             |               |                                    |     |  |
| Site#                                                         | MTD/NO   | H/P   | Species                  | Stage      | Age            | Total #        | Lgth (Min/Max) | FishAct         | Comment     |               |                                    |     |  |
| 38                                                            | EF       | 1     | 1                        | NFC        |                | 0              |                |                 |             |               |                                    |     |  |





Site #38, Upstream photo of rapids.  
Roll #4, Frame #7, Date: 2001/08/09



Site #38, Downstream photo of rapids.  
Roll #4, Frame #8, Date: 2001/08/09





Site #38, Photo of 7 m falls.  
Roll #4, Frame #9, Date: 2001/08/09