Reconnaissance 1:20,000 Fish and Fish Habitat Inventory of the Sub-Basins between and including Lorne and Mill Creeks on the North Side of the Skeena River within the Kispiox Forest District

WSC 400-301700- Lorne Creek - WSC 400-362300-Mill Creek

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WSC 400-301700- Lorne Creek - WSC 400-362300-Mill Creek

Prepared for:

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January 2001

Prepared by:

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Reviewed by:

Bryan Williams, B.Sc., R.P. Bio.

PROJECT REFERENCE INFORMATION

FDIS Project Number:	3476
MELP Project Number:	SCI_C172_010_2001
FRBC Project Number:	712318
FRBC Region:	Skeena-Bulkley Region
MELP Region:	06
MELP District:	Skeena
FW Management Unit:	6-15
Fisheries Planning Unit:	North Coast
DFO Sub-district:	4C Hazelton
Forest Region:	Prince Rupert
Forest District:	Kispiox
Forest Licensee and Tenure #:	Skeena Cellulose Inc.
First Nation Traditional Area:	Gitskan

WATERSHED INFORMATION

Watershed Group:	Skeena
Watershed Code:	400-000000-00000-00000-0000
UTM at Mouth:	NA
Watershed Area:	777.3 km^2
Total of All Stream Lengths:	1652.9 km
Stream Order:	NA
BGC Zones:	CWH, AT, ESSF, MH, ICH
NTS Maps:	103I/15 103I/16 103P/01 103P/02
TRIM Maps:	103I.087 103I.088 103I.089 103I.097 103I.098 103I.099 103P.007 103P.008 103P.009 103P.010 103P.018 103P0.19 103P.020 103P.030
Air Photos:	30BCB92077 #167-173, #178-190 30BCB92078 #217-229 30BCB92083 #103-117, #120, #122, #124-130

Air Photos cont.:	30BCB92085 #62-66, #68, #88, #89 30BCB92086 #144-155, #87, #94-96 30BCB92091 #77-88, #94-106 30BCB92135 #41-49, #122, #124 #189-198, #201-210 30BCB92137 #154-169, #175-178 #180-194, #224, #91 30BCB92138 #209-213, #62-77, #80-92

SAMPLE DESIGN SUMMARY

Total number of Reaches:	1701
Random Sampling Sites:	41
Biased Sampling Sites:	75
Total Sampling Sites:	116
Field Sampling Dates:	July 24 – August 7, 2000
Fish Species Captured:	BT, CH, CO, CT, DV

CONTRACTOR INFORMATION

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Report Prepared by:	J. Harris, J Dorey
GIS Services:	Triton Environmental Consultants Ltd. (Prince George) Technicians: E. Lem; S. Murphy Courier: #201-1157 Fifth Avenue, Prince George, BC, V2L 2Y8 Phone: (250) 562-9155 Fax: (250) 562-9135

DISCLAIMER

"The Province has not accepted the contents of this product* for the purposes of the Forest Practices Code, and reserves the right to dispute the validity of summarized results. The province does not necessarily agree with the classification assigned to any individual stream reach, for use in logging plans, silviculture prescriptions or any other application."

* Product refers to the information detailed in the following pages of this report.

ACKNOWLEDGMENTS

Triton would like to thank Todd Mahon of Skeena Cellulose for his assistance throughout the planning and field phases of this project. Darren Fillier, Forest Ecosystem Specialist for the Kispiox Forest District for his feedback and approval of the Non Fish Bearing Status Report and Stream Classifications associated with this project. Chris Schell for his Quality Assurance participation and support in meeting Reconnaissance (1:20,000) Fish and Fish Habitat Inventory Standards for British Columbia. Paul Giroux, Fisheries Inventory Specialist for the Skeena Region was the principal contract monitor.

Forest Renewal BC – a partnership of forest companies, workers, environmental groups, First Nations, communities and government, provided funding for this inventory. Forest Renewal BC funding – from stumpage fees and royalties that forest companies pay for the right to harvest timber on Crown lands – is reinvested in the forest, forest workers and forest companies.

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Appendix II	Phase Completion Reports
Appendix III	Quality Assurance Forms and Correspondence
Appendix IV	Phase I-III Project Plan (with attachments)
Appendix V	Project/Interpretive Maps

LIST OF ATTACHMENTS AVAILABLE AT MELP REGIONAL OFFICE

Attachment I	Planning Document Triton Environmental Consultants Ltd., July 2000. Phase I-III Pre-field Project Planning Report Reconnaissance (1:20,000) Fish and Fish Habitat Inventory of Sub-basins between and including Lorne and Mill Creeks on the North Side of the Skeena River within the Kispiox Forest District. Prepared for Skeena Cellulose Inc. (Carnaby Operations)
Attachment II	Field Notes Site Cards/Fish Collection Forms
Attachment III	Photodocumentation Photo Summary Report Photo CD Prints in Plastic Sleeves Negatives in Plastic Sleeves
Attachment IV	Digital Data Watershed Report Files FDIS Files Mapping Files
Attachment V	FISS Update Data FISS Update Forms FISS Update Maps

1.0 INTRODUCTION

Triton Environmental Consultants Ltd. (Triton, Terrace) was retained by Skeena Cellulose Inc. (SCI) to conduct a Reconnaissance (1:20,000 scale) Fish and Fish Habitat Inventory in SCI's Carnaby operating area, which is located within the Kispiox Forest District.

This project commenced as a result of BC Fisheries and Ministry of Environment, Lands and Parks (MELP) initiatives to gather information about fish distribution, population status, and the condition and capability of stream habitats (Resource Inventory Committee, 1998). Forest Renewal of British Columbia (FRBC) funding and MELP supervision facilitated the commencement of this sample-based survey of the sub-basins between and including Lorne and Mill Creek on the northwest side of the Skeena River. 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, 1998).

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 TRIM based maps, BC Ministry of Environment, Lands and Parks (MELP) Field Data Information Summary (FDIS) data forms, and in the body of this report.

1.2 Location

The Lorne to Mill Creek Study Area is comprised of the tributaries on the right bank of the Skeena River upstream of and including Lorne Creek (WSC 400-301700) and downstream of and including Mill Creek (WSC 400-362300). The Study Area is outlined in Figure 1, and is located southwest of the town of Kitwanga, B.C. The Study Area lies within the heart of the Hazelton Mountain's and is situated in the Coast Mountains Ecoprovince within the Nass Ecoregion (Demarchi, 1996). The Study Area is approximately 77,730 ha and covers 14 TRIM map sheets (Figure 1.)

The biogeoclimatic zonation for the Study Area is a mixture of Coastal Western Hemlock (CWH), Engelmann Spruce - Subalpine Fir (ESSF), Alpine Tundra (AT), Mountain Hemlock (MH), and Interior Cedar Hemlock (ICH) (Meidinger and Pojar, 1991). The ICH portion of the Study Area occurs adjacent to the Skeena River and in the low elevation areas along Mill Creek. The CWH portion occurs west of Mill Creek in the middle elevation areas of the Skeena River tributaries and the MH portion of the Study Area occurs in the middle to upper elevation areas west of Mill Creek. The ESSF portion of the Study Area occurs along the middle to upper elevation slopes of the Mill Creek drainage, and the AT portion occurs in all upper elevation areas within the Study Area.

1.2.1 Access

Kitwanga is situated at the northeast corner of the Study Area. Directions from Kitwanga to the sample locations within the northern portion of the Study Area are as follows:

- From Kitwanga take Highway 37 north approximately 13 km,
- Turn left (west) onto Mill Main,
- Drive northwest for approximately 7 km on Mill Main into the Study Area,
- Various spur roads along the Mill Main access sample site locations.

Directions from Kitwanga to the southeast portion of the Study Area are as follows:

- From Kitwanga take the Cedarvale Backroad west approximately 3 km to the start of the Study Area.

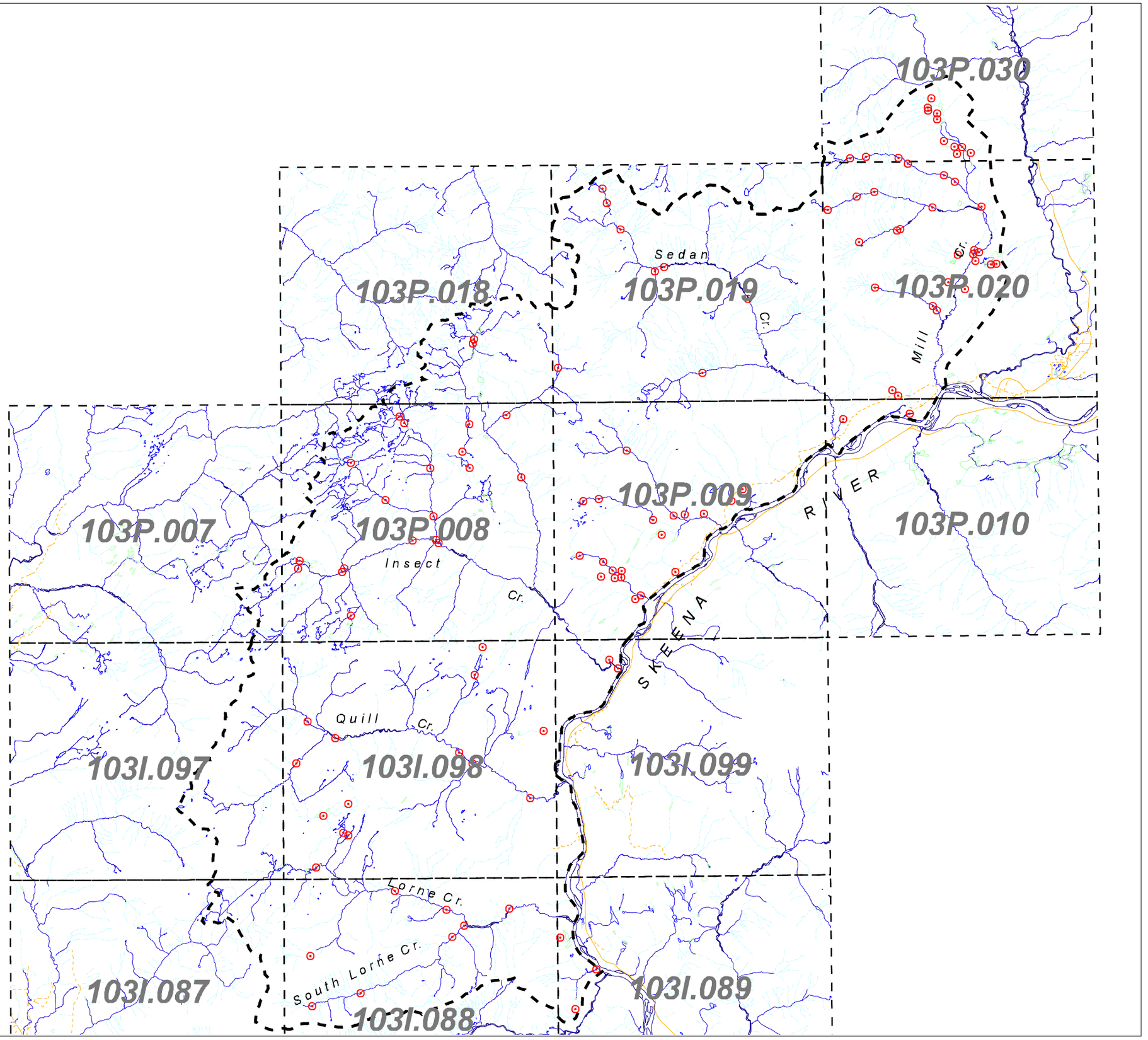
Most of the sample sites (74 of 116) were accessed via helicopter. The lack of road networks in this rugged country allowed for limited road access.

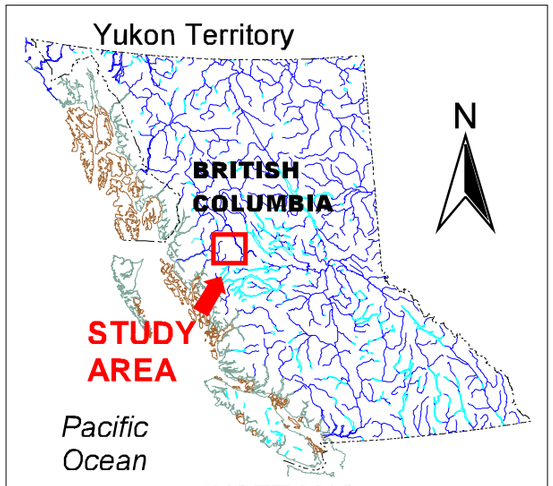
2.0 RESOURCE INFORMATION

Resource values within the Study Area are primarily forestry based. SCI's Carnaby Operations is currently logging throughout the area. Most of the Study Area has low capability for agriculture due to adverse climate, topography, bedrock, or poor drainage. Several small farming operations are located in the lower elevation portions of the Study Area. These farms are located adjacent to the Skeena River where the topography has allowed for land clearing.

Sub-basins Between Lorne Cr. and Mill Cr. Northside of the Skeena River Kispiox Forest District

Overview Map
Figure 1





Legend

- Gravel
- Paved
- Rough
- River/Stream
- River/Stream Intermittent
- Lake
- Marsh/Swamp

1: 200,000

5 0 5 10 Kilometers

Source: 1:20,000 TRIM Projection: UTM

Date: December 12, 2000
Created by: EL

TRITON
Environmental Consultants Ltd.

The Study Area lies within the Gitskan's traditional territory where the following Gitskan House's are represented: SAKXUM HIGOOKX, HAAKXW, SAKXUMHIGOOKX, TE WHLAGXW, LELT, TENIGYET, WII HLENGWAX, and SIMA DIIK.

No active mines were observed in the Study Area. Background research found that a gold molybdenum property (Morningstar Property) is located near the Skeena River at Woodcock (Remington, 1995).

The Study Area is well known for its wild mushroom harvest. During the late summer and fall mushroom enthusiasts explore the areas adjacent to the Skeena River in search of pine mushrooms. Often these mushrooms are sold to local buyers who export to buyers throughout the world.

No existing water quality data was identified during the pre-field planning stages.

2.1 Existing Fisheries Information

FISS (1995) and Stream Summary Catalogue (FHIIP, 1991) records indicate that chinook salmon (*Oncorhynchus tshawytscha*), coho salmon (*O. kisutch*), pink salmon (*O. gorbuscha*), chum salmon (*O. keta)* steelhead (*O. mykiss*), rainbow trout (*O. mykiss*), Dolly Varden char (*S. malma*) and cutthroat trout (*O. clarkii*) occur within the Study Area. The species identified from existing sources are placed in the FDIS database and mapped according to RIC standards for historical information. Several barriers and obstructions were also identified from the Stream Summary Catalogue and FISS information. The barrier and obstruction information was incorporated into the FDIS database and placed on the maps as historical features.

MELP (Smithers) stream and lake files were reviewed and found to support the FISS and Stream Summary Catalogue information.

Historical fisheries information indicated the presence of chinook, pink, Dolly Varden, and rainbow trout within the Lorne Creek (WSC 400-301700) drainage; coho and pink within the Quill Creek (WSC 400-313700) drainage; coho, chinook, pink, steelhead, rainbow trout, and Dolly Varden within the Insect Creek (WSC 400-324400) drainage; coho, pink, rainbow trout, and Dolly Varden within the Wilson Creek drainage; pink, rainbow trout, and Dolly Varden within the Sedan Creek (WSC 400-350300) drainage; and chinook, chum, coho, pink, cutthroat trout, and Dolly Varden within the Mill Creek (WSC 400-362300) drainage.

3.0 METHODS

The 1:20,000 Scale Fish Stream Identification inventory was completed in 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 1998* (Resource Inventory Committee, 1998). Alterations were made to the project plan in Phase 4 and are outlined in the sections below.

3.1 Phase 4: 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 SCI and Triton. Biased sites were selected to address gaps within the randomly generated sampling plan. The final sample sites incorporated into the contract were reviewed by Todd Mahon (SCI FRBC Coordinator), Paul Giroux (FIS, MELP Skeena Region 6), and Triton to ensure that sample sites met the requirements of SCI, MELP and the FDIS planning model.

Required fish collection permits were obtained from MELP and DFO 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 1998* (Resource Inventory Committee, 1998) and the *Forest Practices Code Fish Stream Identification Guidebook,* (BC Forest Practices Code, 1998).

Fieldwork was conducted from July 24th to August 7th, 2000 by two, two person field crews. In watersheds where road access was available, the crews used 4X4 pick-up trucks. In watersheds where road access was unavailable transportation was provided by Quantum's Bell Jet Ranger helicopter.

Field data was collected on RIC field site and fish collection cards. In addition, the following information was collected at each site and recorded in the comments section of the site card:

- stream classification,
- comment 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.

Each crew was equipped with the following field gear:

- Smith-Root Model 12A backpack electrofisher
- electrofisher safety gear (leak proof waders, wading belts, Linesman's gloves, hat with a brim, polarized sunglasses)
- minnow traps and bait
- clinometer
- compass
- hip chain
- 50 m tape
- meter stick
- VHF radio
- first aid kit
- water quality kit (hand held pH and conductivity meters)
- thermometer
- Canon waterproof camera and slide film
- voucher specimen container
- MELP Site cards
- MELP Fish collection forms
- MELP Individual fish data cards
- field maps

Fish sampling within stream reaches was conducted using three primary sampling techniques: electrofishing, minnow trapping, and visual observation. Electrofishing is the most efficient method of sampling in shallow stream habitats and was the preferred sampling method for all habitat types in small streams and shallow water habitats. 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. In a few cases, minnow traps baited with salmon roe were employed in streams of greater depth and in ponded habitats. Visual observation was also used when other methods failed to catch fish. A combination of techniques were 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.).

Where appropriate, and where return visits were practical, minnow traps baited with salmon roe were set and allowed to soak for a 24-hour period.

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 constant contact with Paul Giroux (Fisheries Inventory Specialist) and Todd Mahon (SCI FRBC Coordinator) when the originally proposed plan needed modifications. In most cases sites downstream of known fish bearing reaches were moved to reduce sampling redundancy. These sites were placed in other locations to 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 MELP'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 MELP'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 highly variable over the field sampling dates. Rain caused turbid and high water conditions at several sample sites. Field crews often made the decision to sample streams, which were not affected by the high runoff. The turbid streams were then revisited when sampling conditions were favorable. The timing of the field sampling helped reduce the number of dry/intermittent streams. The number of dry intermittent streams was low (3 of 116 sample sites). Several sites were moved in the field due to lack of helicopter access (no landing available).

4.2 Survey Information

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

Table 1. Summary Information for the Study Area.

Major Watershed Code:	400-000000-00000-00000-0000-0000-000-000-000-000-
Watershed Name:	Skeena River
Drainage:	Study Area → Skeena River → Chatham Sound
NTS Maps:	103I/15 103I/16 103P/01 130P/02
TRIM Maps:	103I.087 103I.088 103I.089 103I.097 103I.098 103I.099 103P.007 103P.008 103P.009 103P.010 103P.018 103P.019 103P.020 103P.030
Total Number of Lakes:	38
Total Number of Reaches:	1701
Stream Field Sampling Dates:	July 24 to August 7, 2000
Number of Random Sites Sampled:	41
Number of Bias Sites Sampled:	75
Total Number of Sampling Sites:	116

4.3 Summary of Sub-Basin Biophysical Information

Five major sub-basins make up approximately 90% of the Study Area. The biophysical information for each sub-basin is presented below in Table 2.

Table 2. Biophysical Information for Major Sub-basins within the Study Area.

Gazetted Name	WSC	UTM at Mouth	Watershed Area (ha)	Stream Length (km)	Stream Order	NTS Maps	BCG Zones
Lorne Creek	400-301700	9.539296 6081712	10753	204	4	103I/15 103I/16	ICH, CWH, MH, AT
Quill Creek	400-313700	9.538838 6088318	13823	203	5	103I/15 103I/16	ICH, CWH, MH, AT
Insect Creek	400-324400	9.541490 6093566	19533	455	5	103P/01 103P/02 103I/15	ICH, CWH, MH, AT
Sedan Creek	400-350300	9.551293 6104057	12431	315	5	103P/01	ICH, CWH, MH, AT
Mill Creek	400-362300	9.539296 6081712	10752	206	4	103P/01	ICH, ESSF, AT

4.4 Fish Age, Size and Life History

Fish were captured in 36 of 116 sample locations. Table 3 provides a summary of the reaches in which fish were captured. Coho salmon, chinook salmon, Dolly Varden char, bull trout, and cutthroat trout were captured within the Study Area. Length frequency distributions are provided in the figures below for sport species captured. Bull trout

were not found in significant numbers (3), so a length frequency distribution was not created. Aging data was not collected. Quantitative abundance figures were not generated for this project, as sampling methods to determine abundance were not utilized.

Cutthroat trout

Cutthroat trout were captured at one sample site within the Study Area. These fish were found at the headwaters of Mill Creek, adjacent to two small lakes. The cutthroat trout captured were fry and juveniles, which indicates they are likely utilizing the stream as juvenile rearing/refuge habitat. No adult cutthroat trout were captured during the survey and it is assumed that the adults are present within the upstream and downstream lakes. Adult cutthroat trout likely utilize the stream habitat for spawning during the spring.

Cutthroat trout live to a maximum of 10 years and can reach sexual maturity in as little as 2 years. Spawning takes place in the spring (February to May) in streams with adequate flows and suitable gravel substrates. Redds are constructed and the eggs hatch within 6-7 weeks depending on temperatures. Fry usually emerge from redds in 1-2 weeks after hatching (Scott & Crossman 1985).

Dolly Varden

Dolly Varden were found in habitats that ranged from high energy glacial streams to low gradient stagnant pools. Fry and juvenile Dolly Varden were found to inhabit the smaller secondary streams adjacent to overwintering habitat (larger mainstems and lakes), and the larger (mature) Dolly Varden were found in mainstems/larger tributary streams. 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).

Coho salmon

Coho were captured at 3 locations within the Study Area. Juvenile coho were only captured immediately upstream of the Skeena River. Two of the capture locations were adjacent to off-channel habitats (slough & beaver complex). The third capture location was in Reach 1 of Insect Creek (WSC 400-324400). The juveniles captured in the off-channel habitats likely seek refuge in these habitats during spring runoff and high-flow conditions.

Table 3. Summary of Fish Capture Locations within the Study Area.

Site	ILP/WSC	Reach	Order	Species	Stage	Number	Minimum Length (mm)	Maximum Length (mm)
2	400-330700	2	3	DV	J	9	48	111
5	10303	1	1	CO	J	4	55	90
8	400-324400	1	5	CO	J	4	38	44
13	400-330700	3	2	DV	J	5	65	117
17	400-362300-33000	1	3	DV	J	1	61	61
21	400-362300	3	4	DV	J	2	65	112
123	400-301700	2	4	DV	J	1	110	110
151	400-324400-29000	3	5	DV	J	2	83	111
152	400-350300-30200	2	3	DV	J	2	99	107
153	400-350300	6	4	DV	J	3	45	97
602	400-297600	1	3	CO	J	10	45	68
604	400-301700-28100	1	3	BT	A	3	220	280
612	400-324400	7	5	DV	A	2	240	380
613	400-324400-52900	1	5	DV	J	3	115	165
623	400-350300	6	4	DV	J	6	149	187
624	400-350300-70500	1	3	DV	A	10	122	165
626	400-339200	3	4	DV	J	11	86	121
631	400-362300-67500	3	3	DV	J	3	126	150
633	400-362300-74700	2	3	DV	J	6	115	156
637	400-362300	6	3	CT	J	7	35	110
640	400-362300	8	2	DV	F	9	42	56
641	11069	1	2	DV	J	5	86	129
643	400-362300-49200	1	1	DV	J	4	75	110
646	400-339200-20200	3	3	DV	J	10	74	127
650	10288	1	2	DV	J	7	65	126
701	400-362300-67500-35100	2	3	DV	A	4	110	175
703	400-362300-67500	2	4	DV	A	5	215	265
709	400-362300-74700	1	4	DV	A	6	175	235
720	11005	1	1	DV	J	1	60	60
722	11009	1	1	DV	J	1	125	125
723	11008	1	2	DV	J	1	65	65
723	11008	1	2	CH	J	5	32	48
723	11008	1	2	CH	J	2	60	75
723	11008	1	2	DV	J	5	80	126
723	11008	1	2	DV	F	6	42	60

Figure 2. **Length frequency distribution for Dolly Varden char captured in the Study Area (n=128).**

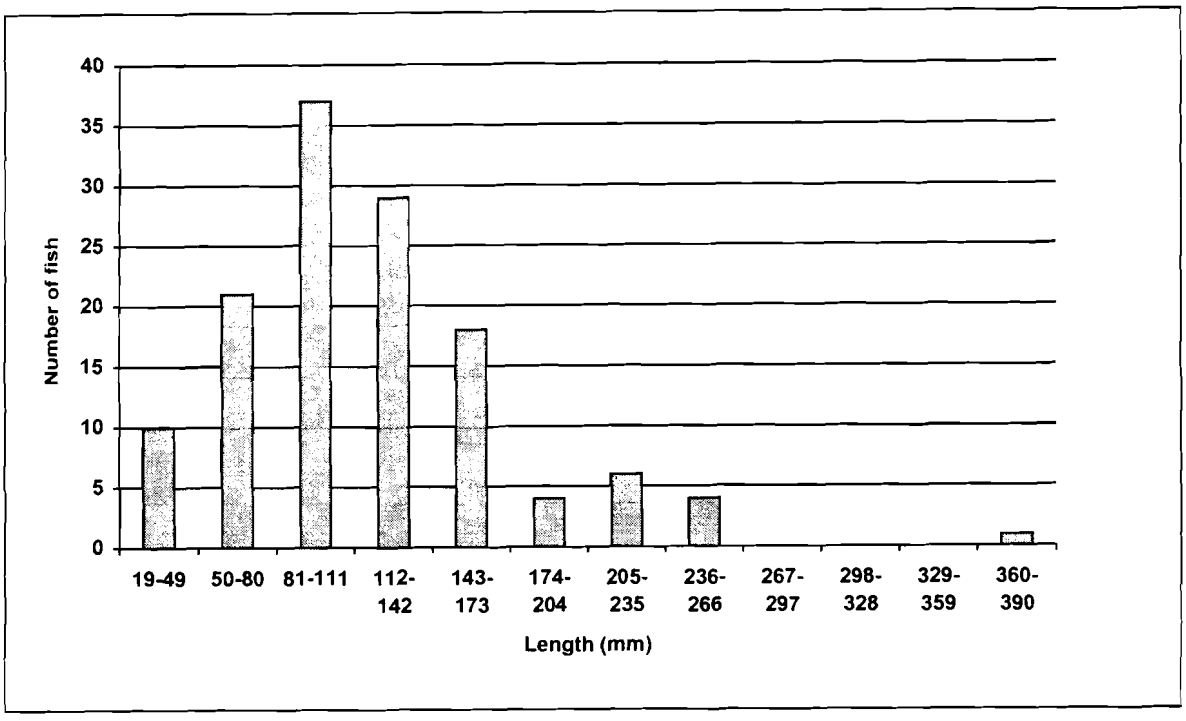


Figure 3. **Length frequency distribution for cutthroat trout captured in the Study Area (n=7).**

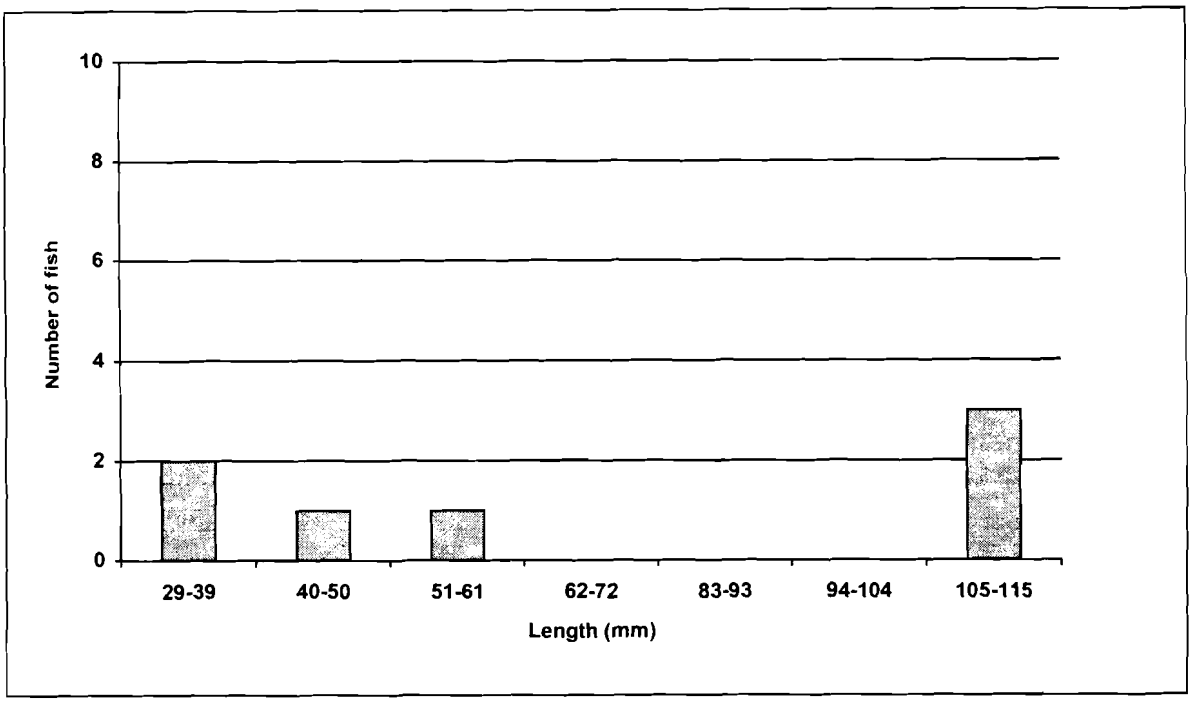


Figure 4. **Length frequency distribution for chinook salmon captured in the Study Area (n=7).**

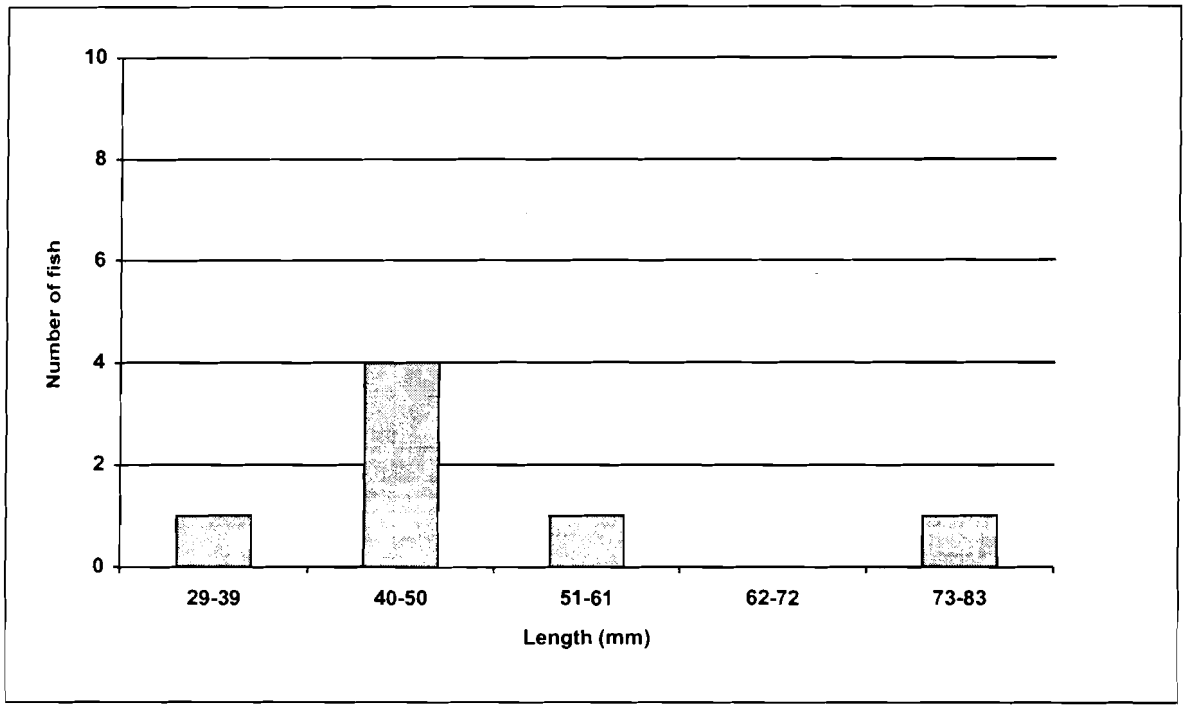
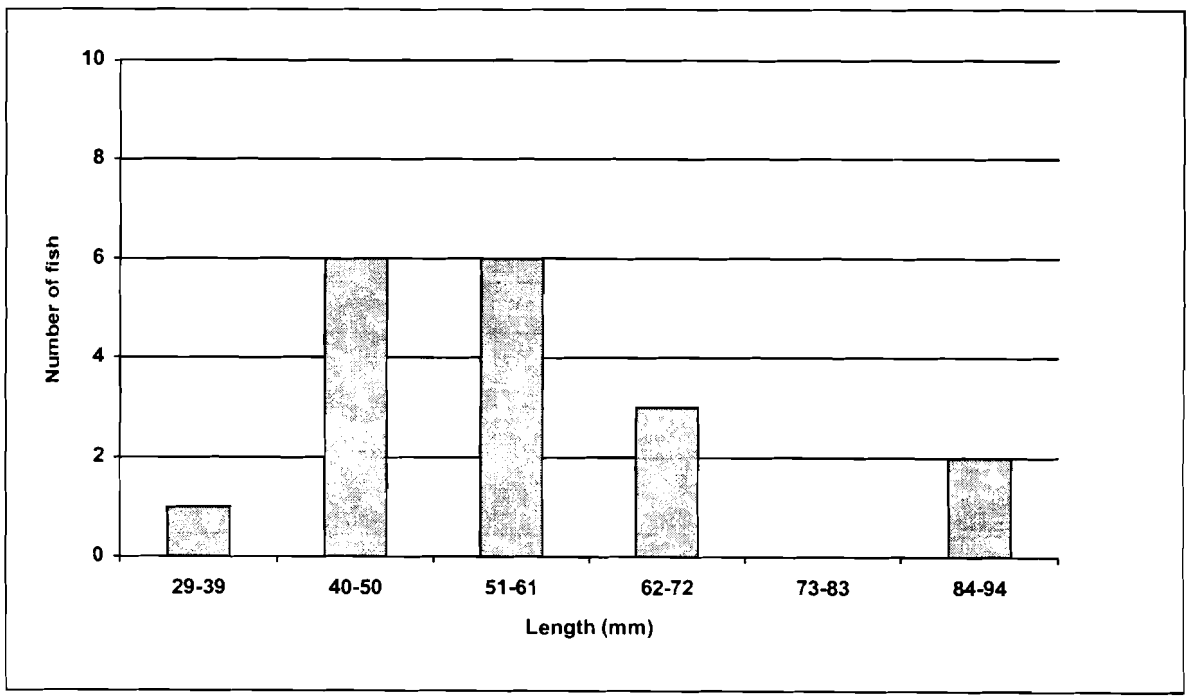


Figure 5. **Length frequency distribution for coho salmon captured in the Study Area (n=18).**



Historical information (SISS, FISS) identified coho (life stage unknown) in Reach 3, 6, and 8 of Insect Creek. This suggests that the juvenile coho captured in Reach 1 are likely part of an Insect Creek population. Coho fry emerge from the gravel in the spring and early summer (March to July) and juveniles usually remain in fresh water for 1-2 years before migrating (downstream) to the ocean for 1 to 3 years

Chinook salmon

Juvenile chinook were captured in two locations within the Study Area. Both capture locations were within 300 m of the Skeena River. The first capture location was adjacent to an off-channel (beaver complex). Due to the absence of flowing water and suitable substrate it is unlikely that adult chinook are using this habitat for spawning. The juveniles likely seek refuge in these habitats during spring runoff when the Skeena River is high and for rearing until outmigration. The second capture location was in Reach 1 of Insect Creek. Historical information (SISS) has identified chinook upstream of the capture location. It is possible that the rearing juveniles captured at this location are juveniles from spawning adults within this system. Chinook salmon are late summer to late fall spawners (August to October). Spawning habitat can be characterized as the 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 for 2-5 years (Scott & Crossman 1985).

Bull trout

Bull trout were captured at one location within the Study Area. The bull trout captured were in South Lorne Creek (WSC 400-301700-28100), a large tributary to Lorne Creek (WSC 400-301700). Bull trout are known to occupy a wide spectrum of habitat types. Bull trout often occupy unproductive habitats where rainbow and cutthroat do not thrive. 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.

The bull trout captured in this location are thought to be resident fish. Due to the numerous obstructions located downstream (small falls and cascades) it is unlikely that these fish are fluvial.

4.5 Habitat and Fish Distribution

Fish were captured in 1st to 5th order streams and fish distribution was generally associated with perennial fish habitat and reaches contiguous to other fish bearing streams. Perennial habitat includes the presence of overwintering, spawning, and rearing habitat. Instream overwintering habitat was identified as containing residual pool depths

greater than 0.5 m. Other overwintering habitat included wetlands and lakes with depths greater than 0.5 m. Spawning habitat was characterized by the presence of suitable spawning substrates and adequate flows. Rearing habitat was characterized as containing water where fish can live and grow.

Fish bearing 1st order streams were not located far from perennial fish habitat. Habitat quality within these 1st order streams was generally poor with smaller average channel widths and low 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, throughout the year.

No fish were captured in reaches with an average channel width of less than 0.35 m, or with an average gradient greater than 16.0%. Fish bearing 1st order streams had an average channel width of 0.96 m. Fish-bearing 2nd order streams had an average channel width of 1.73 m. Fish-bearing 3rd order streams had an average channel width of 8.78 m. Fish bearing 4th and 5th order streams had average channel widths of 19.59 m and 31.42 m respectively.

Fisheries values within the project area are largely associated with the limited occurrence of quality spawning and rearing habitats for fish species. The prevalence of high gradients (>15%) and cascade pool morphology appears to be the primary limiting factors for spawning and rearing habitats.

4.6 Significant Features and Fisheries Observations

4.6.1 Fish and Fish Habitat

No critical fish habitat such as staging areas or large spawning grounds were identified. No special populations or rare and sensitive wild stocks were identified within the study area. No high value sport fishing opportunities were identified within the study area.

4.6.2 Habitat Protection Concerns

4.6.2.1 Fisheries Sensitive Zones

A fish bearing slough located at ILP 10303 (Reach 1) contains sensitive juvenile rearing habitat. Off-channel rearing and cover is abundant within the slough and juvenile coho were present. The Ministry of Environment and Department of Fisheries and Oceans should ensure land owners and local user groups are aware of this sensitive fish habitat and take steps to preserve it.

4.6.2.2 Fish above 20% Gradients

No fish were identified above 20% gradient.

4.6.2.3 Restoration and Rehabilitation Opportunities

One culvert (Table 4) was identified as a barrier to upstream fish migration. This culvert occurs at the CN Railway crossing immediately upstream of the Skeena River in Reach 1 of WSC 400-297600. The culvert has blocked 600 m of high quality off-channel rearing habitat and 4.8 km of available stream habitat. The culvert was perched 1.5 m above the outlet pool creating a barrier at all flow levels. Restoration of the natural watercourse through culvert replacement is a possible restoration option.

Beaver activity is relatively extensive in the project area and may limit or reduce habitat values for salmonids. However, no sites were observed that require remedial action at this point as trapping beaver, blowing dams etc., are short term solutions that would not generate any long-term benefits to fish.

4.7 Fish Bearing Status

4.7.1 Fish Bearing Reaches

Fish species were captured in 32 of the 43 reaches classified as fish bearing (Table 5). Twelve (12) reaches in the fish bearing classification table were classified as fish bearing by default. Eleven (11) 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. One stream was identified where further sampling may confirm fish bearing or non-fish bearing status.

The fish bearing status of streams may be directly supported by sampling data or inferred based on the presence of fish habitat and available access from fish bearing waters (inferred seasonal use). For example, if the fish habitat within a given reach is suitable for rearing and/or spawning, and the reach is contiguous to a fish bearing reach, but no fish were captured and no barriers were observed, the reach would be classified as fish bearing. If the reach does not provide suitable rearing, spawning and overwintering 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 waters is present.

Table 4. Summary of Features identified within the Study Area.

Site	ILP/WSC	Reach	Feature Type	Feature Height (m)	Feature Length (m)	Comments
1	10298	1	F	50	20	Falls observed from Sedan Creek.
2	400-330700	2	F	7	0	Dolly Varden captured upstream of falls.
6	10810	1	F	12	0	Barrier to upstream fish migration.
12	400-330700	4	C	3	2	Barrier to upstream fish migration.
15	10239	1	C	8	20	Barrier to upstream fish migration.
122	10772	3	C	60	120	Barrier to upstream fish migration.
124	400-301700	4	F	7	0	Barrier to upstream fish migration.
125	400-301700	5	C	10	2	Located in non fish bearing section
130	400-313700	7	F	3	0	Located in non fish bearing section
131	400-313700	3	F	8	0	Located in non fish bearing section
135	400-313700-58800	1	F	4	0	Located in non fish bearing section
138	400-324400	9	F	8	0	Located in non fish bearing section
140	400-324400-75200	2	F	10	0	Located in non fish bearing section
141	400-324400	8	F	6	0	Barrier to upstream fish migration.
142	400-324400-52900	2	F	30	0	Located in non fish bearing section
150	400-324400-29000	5	F	4	0	Barrier to upstream fish migration.
156	400-339200	4	F	8	0	Barrier to upstream fish migration.
158	10250	2	BD	3	25	Inferred fish bearing upstream
602	400-297600	1	CV	0.9	20	Culvert located at railway crossing. Barrier to fish migration (1.5 m drop with no plunge pool).
604	400-301700-28100	1	C	50	150	Cascade is impassible to fish.
609	400-313700	6	LS	600	10	Large landslide blocks stream.
611	400-313700	2	F	8	2	Barrier to upstream fish migration.
613	400-324400-52900	1	F	4	2	Potential barrier to upstream fish migration.
613	400-324400-52900	1	F	10	2	Barrier to upstream fish migration. Located approximately 100 m upstream of lower falls.
618	400-324400-52900-17700	2	F	10	3	Falls located upstream of confluence.
623	400-350300	6	LS	10	60	Landslide into channel.
624	400-350300-70500	1	F	17.5	2	Barrier to upstream fish migration.
625	400-350300	7	F	20	5	Barrier to upstream fish migration.
630	11085	1	F	7	3	Falls are located at the bottom of this reach.
631	400-362300-67500	3	C	100	100	Impassible falls/cascades (top of Reach 3).
633	400-362300-74700	2	C	6	2	Barrier to upstream fish migration.
644	400-362300-25100	1	LS	30	15	Bank is slumping directly into stream.
644	400-362300-25100	1	C	2.5	2	Cascade
644	400-362300-25100	1	F	3	1	Barrier to upstream fish migration.
644	400-362300-25100	1	F	5	2	Barrier to upstream fish migration.
644	400-362300-25100	1	F	4	1	Barrier to upstream fish migration.
646	400-339200-20200	3	F	5	1	Barrier to upstream fish migration.
647	10256	1	CV	0.9	15	Partial barrier to fish migration.
647	10256	1	C	2	2	Located in non fish bearing section
647	10256	1	C	3	50	Barrier to upstream fish migration (numerous bedrock cacades).
701	400-362300-67500	2	C	40	30	Barrier to upstream fish migration (cascade contains 2.5 m falls).
704	400-362300-67500	3	C	100	100	Cascade with numerous 10-30 m falls.
704	400-362300-67500	3	F	5	0	Falls are located upstream of the cascades.

Table 5. 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
2	400-330700	2	2.32	12.5	DV	S3	n	Dolly Varden captured upstream of 7 m falls. Spawning, rearing and overwintering habitat is present within sample site.
5	10303	1	23.33	0	CO	FSZ	n	Slough adjacent to the Skeena River. High value rearing, with good overwintering habitat. No spawning habitat present.
8	400-324400	1	45.00	0.75	CO, CH	S1	n	Fair rearing habitat, but spawning habitat is limited by high velocity.
12	400-330700	4	2.27	7.5	NFC	S3*/S6	n	Barrier (3 m cascade) in upper portion of reach prevents upstream fish migration. Fish bearing based on access below cascade.
13	400-330700	3	1.78	7.75	DV	S3	n	Moderate spawning and rearing habitat, limited overwintering.
16	10242	1	1.00	11	NFC	S4*	n	No permanent barriers were identified. Fish bearing based on access.
17	400-362300-33000	1	1.88	2.5	DV	S3	n	Moderate spawning and rearing habitat. Overwintering habitat is limited by pool depth.
19	11063	1	1.22	4.25	NFC	S4*	n	No barriers to upstream fish migration were identified.
21	400-362300	3	16.67	3.75	DV	S2	n	High value rearing and overwintering habitat, moderate spawning.
22	11062	1	NA	NA	NS	Wetland	n	Wetland reach. Potential fish habitat. Rearing and overwintering habitat is abundant.
123	400-301700	2	27.17	4.25	DV	S1	n	No spawning habitat present (large substrate size). Marginal rearing and overwintering habitat.
151	400-324400-29000	3	19.00	6.5	DV	S2	n	Moderate rearing, poor spawning and limited overwintering habitat.
152	400-350300-30200	2	11.23	9.75	DV	S2	n	Moderate spawning and rearing with limited overwintering.
153	400-350300	6	27.42	4.25	DV	S1	n	Moderate to high value rearing and spawning habitat.
158	10250	2	14.50	0	NFC	Wetland	n	Stream reach has been heavily impacted by beavers (inferred fish bearing).
601	10778	2	0.88	2.5	NFC	S4*	y	No permanent barriers to upstream fish migration were identified. Numerous beaver dams may temporarily limit fish access to this reach.
602	400-297600	1	1.88	4.25	CO, CH	S3	n	Fish were captured downstream of CN Rail crossing. A culvert blocks upstream fish migration (perched 1.5 m) to high quality rearing habitat.
604	400-301700-28100	1	22.57	16	BT	S1	n	Poor spawning and rearing with moderate overwintering habitat.
612	400-324400	7	40.83	4.5	DV	S1	n	High quality rearing, poor spawning and limited overwintering habitat present.
613	400-324400-52900	1	20.85	4	DV	S1	n	High quality rearing, poor spawning and limited overwintering habitat present.
623	400-350300	6	38.92	4.5	DV	S1	n	Moderate rearing, poor spawning and limited overwintering habitat present.
624	400-350300-70500	1	14.43	8.75	DV	S2/S5	n	Falls (17.5 m) located 600 m upstream of confluence prevent upstream fish migration.

Table 5. 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
626	400-339200	3	7.53	5.25	DV	S2	n	High quality rearing, poor spawning and limited overwintering habitat present.
631	400-362300-67500	3	13.95	13.5	DV	S2	n	High quality rearing, poor spawning and limited overwintering habitat present.
633	400-362300-74700	2	7.97	7.75	DV	S2	n	Moderate rearing and poor spawning.
636	11000	1	0.69	4.75	NFC	S4*/S6	n	Potential fish access to the lower 400 m of this reach. Upstream of that point no fish habitat is available.
637	400-362300	6	1.58	0.75	CT	S3	n	Moderate rearing and spawning habitat. Overwintering habitat is present in upstream and downstream lakes.
638	11002	1	0.63	3.5	NFC	S4*	n	Fish may access this reach from downstream fish bearing water.
639	11003	1	0.83	5	NFC	S4*	n	Fish may access this reach from downstream lake.
640	400-362300	8	0.96	3.5	DV	S4	n	Poor rearing and spawning habitat. No overwintering habitat present.
641	11069	1	1.93	1.375	DV	S3	n	Moderate spawning and rearing habitat. No overwintering habitat present.
642	11064	1	0.48	1	NFC	S4*	n	Fish may access this reach from downstream fish bearing water.
643	400-362300-49200	1	1.41	3.5	DV	S4	n	Moderate rearing and poor spawning habitat present. No overwintering habitat observed.
646	400-339200-20200	3	8.68	14.25	DV	S2/S5	n	Moderate rearing and poor spawning habitat present. Limited overwintering habitat observed.
648	11905	1	2.41	6.75	NFC	S3*	y	No barriers to upstream fish migration were identified. Potential fish access to this reach.
649	10285	1	0.65	1.625	NS	S4*	n	No barriers to upstream fish migration were identified. Potential fish access to this reach.
650	10288	1	2.95	1.625	DV	S3	n	Moderate spawning and poor rearing habitat present. No overwintering habitat observed.
701	400-362300-67500-35100	2	10.08	12.5	DV	S2	n	High value rearing, spawning, and overwintering habitat.
703	400-362300-67500	2	9.67	6.5	DV	S2	n	High value rearing and spawning habitat. Moderate overwintering habitat.
709	400-362300-74700	1	9.78	4.75	DV	S2	n	Moderate rearing, spawning and overwintering habitat.
720	11005	1	0.35	6.75	DV	S4	n	Limited spawning and rearing habitat. No overwintering habitat present.
721	11006	1	0.40	8	NFC	S4*	n	Potential fish access below cutblock.
722	11009	1	1.12	5.75	DV	S4	n	Low rearing potential. No spawning or overwintering habitat present.
723	11008	1	1.02	4.5	DV	S4	n	Moderate rearing and small pockets of suitable spawning habitat observed. No overwintering habitat present.

High gradient sections, cascades and falls were the dominant physical barriers to upstream fish migration in the Study Area. Other features (Table 4) effecting fish habitat in the Study Area included beaver dams, fisheries sensitive zone, and culverts.

4.7.2 Additional Sampling Recommendations

Two reaches are recommended for additional sampling (Table 6). Additional sampling will clarify fish presence/absence and establish if any barriers exist in downstream reaches. No fish were captured in reaches recommended for additional sampling.

The reaches selected for additional sampling represent small tributaries with limited habitat values. Based on additional sampling efforts in the past, these reaches often provide limited values for salmonids, and even under optimal conditions, fish are often present at low densities and are not always captured. The reaches selected for additional sampling were required by default due to a lack of water, or inconclusive sampling results. The lack of identified barriers and gradients less than 20% are additional rationale for resampling.

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 spring immediately following peak runoff, which usually occurs in the early part of May. 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.

4.7.3 Non-Fish Bearing Status

Non-fish bearing status was assigned to 76 of the 116 sample sites within the Study Area (Table 7). 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 stream 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 upstream of the barrier;
- Permanent barriers (cascades, falls, etc.) prevented upstream fish migration and the stream did not have perennial fish habitat upstream of the barrier;
- Permanent barriers (cascades, falls, etc.) prevented upstream fish migration and the stream habitat was found to be non fish bearing through sampling above the barrier;
- The stream gradient is >30% (through map interpretation); Gradients were calculated during the pre field planning phases.

Table 6. Summary of Additional Sampling Recommendations for the Study Area

Site	ILP/WSC	Reach	Width (m)	Gradient (%)	Species	Stream Class	Comments	Additional Sampling Recommendations
601	10778	2	0.88	2.5	NFC	S4*	No permanent barriers to upstream fish migration were identified. Numerous beaver dams may temporarily limit fish access to this reach.	Additional sampling in Reach 1 may identify a potential barrier to upstream fish migration. Reach should be sampled during increased flow conditions (late spring/early summer).
648	11905	1	2.41	6.75	NFC	S3*	No barriers to upstream fish migration were identified. Potential fish access to this reach.	There may be inconsistencies between the field location of the stream and the TRIM base. Further sampling downstream may identify a potential barrier to upstream fish migration. Reach should be sampled during increased flow conditions (late spring/early summer).

- 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%;

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

- Reaches above a stream section found to contain no stream channel (NVC) with no potential fish habitat;
- Reaches above a stream section with an average gradient greater than or equal to 20% (through map interpretation) with no headwater lake present.

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. These small streams with no connectivity to fish bearing waters were adequately sampled upstream of the loss of connectivity to verify fish presence or absence.

Reaches that are classified as NVC (NCD, non-RIC term used by the timber industry) are not streams as they do not possess a continuous channel and/or mineral alluvium, criteria necessary to be classifed as a stream. The reaches classified as NVC are largely drainages where no stream exists, often an error in mapping. They may also be watercourses that lack evidence of surface scour, contain no continuous definable channel, lack alluvium deposits, and exhibit no evidence of extensive ponding. Wetlands with extensive ponding and wetlands that lack surface water are both considered NVC as they do not possess stream channels or properties of streams. It should be recognized that a NVC classification does not necessarily mean that the reach is not fish bearing unless otherwise stated. For example, a ponded wetland reach could sustain fish but be classified NVC due to the lack of a continuous definable channel and fluvial substrates. In cases where ponded wetland reaches (NVC) are identified as fish bearing they should not be treated as streams because they do not meet the criteria of a stream. They should be managed to maintain the integrity of the fisheries resources identified within that reach. In most cases the level of concern is low with respect to protecting fish habitats sustained within NVC reaches due to the poor habitat values (for salmonids) associated with wetland habitats. However, the maintenance of fish passage is a concern.

Table 7. Summary of Non Fish-Bearing Reaches in 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. (oC)	Type	Method		
1	10299	1	1.12	2.25	S6	00/08	110	230	80	Med	C	12	NA	NA	Barrier (50 m falls) prevents upstream fish migration to this reach. Average pool depth of 28 cm. Barrier to anadromous and *resident species.*	Sampling upstream of the 50 m falls confirms non fish bearing status.
3	10301	3	0.93	3.75	S6*	00/08	NA	NA	NA	Low	NA	NA	NA	NA	Inferred non fish bearing. Barrier downstream (Reach 2 average gradient is 26%). Average pool depth of 10 cm.	No fish habitat was identified with two sample sites upstream the barrier. Stream is inferred non fish bearing due to no fish sampling on site.
4	10628	1	NA	NA	NVC	00/08	NA	NA	NA	NA	NA	NA	NA	NA	No visible channel. No evidence of surface scour or alluvial substrates. No potential fish habitat.	First order drainage with approximately 600 m of mapped stream above the sampled reach.
6	10810	1	0.77	19.5	S6	00/08	70	150	90	Med	C	8.5	NA	NA	Barrier (12 m falls) prevents upstream fish migration to this reach. Average pool depth of 8 cm. Barrier to anadromous and resident species.	Sampling upstream of the 12 m falls confirms non fish bearing status. Sampled portion of the reach was the only section less than 20%.
7	10893	1	NA	NA	NVC	00/08	NA	NA	NA	NA	NA	NA	NA	NA	No visible channel. No evidence of surface scour or alluvial substrates. No potential fish habitat.	First order drainage with approximately 1200 m of mapped stream above the sampled reach.
9	10236	1	NA	NA	NVC	00/08	NA	NA	NA	NA	NA	NA	NA	NA	No visible channel. Not a stream. No potential fish habitat	None
10	10244	1	NA	NA	NVC	00/08	NA	NA	NA	NA	NA	NA	NA	NA	No visible channel. Not a stream. No potential fish habitat	None
11	10239	2	1.07	4.75	S6	00/08	110	278	80	Low	C	11	NA	NA	Barrier (8 x 20 m cascade) prevents upstream fish migration to this reach. Average pool depth of 13 cm. Barrier to resident species.	Two sample sites upstream of the 8 m cascade confirms non fish bearing status. Combined EF effort of 598 seconds over 510 m of habitat.
12	400-330700	4	2.27	7.5	S3*-S6	00/08	150	282	80	Low	C	11	NA	NA	Barrier (3 x 2 m cascade) in upper *portion of reach prevents upstream* fish migration. Fish bearing based on access below the cascade. Average pool depth of 38 cm. Barrier to resident species.	First order stream with the majority of *mapped stream length over 20%.* Two sample sites above the cascade confirm non fish bearing status. Combined EF effort of 627 seconds over 290 m.
14	400-330700	5	2.20	13.75	S6	00/08	220	472	80	Med	C	11	NA	NA	Barrier (3 x 2 m cascade) prevents *upstream fish migration to this* reach. Average pool depth of 17 cm. Barrier to resident species.	Two sample sites upstream of the 3 m *cascade confirms non fish bearing* status. Combined EF effort of 627 seconds over 290 m of habitat
15	10239	1	1.60	8	S6	00/08	400	320	80	Med	C	11	NA	NA	Barrier (8 x 20 m cascade) prevents upstream fish migration to this reach. Average pool depth of 19 cm. Barrier to resident species	Two sample sites upstream of the 8 m cascade confirms non fish bearing status. Combined EF effort of 598 seconds over 510 m.

Table 7. Summary of Non Fish-Bearing Reaches in 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. (oC)	Type	Method		
18	11061	1	NA	NA	NVC	00/08	NA	NA	NA	Low	NA	NA	NA	NA	No visible channel. Not a stream. No potential fish habitat	First order drainage with a small catchment area.
20	11123	1	NA	NA	NVC	00/08	NA	NA	NA	Low	NA	NA	NA	NA	No visible channel. Not a stream. No potential fish habitat	First order drainage with a small catchment area and approximately 800 m of mapped stream above site.
122	10772	3	0.92	22.75	S6	00/08	50	290	40	Med	C	7	NA	NA	Barrier (60 x120 m cascade) prevents upstream fish migration to this reach. Average pool depth of 7 cm. Barrier to anadromous and resident species.	Sampling upstream of cascade confirms non fish bearing status. Gradient is over 20%.
124	400-301700	4	23.33	4.75	S5	00/08	110	470	60	Med	L	8	NA	NA	Barrier (7 m falls) prevents upstream fish migration to this reach. Average pool depth of 88 cm. Barrier to resident species.	Six sample sites upstream of the 7 m falls confirms non fish bearing status. Combined EF effort of 2240 seconds over 1065 m of habitat.
125	400-301700	5	25.83	7	S5	00/08	120	610	60	Med	L	8	NA	NA	Barrier (7 m falls) prevents upstream fish migration to this reach. Average pool depth of 32 cm. Barrier to resident species.	Six sample sites upstream of the 7 m falls confirms non fish bearing status. Combined EF effort of 2240 seconds over 1065 m of habitat.
126	400-301700-54800	3	5.30	4	S5	00/08	150	420	40	Med	C	5	NA	NA	Barrier (7 m falls) prevents upstream fish migration to this reach. Average pool depth of 19 cm. Barrier to resident species.	Six sample sites upstream of the 7 m falls confirms non fish bearing status. Combined EF effort of 2240 seconds over 1065 m of habitat.
127	400-301700	8	7.02	2	S5	00/08	110	340	70	Med	C	9	NA	NA	Barrier (7 m falls) prevents upstream fish migration to this reach. Average pool depth of 60 cm. Barrier to resident species.	Six sample sites upstream of the 7 m falls confirms non fish bearing status Combined EF effort of 2240 seconds over 1065 m of habitat.
128	400-313700-71700 36000	3	0.75	5.75	S6	00/08	40	81	50	Med	C	15	NA	NA	Barrier (8 m falls) prevents upstream fish migration to this reach. Average pool depth of 13 cm. Barrier to anadromous and resident species.	Ten sample sites upstream of the 8 m falls confirms non fish bearing status Combined EF effort of 3140 seconds over 1400 m of habitat. Inlet and outlet of lakes sampled.
129	10879	1	NA	4	NVC	00/08	NA	NA	NA	NA	NA	NA	NA	NA	No visible channel. Not a stream. No potential fish habitat	First order drainage with approximately 700 m of mapped stream.
130	400-313700	7	17.10	4.25	S5	00/08	80	363	45	Med	C	8	NA	NA	Barrier (8 m falls) prevents upstream fish migration to this reach. Average pool depth of 40 cm. Barrier to anadromous and resident species	Ten sample sites upstream of the 8 m falls confirms non fish bearing status. Combined EF effort of 3140 seconds over 1400 m of habitat. Inlet and outlet of lakes sampled.
131	400-313700	3	25.33	6.5	S5	00/08	60	385	45	Med	L	8	NA	NA	Barrier (8 m falls) prevents upstream fish migration to this reach. Average pool depth of 102 cm. Barrier to anadromous and resident species.	Ten sample sites upstream of the 8 m falls confirms non fish bearing status. Combined EF effort of 3140 seconds over 1400 m of habitat. Inlet and outlet of lakes sampled.

Table 7. Summary of Non Fish-Bearing Reaches in 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. (oC)	Type	Method		
135	400-313700-58800	1	13.15	4.5	S5	00/08	100	608	40	Med	C	5	NA	NA	Barrier (8 m falls) prevents upstream fish migration to this reach. Average pool depth of 28 cm. Barrier to anadromous and resident species.	Ten sample sites upstream of the 8 m falls confirms non fish bearing status. Combined EF effort of 3140 seconds over 1400 m of habitat. Inlet and outlet of lakes sampled.
136	10834	1	0.98	7.5	S6	00/08	80	255	25	Med	C	4	NA	NA	Barrier (8 m falls) prevents upstream fish migration to this reach. Average pool depth of 11 cm. Barrier to anadromous and resident species.	Ten sample sites upstream of the 8 m falls confirms non fish bearing status. Combined EF effort of 3140 seconds over 1400 m of habitat. Inlet and outlet of lakes sampled.
137	400-313700-34400	6	1.78	4	S6	00/08	70	234	30	Med	C	6	NA	NA	Barrier (8 m falls) prevents upstream fish migration to this reach. Average pool depth of 14 cm. Barrier to anadromous and resident species.	Ten sample sites upstream of the 8 m falls confirms non fish bearing status. Combined EF effort of 3140 seconds over 1400 m of habitat. Inlet and outlet of lakes sampled
138	400-324400	9	31.50	6	S5	00/08	200	720	50	Med	C	9	NA	NA	Barrier (6 m falls) prevents upstream fish migration to this reach. Average pool depth of 63 cm. Barrier to anadromous and resident species.	Six sample sites upstream of the 6 m falls confirms non fish bearing status Combined EF effort of 2139 seconds over 850 m of habitat.
139	10163	1	3.00	5.75	S5	00/08	50	210	45	Med	C	7	NA	NA	Barrier (6 m falls) prevents upstream fish migration to this reach. Average pool depth of 19 cm. Barrier to anadromous and resident species.	Six sample sites upstream of the 6 m falls confirms non fish bearing status Combined EF effort of 2139 seconds over 850 m of habitat.
140	400-324400-75200	5	6.17	25.5	S5	00/08	100	185	20	Med	C	4	NA	NA	Barrier (6 m falls) prevents upstream fish migration to this reach. Average pool depth of 8 cm. Barrier to anadromous and resident species.	Six sample sites upstream of the 6 m falls confirms non fish bearing status Combined EF effort of 2139 seconds over 850 m of habitat.
141	400-324400	8	20.67	8.5	S5	00/08	100	526	50	Med	L	9	NA	NA	Barrier (6 m falls) prevents upstream fish migration to this reach. Average pool depth of 80 cm. Barrier to anadromous and resident species.	Six sample sites upstream of the 6 m falls confirms non fish bearing status. Combined EF effort of 2139 seconds over 850 m of habitat.
142	400-324400-52900	3	4.98	2	S5	00/08	110	242	40	Med	C	10	NA	NA	Barrier (10 m falls) prevents upstream fish migration to this reach. Average pool depth of 23 cm. Barrier to anadromous and resident species.	Eight sample sites upstream of the 10 m falls confirms non fish bearing status. Combined EF effort of 1230 seconds over 730 m of habitat.
143	400-324400-52900 84100-0410	1	2.27	2.75	S6	00/08	100	103	40	Med	C	10	NA	NA	Barrier (10 m falls) prevents upstream fish migration to this reach. Average pool depth of 13 cm. Barrier to anadromous and resident species.	Eight sample sites upstream of the 10 m falls confirms non fish bearing status. Combined EF effort of 1230 seconds over 730 m of habitat.

Table 7. Summary of Non Fish-Bearing Reaches in 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. (oC)	Type	Method		
144	400-324400-52900	7	4.75	2	S5	00/08	40	208	40	Med	C	10	NA	NA	Barrier (10 m falls) prevents upstream fish migration to this reach. Average pool depth of 13 cm. Barrier to anadromous and resident species.	Eight sample sites upstream of the 10 m falls confirms non fish bearing status. Combined EF effort of 1230 seconds over 730 m of habitat.
145	400-324400-52900 51900	4	0.57	4.75	S6	00/08	30	96	35	Med	C	12	NA	NA	Barrier (10 m falls) prevents upstream fish migration to this reach. Average pool depth of 4 cm. Barrier to anadromous and resident species.	Eight sample sites upstream of the 10 m falls confirms non fish bearing status. Combined EF effort of 1230 seconds over 730 m of habitat.
146	10041	1	NA	NA	NVC	00/08	NA	NA	NA	NA	NA	NA	NA	NA	No visible channel. Not a stream. No potential fish habitat.	First order drainage with approximately 300 m of mapped stream.
150	400-324400-29000	5	19.17	10.75	S5	00/08	110	331	45	Med	L	6	NA	NA	Barrier (4 m falls) prevents upstream fish migration to this reach. Average pool depth of 50 cm. Barrier to resident species.	Two sample sites upstream of the 4 m falls confirms non fish bearing status. Combined EF effort of 692 seconds over 410 m of habitat.
154	400-350300	11	3.17	2	S5	00/08	70	211	60	Med	C	9	NA	NA	Barrier (20 m falls) prevents upstream fish migration to this reach. Average pool depth of 9 cm. Barrier to resident species.	Three sample sites upstream of the 20 m falls confirms non fish bearing status. Combined EF effort of 750 seconds over 330 m of habitat.
155	10541	1	1.32	1	S6	00/08	60	210	30	Low	C	9	NA	NA	Barrier (20 m falls) prevents upstream fish migration to this reach. Average pool depth of 7 cm. Barrier to resident species.	Three sample sites upstream of the 20 m falls confirms non fish bearing status. Combined EF effort of 750 seconds over 330 m of habitat
156	400-339200	5	6.65	9.25	S5	00/08	70	350	40	Med	C	12	NA	NA	Barrier (8 m falls) prevents upstream fish migration to this reach. Average pool depth of 27 cm. Barrier to resident species.	One sample site upstream of the 8 m falls confirms non fish bearing status.
157	400-330700	6	1.22	0	S6	00/08	70	155	80	Low	C	14	NA	NA	Barrier (3 x 2m cascade) prevents upstream fish migration to this reach. Average pool depth of 8 cm. Barrier to resident species.	Two sample sites upstream of the 3 m cascade confirms non fish bearing status. Combined EF effort of 627 seconds over 290 m of habitat
603	400-301700-28100	2	30.42	11.25	S5	00/08	400	745	60	Low	C	7	NA	NA	Barrier (50 x 150 m cascade) prevents upstream fish migration to this reach. Average pool depth of 72 cm. Barrier to resident species.	Three sample sites upstream of the 50 m cascade confirms non fish bearing status. Combined EF effort of 1781 seconds over 1000 m of habitat.
605	400-301700-28100	4	5.80	5.5	S5	00/08	300	610	60	Med	C	6	NA	NA	Barrier (50 x 150 m cascade) prevents upstream fish migration to this reach. Average pool depth of 31 cm. Barrier to resident species.	Three sample sites upstream of the 50 m cascade confirms non fish bearing status. Combined EF effort of 1781 seconds over 1000 m of habitat.

Table 7. Summary of Non Fish-Bearing Reaches in 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. (oC)	Type	Method		
606	400-301700-28100	4	15.93	8.75	S5	00/08	300	426	60	Med	C	6	NA	NA	Barrier (50 x 150 m cascade) prevents upstream fish migration to this reach. Average pool depth of 44 cm. Barrier to resident species.	Three sample sites upstream of the 50 m cascade confirms non fish bearing status. Combined EF effort of 1781 seconds over 1000 m of habitat.
607	400-301700-65700	4	1.64	10	S6	00/08	200	369	30	Med	C	7	NA	NA	Barrier (7 m falls) prevents upstream fish migration to this reach. Average pool depth of 24 cm. Barrier to resident species.	Six sample sites upstream of the 7 m falls confirms non fish bearing status. Combined EF effort of 2240 seconds over 1065 m of habitat.
608	10885	2	0.45	8.5	S6	00/08	200	206	30	Med	C	7	NA	NA	Barrier (7 m falls) prevents upstream fish migration to this reach. Average pool depth of 9 cm. Barrier to resident species.	Six sample sites upstream of the 7 m falls confirms non fish bearing status. Combined EF effort of 2240 seconds over 1065 m of habitat.
609	400-313700	6	33.98	4.62	S5	00/08	400	510	60	Low	C	10	NA	NA	Barrier (8 m falls) prevents upstream fish migration to this reach. Average pool depth of 59 cm. Barrier to anadromous and resident species.	Ten sample sites upstream of the 8 m falls confirms non fish bearing status. Combined EF effort of 3140 seconds over 1400 m of habitat. Inlet and outlet of lakes sampled.
610	400-313700	4	44.17	4.75	S5	00/08	300	284	60	Low	C	7	NA	NA	Barrier (8 m falls) prevents upstream fish migration to this reach. Average pool depth of 57 cm. Barrier to anadromous and resident species.	Ten sample sites upstream of the 8 m falls confirms non fish bearing status. Combined EF effort of 3140 seconds over 1400 m of habitat. Inlet and outlet of lakes sampled.
611	400-313700	2	25.18	6	S5	00/08	250	478	60	Low	C	7	NA	NA	Barrier (8 m falls) prevents upstream fish migration to this reach. Average pool depth of 82 cm. Barrier to anadromous and resident species.	Ten sample sites upstream of the 8 m falls confirms non fish bearing status. Combined EF effort of 3140 seconds over 1400 m of habitat. Inlet and outlet of lakes sampled.
614	10176	2	5.03	8.75	S5	00/08	200	217	60	Med	C	11	NA	NA	Barrier (6 m falls) prevents upstream fish migration to this reach. Average pool depth of 43 cm. Barrier to anadromous and resident species.	Six sample sites upstream of the 6 m falls confirms non fish bearing status. Combined EF effort of 2139 seconds over 850 m of habitat.
615	10173	3	2.35	2.25	S6	00/08	200	281	60	Med	C	13	NA	NA	Barrier (6 m falls) prevents upstream fish migration to this reach. Average pool depth of 33 cm. Barrier to anadromous and resident species.	Six sample sites upstream of the 6 m falls confirms non fish bearing status. Combined EF effort of 2139 seconds over 850 m of habitat.
616	400-324400-52900	1	29.17	4.5	S5	00/08	250	280	60	Low	C	7	NA	NA	Barrier (10 m falls) prevents upstream fish migration to this reach. Average pool depth of 56 cm. Barrier to anadromous and resident species.	Eight sample sites upstream of the 10 m falls confirms non fish bearing status. Combined EF effort of 1230 seconds over 730 m of habitat.

Table 7. Summary of Non Fish-Bearing Reaches in 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. (oC)	Type	Method		
617	400-324400-52900-17700	6	8.18	4	S5	00-08	100	216	50	Med	C	9	NA	NA	Barrier (10 m falls) prevents upstream fish migration to this reach. Average pool depth of 39 cm. Barrier to anadromous and resident species.	Eight sample sites upstream of the 10 m falls confirms non fish bearing status. Combined EF effort of 1230 seconds over 730 m of habitat.
618	400-324400-52900-17700	3	7.37	7.25	S5	00-08	300	268	70	Med	C	9	NA	NA	Barrier (10 m falls) prevents upstream fish migration to this reach. Average pool depth of 53 cm. Barrier to anadromous and resident species.	Eight sample sites upstream of the 10 m falls confirms non fish bearing status. Combined EF effort of 1230 seconds over 730 m of habitat.
619	400-324400-29000-59400-0130	2	1.38	3.75	S6	00-08	200	186	40	Med	C	8	NA	NA	Gradient (34%) in Reach 1 prevents upstream fish migration to this reach. Average pool depth of 23 cm.	Two sample sites upstream of the high gradient section confirms non fish bearing status.
620	400-324400-29000	7	26.07	6.5	S5	00-08	300	361	50	Med	L	5	NA	NA	Barrier (4 m falls) prevents upstream fish migration to this reach. Average pool depth of 32 cm. Barrier to resident species.	Two sample sites upstream of the 4 m falls confirms non fish bearing status. Combined EF effort of 692 seconds over 410 m of habitat.
621	400-324400-29000-59400	5	4.47	2.25	S5	00-08	300	759	60	Med	C	7	NA	NA	Gradient (34%) in Reach 1.1 prevents upstream fish migration to this reach. Average pool depth of 68 cm.	Two sample sites upstream of the high gradient section confirms non fish bearing status. Combined EF effort of 973 seconds over 500 m of habitat.
622	400-324400-29000-59400-7810	1	2.80	1.5	S6	00-08	200	214	50	Med	C	7	NA	NA	Gradient (34%) in Reach 1.1 prevents upstream fish migration to this reach. Average pool depth of 48 cm.	Two sample sites upstream of the high gradient section confirms non fish bearing status. Combined EF effort of 973 seconds over 500 m of habitat.
624	400-350300-70500	1	14.43	8.75	S2 S5	00-08	200	336	60	Low	C	7	NA	NA	Barrier (17.5 m falls) prevents upstream fish migration to this reach. Average pool depth of 58 cm. Barrier to resident species.	The majority of mapped stream above the falls is greater than 20%
625	400-350300	8	8.63	11	S5	00-08	200	329	60	Low	L	7	NA	NA	Barrier (20 m falls) prevents upstream fish migration to this reach. Average pool depth of 82 cm. Barrier to resident species.	Three sample sites upstream of the 20 m falls confirms non fish bearing status. Combined EF effort of 750 seconds over 330 m of habitat.
627	400-339200-20200	8	1.30	2.5	S6	00-08	300	291	70	Low	C	17	NA	NA	Barrier (5 m falls) prevents upstream fish migration to this reach. Average pool depth of 20 cm. Barrier to resident species.	Two sample sites upstream of the 5 m falls confirms non fish bearing status. Combined EF effort of 527 seconds over 500 m of habitat.
628	400-339200-20200	6	1.59	2	S6	00-08	200	136	60	Low	C	16	NA	NA	Barrier (5 m falls) prevents upstream fish migration to this reach. Average pool depth of 11 cm. Barrier to resident species.	Two sample sites upstream of the 5 m falls confirms non fish bearing status. Combined EF effort of 527 seconds over 500 m of habitat.

Table 7. Summary of Non Fish-Bearing Reaches in 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. (oC)	Type	Method		
629	11066	1	1.04	0.875	S6	00/08	200	98	70	Low	C	12	NA	NA	Upstream wetland is non channelized and dry. No evidence of ponded water. Average pool depth of 8 cm.	First order stream with a small catchment area and low discharge. Upstream wetland was dry. Stream consists of isolated pools and a vegetated channel. 100 % fines substrates. NFC
630	11085	1	2.20	6.75	S6	00/08	300	326	60	Med	C	7	NA	NA	Barrier (40 x 30 m cascade) prevents upstream fish migration to this reach. Average pool depth of 40 cm. Barrier to resident species.	Two sample sites upstream of the 40 m cascade confirms non fish bearing status. Combined EF effort of 776 seconds over 700 m of habitat.
632	400-362300-74700	2	6.27	7.5	S5	00/08	500	896	20	Med	C	9	NA	NA	Barrier (6 x 2 m cascade) prevents upstream fish migration to this reach. Average pool depth of 62 cm. Barrier to resident species	Four sample sites upstream of the 6 m cascade confirms non fish bearing status. Combined EF effort of 3096 seconds over 1950 m of habitat.
634	400-362300-25100	5	16.55	11.5	S5	00/08	100	215	40	Low	C	8	NA	NA	Barrier (5 m falls) prevents upstream fish migration to this reach. Average pool depth of 27 cm. Barrier to resident species.	Three sample sites upstream of the 5 m falls confirms non fish bearing status. Combined EF effort of 991 seconds over 700 m of habitat.
635	11001	1	NA	2	NVC	00/08	NA	NA	NA	NA	NA	NA	NA	NA	Isolated pockets of standing water. No fish habitat observed. No defined channel or evidence of scour.	First order drainage with approximately 800 m of mapped stream length.
636	11000	1	0.69	4.75	S4*/S6	00/08	200	139	50	Low	C	10	NA	NA	Potential fish access to the lower 400 m of this reach. Above that point no fish habitat is available. Average pool depth of 7 cm.	Upstream of the lower 400 m the channel becomes poorly defined and offers no fish habitat. Gradient increases to 10 -15%. NFC
644	400-362300-25100	1	5.72	8.75	S5	00/08	400	517	50	Med	C	10	NA	NA	Barrier (5 m falls) prevents upstream fish migration to this reach. Average pool depth of 33 cm. Barrier to resident species.	Three sample sites upstream of the 5 m falls confirms non fish bearing status. Combined EF effort of 991 seconds over 700 m of habitat.
645	400-362300-25100	2	5.40	15	S5	00/08	200	259	50	Med	C	10	NA	NA	Barrier (5 m falls) prevents upstream fish migration to this reach. Average pool depth of 34 cm. Barrier to resident species.	Three sample sites upstream of the 5 m falls confirms non fish bearing status. Combined EF effort of 991 seconds over 700 m of habitat.
646	400-339200-20200	3	8.68	14.25	S2 S5	00/08	200	346	60	Low	C	10	NA	NA	Barrier (5 m falls) prevents upstream fish migration to this reach. Average pool depth of 33 cm. Barrier to resident species.	Two sample sites upstream of the 5 m falls confirms non fish bearing status. Combined EF effort of 527 seconds over 500 m of habitat
647	10256	1	0.75	6.5	S6	00/08	300	267	50	Low	C	10	NA	NA	Barrier (30 x 50 m cascade) prevents upstream fish migration to this reach. Average pool depth of 6 cm. Barrier to resident species.	One sample site upstream of the 30 m cascade confirms non fish bearing status. Total stream length is approximately 600 m

Table 7. Summary of Non Fish-Bearing Reaches in 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. (oC)	Type	Method		
702	400-362300-67500	2	8.50	9.75	S5	00 08	400	450	90	Med	L	9	NA	NA	Barrier (40 x 30 m cascade) prevents upstream fish migration to this reach. Average pool depth of 63 cm. Barrier to resident species.	Two sample sites upstream of the 40 m cascade confirms non fish bearing status. Combined EF effort of 776 seconds over 700 m of habitat.
704	400-362300-67500	4	11.83	11.25	S5	00 08	500	380	90	Med	L	8	NA	NA	Barrier (100 x 100 m cascade) prevents upstream fish migration to this reach. Average pool depth of 78 cm. Barrier to resident species.	Two sample sites upstream of the 100 m cascade confirms non fish bearing status. Combined EF effort of 950 seconds over 700 m of habitat
705	400-362300-67500	4	5.50	7	S5	00 08	200	570	90	Med	L	8	NA	NA	Barrier (100 x 100 m cascade) prevents upstream fish migration to this reach. Average pool depth of 42 cm. Barrier to resident species.	Two sample sites upstream of the 100 m cascade confirms non fish bearing status. Combined EF effort of 950 seconds over 700 m of habitat
706	400-362300-74700	3	6.15	6.75	S5	00 08	350	520	80	Med	C	8	NA	NA	Barrier (6 x 2 m cascade) prevents upstream fish migration to this reach. Average pool depth of 48 cm. Barrier to resident species.	Four sample sites upstream of the 6 m cascade confirms non fish bearing status. Combined EF effort of 3096 seconds over 1950 m of habitat.
707	400-362300-74700	3	5.10	7.5	S5	00 08	350	480	80	Med	C	8	NA	NA	Barrier (6 x 2 m cascade) prevents upstream fish migration to this reach. Average pool depth of 68 cm. Barrier to resident species.	Four sample sites upstream of the 6 m cascade confirms non fish bearing status. Combined EF effort of 3096 seconds over 1950 m of habitat.
708	400-362300-74700	2	7.27	5.75	S5	00 08	750	1200	80	Med	C	8	NA	NA	Barrier (6 x 2 m cascade) prevents upstream fish migration to this reach. Average pool depth of 75 cm. Barrier to resident species	Four sample sites upstream of the 6 m cascade confirms non fish bearing status. Combined EF effort of 3096 seconds over 1950 m of habitat.

5.0 STREAM CLASSIFICATION SUMMARY

Table 8 provides a summary of stream inventory information collected during the project and Riparian Management Area (RMA) classifications for each reach sampled.

Table 8. Stream Classification Summary for the Study Area.

Site	ILP/WSC	Reach	Map Number	Width (m)	Gradient (%)	Species	Stream Class	Comments
1	10299	1	103P.010	1.12	2.3	NFC	S6	Barrier (50 m falls) prevents upstream fish migration to this reach. Average pool depth of 28 cm. Barrier to anadromous and resident species.
2	400-330700	2	103P.009	2.32	12.5	DV	S3	Dolly Varden captured upstream of 7 m falls. Spawning, rearing and overwintering habitat is present within sample site.
3	10301	3	103P.020	0.93	3.8	NS	S6*	Inferred non fish bearing. Barrier downstream (Reach 2 average gradient is 26%). Average pool depth of 10 cm.
4	10628	1	103P.020	NA	NA	NS	NVC	No visible channel. No evidence of surface scour or alluvial substrates. No potential fish habitat.
5	10303	1	103P.010	23.33	NA	CO	FSZ	Slough adjacent to the Skeena River. High value rearing, with good overwintering habitat. No spawning habitat present.
6	10810	1	103I.098	0.77	19.5	NFC	S6	Barrier (12 m falls) prevents upstream fish migration to this reach. Average pool depth of 8 cm. Barrier to anadromous and resident species.
7	10893	1	103I.099	NA	NA	NS	NVC	No visible channel. No evidence of surface scour or alluvial substrates. No potential fish habitat.
8	400-324400	1	103I.099	45.00	0.8	CO, CH	S1	Fair rearing habitat, but spawning habitat is limited by high velocity.
9	10236	1	103P.009	NA	NA	NS	NVC	No visible channel. Not a stream. No potential fish habitat
10	10244	1	103P.009	NA	NA	NS	NVC	No visible channel. Not a stream. No potential fish habitat
11	10239	2	103I.009	1.07	4.8	NFC	S6	Barrier (8 x 20 m cascade) in Reach 1 prevents upstream fish migration to this reach.
12	400-330700	4	103P.009	2.27	7.5	NFC	S3*/S6	Barrier (3 m cascade) in upper portion of reach prevents upstream fish migration. Fish bearing based on access below cascade.
13	400-330700	3	103P.009	1.78	7.8	DV	S3	Moderate spawning and rearing habitat, limited overwintering.
14	400-330700	5	103P.009	2.20	13.8	NFC	S6	Barrier (3 x 2 m cascade) prevents upstream fish migration to this reach. Average pool depth of 17 cm. Barrier to resident species.
15	10239	1	103P.009	1.60	8.0	NFC	S6	Barrier (8 x 20 m cascade) prevents upstream fish migration to this reach. Average pool depth of 19 cm. Barrier to resident species.
16	10242	1	103P.009	1.00	11.0	NFC	S4*	No permanent barriers were identified. Fish bearing based on access.
17	400-362300-33000	1	103P.020	1.88	2.5	DV	S3	Moderate spawning and rearing habitat. Overwintering habitat is limited by pool depth.
18	11061	1	103P.020	NA	NA	NS	NVC	No visible channel. Not a stream. No potential fish habitat
19	11063	1	103P.020	1.22	4.3	NFC	S4*	No barriers to upstream fish migration were identified.
20	11123	1	103P.020	NA	NA	NS	NVC	No visible channel. Not a stream. No potential fish habitat
21	400-362300	3	103P.020	16.67	3.8	DV	S2	High value rearing and overwintering habitat, moderate spawning.
22	11062	1	103P.020	NA	NA	NS	NVC	Wetland reach. Potential fish habitat. Rearing and overwintering habitat is abundant.

Table 8. Stream Classification Summary for the Study Area.

Site	ILP/WSC	Reach	Map Number	Width (m)	Gradient (%)	Species	Stream Class	Comments
122	10772	3	103I.089	0.92	22.8	NFC	S6	Barrier (60 x120 m cascade) prevents upstream fish migration to this reach. Average pool depth of 7 cm. Barrier to anadromous and resident species.
123	400-301700	2	103I.088	27.17	4.3	DV	S1	No spawning habitat present (large substrate size). Marginal rearing and overwintering habitat.
124	400-301700	4	103I.088	23.33	4.8	NFC	S5	Barrier (7 m falls) prevents upstream fish migration to this reach. Average pool depth of 88 cm. Barrier to resident species.
125	400-301700	5	103I.088	25.83	7.0	NFC	S5	Barrier (7 m falls) prevents upstream fish migration to this reach. Average pool depth of 32 cm. Barrier to resident species.
126	400-301700-54800	3	103I.088	5.30	4.0	NFC	S5	Barrier (7 m falls) prevents upstream fish migration to this reach. Average pool depth of 19 cm. Barrier to resident species.
127	400-301700	8	103I.098	7.02	2.0	NFC	S5	Barrier (7 m falls) prevents upstream fish migration to this reach. Average pool depth of 60 cm. Barrier to resident species.
128	400-313700-71700-36000	3	103I.098	0.75	5.8	NFC	S6	Barrier (8 m falls) prevents upstream fish migration to this reach. Average pool depth of 13 cm. Barrier to anadromous and resident species.
129	10879	1	103I.098	0.00	4.0	NS	NVC	No visible channel. Not a stream. No potential fish habitat
130	400-313700	7	103I.098	17.10	4.3	NFC	S5	Barrier (8 m falls) prevents upstream fish migration to this reach. Average pool depth of 40 cm. Barrier to anadromous and resident species.
131	400-313700	3	103I.098	25.33	6.5	NFC	S5	Falls (8 m) in Reach 2 prevents upstream fish migration to this reach.
135	400-313700-58800	1	103I.098	13.15	4.5	NFC	S5	Barrier (8 m falls) prevents upstream fish migration to this reach. Average pool depth of 28 cm. Barrier to anadromous and resident species.
136	10834	1	103I.098	0.98	7.5	NFC	S6	Barrier (8 m falls) prevents upstream fish migration to this reach. Average pool depth of 11 cm. Barrier to anadromous and resident species.
137	400-313700-34400	6	103I.098	1.78	4.0	NFC	S6	Barrier (8 m falls) prevents upstream fish migration to this reach. Average pool depth of 14 cm. Barrier to anadromous and resident species.
138	400-324400	9	103P.008	31.50	6.0	NFC	S5	Barrier (6 m falls) prevents upstream fish migration to this reach. Average pool depth of 63 cm. Barrier to anadromous and resident species.
139	10163	1	103P.008	3.00	5.8	NFC	S5	Barrier (6 m falls) prevents upstream fish migration to this reach. Average pool depth of 19 cm. Barrier to anadromous and resident species.
140	400-324400-75200	5	103P.008	6.17	25.5	NFC	S5	Barrier (6 m falls) prevents upstream fish migration to this reach. Average pool depth of 8 cm. Barrier to anadromous and resident species.
141	400-324400	8	103P.008	20.67	8.5	NFC	S5	Barrier (6 m falls) prevents upstream fish migration to this reach. Average pool depth of 80 cm. Barrier to anadromous and resident species.

Table 8. Stream Classification Summary for the Study Area.

Site	ILP/WSC	Reach	Map Number	Width (m)	Gradient (%)	Species	Stream Class	Comments
142	400-324400-52900	3	103P.008	4.98	2.0	NFC	S5	Barrier (10 m falls) prevents upstream fish migration to this reach. Average pool depth of 23 cm. Barrier to anadromous and resident species.
143	400-324400-52900-84100-0410	1	103P.008	2.27	2.8	NFC	S6	Barrier (10 m falls) prevents upstream fish migration to this reach. Average pool depth of 13 cm. Barrier to anadromous and resident species.
144	400-324400-52900	7	103P.008	4.75	2.0	NFC	S5	Falls (10 m) in Reach 1 prevent upstream fish migration to this reach.
145	400-324400-52900-51900	4	103P.008	0.57	4.8	NFC	S6	Barrier (10 m falls) prevents upstream fish migration to this reach. Average pool depth of 4 cm. Barrier to anadromous and resident species.
146	10041	1	103P.008	NA	NA	NS	NVC	No visible channel. Not a stream. No potential fish habitat.
150	400-324400-29000	5	103P.008	19.17	10.8	NFC	S5	Barrier (4 m falls) prevents upstream fish migration to this reach. Average pool depth of 50 cm. Barrier to resident species.
151	400-324400-29000	3	103P.008	19.00	6.5	DV	S2	Moderate rearing, poor spawning and limited overwintering habitat.
152	400-350300-30200	2	103P.019	11.23	9.8	DV	S2	Moderate spawning and rearing with limited overwintering.
153	400-350300	6	103P.019	27.42	4.3	DV	S1	Moderate to high value rearing habitat. Moderate spawning habitat
154	400-350300	11	103P.019	3.17	2.0	NFC	S5	Barrier (20 m falls) prevents upstream fish migration to this reach. Average pool depth of 9 cm. Barrier to resident species.
155	10541	1	103P.019	1.32	1.0	NFC	S6	Falls (20 m) in Reach 7 of Sedan Creek prevent upstream fish migration to this reach.
156	400-339200	5	103P.009	6.65	9.3	NFC	S5	Barrier (8 m falls) prevents upstream fish migration to this reach. Average pool depth of 27 cm. Barrier to resident species.
157	400-330700	6	103P.009	1.22	0.0	NFC	S6	Barrier (3 x 2m cascade) prevents upstream fish migration to this reach. Average pool depth of 8 cm. Barrier to resident species.
158	10250	2	103P.009	14.50	NA	NFC	Wetland	Stream reach has been heavily impacted by beavers. Inferred fish bearing.
601	10778	2	103I.089	0.88	2.5	NFC	S4*	No permanent barriers to upstream fish migration were identified. Numerous beaver dams may temporarily limit fish access to this reach.
602	400-297600	1	103I.089	1.88	4.3	CO, CH	S3	Fish were captured downstream of CN Rail crossing. A culvert blocks upstream fish migration (perched 1.5 m) to high quality rearing habitat.
603	400-301700-28100	2	103I.088	30.42	11.3	NFC	S5	Barrier (50 x 150 m cascade) prevents upstream fish migration to this reach. Average pool depth of 72 cm. Barrier to resident species.
604	400-301700-28100	1	103I.088	22.57	16.0	BT	S1	Poor spawning and rearing with moderate overwintering habitat.
605	400-301700-28100	4	103I.088	5.80	5.5	NFC	S5	Barrier (50 x 150 m cascade) prevents upstream fish migration to this reach. Average pool depth of 31 cm. Barrier to resident species.

Table 8. Stream Classification Summary for the Study Area.

Site	ILP/WSC	Reach	Map Number	Width (m)	Gradient (%)	Species	Stream Class	Comments
606	400-301700-28100	4	103I.088	15.93	8.8	NFC	S5	Barrier (50 x 150 m cascade) prevents upstream fish migration to this reach. Average pool depth of 44 cm. Barrier to resident species.
607	400-301700-65700	4	103I.098	1.64	10.0	NFC	S6	Barrier (gradient) in Reach 1 prevents fish access to this reach.
608	10885	2	103I.098	0.45	8.5	NFC	S6	Barrier (7 m falls) prevents upstream fish migration to this reach. Average pool depth of 9 cm. Barrier to resident species.
609	400-313700	6	103I.098	33.98	4.6	NFC	S5	Barrier (8 m falls) prevents upstream fish migration to this reach. Average pool depth of 59 cm. Barrier to anadromous and resident species.
610	400-313700	4	103I.098	44.17	4.8	NFC	S5	Barrier (8 m falls) prevents upstream fish migration to this reach. Average pool depth of 57 cm. Barrier to anadromous and resident species.
611	400-313700	2	103I.098	25.18	6.0	NFC	S5	Barrier (8 m falls) prevents upstream fish migration to this reach. Average pool depth of 82 cm. Barrier to anadromous and resident species.
612	400-324400	7	103P.008	40.83	4.5	DV	S1	High quality rearing, poor spawning and limited overwintering habitat present.
613	400-324400-52900	1	103P.008	20.85	4.0	DV	S1	High quality rearing, poor spawning and limited overwintering habitat present.
614	10176	2	103P.008	5.03	8.8	NFC	S5	Barrier (6 m falls) prevents upstream fish migration to this reach. Average pool depth of 43 cm. Barrier to anadromous and resident species.
615	10173	3	103P.008	2.35	2.3	NFC	S6	Barrier (6 m falls) prevents upstream fish migration to this reach. Average pool depth of 33 cm. Barrier to anadromous and resident species.
616	400-324400-52900	1	103P.008	29.17	4.5	NFC	S5	Barrier (10 m falls) prevents upstream fish migration to this reach. Average pool depth of 56 cm. Barrier to anadromous and resident species.
617	400-324400-52900-17700	6	103P.008	8.18	4.0	NFC	S5	Barrier (10 m falls) prevents upstream fish migration to this reach. Average pool depth of 39 cm. Barrier to anadromous and resident species.
618	400-324400-52900-17700	3	103P.008	7.37	7.3	NFC	S5	Barrier (10 m falls) prevents upstream fish migration to this reach. Average pool depth of 53 cm. Barrier to anadromous and resident species.
619	400-324400-29000-59400-0130	2	103P.008	1.38	3.8	NFC	S6	Gradient (34%) in Reach 1 prevents upstream fish migration to this reach. Average pool depth of 23 cm.
620	400-324400-29000	7	103P.019	26.07	6.5	NFC	S5	Barrier (4 m falls) prevents upstream fish migration to this reach. Average pool depth of 32 cm. Barrier to resident species.
621	400-324400-29000-59400	5	103P.018	4.47	2.3	NFC	S5	Gradient (34%) in Reach 1.1 prevents upstream fish migration to this reach. Average pool depth of 68 cm.
622	400-324400-29000-59400-7810	1	103P.018	2.80	1.5	NFC	S6	Gradient (34%) in Reach 1.1 prevents upstream fish migration to this reach. Average pool depth of 48 cm.
623	400-350300	6	103P.019	38.92	4.5	DV	S1	Moderate rearing habitat, poor spawning and overwintering habitat present.

Table 8. Stream Classification Summary for the Study Area.

Site	ILP/WSC	Reach	Map Number	Width (m)	Gradient (%)	Species	Stream Class	Comments
624	400-350300-70500	1	103P.019	14.43	8.8	DV	S2/S5	Barrier (17.5 m falls) prevents upstream fish migration to this reach. Average pool depth of 58 cm. Barrier to resident species.
625	400-350300	8	103P.019	8.63	11.0	NFC	S5	Barrier (20 m falls) prevents upstream fish migration to this reach. Average pool depth of 82 cm. Barrier to resident species.
626	400-339200	3	103P.009	7.53	5.3	DV	S2	High quality rearing, poor spawning and limited overwintering habitat present.
627	400-339200-20200	8	103P.009	1.30	2.5	NFC	S6	Barrier (5 m falls) prevents upstream fish migration to this reach. Average pool depth of 20 cm. Barrier to resident species.
628	400-339200-20200	6	103P.009	1.59	2.0	NFC	S6	Barrier (5 m falls) prevents upstream fish migration to this reach. Average pool depth of 11 cm. Barrier to resident species.
629	11066	1	103P.020	1.04	0.9	NFC	S6	Upstream wetland is non channelized and dry. No evidence of ponded water. Average pool depth of 8 cm.
630	11085	1	103P.020	2.20	6.8	NFC	S6	Barrier (40 x 30 m cascade) prevents upstream fish migration to this reach. Average pool depth of 40 cm. Barrier to resident species.
631	400-362300-67500	3	103P.020	13.95	13.5	DV	S2	High quality rearing, poor spawning and limited overwintering habitat present.
632	400-362300-74700	2	103P.030	6.27	7.5	NFC	S5	Barrier (6 x 2 m cascade) prevents upstream fish migration to this reach. Average pool depth of 62 cm. Barrier to resident species.
633	400-362300-74700	2	103P.020	7.97	7.8	DV	S2	Moderate rearing habitat and poor spawning habitat.
634	400-362300-25100	5	103P.020	16.55	11.5	NFC	S5	Barrier (5 m falls) prevents upstream fish migration to this reach. Average pool depth of 27 cm. Barrier to resident species.
635	11001	1	103P.030	NA	2.0	NS	NVC	Isolated pockets of standing water. No fish habitat observed. No defined channel or evidence of scour.
636	11000	1	103P.030	0.69	4.8	NFC	S4*/S6	Potential fish access to the lower 400 m of this reach. Above that point no fish habitat is available.
637	400-362300	6	103P.030	1.58	0.8	CT	S3	Moderate rearing and spawning habitat. Overwintering habitat is present in upstream and downstream lakes.
638	11002	1	103P.030	0.63	3.5	NFC	S4*	Fish may access this reach from downstream fish bearing water.
639	11003	1	103P.030	0.83	5.0	NFC	S4*	Fish may access this reach from downstream lake.
640	400-362300	8	103P.030	0.96	3.5	DV	S4	Poor rearing and spawning habitat. No overwintering habitat present.
641	11069	1	103P.020	1.93	1.4	DV	S3	Moderate spawning habitat and rearing habitat. No overwintering habitat present.
642	11064	1	103P.020	0.48	1.0	NFC	S4*	Fish may access this reach from downstream fish bearing water.
643	400-362300-49200	1	103P.020	1.41	3.5	DV	S4	Moderate rearing habitat. Poor spawning habitat. No overwintering habitat observed.

Table 8. Stream Classification Summary for the Study Area.

Site	ILP/WSC	Reach	Map Number	Width (m)	Gradient (%)	Species	Stream Class	Comments
644	400-362300-25100	1	103P.020	5.72	8.8	NFC	S5	Barrier (5 m falls) prevents upstream fish migration to this reach. Average pool depth of 33 cm. Barrier to resident species.
645	400-362300-25100	2	103P.020	5.40	15.0	NFC	S5	Falls (5 m) located at confluence prevent upstream fish migration
646	400-339200-20200	3	103P.009	8.68	14.3	DV	S2/S5	Moderate rearing habitat. Poor spawning habitat. Overwintering habitat is present.
647	10256	1	103P.009	0.75	6.5	NFC	S6	Barrier (30 x 50 m cascade) prevents upstream fish migration to this reach. Average pool depth of 6 cm. Barrier to resident species.
648	11905	1	103P.009	2.41	6.8	NFC	S3*	No barriers to upstream fish migration were identified. Potential fish access to this reach.
649	10285	1	103P.009	0.65	1.6	NS	S4*	No barriers to upstream fish migration were identified. Potential seasonal fish use in this reach.
650	10288	1	103P.009	2.95	1.6	DV	S3	Moderate spawning and poor rearing habitat present. No overwintering habitat observed.
701	400-362300-67500-35100	2	103P.020	10.08	12.5	DV	S2	High value rearing, spawning, and overwintering habitat.
702	400-362300-67500	2	103P.020	8.50	9.8	NFC	S5	Barrier (40 x 30 m cascade) prevents upstream fish migration to this reach. Average pool depth of 63 cm. Barrier to resident species.
703	400-362300-67500	2	103P.020	9.67	6.5	DV	S2	High value rearing and spawning habitat. Moderate overwintering habitat.
704	400-362300-67500	4	103P.020	11.83	11.3	NFC	S5	Barrier (100 x 100 m cascade) prevents upstream fish migration to this reach. Average pool depth of 78 cm. Barrier to resident species.
705	400-362300-67500	4	103P.020	5.50	7.0	NFC	S5	Barrier (100 x 100 m cascade) prevents upstream fish migration to this reach. Average pool depth of 42 cm. Barrier to resident species.
706	400-362300-74700	3	103P.030	6.15	6.8	NFC	S5	Cascade (6 m) in Reach 2 prevents upstream fish migration to this reach.
707	400-362300-74700	3	103P.030	5.10	7.5	NFC	S5	Barrier (6 x 2 m cascade) prevents upstream fish migration to this reach. Average pool depth of 68 cm. Barrier to resident species.
708	400-362300-74700	2	103P.020	7.27	5.8	NFC	S5	Cascade (6 m) prevents upstream fish migration to this reach.
709	400-362300-74700	1	103P.020	9.78	4.8	DV	S2	Moderate rearing, spawning and overwintering habitat.
720	11005	1	103P.030	0.35	6.8	DV	S4	Limited spawning and rearing habitat. No overwintering habitat present.
721	11006	1	103P.030	0.40	8.0	NFC	S4*	Potential fish access below cutblock.
722	11009	1	103P.030	1.12	5.8	DV	S4	No spawning or overwintering habitat. Low rearing potential.
723	11008	1	103P.030	1.02	4.5	DV	S4	Moderate rearing habitat. Pockets of suitable spawning habitat. No overwintering habitat.

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APPENDIX I

Reach Cards/Site Cards/Fish Collection Forms and Photographs

(in order of ascending site number)

Stream Reach/Site Summary Report

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.010	10299

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** 103P.010 **ILP #:** 10299

REACH

Reach #: 1.0 **UTM(Zone/East/North):** 9.551920.6105588 **Sample Type:** R

Length (km): .85 **Gradient (%):** 3.41 **US Elev (m):** 305 **Order:** 1 **Magnitude:** 1

Confinement: OC **Coupling:** DC **Open water:** A **BGC Zone:** ICH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 1 **Site Lg (m):** 110

GIS UTM(Zone/East/North)		
9	551926	6105339

Date: 2000/07/24 **Agency:** C172 **Crew:** BW/EM **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	1.12	0.800	1.4	6
Wetted Width (m):	1.12	0.800	1.4	6
Wb Depth (m):	0.67	0.5	0.8	3

	Avg %	Min %	Max %	#
Gadient %:	2.25	2	2	4
Pool Depth (m):	0.28	0.200	0.400	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 12 **pH:** 7.2 **Cond.:** 80 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: F Subdom: NA

D95: 0.01 D (cm): 0.01

Pattern: SI Islands: N

Coupling: PC Confinement: OC

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: A

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	S	D	N	T	N	D	N
Loc: P/S/O:	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE 4 71-90%

LWD: A DIST: E INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

RB SHP: S Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A RIP: D STG: PS

LB SHP: S Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A RIP: D STG: PS

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)			
103P.010	70499	F	50.0	GE	20	GE	R: F:	L: #:	9	551545	6104662	GIS

Comments: Barriers observed from Sedan Creek

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
1	*EF*	1	110	230 sec	300	NFC	0		

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
1.0	103P.010	10299	1

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

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103P.010 ILP #: 10299 NID Map #: 103P.010 NID #: 60499 Reach #: 1.0 Site #: 1

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)
	9 551926 6105339

Site Lg: 110 Method: HC Access: V4
Ref. Name:
Date: 2000/07/24 Time: 09:45 Agency: C172 Crew: BW/EM Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	MS	1.20	1.30	1.10	0.80	0.90	1.40					1.12
Wetted Width (m):	MS	1.20	1.30	1.10	0.80	0.90	1.40					1.12
Pool Depth (m):	MS	0.30	0.40	0.20	0.20	0.30	0.30					0.28

	Gadient %		Mtd	Avg
Method I:	2.0	2.0	AL	2.25
Method II:	3.0	2.0	AL	

Wb Depth:	.8	.7	.5

Avg: 0.67 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	D	N	T	N	D	N
Loc: P/S/O:	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
4 71-90%
INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: A DIST: E

LB SHP: S
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: D
STG: PS

RB SHP: S
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: D
STG: PS

WATER

EMS:
Temp: 12 Method: T3
pH: 7.2 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 80 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: F Subdom: NA
D95: 0.01 D (cm): 0.01 Morph: RP
Pattern: SI
Islands: N
Coupling: PC
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

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)
103P.010	70499	F	50.0	GE	20	GE	R: F:	L: #:	9 551545 6104662 GIS

Comments: Barriers observed from Sedan Creek

HABITAT QUALITY

Name	Comments
Rearing Habitat	Low value rearing habitat limited by low discharge
OverWinter Habitat	No overwintering habitat
Spawning Habitat	No spawning habitat

PHOTOS

Photo	Foc Lg	Dir	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.010	10299	1

Photo				Foc Lg	Dir	Comments
R:	1	F:	1	STD	U	Upstream photo of a small stream with good overstream cover
R:	1	F:	2	STD	D	Downstream photo of abundant LWD

COMMENTS

Section	Comments
SITE CARD	Fish form 30470
CHANNEL	NFC downstream barrier prevents upstream fish migration
CHANNEL	S6 Stream

FDIS Fish Form

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.010	10299

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: 103P.010 ILP #: 10299 Reach #: 1 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/07/24 To: 2000/07/24 Agency: C172 Crew: BW/EM Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment
1	103P.010	60499					EF	1	12	80	C	

A. GEAR SETTINGS

Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
1	EF	1	1	2000/07/24	09:45	2000/07/24	09:55	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
1	EF	1	1	O	230	110.0	1.2	300	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	NFC			0				

Site #1, Downstream photo of abundant LWD
Roll #1, Frame #2, Date: 2000/07/24

Site #1, Upstream photo of a small stream with good overstream cover
Roll #1, Frame #1, Date: 2000/07/24

Stream Reach/Site Summary Report

Reach # ILP Map # ILP #

Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000 2.0

STREAM REFERENCING

Gazetted Name: Local Name: None

Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000 ILP Map #: ILP #:

REACH

Reach #: 2.0 UTM(Zone/East/North): 9.541521.6097758 Sample Type: B

Length (km): 1.50 Gradient (%): 12.07 US Elev (m): 366 Order: 3 Magnitude: 5

Confinement: CO Coupling: CO Open water: A BGC Zone: ICH

Islands: N Bars: ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR Riparian Veg.: M Landuse: NO

SITE

Site #: 2 GIS UTM(Zone/East/North) Date: 2000/07/24 Agency: C172 Crew: BW/EM

Site Lg (m): 100 9 542421 6097076 Ref. Name:

CHANNEL

No Vis.Ch.: ☐ Intermittent: ☐

Dw: ☐ Tribs.: ☐

	Avg	Min	Max	#
Channel Width (m):	2.32	1.8	3	6
Wetted Width (m):	1.78	1.5	2.200	6
Wb Depth (m):	0.87	0.8	1	3

	Avg %	Min %	Max %	#
Gadient %:	12.50	10	16	4
Pool Depth (m):	0.43	0.200	0.600	6

Stage: L ☑ M ☐ H ☐ Temp (C): 13 pH: 7.1 Cond.: 80 Turb.: ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: C Subdom: B

D95: 80.00 D (cm): 25.00

Pattern: SI Islands: N

Coupling: CO Confinement: CO

Morph: CP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	T	D	T	T	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE 3 41-70%

LWD: F DIST: E INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

RB SHP: S Texture: ☐ F ☐ G ☐ C ☐ B ☑ R ☐ A RIP: M STG: YF

LB SHP: S Texture: ☐ F ☐ G ☐ C ☐ B ☑ R ☐ A RIP: M STG: YF

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)
103P.009	70512	F	7.0	GE	0	GE	R: 1 F: 3	L: #:	9 542596 6097002 GIS

Comments: Photo of a 7 m falls

FISH

Site Number	Capture Method	Number of Events	Total Length (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
2	EF	1	100	141 sec	600	DV	9	48	111

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
2.0			2

Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: None
Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103P.009 NID #: 60512 Reach #: 2.0 Site #: 2

Field UTM(Zone/East/North/Method)				GIS UTM(Zone/East/North)		
				9	542421	6097076

Site Lg: 100 Method: HC Access: V4
Ref. Name:
Date: 2000/07/24 Time: 11:50 Agency: C172 Crew: BW/EM Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	2.20	2.10	3.00	1.80	2.70	2.10					2.32
Wetted Width (m):	T	1.70	1.50	1.80	1.70	2.20	1.80					1.78
Pool Depth (m):	MS	0.30	0.50	0.50	0.60	0.50	0.20					0.43

	Gadient %		Mtd	Avg
Method I:	16.0	10.0	AL	12.50
Method II:	11.0	13.0	AL	

Wb Depth:	1.0	.8	.8

Avg: 0.87 Method: MS Stage: L ☑ M ☐ H ☐
No Vis.Ch.: ☐ Intermittent: ☐
Dw: ☐ Tribs.: ☐

COVER Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	T	D	T	T	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
3 41-70%
INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: F DIST: E

LB SHP: S
Texture: ☐ F ☐ G ☐ C ☐ B ☑ R ☐ A
RIP: M
STG: YF

RB SHP: S
Texture: ☐ F ☐ G ☐ C ☐ B ☑ R ☐ A
RIP: M
STG: YF

WATER

EMS:
Req #:
Temp: 13 Method: T3
Cond.: 80 Method: S4
pH: 7.1 Method: P2
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE
Flood Signs: NONE Method: GE

MORPHOLOGY

Bed Material: Dominant: C Subdom: B
D95: 80.0 D (cm): 25.00 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

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo				AirPhoto				UTM (Zone/East/North/Method)			
103P.009	70512	F	7.0	GE	0	GE	R:	1	F:	3	L:		#:		9	542596	6097002	GIS

Comments: Photo of a 7 m falls

HABITAT QUALITY

Name	Comments
OverWinter Habitat	Overwintering habitat is present in pools greater than 50 cm
Rearing Habitat	Rearing habitat is provided by boulder cover
Spawning Habitat	Moderate value salmonid spawning habitat-limited by bedrock substrates

PHOTOS

Photo	Foc Lg	Dir	Comments

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
2.0			2

Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000

Photo				Foc Lg	Dir	Comments
R:	1	F:	3	STD	U	Upstream photo of a 7 m falls. Fish were captured upstream.
R:	1	F:	4	STD	D	Downstream photo of a confined nature of this stream

COMMENTS

Section	Comments
SITE CARD	Fish form 30465
CHANNEL	Resident DV live upstream of the 7 m falls located at the lower end of reach 2.
CHANNEL	S3 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000 2.0

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 2 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/07/24 To: 2000/07/24 Agency: C172 Crew: BW/EM Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
2	103P.009	60512		EF 1	13	80	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
2	EF 1	1	2000/07/24	11:50	2000/07/24	12:10	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
2	EF 1	1	O	141	100.0	1.8	600	60	6	SMITH ROOT	12B

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
2	EF 1	1	DV	J		9	48 111	R	

INDIVIDUAL FISH DATA

Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age Str/Smpl#/Age	Vch#	Genetic Str/Smpl#	Roll #	Frame#	Comment
2	EF 1	1	DV	48		U	U						
2	EF 1	1	DV	57		U	U						
2	EF 1	1	DV	110		U	U						
2	EF 1	1	DV	98		U	U						
2	EF 1	1	DV	90		U	U						
2	EF 1	1	DV	87		U	U						
2	EF 1	1	DV	111		U	U						
2	EF 1	1	DV	99		U	U						
2	EF 1	1	DV	100		U	U						

Site #2, Upstream photo of a 7 m falls. Fish were captured upstream.
Roll #1, Frame #3, Date: 2000/07/24

Site #2, Downstream photo of a confined nature of this stream
Roll #1, Frame #4, Date: 2000/07/24

Stream Reach/Site Summary Report

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	3.0	103P.020	10301

STREAM REFERENCING

Gazetted Name: **Local Name:** Darling Creek

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** 103P.020 **ILP #:** 10301

REACH

Reach #: 3.0 **UTM(Zone/East/North):** 9.554326.6106917 **Sample Type:** B

Length (km): .71 **Gradient (%):** 10.7 **US Elev (m):** 379 **Order:** 2 **Magnitude:** 2

Confinement: OC **Coupling:** PC **Open water:** A **BGC Zone:** ICH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** FR

SITE

Site #: 3 **Site Lg (m):** 150

GIS UTM(Zone/East/North)		
9	554499	6106428

Date: 2000/07/24 **Agency:** C172 **Crew:** BW/EM **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	0.93	0.7	1.200	6
Wetted Width (m):	0.00	0	0	0
Wb Depth (m):	0.10	0.1	0.1	3

	Avg %	Min %	Max %	#
Gadient %:	3.75	3	4	4
Pool Depth (m):	0.10	0.100	0.100	6

Stage: L ☑ M ☐ H ☐ **Temp (C):** **pH:** **Cond.:** **Turb.:** ☐ T ☐ M ☐ L ☐ C

MORPHOLOGY

Bed Material: Dominant: F Subdom: NA

D95: 0.01 D (cm): 0.01

Pattern: SI Islands: N

Coupling: DC Confinement: OC

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	S	N	N	N	D	N
Loc: P/S/O:	☑☐☐	☑☐☐	☐☐☐	☐☐☐	☐☐☐	☑☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

3 41-70%

LWD: F **DIST:** E **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: S **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** D **STG:** MF

LB SHP: S **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** D **STG:** MF

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
3.0	103P.020	10301	3

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

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER **Project Code:** 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: **Local Name:** Darling Creek
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103P.020 **ILP #:** 10301 **NID Map #:** 103P.020 **NID #:** 60301 **Reach #:** 3.0 **Site #:** 3

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)
	9 554499 6106428

Site Lg: 150 **Method:** HC **Access:** V4
Ref. Name:

Date: 2000/07/24 **Time:** 14:30 **Agency:** C172 **Crew:** BW/EM **Fish Crd?:** ☐ **Incomplete:** ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	1.20	1.10	1.10	0.70	0.70	0.80					0.93
Wetted Width (m):												0.00
Pool Depth (m):	MS	0.10	0.10	0.10	0.10	0.10	0.10					0.10

	Gadient %		Mtd	Avg
Method I:	3.0	4.0	AL	3.75
Method II:	4.0	4.0	AL	

Wb Depth:	.1	.1	.1

Avg: 0.10 **Method:** MS **Stage:** L ☑ M ☐ H ☐

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

COVER Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	S	N	N	N	D	N
Loc: P/S/O:	☑☐☐	☑☐☐	☐☐☐	☐☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
3 41-70%

INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: F **DIST:** E

LB SHP: S
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: D
STG: MF

RB SHP: S
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: D
STG: MF

WATER

EMS: **Req #:**
Temp: Method: T3 **Cond.:** Method: S4
pH: Method: P2 **Turb.:** ☐ T ☐ M ☐ L ☐ C Method: GE
Flood Signs: NONE Method: GE

MORPHOLOGY

Bed Material: Dominant: F Subdom: NA
D95: 0.01 D (cm): 0.01 Morph: RP

Pattern: SI
Islands: N
Coupling: DC
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
Rearing Habitat	Potential rearing values are limited due to a lack of pools or stable waterflows
OverWinter Habitat	No overwintering habitat available
Spawning Habitat	No spawning habitat available

COMMENTS

Section	Comments
SITE CARD	Camera was broken-no photos taken
CHANNEL	Barrier to fish located at stream mouth. No fish habitat present upstream.
CHANNEL	S6* Stream (Inferred) No fish sampling conducted.

Stream Reach/Site Summary Report

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.020	10628

STREAM REFERENCING

Gazetted Name: Local Name: None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 ILP Map #: 103P.020 ILP #: 10628

REACH

Reach #: 1.0 UTM(Zone/East/North): 9.554024.6106705 Sample Type: R

Length (km): .50 Gradient (%): 11.4 US Elev (m): 389 Order: 1 Magnitude: 1

Confinement: FC Coupling: PC Open water: A BGC Zone: ICH

Islands: N Bars: ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR Riparian Veg.: M Landuse: FR

SITE

Site #: 4 GIS UTM(Zone/East/North) Date: 2000/07/24 Agency: C172 Crew: BW/EM

Site Lg (m): 100 9 554224 6106682 Ref. Name:

CHANNEL

No Vis.Ch.: ☑ Intermittent: ☐

Dw: ☐ Tribs.: ☐

	Avg	Min	Max	#
Channel Width (m):	0.00	0	0	0
Wetted Width (m):	0.00	0	0	0
Wb Depth (m):	0.00	0	0	0

	Avg %	Min %	Max %	#
Gadient %:	0.00	0	0	0
Pool Depth (m):	0.00	0	0	0

Stage: L☐ M☐ H☐ Temp (C): pH: Cond.: Turb.: ☐ T ☐ M ☐ L ☐ C

MORPHOLOGY

Bed Material: Dominant: Subdom: Bars: ☐ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR

D95: D (cm):

Pattern: Islands:

Coupling: Confinement:

Morph:

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

LWD: DIST: INSTREAM VEG: N ☐ A ☐ M ☐ V ☐

RB SHP: Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A RIP: STG:

LB SHP: Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A RIP: STG:

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.020	10628	4

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER **Project Code:** 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: **Local Name:** None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103P.020 **ILP #:** 10628 **NID Map #:** 103P.020 **NID #:** 60005 **Reach #:** 1.0 **Site #:** 4

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: V4
	9 554224 6106682	Ref. Name:		

Date: 2000/07/24 **Time:** 15:40 **Agency:** C172 **Crew:** BW/EM **Fish Crd?:** ☐ **Incomplete:** ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):												0.00
Wetted Width (m):												0.00
Pool Depth (m):												0.00

	Gadient %		Mtd	Avg
Method I:				0.00
Method II:				

Wb Depth: **Avg:** 0.00 **Method:** **Stage:** L☐ M☐ H☐ **No Vis.Ch.:** ☑ **Intermittent:** ☐ **Dw:** ☐ **Tribs.:** ☐

COVER Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐

CROWN CLOSURE

INSTREAM VEG: N ☐ A ☐ M ☐ V ☐

LWD: **DIST:**

LB SHP:
Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP:
STG:

RB SHP:
Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP:
STG:

WATER

EMS: **Req #:**
Temp: Method: **Cond.:** Method:
pH: Method: **Turb.:** ☐ T ☐ M ☐ L ☐ C Method:
Flood Signs: Method:

MORPHOLOGY

Bed Material: Dominant: Subdom:
D95: D (cm): Morph:
Pattern:
Islands:
Coupling:
Confinement:
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
Other	No visible channel-not a stream, no evidence of surface scour or alluvial substrates, no potential fish habitat

COMMENTS

Section	Comments
SITE CARD	No photos taken camera broken
CHANNEL	NVC

Stream Reach/Site Summary Report

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.010	10303

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** 103P.010 **ILP #:** 10303

REACH

Reach #: 1.0 **UTM(Zone/East/North):** 9.555212.6105588 **Sample Type:** R

Length (km): .60 **Gradient (%):** 0.67 **US Elev (m):** 170 **Order:** 1 **Magnitude:** 1

Confinement: UN **Coupling:** DC **Open water:** P **BGC Zone:** ICH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** D **Landuse:** FR

SITE

Site #: 5 **Site Lg (m):** 300

GIS UTM(Zone/East/North)		
9	555038	6105588

Date: 2000/07/25 **Agency:** C172 **Crew:** BW/EM **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	23.33	15	30	6
Wetted Width (m):	23.33	15	30	6
Wb Depth (m):	1.00	1	1	3

	Avg %	Min %	Max %	#
Gadient %:	0.00	0	0	4
Pool Depth (m):	2.33	1	3	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 18 **pH:** 7.1 **Cond.:** 160 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: G Subdom: F

D95: 10.00 D (cm): 0.01

Pattern: ST Islands: N

Coupling: DC Confinement: UN

Morph: LC

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	N	N	D	T	S
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☑☐☐	☑☐☐	☑☐☐

FSZ: ☑

CROWN CLOSURE

1 1-20%

LWD: N **DIST:** NA **INSTREAM VEG:** N ☐ A ☐ M ☑ V ☑

RB SHP: S **Texture:** ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A **RIP:** D **STG:** YF

LB SHP: S **Texture:** ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A **RIP:** D **STG:** YF

FISH

Site Number	Capture Method	Number of Events	Total Length (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
5	EF	1	70	150 sec	300	NFC	0		
5	MT	2		920 min		NFC	0		
5	MT	2		920 min		CO	4	55	90

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.010	10303	5

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER **Project Code:** 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: **Local Name:** None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103P.010 **ILP #:** 10303 **NID Map #:** 103P.010 **NID #:** 60502 **Reach #:** 1.0 **Site #:** 5

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)
	9 555038 6105588

Site Lg: 300 **Method:** HC **Access:** V4
Ref. Name:
Date: 2000/07/25 **Time:** 11:20 **Agency:** C172 **Crew:** BW/EM **Fish Crd?:** ☑ **Incomplete:** ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	GE	25.00	30.00	20.00	25.00	25.00	15.00					23.33
Wetted Width (m):	GE	25.00	30.00	20.00	25.00	25.00	15.00					23.33
Pool Depth (m):	GE	3.00	3.00	3.00	2.00	2.00	1.00					2.33

	Gadient %		Mtd	Avg
Method I:	0.0	0.0	AL	0.00
Method II:	0.0	0.0	AL	

Wb Depth:	1.0	1.0	1.0

Avg: 1.00 **Method:** GE **Stage:** L☐ M☑ H☐
No Vis.Ch.: ☐ **Intermittent:** ☐
Dw: ☐ **Tribs.:** ☐

COVER Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	N	N	D	T	S
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☑☐☐	☑☐☐	☑☐☐

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: D
STG: YF

RB SHP: S
Texture: ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A
RIP: D
STG: YF

WATER

EMS: **Req #:**
Temp: 18 Method: T3 **Cond.:** 160 Method: S4
pH: 7.1 Method: P2 **Turb.:** ☐ T ☐ M ☐ L ☑ C Method: GE
Flood Signs: NONE Method: GE

MORPHOLOGY

Bed Material: Dominant: G Subdom: F
D95: 10.0 D (cm): 0.01 Morph: LC
Pattern: ST
Islands: N
Coupling: DC
Confinement: UN
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
Spawning Habitat	No spawning habitat
OverWinter Habitat	Good overwintering habitat
Rearing Habitat	High value rearing habitat-deep pools and good access from the Skeena River

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 2 F: 1	STD	U	Upstream photo of gravel piled in the channel from machinery
R: 2 F: 2	STD	D	Downstream photo showing the slough off of the Skeena mainstem

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.010	10303	5

Section	Comments
SITE CARD	Fish form 30467
CHANNEL	CO present
CHANNEL	Slough (Fisheries Sensitive Zone)

FDIS Fish Form

Watershed Code:	000-000000-00000-00000-0000-0000-000-000-000-000-000-000	Reach #	ILP Map #	ILP #
		1.0	103P.010	10303

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: 103P.010 ILP #: 10303 Reach #: 1 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/07/25 To: 2000/07/27 Agency: C172 Crew: BW/EM Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment
5	103P.010	60502					MT	1	18	160	C	
5	103P.010	60502					MT	2	18	160	C	
5	103P.010	60502					MT	3	18	160	C	
5	103P.010	60502					MT	4	18	160	C	
5	103P.010	60502					EF	1	18	160	C	

A. GEAR SETTINGS

Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
5	MT	1	1	2000/07/27	09:30	2000/07/27	17:10	
5	MT	2	1	2000/07/27	09:30	2000/07/27	17:10	
5	MT	3	1	2000/07/27	09:30	2000/07/27	17:10	
5	MT	4	1	2000/07/27	09:30	2000/07/27	17:10	
5	EF	1	1	2000/07/25	09:30	2000/07/25	09:50	

B. NET/TRAP SPECIFICATIONS

Site #	MTD/NO.		H/P	Net Type	Length	Depth	Mesh	Set	Habitat
5	MT	1	1			1.0		BT	L
5	MT	2	1			1.5		BT	L
5	MT	3	1			1.0		BT	L
5	MT	4	1			1.0		BT	L

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
5	EF	1	1	O	150	70.0	20.0	300	60	6	SMITH ROOT	12B

FISH SUMMARY

Site#	MTD/NO		H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment
5	MT	4	1	NFC			0				
5	MT	3	1	NFC			0				
5	MT	2	1	CO	J		1	90	90	R	
5	MT	1	1	CO	J		3	55	90	R	
5	EF	1	1	NFC			0				

INDIVIDUAL FISH DATA

Site#	MTD/NO		H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment
									Str/Smpl#/Age				Str/Smpl#				
5	MT	1	1	CO	55		U	U									
5	MT	1	1	CO	60		U	U									
5	MT	1	1	CO	90		U	U									
5	MT	2	1	CO	90		U	U									

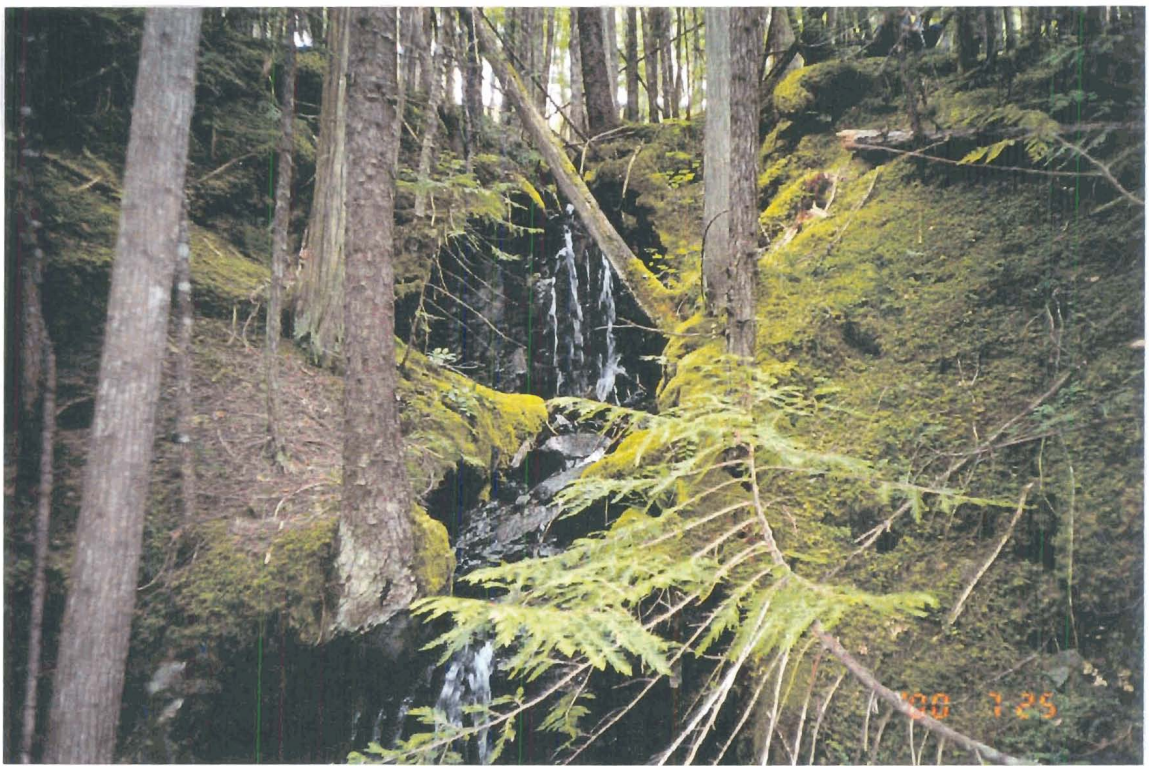
Site #5, Downstream photo showing the slough off of the Skeena mainstem
Roll #2, Frame #2, Date: 2000/07/25

Site #5, Upstream photo of gravel piled in the channel from machinery
Roll #2, Frame #1, Date: 2000/07/25

Site #6, Upstream photo of a narrow channel
Roll #2, Frame #3, Date: 2000/07/25

Site #6, Upstream photo of a 12 m falls
Roll #2, Frame #6, Date: 2000/07/25

Site #6, Downstream photo showing sections of underground flow
Roll #2, Frame #4, Date: 2000/07/25



Site #6, Upstream photo of a 12 m falls
Roll #2, Frame #5, Date: 2000/07/25

Stream Reach/Site Summary Report

Reach #	ILP Map #	ILP #
1.0	103I.098	10810

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

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** 103I.098 **ILP #:** 10810

REACH

Reach #: 1.0 **UTM(Zone/East/North):** 9.536727.6090513 **Sample Type:** R

Length (km): 1.61 **Gradient (%):** 0 **US Elev (m):** 417 **Order:** 1 **Magnitude:** 1

Confinement: CO **Coupling:** CO **Open water:** A **BGC Zone:** ICH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** C **Landuse:** FR

SITE

Site #: 6 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	537861	6090724

Date: 2000/07/25 **Agency:** C172 **Crew:** BW/EM **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	0.77	0.5	1	6
Wetted Width (m):	0.77	0.5	1	6
Wb Depth (m):	0.43	0.4	0.5	3

	Avg %	Min %	Max %	#
Gadient %:	19.50	15	30	4
Pool Depth (m):	0.08	0.050	0.100	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 9 **pH:** 7.2 **Cond.:** 90 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: G Subdom: C

D95: 30.00 D (cm): 5.00

Pattern: SI Islands: N

Coupling: PC Confinement: FC

Morph: CP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: A **FSZ:** ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	S	T	D	N	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE 3 41-70%

LWD: F **DIST:** E **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: O **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** YF

LB SHP: O **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** YF

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)
103I.098	71099	F	12.0	GE	0	GE	R: 2 F: 6	L: #:	9 538150 6090680 GIS

Comments: Roll 2 Frame 7 as well

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
6	*EF*	1	70	150 sec	300	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103I.098	10810	6

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103I.098 ILP #: 10810 NID Map #: 103I.098 NID #: 23099 Reach #: 1.0 Site #: 6

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)
	9 537861 6090724

Site Lg: 100 Method: HC Access: V4
Ref. Name:
Date: 2000/07/25 Time: 13:35 Agency: C172 Crew: BW/EM Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	0.80	0.70	0.70	0.90	1.00	0.50					0.77
Wetted Width (m):	T	0.80	0.70	0.70	0.90	1.00	0.50					0.77
Pool Depth (m):	MS	0.10	0.05	0.10	0.10	0.05	0.05					0.08

	Gadient %		Mtd	Avg
Method I:	15.0	30.0	AL	19.50
Method II:	17.0	16.0	AL	

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	S	T	D	N	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
3 41-70%
INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: F DIST: E

LB SHP: O
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: C
STG: YF

RB SHP: O
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: C
STG: YF

WATER

EMS:
Temp: 9 Method: T3
pH: 7.2 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 90 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: G Subdom: C
D95: 30.0 D (cm): 5.00 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 (Zone/East/North/Method)			
103I.098	71099	F	12.0	GE	0	GE	R:	2	F:	6	L:		#:		9	538150	6090680	GIS

Comments: Roll 2 Frame 7 as well

HABITAT QUALITY

Name	Comments
Other	No fisheries values available. No perennial habitat available for overwintering. No access througout reach. Pool depth is 0.10 m at most

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	2	F:	3	STD	U	Upstream photo of a narrow channel

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103I.098	10810	6

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	2	F:	4	STD	D	Downstream photo showing sections of underground flow
R:	2	F:	5	STD	U	Upstream photo of a 12 m falls
R:	2	F:	6	STD	U	Upstream photo of a 12 m falls

COMMENTS

Section	Comments
SITE CARD	Fish form 30468
CHANNEL	No fish present upstream of the 12 m falls
CHANNEL	S6 Stream

FDIS Fish Form

Watershed Code:	000-000000-00000-00000-0000-0000-000-000-000-000-000-000	Reach #	ILP Map #	ILP #
		1.0	103I.098	10810

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: 103I.098 ILP #: 10810 Reach #: 1 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/07/25 To: 2000/07/25 Agency: C172 Crew: BW/EM Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
6	103I.098	23099		EF 1	8.5	90	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
6	EF 1	1	2000/07/25	13:35	2000/07/25	13:50	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
6	EF 1	1	O	150	70.0	0.7	300	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Stream Reach/Site Summary Report

	Reach #	ILP Map #	ILP #
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103I.099	10893

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** 103I.099 **ILP #:** 10893

REACH

Reach #: 1.0 **UTM(Zone/East/North):** 9.540425.6094575 **Sample Type:** R

Length (km): .95 **Gradient (%):** 10.21 **US Elev (m):** 260 **Order:** 1 **Magnitude:** 1

Confinement: OC **Coupling:** PC **Open water:** A **BGC Zone:** ICH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** FR

SITE

Site #: 7 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	540944	6094061

Date: 2000/07/25 **Agency:** C172 **Crew:** BW/EM **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	0.00	0	0	0
Wetted Width (m):	0.00	0	0	0
Wb Depth (m):	0.00	0	0	0

	Avg %	Min %	Max %	#
Gadient %:	0.00	0	0	0
Pool Depth (m):	0.00	0	0	0

Stage: L ☐ M ☐ H ☐ **Temp (C):** **pH:** **Cond.:** **Turb.:** ☐ T ☐ M ☐ L ☐ C

MORPHOLOGY

Bed Material: Dominant: Subdom:

D95: D (cm):

Pattern: Islands:

Coupling: Confinement:

Morph:

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

LWD: **DIST:** **INSTREAM VEG:** N ☐ A ☐ M ☐ V ☐

RB SHP: **Texture:** ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** **STG:**

LB SHP: **Texture:** ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** **STG:**

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103I.099	10893	7

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER **Project Code:** 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: **Local Name:** None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103I.099 **ILP #:** 10893 **NID Map #:** 103I.099 **NID #:** 23061 **Reach #:** 1.0 **Site #:** 7

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: V4
	9 540944 6094061	Ref. Name:		

Date: 2000/07/25 **Time:** 16:10 **Agency:** C172 **Crew:** BW/EM **Fish Crd?:** ☐ **Incomplete:** ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):												0.00
Wetted Width (m):												0.00
Pool Depth (m):												0.00

	Gadient %		Mtd	Avg
Method I:				0.00
Method II:				

Wb Depth: **Avg:** 0.00 **Method:** **Stage:** L☐ M☐ H☐

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

COVER Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐

CROWN CLOSURE

INSTREAM VEG: N ☐ A ☐ M ☐ V ☐

LWD: **DIST:**

LB SHP:
Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP:
STG:

RB SHP:
Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP:
STG:

WATER

EMS: **Req #:**
Temp: **Method:** **Cond.:** **Method:**
pH: **Method:** **Turb.:** ☐ T ☐ M ☐ L ☐ C **Method:**
Flood Signs: **Method:**

MORPHOLOGY

Bed Material: **Dominant:** **Subdom:**
D95: **D (cm):** **Morph:**
Pattern:
Islands:
Coupling:
Confinement:
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
Other	No visible channel-not a stream. No evidence of surface scour or alluvial substrates. No potential fish habitat

COMMENTS

Section	Comments
SITE CARD	No photos taken
CHANNEL	NVC

Stream Reach/Site Summary Report

	Reach #	ILP Map #	ILP #
Watershed Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000	1.0		

STREAM REFERENCING

Gazetted Name: INSECT CREEK **Local Name:** Insect Creek

Watershed Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 1.0 **UTM(Zone/East/North):** 9.541287.6093665 **Sample Type:** R

Length (km): .24 **Gradient (%):** 7.5 **US Elev (m):** 163 **Order:** 5 **Magnitude:** 333

Confinement: UN **Coupling:** DC **Open water:** A **BGC Zone:** ICH

Islands: N **Bars:** ☐ N ☑ SIDE ☐ DIAG ☑ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 8 **Site Lg (m):** 150

GIS UTM(Zone/East/North)		
9	541355	6093648

Date: 2000/07/25 **Agency:** C172 **Crew:** BW/EM **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	45.00	20	80	6
Wetted Width (m):	15.33	12	20	6
Wb Depth (m):	2.33	2	3	3

	Avg %	Min %	Max %	#
Gadient %:	0.75	0	1	4
Pool Depth (m):	1.33	1	2	6

Stage: L ☑ M ☐ H ☐ **Temp (C):** 11 **pH:** 7.2 **Cond.:** 20 **Turb.:** ☐ T ☐ M ☑ L ☐ C

MORPHOLOGY

Bed Material: Dominant: C Subdom: B

D95: 100.00 D (cm): 100.00

Pattern: IR Islands: O

Coupling: CO Confinement: FC

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: A

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	T	D	N	S	N	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE 0 0%

LWD: F **DIST:** C **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: V **Texture:** ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A **RIP:** M **STG:** YF

LB SHP: V **Texture:** ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A **RIP:** M **STG:** YF

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
8	*EF*	1	80	420 sec	300	CO	4	38	44
8	*EF*	1	80	420 sec	300	CH	5	32	48

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
1.0			8

Watershed Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER **Project Code:** 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: INSECT CREEK **Local Name:** Insect Creek
Watershed Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: **ILP #:** **NID Map #:** 103I.099 **NID #:** 61058 **Reach #:** 1.0 **Site #:** 8

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)
	9 541355 6093648

Site Lg: 150 **Method:** HC **Access:** V4
Ref. Name:

Date: 2000/07/25 **Time:** 17:00 **Agency:** C172 **Crew:** BW/EM **Fish Crd?:** ☑ **Incomplete:** ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	GE	80.00	70.00	30.00	20.00	50.00	20.00					45.00
Wetted Width (m):	GE	15.00	12.00	15.00	15.00	20.00	15.00					15.33
Pool Depth (m):	GE	1.00	1.00	2.00	1.50	1.50	1.00					1.33

	Gadient %		Mtd	Avg
Method I:	0.0	1.0	AL	0.75
Method II:	1.0	1.0	AL	

Wb Depth:	3.0	2.0	2.0

Avg: 2.33 **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	T	D	N	S	N	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐

CROWN CLOSURE 0 0%

INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: F **DIST:** C

LB SHP: V
Texture: ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A
RIP: M
STG: YF

RB SHP: V
Texture: ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A
RIP: M
STG: YF

WATER

EMS:
Temp: 11 Method: T3
pH: 7.2 Method: P2
Flood Signs: DEBRIS JAMS Method: GE

Req #:
Cond.: 20 Method: S4
Turb.: ☐ T ☐ M ☑ L ☐ C Method: GE

MORPHOLOGY

Bed Material: Dominant: C Subdom: B
D95: 100.0 D (cm): 100.00 Morph: RP
Pattern: IR
Islands: O
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

HABITAT QUALITY

Name	Comments
Spawning Habitat	Fair spawning values are limited by high velocity riffles
Rearing Habitat	Fair salmonid rearing habitat

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	2	F:	7	STD	D	Downstream photo of a confined section of stream
R:	2	F:	8	STD	U	Upstream photo of a wide floodplain
R:	2	F:	9	STD	U	Upstream photo of clumped woody debris

COMMENTS

Section	Comments

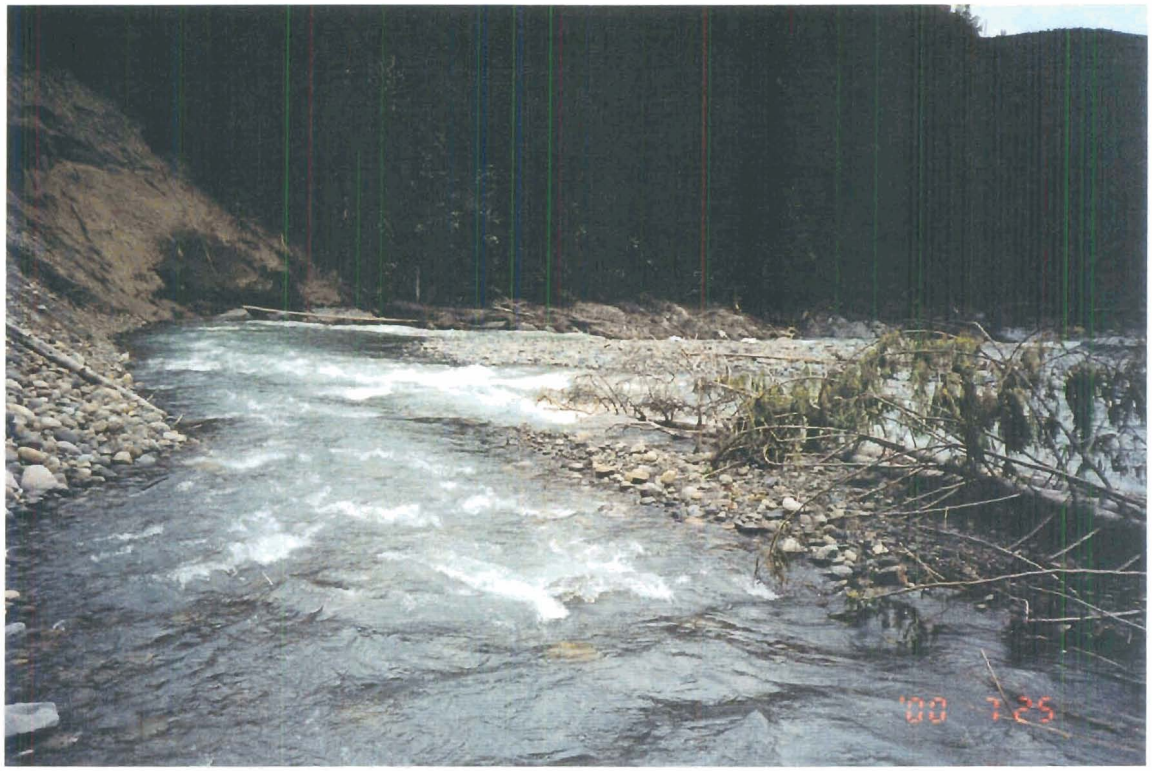
FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-324400-00000-00000-0000-0000-000-000-000-000-000-000	1.0			8

Section	Comments
SITE CARD	Fish form 30455
CHANNEL	CO, CH are present
CHANNEL	S1 Stream

Site #8, Upstream photo of a wide floodplain
Roll #2, Frame #8, Date: 2000/07/25

Site #8, Upstream photo of clumped woody debris
Roll #2, Frame #9, Date: 2000/07/25



Site #8, Downstream photo of a confined section of stream
Roll #2, Frame #7, Date: 2000/07/25

Stream Reach/Site Summary Report

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.009	10236

STREAM REFERENCING

Gazetted Name: Local Name: None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 ILP Map #: 103P.009 ILP #: 10236

REACH

Reach #: 1.0 UTM(Zone/East/North): 9.541838.6096980 Sample Type: B

Length (km): .88 Gradient (%): 18.41 US Elev (m): 308 Order: 2 Magnitude: 2

Confinement: CO Coupling: CO Open water: A BGC Zone: ICH

Islands: N Bars: ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR Riparian Veg.: M Landuse: FR

SITE

Site #: 9 GIS UTM(Zone/East/North): 9 542173 6096902 Date: 2000/07/25 Agency: C172 Crew: BW/EM

Site Lg (m): 100 Ref. Name:

CHANNEL

No Vis.Ch.: ☑ Intermittent: ☐

Dw: ☐ Tribs.: ☐

	Avg	Min	Max	#
Channel Width (m):	0.00	0	0	0
Wetted Width (m):	0.00	0	0	0
Wb Depth (m):	0.00	0	0	0

	Avg %	Min %	Max %	#
Gadient %:	0.00	0	0	0
Pool Depth (m):	0.00	0	0	0

Stage: L☐ M☐ H☐ Temp (C): pH: Cond.: Turb.: ☐ T ☐ M ☐ L ☐ C

MORPHOLOGY

Bed Material: Dominant: Subdom: Bars: ☐ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR

D95: D (cm):

Pattern: Islands:

Coupling: Confinement:

Morph:

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

LWD: DIST: INSTREAM VEG: N ☐ A ☐ M ☐ V ☐

RB SHP: Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A RIP: STG:

LB SHP: Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A RIP: STG:

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.009	10236	9

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: Local Name: None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103P.009 ILP #: 10236 NID Map #: 103P.009 NID #: 60506 Reach #: 1.0 Site #: 9

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: V4
	9 542173 6096902	Ref. Name:		

Date: 2000/07/25 Time: 18:20 Agency: C172 Crew: BW/EM Fish Crd?: ☐ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):												0.00
Wetted Width (m):												0.00
Pool Depth (m):												0.00

	Gadient %		Mtd	Avg
Method I:				0.00
Method II:				

Wb Depth: Avg: 0.00 Method: Stage: L☐ M☐ H☐
No Vis.Ch.: ☑ Intermittent: ☐
Dw: ☐ Tribs.: ☐

COVER Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐

CROWN CLOSURE

INSTREAM VEG: N ☐ A ☐ M ☐ V ☐

LWD: DIST:

LB SHP:
Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP:
STG:

RB SHP:
Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP:
STG:

WATER

EMS: Req #:
Temp: Method: Cond.: Method:
pH: Method: Turb.: ☐ T ☐ M ☐ L ☐ C Method:
Flood Signs: Method:

MORPHOLOGY

Bed Material: Dominant: Subdom:
D95: D (cm): Morph:
Pattern:
Islands:
Coupling:
Confinement:
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
Other	No visible channel. Not a stream. No potential fish habitat

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 2 F: 10	STD	U	Photo of an area with no visible channel.

COMMENTS

Section	Comments
SITE CARD	No photos taken
CHANNEL	NVC

Site #9, Photo of an area with no visible channel.
Roll #2, Frame #10, Date: 2000/07/25

Stream Reach/Site Summary Report

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.009	10244

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** 103P.009 **ILP #:** 10244

REACH

Reach #: 1.0 **UTM(Zone/East/North):** 9.543775.6098451 **Sample Type:** B

Length (km): .76 **Gradient (%):** 6.18 **US Elev (m):** 197 **Order:** 2 **Magnitude:** 3

Confinement: FC **Coupling:** DC **Open water:** A **BGC Zone:** ICH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** AG

SITE

Site #: 10 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	544043	6098174

Date: 2000/07/25 **Agency:** C172 **Crew:** BW/EM **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	0.00	0	0	0
Wetted Width (m):	0.00	0	0	0
Wb Depth (m):	0.00	0	0	0

	Avg %	Min %	Max %	#
Gadient %:	0.00	0	0	0
Pool Depth (m):	0.00	0	0	0

Stage: L ☐ M ☐ H ☐ **Temp (C):** **pH:** **Cond.:** **Turb.:** ☐ T ☐ M ☐ L ☐ C

MORPHOLOGY

Bed Material: Dominant: Subdom:

D95: D (cm):

Pattern: Islands:

Coupling: Confinement:

Morph:

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

LWD: **DIST:** **INSTREAM VEG:** N ☐ A ☐ M ☐ V ☐

RB SHP: **Texture:** ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** **STG:**

LB SHP: **Texture:** ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** **STG:**

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.009	10244	10

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103P.009 ILP #: 10244 NID Map #: 103P.009 NID #: 60531 Reach #: 1.0 Site #: 10

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)
	9 544043 6098174

Site Lg: 100 Method: HC Access: V4
Ref. Name:
Date: 2000/07/25 Time: 18:40 Agency: C172 Crew: BW/EM Fish Crd?: ☐ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):												0.00
Wetted Width (m):												0.00
Pool Depth (m):												0.00

	Gadient %		Mtd	Avg
Method I:				0.00
Method II:				

Wb Depth: Avg: 0.00 Method: Stage: L☐ M☐ H☐
No Vis.Ch.: ☑ Intermittent: ☐
Dw: ☐ Tribs.: ☐

COVER Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐

CROWN CLOSURE

INSTREAM VEG: N ☐ A ☐ M ☐ V ☐

LWD: DIST:

LB SHP:
Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP:
STG:

RB SHP:
Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP:
STG:

WATER

EMS: Req #:
Temp: Method: Cond.: Method:
pH: Method: Turb.: ☐ T ☐ M ☐ L ☐ C Method:
Flood Signs: Method:

MORPHOLOGY

Bed Material: Dominant: Subdom:
D95: D (cm): Morph:
Pattern:
Islands:
Coupling:
Confinement:
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
Other	No visible channel. Not a stream. No potential fish habitat

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	2	F:	11	STD	U	Photo of an area with no visible channel.

COMMENTS

Section	Comments
CHANNEL	NVC

Site #10, Photo of an area with no visible channel.
Roll #2, Frame #11, Date: 2000/07/25

Stream Reach/Site Summary Report

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	2.0	103P.009	10239

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** 103P.009 **ILP #:** 10239

REACH

Reach #: 2.0 **UTM(Zone/East/North):** 9.539928.6097758 **Sample Type:** R

Length (km): .82 **Gradient (%):** 10 **US Elev (m):** 567 **Order:** 2 **Magnitude:** 2

Confinement: FC **Coupling:** PC **Open water:** A **BGC Zone:** ICH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** FR

SITE

Site #: 11 **Site Lg (m):** 120

GIS UTM(Zone/East/North)		
9	540559	6097949

Date: 2000/07/26 **Agency:** C172 **Crew:** BW/EM **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	1.07	1	1.200	6
Wetted Width (m):	0.65	0.5	0.800	6
Wb Depth (m):	0.23	0.2	0.3	3

	Avg %	Min %	Max %	#
Gadient %:	4.75	4	6	4
Pool Depth (m):	0.13	0.100	0.200	6

Stage: L ☑ M ☐ H ☐ **Temp (C):** 11 **pH:** 7.2 **Cond.:** 80 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: C Subdom: G

D95: 25.00 D (cm): 8.00

Pattern: SI Islands: N

Coupling: CO Confinement: FC

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M **FSZ:** ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	D	T	T	N	S	T
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐

CROWN CLOSURE 2 21-40%

LWD: F **DIST:** E **INSTREAM VEG:** N ☐ A ☐ M ☑ V ☐

RB SHP: S **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** MF

LB SHP: S **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** MF

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
11	*EF*	1	110	278 sec	400	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	2.0	103P.009	10239	11

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER **Project Code:** 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: **Local Name:** None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103P.009 **ILP #:** 10239 **NID Map #:** 103P.009 **NID #:** 60522 **Reach #:** 2.0 **Site #:** 11

Field UTM(Zone/East/North/Method)				GIS UTM(Zone/East/North)		
				9	540559	6097949

Site Lg: 120 **Method:** HC **Access:** V4
Ref. Name:
Date: 2000/07/26 **Time:** 09:20 **Agency:** C172 **Crew:** BW/EM **Fish Crd?:** ☑ **Incomplete:** ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	MS	1.10	1.20	1.00	1.00	1.00	1.10					1.07
Wetted Width (m):	MS	0.70	0.60	0.60	0.50	0.80	0.70					0.65
Pool Depth (m):	MS	0.10	0.10	0.20	0.10	0.10	0.20					0.13

	Gadient %		Mtd	Avg
Method I:	6.0	4.0	AL	4.75
Method II:	4.0	5.0	AL	

Wb Depth:	.2	.2	.3

Avg: 0.23 **Method:** MS **Stage:** L☑ M☐ H☐
No Vis.Ch.: ☐ **Intermittent:** ☐
Dw: ☐ **Tribs.:** ☐

COVER Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	D	T	T	N	S	T
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐

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: C
STG: MF

RB SHP: S
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: C
STG: MF

WATER

EMS:
Temp: 11 Method: T3
pH: 7.2 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 80 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: C Subdom: G
D95: 25.0 D (cm): 8.00 Morph: RP
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

HABITAT QUALITY

Name	Comments
Spawning Habitat	Spawning gravels are present in limited quantities
OverWinter Habitat	No perennial habitat-no pools greater than 50 cm deep
Rearing Habitat	Low value salmonid habitat limited by discharge-access is difficult

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	2	F:	12	STD	U	Upstream photo of LWD cover
R:	2	F:	13	STD	D	Downstream photo showing how low discharge limits fish habitat

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	2.0	103P.009	10239	11

Section	Comments
SITE CARD	Fish form 30464
CHANNEL	Cascades downstream limit upstream fish migration. NFC above barrier
CHANNEL	S6 Stream

FDIS Fish Form

Watershed Code:	000-000000-00000-00000-0000-0000-000-000-000-000-000-000	Reach #	ILP Map #	ILP #
		2.0	103P.009	10239

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: 103P.009 ILP #: 10239 Reach #: 2 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/07/26 To: 2000/07/26 Agency: C172 Crew: BW/EM Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
11	103P.009	60522		EF 1	11	80	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
11	EF 1	1	2000/07/26	09:20	2000/07/26	09:45	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
11	EF 1	1	O	278	110.0	0.8	400	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	NFC			0			

Site #11, Upstream photo of LWD cover
Roll #2, Frame #12, Date: 2000/07/26

Site #11, Downstream photo showing how low discharge limits fish habitat
Roll #2, Frame #13, Date: 2000/07/26

Stream Reach/Site Summary Report

Reach # ILP Map # ILP #

Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000 4.0

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 4.0 **UTM(Zone/East/North):** 9.540748.6098509 **Sample Type:** B

Length (km): .94 **Gradient (%):** 12.34 **US Elev (m):** 513 **Order:** 1 **Magnitude:** 1

Confinement: CO **Coupling:** CO **Open water:** A **BGC Zone:** ICH

Islands: N **Bars:** ☑N ☐SIDE ☐DIAG ☐MID ☐SPAN ☐BR **Riparian Veg.:** M **Landuse:** FR

SITE

Site #: 12 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	541093	6098235

Date: 2000/07/26 **Agency:** C172 **Crew:** BW/EM **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	2.27	1.8	2.900	6
Wetted Width (m):	1.90	1.700	2.200	6
Wb Depth (m):	0.67	0.6	0.7	3

	Avg %	Min %	Max %	#
Gadient %:	7.50	7	8	4
Pool Depth (m):	0.38	0.300	0.5	6

Stage: L☑ M☐ H☐ **Temp (C):** 11 **pH:** 7.2 **Cond.:** 80 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: G Subdom: B

D95: 60.00 D (cm): 20.00

Pattern: SI Islands: N

Coupling: CO Confinement: CO

Morph: CP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M **FSZ:** ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	S	D	S	N	T	T
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐

CROWN CLOSURE 4 71-90%

LWD: F **DIST:** E **INSTREAM VEG:** N ☐ A ☐ M ☑ V ☐

RB SHP: S **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** YF

LB SHP: U **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** YF

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo				AirPhoto				UTM (Zone/East/North/Method)			
103P.009	70514	C	3.0	MS	2	MS	R:	2	F:	18	L:		#:		9	540866	6098426	GIS

Comments:

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
12	*EF*	1	150	282 sec	400	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-330700-00000-00000-0000-0000-000-000-000-000-000-000	4.0			12

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: None
Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103P.009 NID #: 60514 Reach #: 4.0 Site #: 12

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)
	9 541093 6098235

Site Lg: 100 Method: HC Access: V4
Ref. Name:
Date: 2000/07/26 Time: 10:05 Agency: C172 Crew: BW/EM Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	1.80	2.20	2.30	2.00	2.40	2.90					2.27
Wetted Width (m):	T	1.80	1.80	1.70	2.00	1.90	2.20					1.90
Pool Depth (m):	MS	0.40	0.30	0.30	0.40	0.50	0.40					0.38

	Gadient %		Mtd	Avg
Method I:	7.0	8.0	AL	7.50
Method II:	7.0	8.0	AL	

Wb Depth:	.6	.7	.7

Avg: 0.67 Method: MS Stage: L ☑ M ☐ H ☐
No Vis.Ch.: ☐ Intermittent: ☐
Dw: ☐ Tribs.: ☐

COVER Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	S	D	S	N	T	T
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐

CROWN CLOSURE
4 71-90%
INSTREAM VEG: N ☐ A ☐ M ☑ V ☐

LWD: F DIST: E

LB SHP: U
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: C
STG: YF

RB SHP: S
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: C
STG: YF

WATER

EMS:
Temp: 11 Method: T3
pH: 7.2 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 80 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: G Subdom: B
D95: 60.0 D (cm): 20.00 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

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo				AirPhoto				UTM (Zone/East/North/Method)			
103P.009	70514	C	3.0	MS	2	MS	R:	2	F:	18	L:		#:		9	540866	6098426	GIS

Comments:

HABITAT QUALITY

Name	Comments
OverWinter Habitat	Overwintering habitat is limited to small quantities
Spawning Habitat	Spawning habitat is limited to small quantities
Rearing Habitat	Moderate value rearing habitat for salmonids. Moderate cover limited by obstructed access

PHOTOS

Photo	Foc Lg	Dir	Comments

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
4.0			12

Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000

Photo				Foc Lg	Dir	Comments
R:	2	F:	14	STD	U	Upstream Photo of cascade/pool morphology
R:	2	F:	15	STD	D	Downstream photo of LWD cascades
R:	2	F:	18	STD	U	Upstream photo of a 3 m cascade

COMMENTS

Section	Comments
SITE CARD	Fish form 30457
CHANNEL	No fish present upstream of cascade. S3* downstream of cascade based on access.
CHANNEL	S6/S3* Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000 4.0

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 4 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/07/26 To: 2000/07/26 Agency: C172 Crew: BW/EM Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
12	103P.009	60514		EF 1	11	80	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
12	EF 1	1	2000/07/26	10:05	2000/07/26	10:45	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
12	EF 1	1	O	282	150.0	2.0	400	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #12, Upstream Photo of cascade/pool morphology
Roll #2, Frame #14, Date: 2000/07/26

Site #12, Downstream photo of LWD cascades
Roll #2, Frame #15, Date: 2000/07/26

Site #12, Upstream photo of a 3 m cascade
Roll #2, Frame #18, Date: 2000/07/26

Stream Reach/Site Summary Report

Reach #	ILP Map #	ILP #
3.0		

Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 3.0 **UTM(Zone/East/North):** 9.541479.6098038 **Sample Type:** B

Length (km): .29 **Gradient (%):** 10.69 **US Elev (m):** 397 **Order:** 2 **Magnitude:** 2

Confinement: CO **Coupling:** CO **Open water:** A **BGC Zone:** ICH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** FR

SITE

Site #: 13 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	541501	6097923

Date: 2000/07/26 **Agency:** C172 **Crew:** BW/EM **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	1.78	1.4	2.400	6
Wetted Width (m):	1.60	1.4	1.8	6
Wb Depth (m):	0.27	0.2	0.3	3

	Avg %	Min %	Max %	#
Gadient %:	7.75	6	10	4
Pool Depth (m):	0.28	0.100	0.600	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 11 **pH:** 7.1 **Cond.:** 80 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: *Dominant:* G *Subdom:* B *Bars:* ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR

D95: 60.00 D (cm): 20.00

Pattern: SI Islands: N

Coupling: CO Confinement: CO

Morph: CP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	S	T	D	N	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE 3 41-70%

LWD: F **DIST:** C **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: U **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** YF

LB SHP: U **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** YF

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
13	*EF*	1	500	620 sec	400	DV	5	65	117

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-330700-00000-00000-0000-0000-000-000-000-000-000-000	3.0			13

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER — Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: — Local Name: None
Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: — ILP #: — NID Map #: 103P.009 — NID #: 60513 — Reach #: 3.0 — Site #: 13

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: V4
	9 541501 6097923	Ref. Name:		

Date: 2000/07/26 Time: 12:30 — Agency: C172 — Crew: BW/EM — Fish Crd?: ☑ — Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	MS	1.40	1.60	1.40	1.80	2.40	2.10					1.78
Wetted Width (m):	MS	1.40	1.60	1.40	1.60	1.80	1.80					1.60
Pool Depth (m):	MS	0.20	0.10	0.10	0.20	0.50	0.60					0.28

	Gadient %		Mtd	Avg
Method I:	6.0	10.0	AL	7.75
Method II:	7.0	8.0	AL	

Wb Depth:	.3	.2	.3	Avg: 0.27	Method: MS	Stage: L☐ M☑ H☐

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

COVER — Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	S	T	D	N	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
3 41-70%
INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: F — DIST: C

LB SHP: U
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: C
STG: YF

RB SHP: U
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: C
STG: YF

WATER

EMS:
Temp: 11 — Method: T3
pH: 7.1 — Method: P2
Flood Signs: NONE — Method: GE

Req #:
Cond.: 80 — Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C — Method: GE

MORPHOLOGY

Bed Material: Dominant: G — Subdom: B
D95: 60.0 D (cm): 20.00 — 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	Limited overwintering habitat
Rearing Habitat	Moderate rearing values limited by obstructed access
Spawning Habitat	Moderate value spawning habitat. Spawning gravels are present

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 2 F: 19	STD	U	Upstream photo of undercut banks
R: 2 F: 20	STD	D	Downstream photo of moderate fish habitat

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	400-330700-00000-00000-0000-0000-000-000-000-000-000-000	Reach #	ILP Map #	ILP #	Site
		3.0			13

Section	Comments
SITE CARD	Fish form 30451
CHANNEL	DV Present
CHANNEL	S3 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000 3.0

WATERBODY

Gazetted Name: **Local:** None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: **ILP Map #:** **ILP #:** **Reach #:** 3 -

Project ID: 3476 **Lake/Stream:** S **Lake From Date:**

Fish Permit #: 25350K **Date:** 2000/07/26 **To:** 2000/07/26 **Agency:** C172 **Crew:** BW/EM **Resample:** ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
13	103P.009	60513		EF 1	11	80	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
13	EF 1	1	2000/07/26	12:30	2000/07/26	13:30	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
13	EF 1	1	O	620	500.0	1.4	400	60	6	SMITH ROOT	12B

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
13	EF 1	1	DV	J		5	65 117	R	May be adult yet parr marks were visible

INDIVIDUAL FISH DATA

Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age Str/Smpl#/Age	Vch#	Genetic Str/Smpl#	Roll #	Frame#	Comment
13	EF 1	1	DV	87		U	U						
13	EF 1	1	DV	65		U	U						
13	EF 1	1	DV	92		U	U						
13	EF 1	1	DV	117		U	U						
13	EF 1	1	DV	100		U	U						

COMMENTS

Section	Comments
WATERBODY	Shocking extended into lower reach 4

Site #13, Upstream photo of undercut banks
Roll #2, Frame #19, Date: 2000/07/26

Site #13, Downstream photo of moderate fish habitat
Roll #2, Frame #20, Date: 2000/07/26

Stream Reach/Site Summary Report

Reach # ILP Map # ILP #

Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000 5.0

STREAM REFERENCING

Gazetted Name: Local Name: None

Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000 ILP Map #: ILP #:

REACH

Reach #: 5.0 UTM(Zone/East/North): 9.539679.6098969 Sample Type: B

Length (km): 1.26 Gradient (%): 23.49 US Elev (m): 809 Order: 1 Magnitude: 1

Confinement: FC Coupling: PC Open water: A BGC Zone: ICH

Islands: N Bars: ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR Riparian Veg.: M Landuse: FR

SITE

Site #: 14 GIS UTM(Zone/East/North) Date: 2000/07/26 Agency: C172 Crew: BW/EM

Site Lg (m): 100 9 540664 6098653 Ref. Name:

CHANNEL

No Vis.Ch.: ☐ Intermittent: ☐

Dw: ☐ Tribs.: ☐

	Avg	Min	Max	#
Channel Width (m):	2.20	1.700	2.6	6
Wetted Width (m):	2.02	1.700	2.200	6
Wb Depth (m):	0.37	0.2	0.6	3

	Avg %	Min %	Max %	#
Gadient %:	13.75	12	16	4
Pool Depth (m):	0.17	0.100	0.300	6

Stage: L ☐ M ☑ H ☐ Temp (C): 11 pH: 7.2 Cond.: 80 Turb.: ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: B Subdom: C Bars: ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR

D95: 90.00 D (cm): 40.00

Pattern: SI Islands: N

Coupling: CO Confinement: FC

Morph: CP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	S	T	D	T	N	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

3 41-70%

LWD: F DIST: C INSTREAM VEG: N ☐ A ☐ M ☐ V ☐

RB SHP: V Texture: ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A RIP: C STG: YF

LB SHP: V Texture: ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A RIP: C STG: YF

FISH

Site Number	Capture Method	Number of Events	Total Length (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
14	EF	1	220	472 sec	400	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-330700-00000-00000-0000-0000-000-000-000-000-000-000	5.0			14

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: None
Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103P.009 NID #: 60515 Reach #: 5.0 Site #: 14

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: V4
	9 540664 6098653	Ref. Name:		

Date: 2000/07/26 Time: 14:00 Agency: C172 Crew: BW/EM Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	MS	2.20	2.00	1.70	2.60	2.60	2.10					2.20
Wetted Width (m):	MS	2.00	2.00	1.70	2.20	2.10	2.10					2.02
Pool Depth (m):	MS	0.20	0.30	0.20	0.10	0.10	0.10					0.17

	Gadient %		Mtd	Avg
Method I:	16.0	12.0	AL	13.75
Method II:	13.0	14.0	AL	

Wb Depth:	.3	.2	.6	Avg: 0.37	Method: MS	Stage: L☐ M☑ H☐

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

COVER Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	S	T	D	T	N	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
3 41-70%
INSTREAM VEG: N ☐ A ☐ M ☐ V ☐

LWD: F DIST: C

LB SHP: V
Texture: ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A
RIP: C
STG: YF

RB SHP: V
Texture: ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A
RIP: C
STG: YF

WATER

EMS:
Temp: 11 Method: T3
pH: 7.2 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 80 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: B Subdom: C
D95: 90.0 D (cm): 40.00 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

HABITAT QUALITY

Name	Comments
OverWinter Habitat	No overwintering habitat is available
Rearing Habitat	Low value salmonid rearing habitat limited by gradient
Spawning Habitat	Low value salmonid spawning habitat limited by cobble boulder substrates

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	2	F:	16	STD	U	Upstream photo of an increasing substrate size
R:	2	F:	17	STD	D	Downstream photo showing the limited cover within this reach

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-330700-00000-00000-0000-0000-000-000-000-000-000-000	5.0			14

Section	Comments
SITE CARD	Fish form 30463
CHANNEL	No fish present. Downstream barrier prevents upstream fish migration
CHANNEL	S6 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000 5.0

WATERBODY

Gazetted Name: **Local:** None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: **ILP Map #:** **ILP #:** **Reach #:** 5 -

Project ID: 3476 **Lake/Stream:** S **Lake From Date:**

Fish Permit #: 25350K **Date:** 2000/07/26 **To:** 2000/07/26 **Agency:** C172 **Crew:** BW/EM **Resample:** ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
14	103P.009	60515		EF 1	11	80	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
14	EF 1	1	2000/07/26	14:00	2000/07/26	14:30	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
14	EF 1	1	O	472	220.0	1.5	400	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #14, Upstream photo of an increasing substrate size
Roll #2, Frame #16, Date: 2000/07/26

Site #14, Downstream photo showing the limited cover within this reach
Roll #2, Frame #17, Date: 2000/07/26

Stream Reach/Site Summary Report

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.009	10239

STREAM REFERENCING

Gazetted Name: Local Name: None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 ILP Map #: 103P.009 ILP #: 10239

REACH

Reach #: 1.0 UTM(Zone/East/North): 9.540674.6097996 Sample Type: B

Length (km): .99 Gradient (%): 13.13 US Elev (m): 485 Order: 2 Magnitude: 3

Confinement: CO Coupling: CO Open water: A BGC Zone: ICH

Islands: N Bars: ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR Riparian Veg.: M Landuse: FR

SITE

Site #: 15 GIS UTM(Zone/East/North): 9 541199 6097880 Date: 2000/07/26 Agency: C172 Crew: BW/EM

Site Lg (m): 100 Ref. Name:

CHANNEL

No Vis.Ch.: ☐ Intermittent: ☐

Dw: ☐ Tribs.: ☐

	Avg	Min	Max	#
Channel Width (m):	1.60	0.9	1.9	6
Wetted Width (m):	1.13	0.9	1.600	6
Wb Depth (m):	0.50	0.3	0.8	3

	Avg %	Min %	Max %	#
Gadient %:	8.00	7	9	4
Pool Depth (m):	0.19	0.12	0.280	6

Stage: L ☐ M ☑ H ☐ Temp (C): 11 pH: 7.2 Cond.: 80 Turb.: ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: C Subdom: B Bars: ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR

D95: 55.00 D (cm): 20.00

Pattern: SI Islands: N

Coupling: CO Confinement: CO

Morph: CP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	S	D	S	N	T	T
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐

FSZ: ☐

CROWN CLOSURE 4 71-90%

LWD: F DIST: C INSTREAM VEG: N ☐ A ☐ M ☑ V ☐

RB SHP: V Texture: ☐ F ☐ G ☐ C ☑ B ☐ R ☐ A RIP: C STG: YF

LB SHP: U Texture: ☐ F ☐ G ☐ C ☑ B ☐ R ☐ A RIP: C STG: YF

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo				AirPhoto				UTM (Zone/East/North/Method)			
103P.009	70521	C	8.0	GE	20	GE	R:	2	F:	23	L:		#:		9	541479	6097769	GIS

Comments:

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
15	*EF*	1	400	320 sec	400	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.009	10239	15

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER **Project Code:** 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: **Local Name:** None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103P.009 **ILP #:** 10239 **NID Map #:** 103P.009 **NID #:** 60521 **Reach #:** 1.0 **Site #:** 15

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: V4
	9 541199 6097880	Ref. Name:		

Date: 2000/07/26 **Time:** 15:20 **Agency:** C172 **Crew:** BW/EM **Fish Crd?:** ☑ **Incomplete:** ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	MS	1.60	1.70	1.70	0.90	1.80	1.90					1.60
Wetted Width (m):	MS	1.60	1.00	1.00	0.90	1.10	1.20					1.13
Pool Depth (m):	MS	0.15	0.22	0.15	0.12	0.21	0.28					0.19

	Gadient %		Mtd	Avg
Method I:	7.0	9.0	AL	8.00
Method II:	8.0	8.0	AL	

Wb Depth:	.3	.4	.8	Avg: 0.50	Method: MS	Stage: L ☐ M ☑ H ☐

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

COVER Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	S	D	S	N	T	T
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐

CROWN CLOSURE 4 71-90%

INSTREAM VEG: N ☐ A ☐ M ☑ V ☐

LWD: F **DIST:** C

LB SHP: U
Texture: ☐ F ☐ G ☐ C ☑ B ☐ R ☐ A
RIP: C
STG: YF

RB SHP: V
Texture: ☐ F ☐ G ☐ C ☑ B ☐ R ☐ A
RIP: C
STG: YF

WATER

EMS:
Temp: 11 **Method:** T3
pH: 7.2 **Method:** P2
Flood Signs: NONE **Method:** GE

Req #:
Cond.: 80 **Method:** S4
Turb.: ☐ T ☐ M ☐ L ☑ C **Method:** GE

MORPHOLOGY

Bed Material: **Dominant:** C **Subdom:** B
D95: 55.0 **D (cm):** 20.00 **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

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)
103P.009	70521	C	8.0	GE	20	GE	R: 2 F: 23	L: #:	9 541479 6097769 GIS

Comments:

HABITAT QUALITY

Name	Comments
OverWinter Habitat	No overwintering habitat is available
Rearing Habitat	Rearing values are low due to numerous obstructions throughout site and limited cover
Spawning Habitat	Low value salmonid spawning habitat limited by large substrates

PHOTOS

Photo	Foc Lg	Dir	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.009	10239	15

Photo				Foc Lg	Dir	Comments
R:	2	F:	21	STD	U	Upstream photo showing abundant boulder substrates
R:	2	F:	22	STD	D	Downstream photo showing the poor fish habitat within this reach
R:	2	F:	23	STD	U	Upstream photo of an 8 m cascade. Barrier to upstream fish migration

COMMENTS

Section	Comments
SITE CARD	Fish form 30454
CHANNEL	No fish present upstream of the cascade. The cascade prevents upstream fish migration
CHANNEL	S6 Stream

FDIS Fish Form

		Reach #	ILP Map #	ILP #
Watershed Code:	000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.009	10239

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: 103P.009 ILP #: 10239 Reach #: 1 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/07/26 To: 2000/07/26 Agency: C172 Crew: BW/EM Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment
15	103P.009	60521					EF	1	11	80	C	

A. GEAR SETTINGS

Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
15	EF	1	1	2000/07/26	15:20	2000/07/26	16:00	

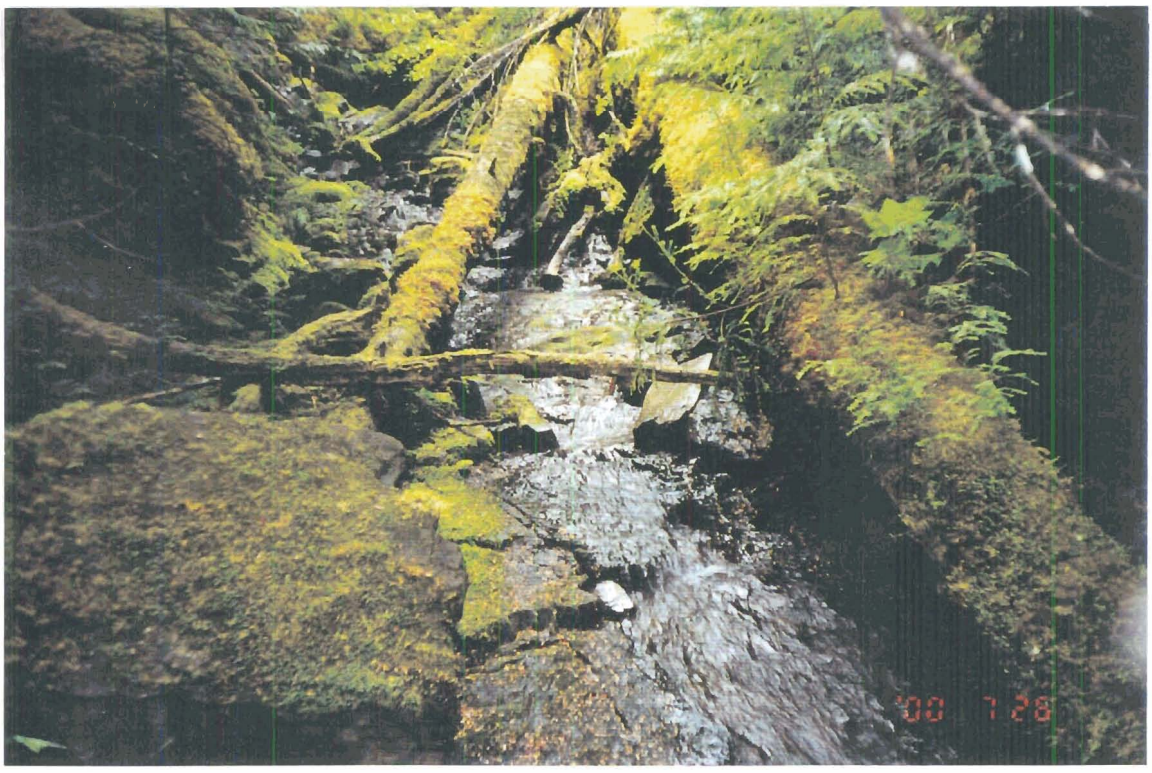
C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
15	EF	1	1	O	320	400.0	1.0	400	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #15, Upstream photo showing abundant boulder substrates
Roll #2, Frame #21, Date: 2000/07/26



Site #15, Upstream photo of an 8 m cascade. Barrier to upstream fish migration
Roll #2, Frame #23, Date: 2000/07/26

Site #15, Downstream photo showing the poor fish habitat within this reach
Roll #2, Frame #22, Date: 2000/07/26

Stream Reach/Site Summary Report

Reach #	ILP Map #	ILP #
1.0	103P.009	10242

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

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** 103P.009 **ILP #:** 10242

REACH

Reach #: 1.0 **UTM(Zone/East/North):** 9.541156.6099303 **Sample Type:** B

Length (km): 1.49 **Gradient (%):** 11.28 **US Elev (m):** 559 **Order:** 1 **Magnitude:** 1

Confinement: CO **Coupling:** PC **Open water:** A **BGC Zone:** ICH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** FR

SITE

Site #: 16 **Site Lg (m):** 120

GIS UTM(Zone/East/North)		
9	541516	6098214

Date: 2000/07/26 **Agency:** C172 **Crew:** BW/EM

Ref. Name:

CHANNEL

No Vis.Ch.: ☐ **Intermittent:** ☐

Dw: ☐ **Tribs.:** ☐

	Avg	Min	Max	#
Channel Width (m):	1.00	0.800	1.200	6
Wetted Width (m):	0.65	0.400	0.9	6
Wb Depth (m):	0.20	0.1	0.3	3

	Avg %	Min %	Max %	#
Gadient %:	11.00	12	13	4
Pool Depth (m):	0.15	0.070	0.21	6

Stage: L ☑ M ☐ H ☐ **Temp (C):** 10 **pH:** 7.3 **Cond.:** 60 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: C Subdom: G **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR

D95: 22.00 D (cm): 5.00

Pattern: SI Islands: N

Coupling: PC Confinement: FC

Morph: CP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	D	T	N	T	N	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

3 41-70%

LWD: F **DIST:** E **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: V **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** YF

LB SHP: V **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** YF

FISH

Site Number	Capture Method	Number of Events	Total Length (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
16	EF	1	120	234 sec	400	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.009	10242	16

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: Local Name: None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103P.009 ILP #: 10242 NID Map #: 103P.009 NID #: 60528 Reach #: 1.0 Site #: 16

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)
	9 541516 6098214

Site Lg: 120 Method: HC Access: V4
Ref. Name:
Date: 2000/07/26 Time: 16:40 Agency: C172 Crew: BW/EM Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	MS	0.90	1.10	1.20	1.00	0.80	1.00					1.00
Wetted Width (m):	MS	0.40	0.90	0.90	0.60	0.50	0.60					0.65
Pool Depth (m):	MS	0.21	0.17	0.16	0.19	0.07	0.09					0.15

	Gadient %		Mtd	Avg
Method I:	13.0	12.0	AL	11.00
Method II:	9.0	10.0	AL	

Wb Depth:	.3	.2	.1

Avg: 0.20 Method: MS Stage: L ☑ M ☐ H ☐
No Vis.Ch.: ☐ Intermittent: ☐ Dw: ☐ Tribs.: ☐

COVER Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	D	T	N	T	N	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
3 41-70%
INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: F DIST: E

LB SHP: V
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: C
STG: YF

RB SHP: V
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: C
STG: YF

WATER

EMS: Req #:
Temp: 10 Method: T3 Cond.: 60 Method: S4
pH: 7.3 Method: P2 Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE
Flood Signs: NONE Method: GE

MORPHOLOGY

Bed Material: Dominant: C Subdom: G
D95: 22.0 D (cm): 5.00 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
Rearing Habitat	Rearing habitat is limited
OverWinter Habitat	No overwintering habitat
Spawning Habitat	No spawning habitat

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 2 F: 24	STD	U	Upstream photo of an organic barrier, an obstruction to fish
R: 2 F: 25	STD	D	Downstream photo of windthrown timber spanning stream

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.009	10242	16

Section	Comments
CHANNEL	No permanent barriers to upstream fish migration were identified
SITE CARD	Fish form 30469
CHANNEL	Numerous organic barriers (ranging from 0.5 m to 1.3 m) were located througout this reach. No fish were captured
CHANNEL	S4* Stream

FDIS Fish Form

Watershed Code:	000-000000-00000-00000-0000-0000-000-000-000-000-000-000	Reach #	ILP Map #	ILP #
		1.0	103P.009	10242

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: 103P.009 ILP #: 10242 Reach #: 1 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/07/26 To: 2000/07/26 Agency: C172 Crew: BW/EM Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
16	103P.009	60528		EF 1	10	60	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
16	EF 1	1	2000/07/26	16:40	2000/07/26	16:58	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
16	EF 1	1	O	234	120.0	0.8	400	60	6	SMITH 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, Downstream photo of windthrown timber spanning stream
Roll #2, Frame #25, Date: 2000/07/26

Site #16, Upstream photo of an organic barrier, an obstruction to fish
Roll #2, Frame #24, Date: 2000/07/26

Stream Reach/Site Summary Report

Reach #	ILP Map #	ILP #
1.0		

Watershed Code: 400-362300-33000-00000-0000-0000-000-000-000-000-000-000

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 400-362300-33000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 1.0 **UTM(Zone/East/North):** 9.556473.6112257 **Sample Type:** B

Length (km): 1.39 **Gradient (%):** 8.06 **US Elev (m):** 489 **Order:** 3 **Magnitude:** 6

Confinement: FC **Coupling:** PC **Open water:** A **BGC Zone:** ICH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** FR

SITE

Site #: 17 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	556843	6111762

Date: 2000/07/27 **Agency:** C172 **Crew:** BW/EM/K

Ref. Name:

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	1.88	1.600	2.200	6
Wetted Width (m):	1.20	0.800	1.600	6
Wb Depth (m):	0.43	0.3	0.6	3

	Avg %	Min %	Max %	#
Gadient %:	2.50	2	3	4
Pool Depth (m):	0.15	0.08	0.310	6

Stage: L ☑ M ☐ H ☐ **Temp (C):** 9 **pH:** 7.2 **Cond.:** 70 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: G Subdom: F **Bars:** ☐ N ☑ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR

D95: 4.00 D (cm): 4.00

Pattern: SI Islands: O

Coupling: PC Confinement: FC

Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	S	T	D	N	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

3 41-70%

LWD: F **DIST:** E **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: S **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** MF

LB SHP: U **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** MF

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
17	*EF*	1	100	175 sec	300	DV	1	61	61

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-362300-33000-00000-0000-0000-000-000-000-000-000-000	1.0			17

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER — Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: — Local Name: None
Watershed Code: 400-362300-33000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: — ILP #: — NID Map #: 103P.020 — NID #: 61409 — Reach #: 1.0 — Site #: 17

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: V2
	9 556843 6111762	Ref. Name:		

Date: 2000/07/27 Time: 09:50 — Agency: C172 — Crew: BW/EM/KT — Fish Crd?: ☑ — Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	MS	1.60	1.80	2.10	1.90	2.20	1.70					1.88
Wetted Width (m):	MS	1.40	0.80	1.60	1.10	1.30	1.00					1.20
Pool Depth (m):	MS	0.12	0.31	0.17	0.10	0.09	0.08					0.15

	Gadient %		Mtd	Avg
Method I:	3.0	2.0	C	2.50
Method II:	3.0	2.0	C	

Wb Depth:	.4	.3	.6

Avg: 0.43 — Method: MS — Stage: L ☑ M ☐ H ☐
No Vis.Ch.: ☐ Intermittent: ☐
Dw: ☐ Tribs.: ☐

COVER — Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	S	T	D	N	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
3 41-70%
INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: F — DIST: E

LB SHP: U
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: 9 — Method: T3
pH: 7.2 — Method: P2
Flood Signs: NONE — Method: GE

Req #:
Cond.: 70 — Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C — Method: GE

MORPHOLOGY

Bed Material: — Dominant: G — Subdom: F
D95: 4.00 — D (cm): 4.00 — Morph: RP
Pattern: SI
Islands: O
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
Rearing Habitat	Moderate rearing habitat. Moderate cover
OverWinter Habitat	Overwintering habitat is limited by few deep pools
Spawning Habitat	Moderate value spawning habitat, fair gravels size for DV

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 3 F: 1	STD	D	Downstream photo of moderate cover
R: 3 F: 2	STD	U	Upstream photo of gravel substrates

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-362300-33000-00000-0000-0000-000-000-000-000-000-000	1.0			17

Section	Comments
SITE CARD	Fish form 30462
CHANNEL	DV Present
CHANNEL	S3 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-362300-33000-00000-0000-0000-000-000-000-000-000-000 1.0

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-362300-33000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 1 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/07/27 To: 2000/07/27 Agency: C172 Crew: BW/EM/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
17	103P.020	61409		EF 1	9	70	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
17	EF 1	1	2000/07/27	09:50	2000/07/27	10:20	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
17	EF 1	1	O	175	100.0	1.5	300	60	6	SMITH ROOT	12B

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
17	EF 1	1	DV	J		1	61 61	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#			
17	EF 1	1	DV	61		U	U						

Site #17, Upstream photo of gravel substrates
Roll #3, Frame #2, Date: 2000/07/27

Site #17, Downstream photo of moderate cover
Roll #3, Frame #1, Date: 2000/07/27

Stream Reach/Site Summary Report

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.020	11061

STREAM REFERENCING

Gazetted Name: | Local Name: None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 | ILP Map #: 103P.020 | ILP #: 11061

REACH

Reach #: 1.0 | UTM(Zone/East/North): 9.558140.6110204 | Sample Type: B

Length (km): 2.28 | Gradient (%): 12.68 | US Elev (m): 668 | Order: 1 | Magnitude: 1

Confinement: OC | Coupling: PC | Open water: A | BGC Zone: ICH

Islands: N | Bars: ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR | Riparian Veg.: M | Landuse: FR

SITE

Site #: 18 | Site Lg (m): 100

GIS UTM(Zone/East/North): 9 | 557632 | 6111439

Date: 2000/07/27 | Agency: C172 | Crew: BW/EM/K

Ref. Name:

CHANNEL

No Vis.Ch.: ☑ Intermittent: ☐

Dw: ☐ Tribs.: ☐

	Avg	Min	Max	#
Channel Width (m):	0.00	0	0	0
Wetted Width (m):	0.00	0	0	0
Wb Depth (m):	0.00	0	0	0

	Avg %	Min %	Max %	#
Gadient %:	0.00	0	0	0
Pool Depth (m):	0.00	0	0	0

Stage: L☐ M☐ H☐ | Temp (C): | pH: | Cond.: | Turb.: ☐ T ☐ M ☐ L ☐ C

MORPHOLOGY

Bed Material: Dominant: | Subdom:

D95: | D (cm):

Pattern: | Islands:

Coupling: | Confinement:

Morph:

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

LWD: | DIST: | INSTREAM VEG: N ☐ A ☐ M ☐ V ☐

RB SHP: Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A | RIP: | STG:

LB SHP: Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A | RIP: | STG:

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.020	11061	18

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER **Project Code:** 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: **Local Name:** None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103P.020 **ILP #:** 11061 **NID Map #:** 103P.020 **NID #:** 61416 **Reach #:** 1.0 **Site #:** 18

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: V2
	9 557632 6111439	Ref. Name:		

Date: 2000/07/27 **Time:** 10:50 **Agency:** C172 **Crew:** BW/EM/KT **Fish Crd?:** ☐ **Incomplete:** ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):												0.00
Wetted Width (m):												0.00
Pool Depth (m):												0.00

	Gadient %		Mtd	Avg
Method I:				0.00
Method II:				

Wb Depth: **Avg:** 0.00 **Method:** **Stage:** L☐ M☐ H☐ **No Vis.Ch.:** ☑ **Intermittent:** ☐ **Dw:** ☐ **Tribs.:** ☐

COVER Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐

CROWN CLOSURE

INSTREAM VEG: N☐ A☐ M☐ V☐

LWD: **DIST:**

LB SHP:
Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP:
STG:

RB SHP:
Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP:
STG:

WATER

EMS: **Req #:**
Temp: Method: **Cond.:** Method:
pH: Method: **Turb.:** ☐ T ☐ M ☐ L ☐ C Method:
Flood Signs: Method:

MORPHOLOGY

Bed Material: Dominant: Subdom:
D95: D (cm): Morph:
Pattern:
Islands:
Coupling:
Confinement:
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
Other	No visible channel. Not a stream. No potential fish habitat

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 3 F: 3	STD	U	Upslope photo of an NVC

COMMENTS

Section	Comments
CHANNEL	NVC

Site #18, Upslope photo of an NVC
Roll #3, Frame #3, Date: 2000/07/27

Stream Reach/Site Summary Report

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.020	11063

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** 103P.020 **ILP #:** 11063

REACH

Reach #: 1.0 **UTM(Zone/East/North):** 9.559388.6112315 **Sample Type:** R

Length (km): .73 **Gradient (%):** 4.11 **US Elev (m):** 477 **Order:** 1 **Magnitude:** 1

Confinement: OC **Coupling:** DC **Open water:** A **BGC Zone:** ICH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** FR

SITE

Site #: 19 **Site Lg (m):** 140

GIS UTM(Zone/East/North)		
9	559103	6112625

Date: 2000/07/27 **Agency:** C172 **Crew:** BW/EM/K **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	1.22	0.9	1.700	6
Wetted Width (m):	1.13	0.9	1.4	6
Wb Depth (m):	0.43	0.4	0.5	3

	Avg %	Min %	Max %	#
Gadient %:	4.25	4	5	4
Pool Depth (m):	0.11	0.06	0.21	6

Stage: L ☑ M ☐ H ☐ **Temp (C):** 9 **pH:** 7.2 **Cond.:** 90 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: G Subdom: F

D95: 12.00 D (cm): 3.00

Pattern: SI Islands: N

Coupling: PC Confinement: OC

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	D	N	S	N	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE 3 41-70%

LWD: F **DIST:** E **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: V **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** MF

LB SHP: U **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** MF

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
19	*EF*	1	500	130 sec	400	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.020	11063	19

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103P.020 ILP #: 11063 NID Map #: 103P.020 NID #: 61404 Reach #: 1.0 Site #: 19

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 140	Method: HC	Access: V2
	9 559103 6112625	Ref. Name:		

Date: 2000/07/27 Time: 12:40 Agency: C172 Crew: BW/EM/KT Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	MS	0.90	1.20	1.10	1.70	1.40	1.00					1.22
Wetted Width (m):	MS	0.90	1.20	1.10	1.40	1.20	1.00					1.13
Pool Depth (m):	MS	0.21	0.06	0.07	0.09	0.12	0.10					0.11

	Gadient %		Mtd	Avg
Method I:	4.0	5.0	C	4.25
Method II:	4.0	4.0	C	

Wb Depth:	.4	.5	.4

Avg: 0.43 Method: MS Stage: L☑ M☐ H☐
No Vis.Ch.: ☐ Intermittent: ☐
Dw: ☐ Tribs.: ☐

COVER Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	D	N	S	N	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
3 41-70%
INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: F DIST: E

LB SHP: U
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: C
STG: MF

RB SHP: V
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: C
STG: MF

WATER

EMS:
Temp: 9 Method: T3
pH: 7.2 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 90 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: G Subdom: F
D95: 12.0 D (cm): 3.00 Morph: RP
Pattern: SI
Islands: N
Coupling: PC
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	No overwintering habitat is present
Spawning Habitat	Moderate spawning habitat-fair amounts of spawning gravel
Rearing Habitat	Moderate salmonid rearing-moderate amount of cover

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 3 F: 4	STD	U	Upstream photo of undercut banks
R: 3 F: 5	STD	D	Downstream photo showing where the stream flows into a swamp

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.020	11063	19

Section	Comments
SITE CARD	Fish form 30477
CHANNEL	No barriers to upstream fish migration were observed. Connectivity to a downstream pond exists
CHANNEL	S4* Stream

FDIS Fish Form

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.020	11063

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: 103P.020 ILP #: 11063 Reach #: 1 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/07/27 To: 2000/07/27 Agency: C172 Crew: BW/EM/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment
19	103P.020	61404					EF	1	9	90	C	

A. GEAR SETTINGS

Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
19	EF	1	1	2000/07/27	12:40	2000/07/27	13:20	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
19	EF	1	1	O	130	500.0	1.0	400	60	6	SMITH 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, Downstream photo showing where the stream flows into a swamp
Roll #3, Frame #5, Date: 2000/07/27

Site #19, Upstream photo of undercut banks
Roll #3, Frame #4, Date: 2000/07/27

Stream Reach/Site Summary Report

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.020	11123

STREAM REFERENCING

Gazetted Name: Local Name: None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 ILP Map #: 103P.020 ILP #: 11123

REACH

Reach #: 1.0 UTM(Zone/East/North): 9.558891.6115755 Sample Type: R

Length (km): .77 Gradient (%): 6.88 US Elev (m): 559 Order: 1 Magnitude: 1

Confinement: FC Coupling: PC Open water: A BGC Zone: ICH

Islands: N Bars: ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR Riparian Veg.: M Landuse: FR

SITE

Site #: 20 GIS UTM(Zone/East/North): 9 558404 6115292 Date: 2000/07/27 Agency: C172 Crew: BW/EM/K

Site Lg (m): 100 Ref. Name:

CHANNEL

No Vis.Ch.: ☑ Intermittent: ☐

Dw: ☐ Tribs.: ☐

	Avg	Min	Max	#
Channel Width (m):	0.00	0	0	0
Wetted Width (m):	0.00	0	0	0
Wb Depth (m):	0.00	0	0	0

	Avg %	Min %	Max %	#
Gadient %:	0.00	0	0	0
Pool Depth (m):	0.00	0	0	0

Stage: L☐ M☐ H☐ Temp (C): pH: Cond.: Turb.: ☐ T ☐ M ☐ L ☐ C

MORPHOLOGY

Bed Material: Dominant: Subdom: Bars: ☐ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR

D95: D (cm):

Pattern: Islands:

Coupling: Confinement:

Morph:

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

LWD: DIST: INSTREAM VEG: N ☐ A ☐ M ☐ V ☐

RB SHP: Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A RIP: STG:

LB SHP: Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A RIP: STG:

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.020	11123	20

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER **Project Code:** 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: **Local Name:** None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103P.020 **ILP #:** 11123 **NID Map #:** 103P.020 **NID #:** 61336 **Reach #:** 1.0 **Site #:** 20

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: V2
	9 558404 6115292	Ref. Name:		

Date: 2000/07/27 **Time:** 15:10 **Agency:** C172 **Crew:** BW/EM/KT **Fish Crd?:** ☐ **Incomplete:** ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):												0.00
Wetted Width (m):												0.00
Pool Depth (m):												0.00

	Gadient %		Mtd	Avg
Method I:				0.00
Method II:				

Wb Depth: **Avg:** 0.00 **Method:** **Stage:** L☐ M☐ H☐ **No Vis.Ch.:** ☑ **Intermittent:** ☐ **Dw:** ☐ **Tribs.:** ☐

COVER Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐

CROWN CLOSURE

INSTREAM VEG: N☐ A☐ M☐ V☐

LWD: **DIST:**

LB SHP:
Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP:
STG:

RB SHP:
Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP:
STG:

WATER

EMS: **Req #:**
Temp: Method: **Cond.:** Method:
pH: Method: **Turb.:** ☐ T ☐ M ☐ L ☐ C Method:
Flood Signs: Method:

MORPHOLOGY

Bed Material: Dominant: Subdom:
D95: D (cm): Morph:
Pattern:
Islands:
Coupling:
Confinement:
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
Other	No visible channel. Not a stream. No potential fish habitat

COMMENTS

Section	Comments
SITE CARD	No photos taken
CHANNEL	NVC

Stream Reach/Site Summary Report

	Reach #	ILP Map #	ILP #
Watershed Code: 400-362300-00000-00000-0000-0000-000-000-000-000-000-000	3.0		

STREAM REFERENCING

Gazetted Name: MILL CREEK **Local Name:** Mill Creek

Watershed Code: 400-362300-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 3.0 **UTM(Zone/East/North):** 9.558412.6115131 **Sample Type:** B

Length (km): 2.77 **Gradient (%):** 2.31 **US Elev (m):** 485 **Order:** 4 **Magnitude:** 108

Confinement: OC **Coupling:** PC **Open water:** A **BGC Zone:** ICH

Islands: N **Bars:** ☐ N ☑ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** FR

SITE

Site #: 21 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	558295	6113158

Date: 2000/07/27 **Agency:** C172 **Crew:** BW/EM/K

Ref. Name:

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	16.67	12	21	6
Wetted Width (m):	15.50	12	18	6
Wb Depth (m):	0.93	0.9	1	3

	Avg %	Min %	Max %	#
Gadient %:	3.75	3	4	4
Pool Depth (m):	0.71	0.600	0.800	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 9 **pH:** 7.6 **Cond.:** 40 **Turb.:** ☐ T ☐ M ☑ L ☐ C

MORPHOLOGY

Bed Material: Dominant: C Subdom: B

D95: 40.00 D (cm): 40.00

Pattern: SI Islands: N

Coupling: PC Confinement: FC

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M **FSZ:** ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	S	S	T	D	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐

CROWN CLOSURE 2 21-40%

LWD: F **DIST:** C **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: V **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** M **STG:** YF

LB SHP: V **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** M **STG:** YF

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
21	*EF*	1	200	350 sec	400	DV	2	65	112

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-362300-00000-00000-0000-0000-000-000-000-000-000-000	3.0			21

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER — Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: MILL CREEK — Local Name: Mill Creek
Watershed Code: 400-362300-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: — ILP #: — NID Map #: 103P.020 — NID #: 61332 — Reach #: 3.0 — Site #: 21

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: V2
	9 558295 6113158	Ref. Name:		

Date: 2000/07/27 — Time: 16:05 — Agency: C172 — Crew: BW/EM/KT — Fish Crd?: ☑ — Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	GE	21.00	18.00	17.00	14.00	12.00	18.00					16.67
Wetted Width (m):	GE	17.00	18.00	14.00	14.00	12.00	18.00					15.50
Pool Depth (m):	MS	0.80	0.73	0.80	0.60	0.64	0.67					0.71

	Gadient %		Mtd	Avg
Method I:	3.0	3.0	C	3.75
Method II:	5.0	4.0	C	

Wb Depth:	1.0	.9	.9

Avg: 0.93 — Method: MS — Stage: L ☐ M ☑ H ☐

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

COVER — Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	S	S	T	D	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
2 21-40%
INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: F — DIST: C

LB SHP: V
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: M
STG: YF

RB SHP: V
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: M
STG: YF

WATER

EMS:
Temp: 9 — Method: T3
pH: 7.6 — Method: P2
Flood Signs: NONE — Method: GE

Req #:
Cond.: 40 — Method: S4
Turb.: ☐ T ☐ M ☑ L ☐ C — Method: GE

MORPHOLOGY

Bed Material: — Dominant: C — Subdom: B
D95: 40.0 — D (cm): 40.00 — Morph: RP
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
Rearing Habitat	High value rearing habitat with moderate amounts of cover
OverWinter Habitat	High value overwintering habitat exists in numerous deep pools
Spawning Habitat	Moderate spawning habitat contained in pockets of suitable gravel

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 3 F: 7	STD	U	Upstream photo of a wide portion of the reach
R: 3 F: 8	STD	D	Downstream photo of LWD which is creating habitat complexity

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	400-362300-00000-00000-0000-0000-000-000-000-000-000-000	Reach #	ILP Map #	ILP #	Site
		3.0			21

Section	Comments
CHANNEL	Reach 4 replaced with discretionary reach 3
CHANNEL	DV Captured
CHANNEL	S2 Stream

FDIS Fish Form

	Reach #	ILP Map #	ILP #
Watershed Code: 400-362300-00000-00000-0000-0000-000-000-000-000-000-000	3.0		

WATERBODY

Gazetted Name: MILL CREEK Local: Mill Creek
Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0
WS Code: 400-362300-00000-00000-0000-0000-000-000-000-000-000-000
Waterbody ID: ILP Map #: ILP #: Reach #: 3 -
Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/07/27 To: 2000/07/27 Agency: C172 Crew: BW/EM/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
21	103P.020	61332		EF 1	9	40	L	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
21	EF 1	1	2000/07/27	16:05	2000/07/27	16:50	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
21	EF 1	1	O	350	200.0	3.0	400	60	6	SMITH ROOT	12B

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total # / Str/Smpl#/Age	Lgth (Min/Max) / Str/Smpl#	FishAct	Comment
21	EF 1	1	DV	112	U	U			
21	EF 1	1	DV	65	U	U			

Site #21, Upstream photo of a wide portion of the reach
Roll #3, Frame #7, Date: 2000/07/27

Site #21, Downstream photo of LWD which is creating habitat complexity
Roll #3, Frame #8, Date: 2000/07/27

Stream Reach/Site Summary Report

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.020	11062

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** 103P.020 **ILP #:** 11062

REACH

Reach #: 1.0 **UTM(Zone/East/North):** 9.558955.6112627 **Sample Type:** R

Length (km): .16 **Gradient (%):** 0 **US Elev (m):** 439 **Order:** 1 **Magnitude:** 1

Confinement: OC **Coupling:** DC **Open water:** P **BGC Zone:** ICH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 22 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	558844	6112577

Date: 2000/07/27 **Agency:** C172 **Crew:** BW/EM/K **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	0.00	0	0	0
Wetted Width (m):	0.00	0	0	0
Wb Depth (m):	0.00	0	0	0

	Avg %	Min %	Max %	#
Gadient %:	0.00	0	0	0
Pool Depth (m):	0.00	0	0	0

Stage: L ☐ M ☐ H ☐ **Temp (C):** **pH:** **Cond.:** **Turb.:** ☐ T ☐ M ☐ L ☐ C

MORPHOLOGY

Bed Material: **Dominant:** **Subdom:**

D95: **D (cm):**

Pattern: **Islands:**

Coupling: **Confinement:**

Morph:

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

LWD: **DIST:** **INSTREAM VEG:** N ☐ A ☐ M ☐ V ☐

RB SHP: **Texture:** ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** **STG:**

LB SHP: **Texture:** ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** **STG:**

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.020	11062	22

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: Local Name: None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103P.020 ILP #: 11062 NID Map #: 103P.020 NID #: 61406 Reach #: 1.0 Site #: 22

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: V2
	9 558844 6112577	Ref. Name:		

Date: 2000/07/27 Time: 13:40 Agency: C172 Crew: BW/EM/KT Fish Crd?: ☐ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):												0.00
Wetted Width (m):												0.00
Pool Depth (m):												0.00

	Gadient %		Mtd	Avg
Method I:				0.00
Method II:				

Wb Depth: Avg: 0.00 Method: Stage: L☐ M☐ H☐ No Vis.Ch.: ☑ Intermittent: ☐ Dw: ☐ Tribs.: ☐

COVER Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐

CROWN CLOSURE

INSTREAM VEG: N ☐ A ☐ M ☐ V ☐

LWD: DIST:

LB SHP:
Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP:
STG:

RB SHP:
Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP:
STG:

WATER

EMS: Req #:
Temp: Method: Cond.: Method:
pH: Method: Turb.: ☐ T ☐ M ☐ L ☐ C Method:
Flood Signs: Method:

MORPHOLOGY

Bed Material: Dominant: Subdom:
D95: D (cm): Morph:
Pattern:
Islands:
Coupling:
Confinement:
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 is abundant
Rearing Habitat	Rearing habitat is abundant in this waterbody
Spawning Habitat	No spawning habitat is available

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 3 F: 6	STD	X	Photo of the waterbody associated with this reach

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.020	11062	22

COMMENTS

Section	Comments
CHANNEL	This portion of the reach is a part of the downstream swamp. It contains no channel characteristics and does not meet the definition of a stream. Fish may be present and fish habitat is present. No electrofishing was conducted
CHANNEL	NVC

Site #22, Photo of the waterbody associated with this reach
Roll #3, Frame #6, Date: 2000/07/27

Stream Reach/Site Summary Report

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	3.0	103I.089	10772

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** 103I.089 **ILP #:** 10772

REACH

Reach #: 3.0 **UTM(Zone/East/North):** 9.537902.6081288 **Sample Type:** R

Length (km): 1.26 **Gradient (%):** 15.71 **US Elev (m):** 350 **Order:** 2 **Magnitude:** 3

Confinement: OC **Coupling:** PC **Open water:** A **BGC Zone:** ICH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 122 **Site Lg (m):** 120

GIS UTM(Zone/East/North)		
9	538639	6081037

Date: 2000/08/01 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	0.92	0.7	1.200	6
Wetted Width (m):	0.78	0.600	0.9	6
Wb Depth (m):	0.17	0.1	0.2	3

	Avg %	Min %	Max %	#
Gadient %:	22.75	12	53	4
Pool Depth (m):	0.07	0.050	0.100	7

Stage: L ☐ M ☑ H ☐ **Temp (C):** 7 **pH:** 7.4 **Cond.:** 40 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: G Subdom: C

D95: 30.00 D (cm): 3.00

Pattern: SI Islands: N

Coupling: DC Confinement: FC

Morph: CP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M **FSZ:** ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	S	N	D	N	T	N
Loc: P/S/O:	☐☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE 3 41-70%

LWD: F **DIST:** C **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: U **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** M **STG:** YF

LB SHP: U **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** M **STG:** YF

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)
103I.089	71513	C	60.0	GE	120	GE	R: 3 F: 18	L: #:	9 538861 6080846 GIS

Comments:

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
122	*EF*	1	50	290 sec	400	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	3.0	103I.089	10772	122

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER **Project Code:** 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: **Local Name:** None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103I.089 **ILP #:** 10772 **NID Map #:** 103I.089 **NID #:** 61513 **Reach #:** 3.0 **Site #:** 122

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 120	Method: HC	Access: H
	9 538639 6081037	Ref. Name:		

Date: 2000/08/01 **Time:** 08:20 **Agency:** C172 **Crew:** BW/KT **Fish Crd?:** ☑ **Incomplete:** ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	MS	1.20	0.80	0.90	1.00	0.90	0.70					0.92
Wetted Width (m):	MS	0.60	0.80	0.90	0.80	0.90	0.70					0.78
Pool Depth (m):	MS	0.06	0.07	0.10	0.05	0.05	0.07	0.06				0.07

	Gadient %		Mtd	Avg
Method I:	53.0	12.0	C	22.75
Method II:	12.0	14.0	C	

Wb Depth:	.1	.2	.2	Avg: 0.17	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	S	N	D	N	T	N
Loc: P/S/O:	☐☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE 3 41-70%

INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: F **DIST:** C

LB SHP: U
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: M
STG: YF

RB SHP: U
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: M
STG: YF

WATER

EMS: **Req #:**
Temp: 7 Method: T3 **Cond.:** 40 Method: S4
pH: 7.4 Method: P2 **Turb.:** ☐ T ☐ M ☐ L ☑ C Method: GE
Flood Signs: NONE Method: GE

MORPHOLOGY

Bed Material: Dominant: G Subdom: C
D95: 30.0 D (cm): 3.00 Morph: CP
Pattern: SI
Islands: N
Coupling: DC
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 (Zone/East/North/Method)
103I.089	71513	C	60.0	GE	120	GE	R: 3 F: 18	L: #:	9 538861 6080846 GIS

Comments:

HABITAT QUALITY

Name	Comments
OverWinter Habitat	No overwintering habitat
Rearing Habitat	Poor to moderate rearing habitat due to poor access
Spawning Habitat	Poor spawning habitat

PHOTOS

Photo	Foc Lg	Dir	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	3.0	103I.089	10772	122

Photo				Foc Lg	Dir	Comments
R:	3	F:	17	STD	U	Upstream photo towards the 60 m cascade
R:	3	F:	18	STD	D	Downstream photo of riffle/pool habitat

COMMENTS

Section	Comments
SITE CARD	Fish form 16482
CHANNEL	120 m Cascades at lower end of reach prevent upstream fish migration
CHANNEL	S6 Stream

FDIS Fish Form

		Reach #	ILP Map #	ILP #
Watershed Code:	000-000000-00000-00000-0000-0000-000-000-000-000-000-000	3.0	103I.089	10772

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: 103I.089 ILP #: 10772 Reach #: 3 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/01 To: 2000/08/01 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment
122	103I.089	61513					EF	1	7	40	C	

A. GEAR SETTINGS

Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
122	EF	1	1	2000/08/01	08:20	2000/08/01	09:00	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
122	EF	1	1	O	290	50.0	0.8	400	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #122, Upstream photo towards the 60 m cascade
Roll #3, Frame #17, Date: 2000/08/01

Site #122, Downstream photo of riffle/pool habitat
Roll #3, Frame #18, Date: 2000/08/01

Stream Reach/Site Summary Report

	Reach #	ILP Map #	ILP #
Watershed Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000	2.0		

STREAM REFERENCING

Gazetted Name: LORNE CREEK **Local Name:** Lorne Creek

Watershed Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 2.0 **UTM(Zone/East/North):** 9.536177.6082196 **Sample Type:** B

Length (km): 3.08 **Gradient (%):** 3.93 **US Elev (m):** 320 **Order:** 4 **Magnitude:** 139

Confinement: EN **Coupling:** CO **Open water:** A **BGC Zone:** ICH

Islands: N **Bars:** ☐ N ☑ SIDE ☐ DIAG ☑ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 123 **Site Lg (m):** 120

GIS UTM(Zone/East/North)		
9	536251	6082391

Date: 2000/08/01 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	27.17	20	32	6
Wetted Width (m):	12.67	10	14	6
Wb Depth (m):	4.67	4	5	3

	Avg %	Min %	Max %	#
Gadient %:	4.25	4	5	4
Pool Depth (m):	0.73	0.5	1	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 8 **pH:** 7.6 **Cond.:** 60 **Turb.:** ☐ T ☐ M ☑ L ☐ C

MORPHOLOGY

Bed Material: Dominant: B Subdom: C

D95: 120.00 D (cm): 80.00

Pattern: IR Islands: N

Coupling: CO Confinement: FC

Morph: CP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: A

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	D	N	S	N	N
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

1 1-20%

LWD: F **DIST:** E **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: S **Texture:** ☐ F ☐ G ☐ C ☑ B ☐ R ☐ A **RIP:** M **STG:** MF

LB SHP: S **Texture:** ☐ F ☐ G ☐ C ☑ B ☐ R ☐ A **RIP:** M **STG:** MF

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
123	*EF*	1	60	218 sec	300	DV	1	110	110

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
2.0			123

Watershed Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: LORNE CREEK
Local Name: Lorne Creek
Watershed Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103I.088 NID #: 61458 Reach #: 2.0 Site #: 123

Field UTM(Zone/East/North/Method)				GIS UTM(Zone/East/North)		
				9	536251	6082391

Site Lg: 120 Method: HC Access: H
Ref. Name:

Date: 2000/08/01 Time: 10:12 Agency: C172 Crew: BW/KT Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	GE	25.00	32.00	30.00	31.00	20.00	25.00					27.17
Wetted Width (m):	GE	12.00	14.00	10.00	14.00	12.00	14.00					12.67
Pool Depth (m):	GE	0.80	0.70	0.70	1.00	0.50	0.70					0.73

	Gadient %		Mtd	Avg
Method I:	4.0	5.0	C	4.25
Method II:	4.0	4.0	C	

Wb Depth:	4.0	5.0	5.0

Avg: 4.67 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	N	D	N	S	N	N
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐

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: 8 Method: T3
pH: 7.6 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 60 Method: S4
Turb.: ☐ T ☐ M ☑ L ☐ C Method: GE

MORPHOLOGY

Bed Material: Dominant: B Subdom: C
D95: 120.0 D (cm): 80.00 Morph: CP
Pattern: IR
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

HABITAT QUALITY

Name	Comments
Other	Marginal rearing and overwintering habitat exists due to the high water velocity and the lack of channel complexity
Spawning Habitat	No spawning habitat exists due to the large substrate size

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	3	F:	19	STD	U	Upstream photo showing the steep walls of the valley
R:	3	F:	20	STD	D	Downstream photo showing the boulder substrates

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-301700-00000-00000-0000-0000-000-000-000-000-000-000	2.0			123

COMMENTS	
Section	**Comments**
SITE CARD	Fish form 9221
CHANNEL	No barriers between this site and the Skeena River. DV captured
CHANNEL	S1 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000 2.0

WATERBODY

Gazetted Name: LORNE CREEK Local: Lorne Creek

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 2 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/01 To: 2000/08/01 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
123	103I.088	61458		EF 1	8	60	L	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
123	EF 1	1	2000/08/01	10:12	2000/08/01	10:36	

C. ELECTROFISHER SPECIFICATIONS

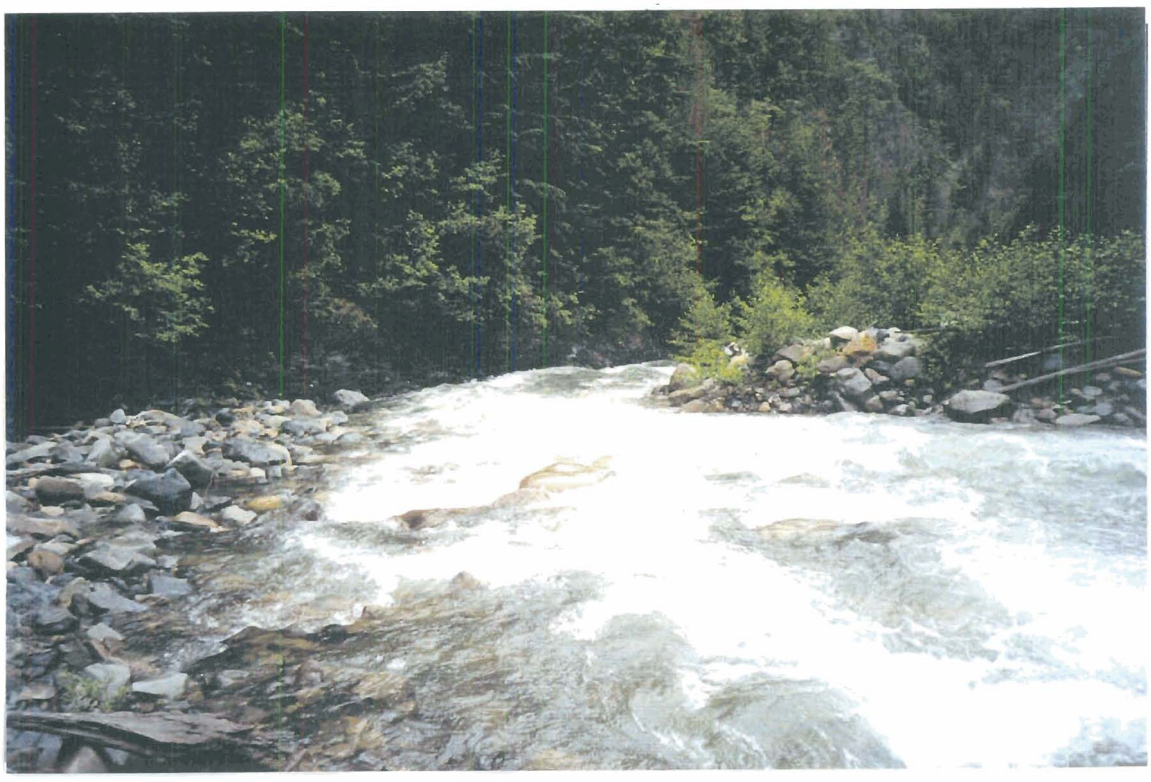
Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
123	EF 1	1	O	218	60.0	2.0	300	60	6	SMITH ROOT	12B

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
123	EF 1	1	DV	J		1	110 110	R	

INDIVIDUAL FISH DATA

Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age Str/Smpl#/Age	Vch#	Genetic Str/Smpl#	Roll #	Frame#	Comment
123	EF 1	1	DV	110		U	U						



Site #123, Downstream photo showing the boulder substrates
Roll #3, Frame #20, Date: 2000/08/01

Site #123, Upstream photo showing the steep walls of the valley
Roll #3, Frame #19, Date: 2000/08/01

Stream Reach/Site Summary Report

	Reach #	ILP Map #	ILP #
Watershed Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000	4.0		

STREAM REFERENCING

Gazetted Name: LORNE CREEK **Local Name:** Lorne Creek

Watershed Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 4.0 **UTM(Zone/East/North):** 9.531192.6082973 **Sample Type:** B

Length (km): 3.91 **Gradient (%):** 6.73 **US Elev (m):** 650 **Order:** 4 **Magnitude:** 60

Confinement: EN **Coupling:** CO **Open water:** A **BGC Zone:** CWH

Islands: N **Bars:** ☐N ☑SIDE ☐DIAG ☑MID ☐SPAN ☐BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 124 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	533299	6082332

Date: 2000/08/01 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	23.33	20	30	6
Wetted Width (m):	7.17	6	8	6
Wb Depth (m):	1.13	1	1.2	3

	Avg %	Min %	Max %	#
Gadient %:	4.75	5	5	4
Pool Depth (m):	0.88	0.800	1	6

Stage: L☐ M☑ H☐ **Temp (C):** 8 **pH:** 7.6 **Cond.:** 60 **Turb.:** ☐ T ☐ M ☑ L ☐ C

MORPHOLOGY

Bed Material: Dominant: B Subdom: C

D95: 120.00 D (cm): 80.00

Pattern: SI Islands: N

Coupling: CO Confinement: CO

Morph: CP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: A **FSZ:** ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	D	N	S	N	N
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐

CROWN CLOSURE 1 1-20%

LWD: F **DIST:** C **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: S **Texture:** ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A **RIP:** M **STG:** MF

LB SHP: S **Texture:** ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A **RIP:** M **STG:** MF

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo		AirPhoto		UTM (Zone/East/North/Method)			
103I.088	71471	F	7.0	AE	0	AE	R:	F:	L:	#:	9	533521	6082295	GIS

Comments:

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
124	*EF*	1	110	470 sec	400	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-301700-00000-00000-0000-0000-000-000-000-000-000-000	4.0			124

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER **Project Code:** 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: LORNE CREEK **Local Name:** Lorne Creek
Watershed Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: **ILP #:** **NID Map #:** 103I.088 **NID #:** 61471 **Reach #:** 4.0 **Site #:** 124

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: H
	9 533299 6082332	Ref. Name:		

Date: 2000/08/01 **Time:** 10:50 **Agency:** C172 **Crew:** BW/KT **Fish Crd?:** ☑ **Incomplete:** ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	GE	25.00	20.00	20.00	30.00	20.00	25.00					23.33
Wetted Width (m):	GE	7.00	7.00	8.00	6.00	7.00	8.00					7.17
Pool Depth (m):	GE	1.00	0.90	0.80	0.90	0.90	0.80					0.88

	Gadient %		Mtd	Avg
Method I:	5.0	5.0	C	4.75
Method II:	4.0	5.0	C	

Wb Depth:	1.0	1.2	1.2

Avg: 1.13 **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	N	D	N	S	N	N
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐

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:
Temp: 8 Method: T3
pH: 7.6 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 60 Method: S4
Turb.: ☐ T ☐ M ☑ L ☐ C Method: GE

MORPHOLOGY

Bed Material: Dominant: B Subdom: C
D95: 120.0 D (cm): 80.00 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

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)
103I.088	71471	F	7.0	AE	0	AE	R: F:	L: #:	9 533521 6082295 GIS

Comments:

HABITAT QUALITY

Name	Comments
Other	Overwintering and rearing habitat is limited due to the high water velocity
Spawning Habitat	No spawning habitat available due to the large substrates

PHOTOS

Photo	Foc Lg	Dir	Comments

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
4.0			124

Watershed Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	3	F:	21	STD	U	Upstream photo showing secondary channels cut during high water
R:	3	F:	22	STD	D	Downstream photo showing the cascade/pool morphology

COMMENTS

Section	Comments
SITE CARD	Fish form 16004
CHANNEL	7 m falls blocks upstream fish migration. No fish were captured upstream of the falls
CHANNEL	S5 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000 4.0

WATERBODY

Gazetted Name: LORNE CREEK **Local:** Lorne Creek
Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0
WS Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000
Waterbody ID: **ILP Map #:** **ILP #:** **Reach #:** 4 -
Project ID: 3476 **Lake/Stream:** S **Lake From Date:**

Fish Permit #: 25350K **Date:** 2000/08/01 **To:** 2000/08/01 **Agency:** C172 **Crew:** BW/KT **Resample:** ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment
124	103I.088	61471					EF	1	8	60	L	

A. GEAR SETTINGS

Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
124	EF	1	1	2000/08/01	10:50	2000/08/01	11:20	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
124	EF	1	1	O	470	110.0	2.0	400	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #124, Downstream photo showing the cascade/pool morphology
Roll #3, Frame #22, Date: 2000/08/01

Site #124, Upstream photo showing secondary channels cut during high water
Roll #3, Frame #21, Date: 2000/08/01

Stream Reach/Site Summary Report

	Reach #	ILP Map #	ILP #
Watershed Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000	5.0		

STREAM REFERENCING

Gazetted Name: LORNE CREEK **Local Name:** Lorne Creek

Watershed Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 5.0 **UTM(Zone/East/North):** 9.529219.6083104 **Sample Type:** B

Length (km): 2.31 **Gradient (%):** 6.41 **US Elev (m):** 798 **Order:** 4 **Magnitude:** 44

Confinement: EN **Coupling:** CO **Open water:** A **BGC Zone:** CWH

Islands: N **Bars:** ☐ N ☑ SIDE ☐ DIAG ☑ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 125 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	530875	6083216

Date: 2000/08/01 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	25.83	21	29	6
Wetted Width (m):	9.45	7	12.30	6
Wb Depth (m):	1.37	1	1.8	3

	Avg %	Min %	Max %	#
Gadient %:	7.00	6	9	4
Pool Depth (m):	0.32	0.150	0.400	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 8 **pH:** 7.8 **Cond.:** 60 **Turb.:** ☐ T ☐ M ☑ L ☐ C

MORPHOLOGY

Bed Material: Dominant: C Subdom: B

D95: 58.00 D (cm): 24.00

Pattern: SI Islands: N

Coupling: CO Confinement: CO

Morph: CP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	T	D	N	S	T	N
Loc: P/S/O:	☐☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

1 1-20%

LWD: F **DIST:** C **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: S **Texture:** ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A **RIP:** M **STG:** MF

LB SHP: S **Texture:** ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A **RIP:** M **STG:** MF

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo		AirPhoto		UTM (Zone/East/North/Method)			
103I.088	71483	C	10.0	AE	2	AE	R:	F:	L:	#:	9	530690	6083285	GIS

Comments:

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
125	*EF*	1	120	610 sec	400	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-301700-00000-00000-0000-0000-000-000-000-000-000-000	5.0			125

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: LORNE CREEK
Local Name: Lorne Creek
Watershed Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103I.088 NID #: 61483 Reach #: 5.0 Site #: 125

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: H
	9 530875 6083216	Ref. Name:		

Date: 2000/08/01 Time: 11:45 Agency: C172 Crew: BW/KT Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	25.00	28.00	21.00	24.00	28.00	29.00					25.83
Wetted Width (m):	T	7.00	7.40	11.20	11.10	12.30	7.70					9.45
Pool Depth (m):	MS	0.40	0.30	0.32	0.34	0.40	0.15					0.32

	Gadient %		Mtd	Avg
Method I:	6.0	9.0	C	7.00
Method II:	7.0	6.0	C	

Wb Depth:	1.3	1.8	1.0

Avg: 1.37 Method: MS Stage: L☐ M☑ H☐
No Vis.Ch.: ☐ Intermittent: ☐
Dw: ☐ Tribs.: ☐

COVER Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	T	D	N	S	T	N
Loc: P/S/O:	☐☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☐☐☐

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:
Temp: 8 Method: T3
pH: 7.8 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 60 Method: S4
Turb.: ☐ T ☐ M ☑ L ☐ C Method: GE

MORPHOLOGY

Bed Material: Dominant: C Subdom: B
D95: 58.0 D (cm): 24.00 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

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)
103I.088	71483	C	10.0	AE	2	AE	R: F:	L: #:	9 530690 6083285 GIS

Comments:

HABITAT QUALITY

Name	Comments
Spawning Habitat	Poor spawning habitat due to large substrates
OverWinter Habitat	Overwintering habitat exists in limited amounts
Rearing Habitat	Poor rearing habitat limited by trace amounts of cover

PHOTOS

Photo	Foc Lg	Dir	Comments

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
5.0			125

Watershed Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000

Photo				Foc Lg	Dir	Comments
R:	3	F:	23	STD	U	Upstream photo of exposed bank
R:	3	F:	24	STD	D	Downstream photo showing the LWD jam this reach

COMMENTS

Section	Comments
SITE CARD	Fish form 16003
CHANNEL	No fish captured above the falls in Reach 4
CHANNEL	S5 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000 5.0

WATERBODY

Gazetted Name: LORNE CREEK **Local:** Lorne Creek
Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0
WS Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000
Waterbody ID: **ILP Map #:** **ILP #:** **Reach #:** 5 -
Project ID: 3476 **Lake/Stream:** S **Lake From Date:**

Fish Permit #: 25350K **Date:** 2000/08/01 **To:** 2000/08/01 **Agency:** C172 **Crew:** BW/KT **Resample:** ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment
125	103I.088	61483					EF	1	8	60	L	

A. GEAR SETTINGS

Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
125	EF	1	1	2000/08/01	11:45	2000/08/01	12:20	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
125	EF	1	1	O	610	120.0	4.0	400	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #125, Downstream photo showing the LWD jam this reach
Roll #3, Frame #24, Date: 2000/08/01

Site #125, Upstream photo of exposed bank
Roll #3, Frame #23, Date: 2000/08/01

Stream Reach/Site Summary Report

Reach #	ILP Map #	ILP #
3.0		

Watershed Code: 400-301700-54800-00000-0000-0000-000-000-000-000-000-000

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 400-301700-54800-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 3.0 **UTM(Zone/East/North):** 9.525706.6080043 **Sample Type:** R

Length (km): 2.33 **Gradient (%):** 10.52 **US Elev (m):** 1312 **Order:** 2 **Magnitude:** 6

Confinement: FC **Coupling:** CO **Open water:** A **BGC Zone:** MH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 126 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	526917	6080173

Date: 2000/08/01 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	5.30	3.200	6.800	6
Wetted Width (m):	5.30	3.200	6.800	6
Wb Depth (m):	0.37	0.3	0.4	3

	Avg %	Min %	Max %	#
Gadient %:	4.00	4	4	4
Pool Depth (m):	0.19	0.150	0.200	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 5 **pH:** 6.9 **Cond.:** 40 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: C Subdom: B

D95: 50.00 D (cm): 15.00

Pattern: SI Islands: N

Coupling: PC Confinement: FC

Morph: CP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: T **FSZ:** ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	D	N	N	T	N
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE 0 0%

LWD: N **DIST:** NA **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: S **Texture:** ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A **RIP:** G **STG:** NA

LB SHP: S **Texture:** ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A **RIP:** G **STG:** NA

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
126	*EF*	1	150	420 sec	400	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-301700-54800-00000-0000-0000-000-000-000-000-000-000	3.0			126

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER **Project Code:** 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: **Local Name:** None
Watershed Code: 400-301700-54800-00000-0000-0000-000-000-000-000-000-000
ILP Map#: **ILP #:** **NID Map #:** 103I.088 **NID #:** 61498 **Reach #:** 3.0 **Site #:** 126

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: H
	9 526917 6080173	Ref. Name:		

Date: 2000/08/01 **Time:** 12:50 **Agency:** C172 **Crew:** BW/KT **Fish Crd?:** ☑ **Incomplete:** ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	6.50	4.90	6.70	6.80	3.20	3.70					5.30
Wetted Width (m):	T	6.50	4.90	6.70	6.80	3.20	3.70					5.30
Pool Depth (m):	MS	0.15	0.20	0.18	0.19	0.20	0.20					0.19

	Gadient %		Mtd	Avg
Method I:	4.0	4.0	C	4.00
Method II:	4.0	4.0	C	

Wb Depth:	.4	.3	.4

Avg: 0.37 **Method:** MS **Stage:** L☐ M☑ H☐

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

COVER Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	D	N	N	T	N
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE 0 0%

INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: N **DIST:** NA

LB SHP: S
Texture: ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A
RIP: G
STG: NA

RB SHP: S
Texture: ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A
RIP: G
STG: NA

WATER

EMS:
Temp: 5 Method: T3
pH: 6.9 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 40 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: C Subdom: B
D95: 50.0 D (cm): 15.00 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	Overwintering habitat is not present
Spawning Habitat	Spawning values are poor due to the high water velocity
Rearing Habitat	Rearing values are poor due to limited cover within this reach

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	3	F:	25	STD	U	Upstream photo of stream flowing through an alpine meadow
R:	6	F:	1	STD	D	Downstream photo of high velocity habitat

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	400-301700-54800-00000-0000-0000-000-000-000-000-000-000	Reach #	ILP Map #	ILP #	Site
		3.0			126

Section	Comments
SITE CARD	Fish form 16031
CHANNEL	No fish present. Barriers located downstream
CHANNEL	S5 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-301700-54800-00000-0000-0000-000-000-000-000-000-000 3.0

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-301700-54800-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 3 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/01 To: 2000/08/01 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
126	103I.088	61498		EF 1	5	40	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
126	EF 1	1	2000/08/01	12:50	2000/08/01	13:20	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
126	EF 1	1	O	420	150.0	4.0	400	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #126, Upstream photo of stream flowing through an alpine meadow
Roll #3, Frame #25, Date: 2000/08/01

Site #126, Downstream photo of high velocity habitat
Roll #6, Frame #1, Date: 2000/08/01

Stream Reach/Site Summary Report

Reach #	ILP Map #	ILP #
8.0		

Watershed Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000

STREAM REFERENCING

Gazetted Name: LORNE CREEK **Local Name:** Lorne Creek

Watershed Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 8.0 **UTM(Zone/East/North):** 9.526725.6084076 **Sample Type:** R

Length (km): 1.37 **Gradient (%):** 0.73 **US Elev (m):** 1029 **Order:** 4 **Magnitude:** 20

Confinement: UN **Coupling:** DC **Open water:** P **BGC Zone:** MH

Islands: N **Bars:** ☐N ☑SIDE ☐DIAG ☐MID ☐SPAN ☐BR **Riparian Veg.:** S **Landuse:** NO

SITE

Site #: 127 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	527187	6084314

Date: 2000/08/01 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	7.02	5.1	8.300	6
Wetted Width (m):	5.03	4.1	5.6	6
Wb Depth (m):	0.63	0.6	0.7	3

	Avg %	Min %	Max %	#
Gadient %:	2.00	2	2	4
Pool Depth (m):	0.60	0.300	0.9	6

Stage: L☐ M☑ H☐ **Temp (C):** 9 **pH:** 7.4 **Cond.:** 70 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: G Subdom: F

D95: 15.00 D (cm): 6.00

Pattern: IM Islands: N

Coupling: DC Confinement: UN

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M **FSZ:** ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	T	N	S	T	D	N
Loc: P/S/O:	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐

CROWN CLOSURE 0 0%

LWD: F **DIST:** E **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: S **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** G **STG:** NA

LB SHP: U **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** G **STG:** NA

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
127	*EF*	1	110	340 sec	300	NFC	0		

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
8.0			127

Watershed Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: LORNE CREEK
Local Name: Lorne Creek
Watershed Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103I.098 NID #: 61231 Reach #: 8.0 Site #: 127

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)
	9 527187 6084314

Site Lg: 100 Method: HC Access: H
Ref. Name:

Date: 2000/08/01 Time: 14:00 Agency: C172 Crew: BW/KT Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	8.30	5.10	7.80	7.30	8.00	5.60					7.02
Wetted Width (m):	T	5.40	5.10	5.60	4.40	4.10	5.60					5.03
Pool Depth (m):	MS	0.70	0.60	0.70	0.90	0.40	0.30					0.60

	Gadient %		Mtd	Avg
Method I:	2.0	2.0	C	2.00
Method II:	2.0	2.0	C	

Wb Depth:	.6	.7	.6

Avg: 0.63 Method: MS Stage: L☐ M☑ H☐
No Vis.Ch.: ☐ Intermittent: ☐
Dw: ☐ Tribs.: ☐

COVER Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	T	N	S	T	D	N
Loc: P/S/O:	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
0 0%
INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: F DIST: E

LB SHP: U
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: G
STG: NA

RB SHP: S
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: G
STG: NA

WATER

EMS:
Temp: 9 Method: T3
pH: 7.4 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 70 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: G Subdom: F
D95: 15.0 D (cm): 6.00 Morph: RP
Pattern: IM
Islands: N
Coupling: DC
Confinement: UN
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
Other	Spawning, rearing, and overwintering values are excellent for salmonids within this reach. Gravels suitable for medium sized trout or char are abundant

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 6 F: 2	STD	D	Downstream photo showing overstream vegetation
R: 6 F: 3	STD	U	Upstream photo showing good spawning gravels for salmonids

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-301700-00000-00000-0000-0000-000-000-000-000-000-000	8.0			127

COMMENTS	
Section	**Comments**
SITE CARD	Fish form 30505
CHANNEL	No fish are present above the downstream barriers
CHANNEL	S5 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000 8.0

WATERBODY

Gazetted Name: LORNE CREEK Local: Lorne Creek
Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0
WS Code: 400-301700-00000-00000-0000-0000-000-000-000-000-000-000
Waterbody ID: ILP Map #: ILP #: Reach #: 8 -
Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/01 To: 2000/08/01 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
127	103I.098	61231		EF 1	9	70	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
127	EF 1	1	2000/08/01	14:00	2000/08/01	14:32	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
127	EF 1	1	O	340	110.0	2.0	300	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #127, Upstream photo showing good spawning gravels for salmonids
Roll #6, Frame #3, Date: 2000/08/01

Site #127, Downstream photo showing overstream vegetation
Roll #6, Frame #2, Date: 2000/08/01

Stream Reach/Site Summary Report

	Reach #	ILP Map #	ILP #
Watershed Code: 400-313700-71700-36000-0000-0000-000-000-000-000-000-000	3.0		

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 400-313700-71700-36000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 3.0 **UTM(Zone/East/North):** 9.527751.6086918 **Sample Type:** R

Length (km): .76 **Gradient (%):** 2.76 **US Elev (m):** 1220 **Order:** 2 **Magnitude:** 6

Confinement: FC **Coupling:** PC **Open water:** P **BGC Zone:** AT

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** S **Landuse:** NO

SITE

Site #: 128 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	527526	6086743

Date: 2000/08/01 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	0.75	0.5	1.100	6
Wetted Width (m):	0.75	0.5	1.100	6
Wb Depth (m):	0.33	0.3	0.4	3

	Avg %	Min %	Max %	#
Gadient %:	5.75	4	7	4
Pool Depth (m):	0.13	0.100	0.200	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 15 **pH:** 7.8 **Cond.:** 50 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: C Subdom: F

D95: 35.00 D (cm): 0.10

Pattern: IR Islands: N

Coupling: DC Confinement: UN

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: T **FSZ:** ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	S	D	N	N	S
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☑☐☐	☐☐☐	☐☐☐	☑☐☐

CROWN CLOSURE 0 0%

LWD: N **DIST:** NA **INSTREAM VEG:** N ☐ A ☐ M ☐ V ☑

RB SHP: U **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** G **STG:** NA

LB SHP: V **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** G **STG:** NA

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
128	*EF*	1	40	81 sec	400	NFC	0		

FDIS Site Card

	Reach #	ILP Map #	ILP #	Site
Watershed Code: 400-313700-71700-36000-0000-0000-000-000-000-000-000-000	3.0			128

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code:

WATERSHED

Gazetted Name: Local Name: None
Watershed Code: 400-313700-71700-36000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103I.098 NID #: 61219 Reach #: 3.0 Site #: 128

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: H
	9 527526 6086743	Ref. Name:		

Date: 2000/08/01 Time: 14:50 Agency: C172 Crew: BW/KT Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	MS	1.10	0.60	0.50	0.90	0.80	0.60					0.75
Wetted Width (m):	MS	1.10	0.60	0.50	0.90	0.80	0.60					0.75
Pool Depth (m):	MS	0.10	0.10	0.20	0.20	0.10	0.10					0.13

	Gadient %		Mtd	Avg
Method I:	4.0	7.0	C	5.75
Method II:	7.0	5.0	C	

Wb Depth:	.3	.4	.3	Avg: 0.33	Method: MS	Stage: L☐ M☑ H☐

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

COVER Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	S	D	N	N	S
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☑☐☐	☐☐☐	☐☐☐	☑☐☐

CROWN CLOSURE
0 0%
INSTREAM VEG: N ☐ A ☐ M ☐ V ☑

LWD: N DIST: NA

LB SHP: V
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: G
STG: NA

RB SHP: U
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: G
STG: NA

WATER

EMS:
Temp: 15 Method: T3
pH: 7.8 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 50 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: C Subdom: F
D95: 35.0 D (cm): 0.10 Morph: RP
Pattern: IR
Islands: N
Coupling: DC
Confinement: UN
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
Rearing Habitat	Rearing values are limited due to the poor access throughout the reach
Other	No spawning or overwintering habitat present.

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 6 F: 4	STD	U	Upstream photo showing alpine surroundings
R: 6 F: 5	STD	D	Downstream photo showing instream vegetation between pools

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-313700-71700-36000-0000-0000-000-000-000-000-000-000	3.0			128

COMMENTS	
Section	**Comments**
SITE CARD	Fish form 30504
CHANNEL	No fish present. Barriers downstream prevent upstream fish migration
CHANNEL	S6 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-313700-71700-36000-0000-0000-000-000-000-000-000-000 3.0

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-313700-71700-36000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 3 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/01 To: 2000/08/01 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
128	103I.098	61219		EF 1	15	50	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
128	EF 1	1	2000/08/01	14:50	2000/08/01	15:07	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
128	EF 1	1	O	81	40.0	1.0	400	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #128, Downstream photo showing instream vegetation between pools
Roll #6, Frame #5, Date: 2000/08/01

Site #128, Upstream photo showing alpine surroundings
Roll #6, Frame #4, Date: 2000/08/01

Stream Reach/Site Summary Report

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103I.098	10879

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** 103I.098 **ILP #:** 10879

REACH

Reach #: 1.0 **UTM(Zone/East/North):** 9.528979.6087659 **Sample Type:** R

Length (km): .73 **Gradient (%):** 20.27 **US Elev (m):** 1450 **Order:** 1 **Magnitude:** 1

Confinement: CO **Coupling:** CO **Open water:** A **BGC Zone:** AT

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** S **Landuse:** NO

SITE

Site #: 129 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	528695	6087293

Date: 2000/08/01 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	0.00	0	0	0
Wetted Width (m):	0.00	0	0	0
Wb Depth (m):	0.00	0	0	0

	Avg %	Min %	Max %	#
Gadient %:	4.00	4	4	1
Pool Depth (m):	0.00	0	0	0

Stage: L ☐ M ☐ H ☐ **Temp (C):** **pH:** **Cond.:** **Turb.:** ☐ T ☐ M ☐ L ☐ C

MORPHOLOGY

Bed Material: **Dominant:** **Subdom:**

D95: **D (cm):**

Pattern: **Islands:**

Coupling: **Confinement:**

Morph:

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

LWD: **DIST:** **INSTREAM VEG:** N ☐ A ☐ M ☐ V ☐

RB SHP: **Texture:** ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** **STG:**

LB SHP: **Texture:** ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** **STG:**

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103I.098	10879	129

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103I.098 ILP #: 10879 NID Map #: 103I.098 NID #: 61229 Reach #: 1.0 Site #: 129

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: GE	Access: H
	9 528695 6087293	Ref. Name:		

Date: 2000/08/01 Time: 15:00 Agency: C172 Crew: BW/KT Fish Crd?: ☐ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):												0.00
Wetted Width (m):												0.00
Pool Depth (m):												0.00

	Gadient %		Mtd	Avg
Method I:		4.0	GE	4.00
Method II:				

Wb Depth: Avg: 0.00 Method: Stage: L☐ M☐ H☐
No Vis.Ch.: ☑ Intermittent: ☐ Dw: ☐ Tribs.: ☐

COVER Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐

CROWN CLOSURE

INSTREAM VEG: N☐ A☐ M☐ V☐

LWD: DIST:

LB SHP:
Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP:
STG:

RB SHP:
Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP:
STG:

WATER

EMS: Req #:
Temp: Method: Cond.: Method:
pH: Method: Turb.: ☐ T ☐ M ☐ L ☐ C Method:
Flood Signs: Method:

MORPHOLOGY

Bed Material: Dominant: Subdom:
D95: D (cm): Morph
Pattern:
Islands:
Coupling:
Confinement:
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
Other	No visible channel. Not a stream. No potential fish habitat

COMMENTS

Section	Comments
SITE CARD	No photos taken
CHANNEL	NVC

Stream Reach/Site Summary Report

Reach # ILP Map # ILP #

Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000 7.0

STREAM REFERENCING

Gazetted Name: QUILL CREEK **Local Name:** Quill Creek

Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 7.0 **UTM(Zone/East/North):** 9.525941.6088669 **Sample Type:** B

Length (km): 2.96 **Gradient (%):** 4.76 **US Elev (m):** 843 **Order:** 4 **Magnitude:** 24

Confinement: CO **Coupling:** CO **Open water:** A **BGC Zone:** CWH

Islands: N **Bars:** ☐ N ☑ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 130 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	526266	6089188

Date: 2000/08/01 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	17.10	12.4	22.3	6
Wetted Width (m):	10.33	5.800	15.2	6
Wb Depth (m):	0.80	0.7	0.9	3

	Avg %	Min %	Max %	#
Gadient %:	4.25	4	5	4
Pool Depth (m):	0.41	0.35	0.550	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 8 **pH:** 7.4 **Cond.:** 45 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: B Subdom: C

D95: 110.00 D (cm): 50.00

Pattern: IR Islands: N

Coupling: PC Confinement: FC

Morph: CP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	T	D	N	T	N	N
Loc: P/S/O:	☐☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE 1 1-20%

LWD: F **DIST:** E **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: S **Texture:** ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A **RIP:** M **STG:** YF

LB SHP: S **Texture:** ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A **RIP:** M **STG:** YF

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)			
103I.098	71072	F	3.0	NS	0	NS	R: 6 F: 8	L: #:	9	526367	6089405	GIS

Comments:

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
130	*EF*	1	80	363 sec	300	NFC	0		

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
7.0			130

Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER **Project Code:** 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: QUILL CREEK **Local Name:** Quill Creek
Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: **ILP #:** **NID Map #:** 103I.098 **NID #:** 61072 **Reach #:** 7.0 **Site #:** 130

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)
	9 526266 6089188

Site Lg: 100 **Method:** HC **Access:** H
Ref. Name:
Date: 2000/08/01 **Time:** 15:20 **Agency:** C172 **Crew:** BW/KT **Fish Crd?:** ☑ **Incomplete:** ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	18.40	22.30	17.10	12.40	14.30	18.10					17.10
Wetted Width (m):	T	15.20	13.10	14.40	7.30	5.80	6.20					10.33
Pool Depth (m):	MS	0.42	0.35	0.55	0.40	0.40	0.35					0.41

	Gadient %		Mtd	Avg
Method I:	4.0	5.0	C	4.25
Method II:	4.0	4.0	C	

Wb Depth:	.8	.7	.9

Avg: 0.80 **Method:** MS **Stage:** L☐ M☑ H☐
No Vis.Ch.: ☐ **Intermittent:** ☐ **Dw:** ☐ **Tribs.:** ☐

COVER Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	T	D	N	T	N	N
Loc: P/S/O:	☐☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐

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: YF

RB SHP: S
Texture: ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A
RIP: M
STG: YF

WATER

EMS:
Temp: 8 Method: T3
pH: 7.4 Method: P2
Flood Signs: NONE Method: GE
Req #:
Cond.: 45 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: **Dominant:** B **Subdom:** C
D95: 110.0 **D (cm):** 50.00 **Morph:** CP
Pattern: IR
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 (Zone/East/North/Method)
103I.098	71072	F	3.0	NS	0	NS	R: 6 F: 8	L: #:	9 526367 6089405 GIS

Comments:

HABITAT QUALITY

Name	Comments
OverWinter Habitat	Overwintering habitat is present in limited quantities
Rearing Habitat	Rearing habitat is limited due to high velocity and limited cover
Spawning Habitat	Low value spawning habitat due to lack of gravels

PHOTOS

Photo	Foc Lg	Dir	Comments

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
7.0			130

Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000

Photo				Foc Lg	Dir	Comments
R:	6	F:	6	STD	D	Downstream photo showing an increasing confinement as the stream enters a short canyon
R:	6	F:	7	STD	U	Upstream photo showing the high velocity characteristic of this reach
R:	6	F:	8	STD	U	Upstream photo of a 3 m falls

COMMENTS

Section	Comments
SITE CARD	30506
CHANNEL	No fish present upstream of downstream barriers
CHANNEL	S5 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000 7.0

WATERBODY

Gazetted Name: QUILL CREEK Local: Quill Creek

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 7 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/01 To: 2000/08/01 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
130	103I.098	61072		EF 1	8	45	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
130	EF 1	1	2000/08/01	15:20	2000/08/01	15:40	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
130	EF 1	1	O	363	80.0	3.0	300	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #130, Upstream photo of a 3 m falls
Roll #6, Frame #8, Date: 2000/08/01

Site #130, Upstream photo showing the high velocity characteristics of this reach
Roll #6, Frame #7, Date: 2000/08/01

Site #130, Downstream photo showing an increasing confinement as the stream enters a short canyon
Roll #6, Frame #6, Date: 2000/08/01

Stream Reach/Site Summary Report

	Reach #	ILP Map #	ILP #
Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000	3.0		

STREAM REFERENCING

Gazetted Name: QUILL CREEK **Local Name:** Quill Creek

Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 3.0 **UTM(Zone/East/North):** 9.534207.6089389 **Sample Type:** B

Length (km): 3.67 **Gradient (%):** 4.63 **US Elev (m):** 464 **Order:** 5 **Magnitude:** 77

Confinement: CO **Coupling:** CO **Open water:** A **BGC Zone:** CWH

Islands: N **Bars:** ☐ N ☑ SIDE ☐ DIAG ☑ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 131 **Site Lg (m):** 200

GIS UTM(Zone/East/North)		
9	534519	6089189

Date: 2000/08/01 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	25.33	20	30	6
Wetted Width (m):	11.17	8	15	6
Wb Depth (m):	1.33	1	1.5	3

	Avg %	Min %	Max %	#
Gadient %:	6.50	6	7	4
Pool Depth (m):	1.02	0.800	1.5	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 8 **pH:** 7.4 **Cond.:** 45 **Turb.:** ☐ T ☐ M ☑ L ☐ C

MORPHOLOGY

Bed Material: Dominant: B Subdom: C

D95: 120.00 D (cm): 35.00

Pattern: IR Islands: N

Coupling: CO Confinement: CO

Morph: CP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M **FSZ:** ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	T	D	N	D	T	N
Loc: P/S/O:	☐☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☐☐☐

CROWN CLOSURE

2 21-40%

LWD: F **DIST:** C **INSTREAM VEG:** N ☐ A ☐ M ☐ V ☐

RB SHP: S **Texture:** ☐ F ☐ G ☐ C ☑ B ☐ R ☐ A **RIP:** C **STG:** MF

LB SHP: S **Texture:** ☐ F ☐ G ☐ C ☑ B ☐ R ☐ A **RIP:** C **STG:** MF

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo		AirPhoto		UTM (Zone/East/North/Method)			
103I.098	71068	F	8.0	GE	0	GE	R:	F:	L:	#:	9	534395	6089238	GIS

Comments:

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
131	*EF*	1	60	385 sec	300	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-313700-00000-00000-0000-0000-000-000-000-000-000-000	3.0			131

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: QUILL CREEK Local Name: Quill Creek
Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103I.098 NID #: 61068 Reach #: 3.0 Site #: 131

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 200	Method: HC	Access: H
	9 534519 6089189	Ref. Name:		

Date: 2000/08/01 Time: 16:10 Agency: C172 Crew: BW/KT Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	GE	25.00	20.00	25.00	30.00	27.00	25.00					25.33
Wetted Width (m):	GE	12.00	10.00	8.00	15.00	10.00	12.00					11.17
Pool Depth (m):	GE	1.00	1.50	1.00	0.80	1.00	0.80					1.02

	Gadient %		Mtd	Avg
Method I:	7.0	6.0	C	6.50
Method II:	7.0	6.0	C	

Wb Depth:	1.5	1.0	1.5

Avg: 1.33 Method: GE Stage: L☐ M☑ H☐

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

COVER Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	T	D	N	D	T	N
Loc: P/S/O:	☐☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
2 21-40%
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 #:
Temp: 8 Method: T3 Cond.: 45 Method: S4
pH: 7.4 Method: P2 Turb.: ☐ T ☐ M ☑ L ☐ C Method: GE
Flood Signs: NONE Method: GE

MORPHOLOGY

Bed Material: Dominant: B Subdom: C
D95: 120.0 D (cm): 35.00 Morph: CP
Pattern: IR
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

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)
103I.098	71068	F	8.0	GE	0	GE	R: F:	L: #:	9 534395 6089238 GIS

Comments:

HABITAT QUALITY

Name	Comments
OverWinter Habitat	Overwintering habitat is abundant
Spawning Habitat	Poor spawning habitat due to large substrates
Rearing Habitat	Moderate rearing habitat. Moderate cover

PHOTOS

Photo	Foc Lg	Dir	Comments

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
3.0			131

Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000

Photo				Foc Lg	Dir	Comments
R:	6	F:	10	STD	U	Upstream photo of a cascade section of stream
R:	6	F:	11	STD	D	Downstream photo showing confinement

COMMENTS

Section	Comments
SITE CARD	Fish form 30503
CHANNEL	No fish present above barriers located downstream
CHANNEL	S5 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000 3.0

WATERBODY

Gazetted Name: QUILL CREEK **Local:** Quill Creek
Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0
WS Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000
Waterbody ID: **ILP Map #:** **ILP #:** **Reach #:** 3 -
Project ID: 3476 **Lake/Stream:** S **Lake From Date:**

Fish Permit #: 25350K **Date:** 2000/08/01 **To:** 2000/08/01 **Agency:** C172 **Crew:** BW/KT **Resample:** ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment
131	103I.098	61068					EF	1	8	45	L	

A. GEAR SETTINGS

Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
131	EF	1	1	2000/08/01	16:10	2000/08/01	16:36	

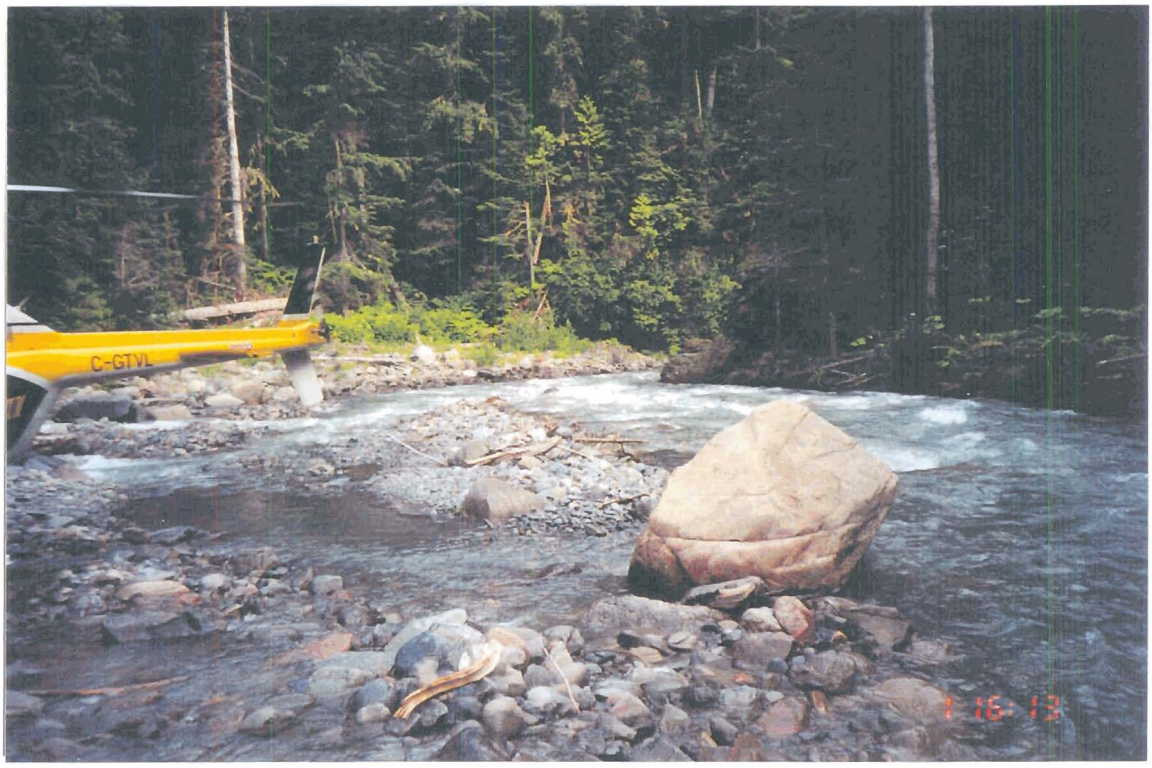
C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
131	EF	1	1	O	385	60.0	4.0	300	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #131, Upstream photo of a cascade section of stream
Roll #6, Frame #10, Date: 2000/08/01



Site #131, Downstream photo showing confinement
Roll #6, Frame #11, Date: 2000/08/01

Stream Reach/Site Summary Report

Reach #	ILP Map #	ILP #
1.0		

Watershed Code: 400-313700-58800-00000-0000-0000-000-000-000-000-000-000

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 400-313700-58800-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 1.0 **UTM(Zone/East/North):** 9.525521.6091660 **Sample Type:** R

Length (km): .72 **Gradient (%):** 24.17 **US Elev (m):** 881 **Order:** 4 **Magnitude:** 24

Confinement: FC **Coupling:** CO **Open water:** A **BGC Zone:** CWH

Islands: N **Bars:** ☐N ☑SIDE ☐DIAG ☐MID ☐SPAN ☐BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 135 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	526780	6091161

Date: 2000/08/02 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	13.15	7.300	19.20	6
Wetted Width (m):	6.15	5.400	7.300	6
Wb Depth (m):	0.93	0.7	1.1	3

	Avg %	Min %	Max %	#
Gadient %:	4.50	3	6	4
Pool Depth (m):	0.28	0.150	0.400	6

Stage: L☐ M☑ H☐ **Temp (C):** 5 **pH:** 6.6 **Cond.:** 40 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: C Subdom: B **Bars:** ☐ N ☑ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR

D95: 65.00 D (cm): 25.00

Pattern: SI Islands: N

Coupling: PC Confinement: FC

Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: T **FSZ:** ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	T	D	N	T	S	N
Loc: P/S/O:	☐☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☐☐☐

CROWN CLOSURE 1 1-20%

LWD: F **DIST:** E **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: S **Texture:** ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A **RIP:** M **STG:** PS

LB SHP: S **Texture:** ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A **RIP:** M **STG:** PS

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)
103I.098	71270	F	4.0	GE	0	GE	R: F:	L: #:	9 526679 6091431 GIS

Comments:

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
135	*EF*	1	100	608 sec	400	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-313700-58800-00000-0000-0000-000-000-000-000-000-000	1.0			135

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER Project Code: 3476
Project Watershed Code:

WATERSHED

Gazetted Name: Local Name: None
Watershed Code: 400-313700-58800-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103I.098 NID #: 61270 Reach #: 1.0 Site #: 135

Field UTM(Zone/East/North/Method)			GIS UTM(Zone/East/North)		
			9	526780	6091161

Site Lg: 100 Method: HC Access: H
Ref. Name:

Date: 2000/08/02 Time: 07:50 Agency: C172 Crew: BW/KT Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	18.40	19.20	7.30	14.10	9.90	10.00					13.15
Wetted Width (m):	T	6.40	5.40	7.30	6.30	5.40	6.10					6.15
Pool Depth (m):	MS	0.20	0.30	0.35	0.15	0.26	0.40					0.28

	Gadient %		Mtd	Avg
Method I:	3.0	6.0	C	4.50
Method II:	6.0	3.0	C	

Wb Depth:	1.1	1.0	.7

Avg: 0.93 Method: MS Stage: L ☐ M ☑ H ☐
No Vis.Ch.: ☐ Intermittent: ☐
Dw: ☐ Tribs.: ☐

COVER Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	T	D	N	T	S	N
Loc: P/S/O:	☐☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☐☐☐

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: PS

RB SHP: S
Texture: ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A
RIP: M
STG: PS

WATER

EMS:
Temp: 5 Method: T3
pH: 6.6 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 40 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: C Subdom: B
D95: 65.0 D (cm): 25.00 Morph: RP
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 (Zone/East/North/Method)
103I.098	71270	F	4.0	GE	0	GE	R: F:	L: #:	9 526679 6091431 GIS

Comments:

HABITAT QUALITY

Name	Comments
OverWinter Habitat	Overwintering habitat is limited by the number of deep pools
Rearing Habitat	Low value salmonid rearing habitat limited by high water velocity
Spawning Habitat	Low value salmonid spawning habitat limited by cobble/boulder substrate

PHOTOS

Photo	Foc Lg	Dir	Comments

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
1.0			135

Watershed Code: 400-313700-58800-00000-0000-0000-000-000-000-000-000-000

Photo				Foc Lg	Dir	Comments
R:	6	F:	12	STD	U	Upstream photo showing downed timber caused by an avalanche
R:	6	F:	13	STD	D	Downstream photo showing boulder cobble substrates

COMMENTS

Section	Comments
SITE CARD	Fish form 30483
CHANNEL	No fish present above downstream barriers
CHANNEL	S5 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-313700-58800-00000-0000-0000-000-000-000-000-000-000 1.0

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-313700-58800-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 1 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/02 To: 2000/08/02 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
135	103I.098	61270		EF 1	5	40	C	

A. GEAR SETTINGS

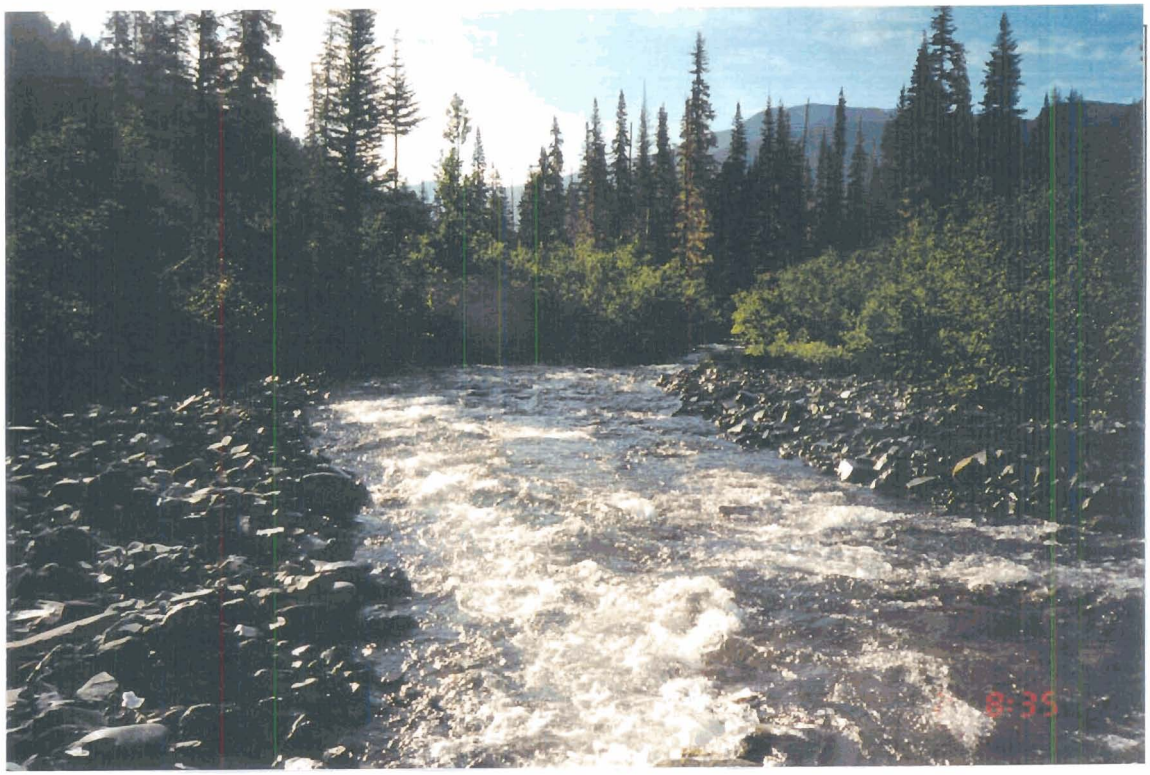
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
135	EF 1	1	2000/08/02	07:50	2000/08/02	08:15	

C. ELECTROFISHER SPECIFICATIONS

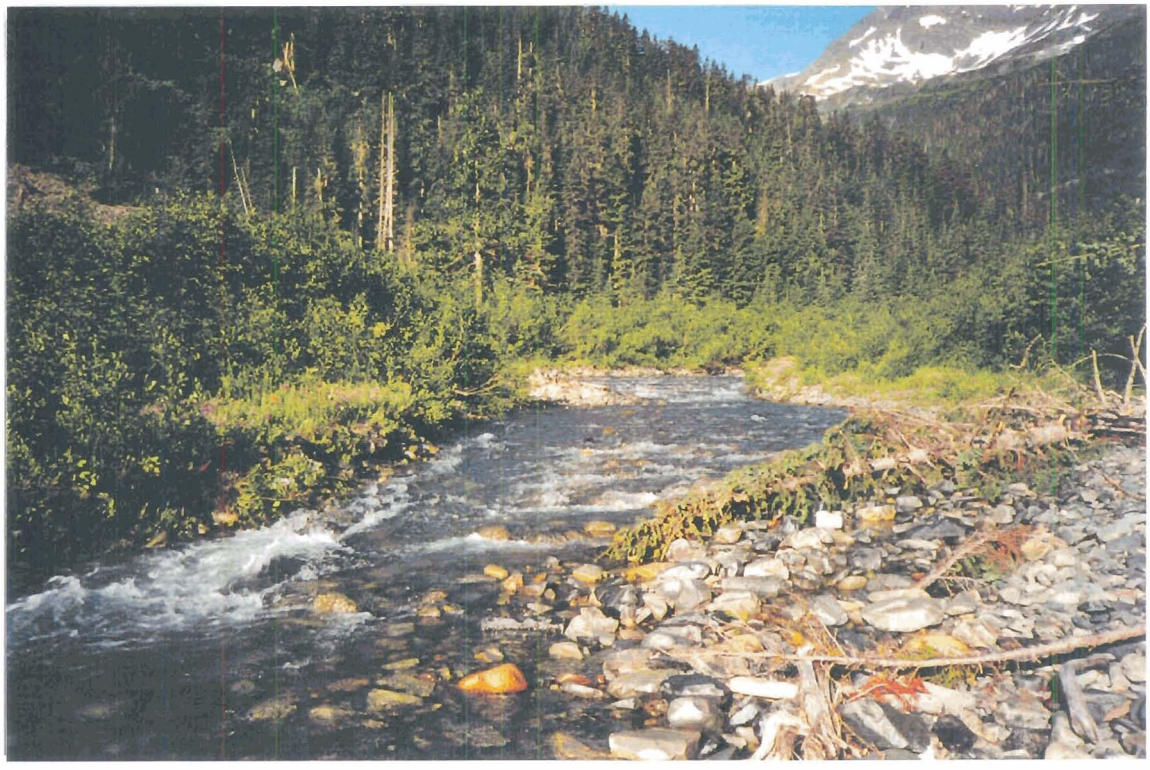
Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
135	EF 1	1	O	608	100.0	5.0	400	60	6	SMITH ROOT	12B

FISH SUMMARY

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



Site #135, Downstream photo showing boulder cobble substrates
Roll #6, Frame #13, Date: 2000/08/02



Site #135, Upstream photo showing downed timber caused by an avalanche
Roll #6, Frame #12, Date: 2000/08/02

Stream Reach/Site Summary Report

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103I.098	10834

STREAM REFERENCING

Gazetted Name: Local Name: None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 ILP Map #: 103I.098 ILP #: 10834

REACH

Reach #: 1.0 UTM(Zone/East/North): 9.535154.6094982 Sample Type: R

Length (km): .39 Gradient (%): 17.69 US Elev (m): 1257 Order: 1 Magnitude: 1

Confinement: FC Coupling: PC Open water: A BGC Zone: AT

Islands: N Bars: ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR Riparian Veg.: S Landuse: NO

SITE

Site #: 136 Site Lg (m): 100

GIS UTM(Zone/East/North)		
9	535004	6094649

Date: 2000/08/02 Agency: C172 Crew: BW/KT

Ref. Name:

CHANNEL

No Vis.Ch.: ☐ Intermittent: ☐

Dw: ☐ Tribs.: ☐

	Avg	Min	Max	#
Channel Width (m):	0.98	0.7	1.700	6
Wetted Width (m):	0.98	0.7	1.700	6
Wb Depth (m):	0.27	0.2	0.3	3

	Avg %	Min %	Max %	#
Gadient %:	7.50	7	8	4
Pool Depth (m):	0.11	0.050	0.25	6

Stage: L ☐ M ☑ H ☐ Temp (C): 4 pH: 7.6 Cond.: 25 Turb.: ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: G Subdom: C

D95: 25.00 D (cm): 10.00

Pattern: SI Islands: N

Coupling: PC Confinement: FC

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	T	T	D	N	T	N
P/S/O:	☐☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

1 1-20%

LWD: F DIST: E INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

RB SHP: S Texture: ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A RIP: M STG: SHR

LB SHP: S Texture: ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A RIP: M STG: SHR

FISH

Site Number	Capture Method	Number of Events	Total Length (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
136	EF	1	80	255 sec	400	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103I.098	10834	136

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER **Project Code:** 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: **Local Name:** None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103I.098 **ILP #:** 10834 **NID Map #:** 103I.098 **NID #:** 61037 **Reach #:** 1.0 **Site #:** 136

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)		
	9	535004	6094649

Site Lg: 100 **Method:** HC **Access:** H
Ref. Name:
Date: 2000/08/02 **Time:** 08:30 **Agency:** C172 **Crew:** BW/KT **Fish Crd?:** ☑ **Incomplete:** ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	MS	1.70	1.30	0.80	0.70	0.70	0.70					0.98
Wetted Width (m):	MS	1.70	1.30	0.80	0.70	0.70	0.70					0.98
Pool Depth (m):	MS	0.25	0.05	0.14	0.05	0.05	0.10					0.11

	Gadient %		Mtd	Avg
Method I:	8.0	7.0	C	7.50
Method II:	8.0	7.0	C	

Wb Depth:	.3	.2	.3

Avg: 0.27 **Method:** MS **Stage:** L ☐ M ☑ H ☐
No Vis.Ch.: ☐ **Intermittent:** ☐ **Dw:** ☐ **Tribs.:** ☐

COVER Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	T	T	D	N	T	N
Loc: P/S/O:	☐☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

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: SHR

RB SHP: S
Texture: ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A
RIP: M
STG: SHR

WATER

EMS: **Req #:**
Temp: 4 Method: T3 **Cond.:** 25 Method: S4
pH: 7.6 Method: P2 **Turb.:** ☐ T ☐ M ☐ L ☑ C Method: GE
Flood Signs: NONE Method: GE

MORPHOLOGY

Bed Material: Dominant: G Subdom: C
D95: 25.0 D (cm): 10.00 Morph: RP
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	No overwintering habitat is present
Rearing Habitat	Rearing values are poor due to limited cover
Spawning Habitat	Moderate spawning values-some suitable gravel

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	6	F:	14	STD	U	Upstream photo of riffle/pool habitat meeting a lower gradient section
R:	6	F:	15	STD	D	Downstream photo of a stream flowing through an alpine meadow

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103I.098	10834	136

Section	Comments
SITE CARD	Fish form 30484
CHANNEL	No fish present above downstream barriers
CHANNEL	S6 Stream

FDIS Fish Form

Watershed Code:	000-000000-00000-00000-0000-0000-000-000-000-000-000-000	Reach #	ILP Map #	ILP #
		1.0	103I.098	10834

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: 103I.098 ILP #: 10834 Reach #: 1 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/02 To: 2000/08/02 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
136	103I.098	61037		EF 1	4	25	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
136	EF 1	1	2000/08/02	09:00	2000/08/02	09:25	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
136	EF 1	1	O	255	80.0	1.0	400	60	6	SMITH ROOT	12B

FISH SUMMARY

MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment

FDIS Fish Form

Watershed Code:	000-000000-00000-00000-0000-0000-000-000-000-000-000-000	Reach #	ILP Map #	ILP #
		1.0	103I.098	10834

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: 103I.098 ILP #: 10834 Reach #: 1 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/02 To: 2000/08/02 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
136	103I.098	61037		EF 1	4	25	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
136	EF 1	1	2000/08/02	09:00	2000/08/02	09:25	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
136	EF 1	1	O	255	80.0	1.0	400	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #136, Upstream photo of riffle/pool habitat meeting a lower gradient section
Roll #6, Frame #14, Date: 2000/08/02

Site #136, Downstream photo of a stream flowing through an alpine meadow
Roll #6, Frame #15, Date: 2000/08/02

Stream Reach/Site Summary Report

Reach # ILP Map # ILP #

Watershed Code: 400-313700-34400-00000-0000-0000-000-000-000-000-000-000 6.0

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 400-313700-34400-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 6.0 **UTM(Zone/East/North):** 9.534720.6093501 **Sample Type:** B

Length (km): .62 **Gradient (%):** 6.29 **US Elev (m):** 1149 **Order:** 1 **Magnitude:** 1

Confinement: FC **Coupling:** PC **Open water:** A **BGC Zone:** MH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** C **Landuse:** NO

SITE

Site #: 137 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	534630	6093345

Date: 2000/08/02 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	1.78	1.5	2.1	6
Wetted Width (m):	1.78	1.5	2.1	6
Wb Depth (m):	0.40	0.4	0.4	3

	Avg %	Min %	Max %	#
Gadient %:	4.00	4	4	4
Pool Depth (m):	0.14	0.050	0.200	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 6 **pH:** 7.6 **Cond.:** 30 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: C Subdom: B

D95: 50.00 D (cm): 8.00

Pattern: SI Islands: N

Coupling: PC Confinement: FC

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M **FSZ:** ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	S	D	N	T	T
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐

CROWN CLOSURE 1 1-20%

LWD: N **DIST:** NA **INSTREAM VEG:** N ☐ A ☐ M ☐ V ☑

RB SHP: U **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** SHR

LB SHP: S **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** SHR

FISH

Site Number	Capture Method	Number of Events	Total Length (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
137	EF	1	70	234 sec	400	NFC	0		

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
6.0			137

Watershed Code: 400-313700-34400-00000-0000-0000-000-000-000-000-000-000

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: None
Watershed Code: 400-313700-34400-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103I.098 NID #: 61127 Reach #: 6.0 Site #: 137

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)
	9 534630 6093345

Site Lg: 100 Method: HC Access: H
Ref. Name:
Date: 2000/08/02 Time: 09:40 Agency: C172 Crew: BW/KT Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	MS	1.70	1.90	2.10	1.50	1.70	1.80					1.78
Wetted Width (m):	MS	1.70	1.90	2.10	1.50	1.70	1.80					1.78
Pool Depth (m):	MS	0.20	0.15	0.15	0.20	0.10	0.05					0.14

	Gadient %		Mtd	Avg
Method I:	4.0	4.0	C	4.00
Method II:	4.0	4.0	C	

Wb Depth:	.4	.4	.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	S	D	N	T	T
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐

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: C
STG: SHR

RB SHP: U
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: C
STG: SHR

WATER

EMS:
Temp: 6 Method: T3
pH: 7.6 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 30 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: C Subdom: B
D95: 50.0 D (cm): 8.00 Morph: RP
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	Overwintering habitat is not present in this stream
Rearing Habitat	Moderate rearing values are limited due to moderate cover
Spawning Habitat	Spawning values for salmonids are limited due to the large substrate size

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 6 F: 16	STD	D	Downstream photo showing moderate rearing habitat
R: 6 F: 17	STD	U	Upstream photo of the lake outlet

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	400-313700-34400-00000-0000-0000-000-000-000-000-000-000	Reach # 6.0	ILP Map #	ILP #	Site 137

Section	Comments
SITE CARD	Fish form 30482
CHANNEL	No fish present
CHANNEL	S6 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-313700-34400-00000-0000-0000-000-000-000-000-000-000 6.0

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-313700-34400-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 6 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/02 To: 2000/08/02 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
137	103I.098	61127		EF 1	6	30	C	

A. GEAR SETTINGS

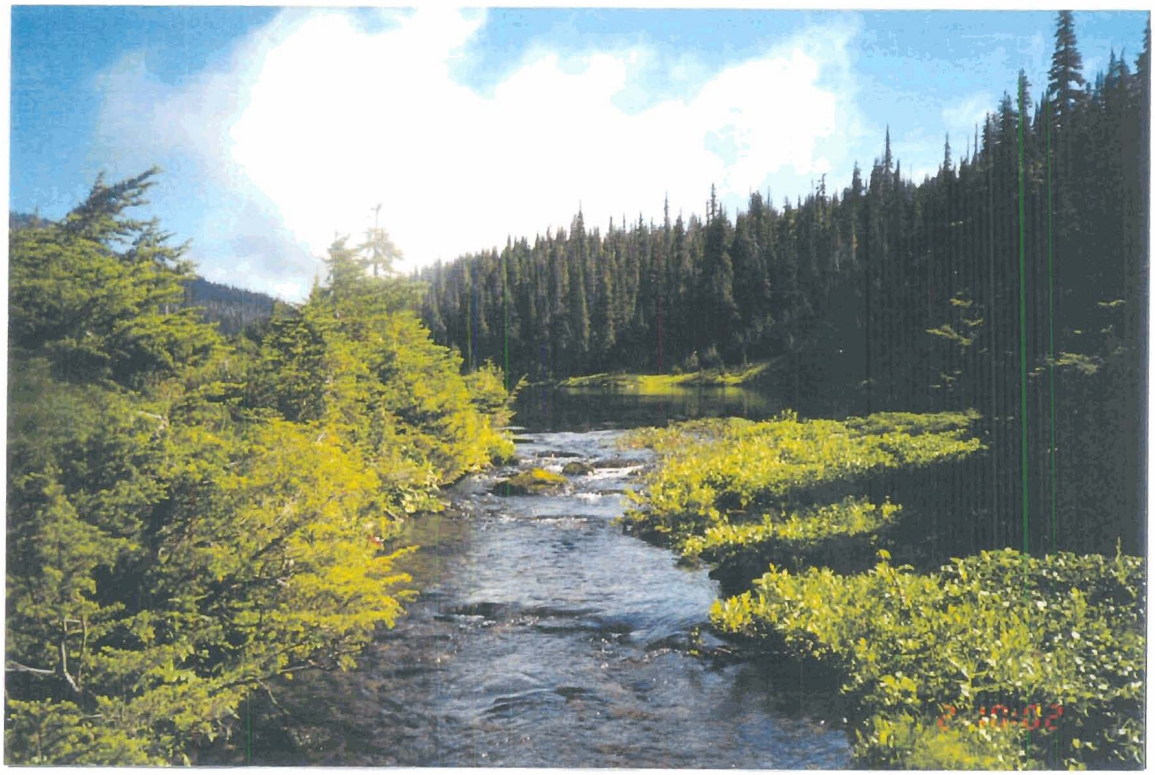
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
137	EF 1	1	2000/08/02	09:40	2000/08/02	09:59	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
137	EF 1	1	O	234	70.0	1.5	400	60	6	SMITH ROOT	12B

FISH SUMMARY

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



Site #137, Upstream photo of the lake outlet
Roll #6, Frame #17, Date: 2000/08/02

Site #137, Downstream photo showing moderate rearing habitat
Roll #6, Frame #16, Date: 2000/08/02

Stream Reach/Site Summary Report

Reach # ILP Map # ILP #

Watershed Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000 9.0

STREAM REFERENCING

Gazetted Name: INSECT CREEK **Local Name:** Insect Creek

Watershed Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 9.0 **UTM(Zone/East/North):** 9.527685.6097975 **Sample Type:** B

Length (km): 3.37 **Gradient (%):** 5.37 **US Elev (m):** 793 **Order:** 4 **Magnitude:** 53

Confinement: CO **Coupling:** CO **Open water:** A **BGC Zone:** CWH

Islands: N **Bars:** ☐N ☑SIDE ☐DIAG ☑MID ☐SPAN ☐BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 138 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	528419	6098164

Date: 2000/08/02 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	31.50	25	42	6
Wetted Width (m):	20.67	18	24	6
Wb Depth (m):	0.83	0.6	1	3

	Avg %	Min %	Max %	#
Gadient %:	6.00	6	6	4
Pool Depth (m):	0.63	0.200	1	6

Stage: L☐ M☑ H☐ **Temp (C):** 9 **pH:** 7.4 **Cond.:** 50 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: C Subdom: G

D95: 60.00 D (cm): 20.00

Pattern: SI Islands: O

Coupling: CO Confinement: FC

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M **FSZ:** ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	D	T	T	S	S	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐

CROWN CLOSURE 2 21-40%

LWD: A **DIST:** C **INSTREAM VEG:** N ☐ A ☐ M ☐ V ☐

RB SHP: S **Texture:** ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** MF

LB SHP: S **Texture:** ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** MF

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo				AirPhoto				UTM (Zone/East/North/Method)			
103P.008	70759	F	8.0	AE	0	AE	R:	6	F:	9	L:		#:		9	528128	6098037	GIS

Comments:

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
138	*EF*	1	200	720 sec	400	NFC	0		

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
9.0			138

Watershed Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER **Project Code:** 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: INSECT CREEK **Local Name:** Insect Creek
Watershed Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: **ILP #:** **NID Map #:** 103P.008 **NID #:** 60759 **Reach #:** 9.0 **Site #:** 138

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)
	9 528419 6098164

Site Lg: 100 **Method:** HC **Access:** H
Ref. Name:
Date: 2000/08/02 **Time:** 10:30 **Agency:** C172 **Crew:** BW/KT **Fish Crd?:** ☑ **Incomplete:** ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	26.00	32.00	36.00	25.00	28.00	42.00					31.50
Wetted Width (m):	T	21.00	18.00	24.00	20.00	18.00	23.00					20.67
Pool Depth (m):	MS	0.80	0.70	0.80	1.00	0.30	0.20					0.63

	Gadient %		Mtd	Avg
Method I:	6.0	6.0	C	6.00
Method II:	6.0	6.0	C	

Wb Depth:	.9	1.0	.6

Avg: 0.83 **Method:** MS **Stage:** L ☐ M ☑ H ☐
No Vis.Ch.: ☐ **Intermittent:** ☐ **Dw:** ☐ **Tribs.:** ☐

COVER Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	D	T	T	S	S	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐

CROWN CLOSURE 2 21-40%
INSTREAM VEG: N ☐ A ☐ M ☐ V ☐

LWD: A **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 #:**
Temp: 9 Method: T3 **Cond.:** 50 Method: S4
pH: 7.4 Method: P2 **Turb.:** ☐ T ☐ M ☐ L ☑ C Method: GE
Flood Signs: NONE Method: GE

MORPHOLOGY

Bed Material: Dominant: C Subdom: G
D95: 60.0 D (cm): 20.00 Morph: RP
Pattern: SI
Islands: O
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 (Zone/East/North/Method)			
103P.008	70759	F	8.0	AE	0	AE	R:	6	F:	9	L:		#:		9	528128	6098037	GIS

Comments:

HABITAT QUALITY

Name	Comments
Other	Overwintering and spawning habitat present but in limited quantities
Rearing Habitat	Moderate rearing habitat for salmonids limited by high velocity and moderate amount of cover

PHOTOS

Photo	Foc Lg	Dir	Comments

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
9.0			138

Watershed Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	6	F:	18	STD	D	Downstream photo of LWD cover
R:	6	F:	19	STD	U	Upstream photo of the active stream bed
R:	6	F:	9	STD	U	Upstream photo of an 8 m falls

COMMENTS

Section	Comments
SITE CARD	Fish form 30481
CHANNEL	Falls (6 m) located downstream prevent upstream fish migration
CHANNEL	S5 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000 9.0

WATERBODY

Gazetted Name: INSECT CREEK Local: Insect Creek
Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0
WS Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000
Waterbody ID: ILP Map #: ILP #: Reach #: 9 -
Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/02 To: 2000/08/02 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
138	103P.008	60759		EF 1	9	50	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
138	EF 1	1	2000/08/02	10:30	2000/08/02	11:10	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
138	EF 1	1	O	720	200.0	4.0	400	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #138, Downstream photo of LWD cover
Roll #6, Frame #18, Date: 2000/08/02

Site #138, Upstream photo of an 8 m falls
Roll #6, Frame #9, Date: 2000/08/02

Site #138, Upstream photo of the active stream bed
Roll #6, Frame #19, Date: 2000/08/02

Stream Reach/Site Summary Report

	Reach #	ILP Map #	ILP #
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.008	10163

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** 103P.008 **ILP #:** 10163

REACH

Reach #: 1.0 **UTM(Zone/East/North):** 9.528451.6098419 **Sample Type:** R

Length (km): .21 **Gradient (%):** 21.9 **US Elev (m):** 743 **Order:** 3 **Magnitude:** 8

Confinement: OC **Coupling:** CO **Open water:** A **BGC Zone:** CWH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 139 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	528514	6098333

Date: 2000/08/02 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	3.00	2.3	4.300	6
Wetted Width (m):	1.63	1.3	1.8	6
Wb Depth (m):	0.77	0.7	0.8	3

	Avg %	Min %	Max %	#
Gadient %:	5.75	7	7	4
Pool Depth (m):	0.19	0.100	0.400	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 7 **pH:** 7.0 **Cond.:** 45 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: C Subdom: B

D95: 60.00 D (cm): 20.00

Pattern: ST Islands: N

Coupling: PC Confinement: FC

Morph: CP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: T **FSZ:** ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	S	D	N	N	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE

3 41-70%

LWD: F **DIST:** C **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: V **Texture:** ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A **RIP:** C **STG:** MF

LB SHP: V **Texture:** ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A **RIP:** C **STG:** MF

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
139	*EF*	1	50	210 sec	400	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.008	10163	139

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: Local Name: None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103P.008 ILP #: 10163 NID Map #: 103P.008 NID #: 60744 Reach #: 1.0 Site #: 139

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: H
	9 528514 6098333	Ref. Name:		

Date: 2000/08/02 Time: 11:10 Agency: C172 Crew: BW/KT Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	MS	4.30	3.60	2.70	2.30	2.40	2.70					3.00
Wetted Width (m):	MS	1.70	1.80	1.80	1.80	1.40	1.30					1.63
Pool Depth (m):	MS	0.20	0.15	0.20	0.10	0.10	0.40					0.19

	Gadient %		Mtd	Avg
Method I:	7.0	7.0	C	5.75
Method II:	4.0	5.0	C	

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

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

COVER Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	S	D	N	N	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
3 41-70%
INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: F DIST: C

LB SHP: V
Texture: ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A
RIP: C
STG: MF

RB SHP: V
Texture: ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A
RIP: C
STG: MF

WATER

EMS: Req #:
Temp: 7 Method: T3 Cond.: 45 Method: S4
pH: 7.0 Method: P2 Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE
Flood Signs: NONE Method: GE

MORPHOLOGY

Bed Material: Dominant: C Subdom: B
D95: 60.0 D (cm): 20.00 Morph: CP
Pattern: ST
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	No overwintering habitat exists
Rearing Habitat	Rearing values are poor due to limited cover
Spawning Habitat	Spawning values are poor due to large substrate size

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	6	F:	20	STD	U	Upstream photo of a straight channel
R:	6	F:	21	STD	D	Downstream photo of clumped LWD

COMMENTS

Section	Comments

FDIS Site Card

		Reach #	ILP Map #	ILP #	Site
Watershed Code:	000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.008	10163	139

Section	Comments
SITE CARD	Fish form 30479
CHANNEL	Falls (6 m) downstream on Insect Creek prevent fish access to this stream
CHANNEL	S5 Stream

FDIS Fish Form

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.008	10163

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: 103P.008 ILP #: 10163 Reach #: 1 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/02 To: 2000/08/02 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
139	103P.008	60744		EF 1	7	45	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
139	EF 1	1	2000/08/02	11:20	2000/08/02	11:40	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
139	EF 1	1	O	210	50.0	2.0	400	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #139, Upstream photo of a straight channel.
Roll #6, Frame #20, Date: 2000/08/02

Site #139, Downstream photo of clumped LWD
Roll #6, Frame #21, Date: 2000/08/02

Stream Reach/Site Summary Report

Reach # ILP Map # ILP #

Watershed Code: 400-324400-75200-00000-0000-0000-000-000-000-000-000-000 5.0

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 400-324400-75200-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 5.0 **UTM(Zone/East/North):** 9.528773.6095528 **Sample Type:** R

Length (km): .94 **Gradient (%):** 5.53 **US Elev (m):** 1268 **Order:** 3 **Magnitude:** 8

Confinement: OC **Coupling:** PC **Open water:** P **BGC Zone:** AT

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** S **Landuse:** NO

SITE

Site #: 140 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	528821	6096126

Date: 2000/08/02 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	6.17	3.8	7.300	6
Wetted Width (m):	3.12	2.200	4	6
Wb Depth (m):	0.77	0.7	0.8	3

	Avg %	Min %	Max %	#
Gadient %:	25.50	21	32	4
Pool Depth (m):	0.08	0.050	0.150	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 4 **pH:** 6.2 **Cond.:** 20 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: B Subdom: C

D95: 200.00 D (cm): 60.00

Pattern: SI Islands: N

Coupling: CO Confinement: CO

Morph: CP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	D	N	N	N	N
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

1 1-20%

LWD: N DIST: NA INSTREAM VEG: N ☐ A ☐ M ☐ V ☐

RB SHP: V Texture: ☐ F ☐ G ☐ C ☑ B ☐ R ☐ A RIP: C STG: PS

LB SHP: V Texture: ☐ F ☐ G ☐ C ☑ B ☐ R ☐ A RIP: C STG: PS

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo				AirPhoto				UTM (Zone/East/North/Method)			
103P.008	70725	F	10.0	GE	0	GE	R:	6	F:	22	L:		#:		9	528832	6097613	GIS
Comments:																		
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo				AirPhoto				UTM (Zone/East/North/Method)			
103P.008	70725	F	10.0	GE	0	GE	R:	6	F:	23	L:		#:		9	528832	6097613	GIS
Comments:																		

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
140	*EF*	1	100	185 sec	500	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-324400-75200-00000-0000-0000-000-000-000-000-000-000	5.0			140

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: None
Watershed Code: 400-324400-75200-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103P.008 NID #: 60725 Reach #: 5.0 Site #: 140

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)
	9 528821 6096126

Site Lg: 100 Method: HC Access: H
Ref. Name:
Date: 2000/08/02 Time: 12:00 Agency: C172 Crew: BW/KT Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	7.30	5.40	3.80	7.10	6.40	7.00					6.17
Wetted Width (m):	T	3.00	3.10	2.70	2.20	3.70	4.00					3.12
Pool Depth (m):	MS	0.10	0.15	0.10	0.05	0.05	0.05					0.08

	Gadient %		Mtd	Avg
Method I:	32.0	21.0	C	25.50
Method II:	26.0	23.0	C	

Wb Depth:	.7	.8	.8

Avg: 0.77 Method: MS Stage: L ☐ M ☑ H ☐
No Vis.Ch.: ☐ Intermittent: ☐
Dw: ☐ Tribs.: ☐

COVER Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	D	N	N	N	N
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐

CROWN CLOSURE
1 1-20%
INSTREAM VEG: N ☐ A ☐ M ☐ V ☐

LWD: N DIST: NA

LB SHP: V
Texture: ☐ F ☐ G ☐ C ☑ B ☐ R ☐ A
RIP: C
STG: PS

RB SHP: V
Texture: ☐ F ☐ G ☐ C ☑ B ☐ R ☐ A
RIP: C
STG: PS

WATER

EMS:
Temp: 4 Method: T3
pH: 6.2 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 20 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: B Subdom: C
D95: 200.0 D (cm): 60.00 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

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo				AirPhoto				UTM (Zone/East/North/Method)			
103P.008	70725	F	10.0	GE	0	GE	R:	6	F:	22	L:		#:		9	528832	6097613	GIS
Comments:																		
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo				AirPhoto				UTM (Zone/East/North/Method)			
103P.008	70725	F	10.0	GE	0	GE	R:	6	F:	23	L:		#:		9	528832	6097613	GIS
Comments:																		

HABITAT QUALITY

Name	Comments
Other	No fish habitat is present in this reach due to high gradient

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
5.0			140

Watershed Code: 400-324400-75200-00000-0000-0000-000-000-000-000-000-000

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	6	F:	22	STD	U	Upstream photo of a 10 m falls
R:	6	F:	23	STD	U	Upstream photo of a 10 m falls
R:	6	F:	24	STD	U	Upstream photo of the stream with snow in the background
R:	8	F:	1	STD	D	Downstream photo of no potential fish habitat

COMMENTS

Section	Comments
SITE CARD	Fish form 16489
CHANNEL	No fish present upstream of the falls located downstream
CHANNEL	S5 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-324400-75200-00000-0000-0000-000-000-000-000-000-000 5.0

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-324400-75200-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 5 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/02 To: 2000/08/02 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment
140	103P.008	60725					EF	1	4	20	C	

A. GEAR SETTINGS

Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
140	EF	1	1	2000/08/02	12:00	2000/08/02	12:20	

C. ELECTROFISHER SPECIFICATIONS

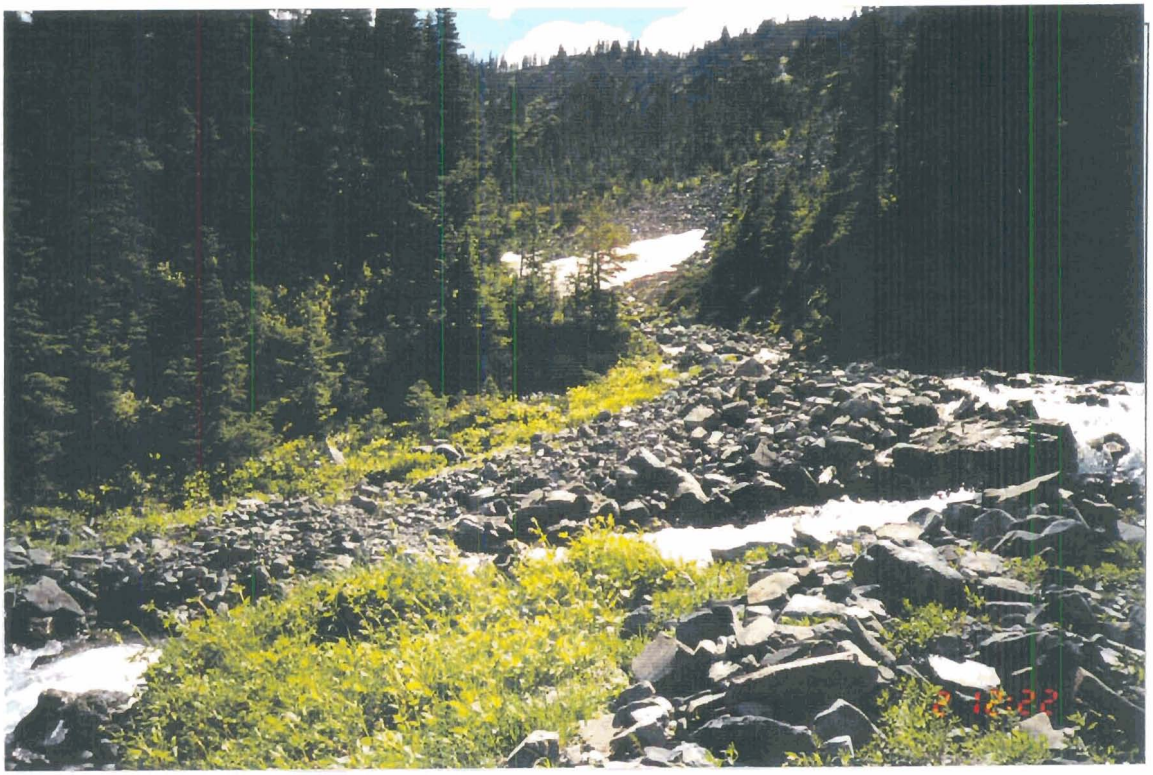
Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
140	EF	1	1	O	185	100.0	2.0	500	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #140, Upstream photo of a 10 m falls.
Roll #6, Frame #22, Date: 2000/08/02

Site #140, Upstream photo of a 10 m falls.
Roll #6, Frame #23, Date: 2000/08/02



Site #140, Upstream photo of the stream with snow in the background
Roll #6, Frame #24, Date: 2000/08/02

Site #140, Downstream photo of no potential fish habitat
Roll #8, Frame #1, Date: 2000/08/02

Stream Reach/Site Summary Report

Reach #	ILP Map #	ILP #
8.0		

Watershed Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000

STREAM REFERENCING

Gazetted Name: INSECT CREEK **Local Name:** Insect Creek

Watershed Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 8.0 **UTM(Zone/East/North):** 9.530331.6099143 **Sample Type:** B

Length (km): 2.85 **Gradient (%):** 5.68 **US Elev (m):** 612 **Order:** 4 **Magnitude:** 64

Confinement: EN **Coupling:** CO **Open water:** A **BGC Zone:** CWH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 141 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	531710	6099640

Date: 2000/08/02 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	20.67	14	27	6
Wetted Width (m):	9.83	4	14	6
Wb Depth (m):	1.33	1	2	3

	Avg %	Min %	Max %	#
Gadient %:	8.50	11	11	4
Pool Depth (m):	0.80	0.45	1.100	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 9 **pH:** 7.4 **Cond.:** 50 **Turb.:** ☐ T ☐ M ☑ L ☐ C

MORPHOLOGY

Bed Material: Dominant: B Subdom: C **Bars:** ☐ N ☑ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR

D95: 300.00 D (cm): 100.00

Pattern: SI Islands: N

Coupling: CO Confinement: CO

Morph: CP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M **FSZ:** ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	D	N	S	N	N
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐

CROWN CLOSURE

1 1-20%

LWD: N **DIST:** NA **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: V **Texture:** ☐ F ☐ G ☐ C ☑ B ☐ R ☐ A **RIP:** M **STG:** MF

LB SHP: V **Texture:** ☐ F ☐ G ☐ C ☑ B ☐ R ☐ A **RIP:** M **STG:** MF

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)			
103P.008	70766	F	6.0	AE	0	AE	R: F:	L: #:	9	531980	6099666	GIS

Comments: Too incised for a photo

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
141	*EF*	1	100	526 sec	500	NFC	0		

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
8.0			141

Watershed Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: INSECT CREEK
Local Name: Insect Creek
Watershed Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103P.008 NID #: 60766 Reach #: 8.0 Site #: 141

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)
	9 531710 6099640

Site Lg: 100 Method: HC Access: H
Ref. Name:
Date: 2000/08/02 Time: 12:45 Agency: C172 Crew: BW/KT Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	GE	20.00	18.00	14.00	25.00	27.00	20.00					20.67
Wetted Width (m):	GE	12.00	10.00	11.00	14.00	8.00	4.00					9.83
Pool Depth (m):	GE	0.80	0.90	0.75	0.45	1.10	0.80					0.80

	Gadient %		Mtd	Avg
Method I:	8.0	11.0	C	8.50
Method II:	5.0	10.0	C	

Wb Depth:	1.0	2.0	1.0

Avg: 1.33 Method: GE Stage: L ☐ M ☑ H ☐
No Vis.Ch.: ☐ Intermittent: ☐
Dw: ☐ Tribs.: ☐

COVER Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	D	N	S	N	N
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐

CROWN CLOSURE
1 1-20%
INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: N DIST: NA

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: 9 Method: T3
pH: 7.4 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 50 Method: S4
Turb.: ☐ T ☐ M ☑ L ☐ C Method: GE

MORPHOLOGY

Bed Material: Dominant: B Subdom: C
D95: 300.0 D (cm): 100.00 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

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)
103P.008	70766	F	6.0	AE	0	AE	R: F:	L: #:	9 531980 6099666 GIS

Comments: Too incised for a photo

HABITAT QUALITY

Name	Comments
Rearing Habitat	Poor rearing habitat due to limited cover
Spawning Habitat	Poor spawning habitat due to fast water and large substrates

PHOTOS

Photo	Foc Lg	Dir	Comments

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
8.0			141

Watershed Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 8 F: 2	STD	U	Upstream photo of a high gradient section of this reach
R: 8 F: 3	STD	D	Downstream photo of large boulders

COMMENTS

Section	Comments
CHANNEL	Fish form 16488
CHANNEL	Falls prevents upstream fish migration
CHANNEL	S5 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000 8.0

WATERBODY

Gazetted Name: INSECT CREEK Local: Insect Creek
Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0
WS Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000
Waterbody ID: ILP Map #: ILP #: Reach #: 8 -
Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/02 To: 2000/08/02 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment
141	103P.008	60766					EF	1	9	50	C	

A. GEAR SETTINGS

Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
141	EF	1	1	2000/08/02	13:00	2000/08/02	13:40	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
141	EF	1	1	O	526	100.0	3.0	500	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #141, Downstream photo of large boulders
Roll #8, Frame #3, Date: 2000/08/02

Site #141, Upstream photo of a high gradient section of this reach
Roll #8, Frame #2, Date: 2000/08/02

Stream Reach/Site Summary Report

Reach # ILP Map # ILP #

Watershed Code: 400-324400-52900-00000-0000-0000-000-000-000-000-000-000 3.0

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 400-324400-52900-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 3.0 **UTM(Zone/East/North):** 9.532566.6103872 **Sample Type:** B

Length (km): 1.54 **Gradient (%):** 7.53 **US Elev (m):** 824 **Order:** 4 **Magnitude:** 46

Confinement: OC **Coupling:** PC **Open water:** A **BGC Zone:** CWH

Islands: N **Bars:** ☑N ☐SIDE ☐DIAG ☐MID ☐SPAN ☐BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 142 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	532538	6103035

Date: 2000/08/02 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	4.98	3.700	6.400	6
Wetted Width (m):	4.50	3.700	5.7	6
Wb Depth (m):	0.67	0.6	0.8	3

	Avg %	Min %	Max %	#
Gadient %:	2.00	2	2	4
Pool Depth (m):	0.23	0.050	0.400	6

Stage: L☐ M☑ H☐ **Temp (C):** 10 **pH:** 7.8 **Cond.:** 40 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: C Subdom: G

D95: 8.00 D (cm): 5.00

Pattern: SI Islands: N

Coupling: PC Confinement: OC

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	N	D	T	S	T
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐

FSZ: ☐

CROWN CLOSURE 0 0%

LWD: N **DIST:** NA **INSTREAM VEG:** N ☐ A ☐ M ☑ V ☐

RB SHP: V **Texture:** ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A **RIP:** G **STG:** NA

LB SHP: V **Texture:** ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A **RIP:** G **STG:** NA

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)
103P.008	70891	F	30.0	AE	0	AE	R: F:	L: #:	9 532522 6101839 GIS

Comments:

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
142	*EF*	1	110	242 sec	500	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-324400-52900-00000-0000-0000-000-000-000-000-000-000	3.0			142

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER — Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: — Local Name: None
Watershed Code: 400-324400-52900-00000-0000-0000-000-000-000-000-000-000
ILP Map#: — ILP #: — NID Map #: 103P.008 — NID #: 60891 — Reach #: 3.0 — Site #: 142

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: H
	9 532538 6103035	Ref. Name:		

Date: 2000/08/02 Time: 14:10 — Agency: C172 — Crew: BW/KT — Fish Crd?: ☑ — Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	6.20	5.10	4.30	6.40	3.70	4.20					4.98
Wetted Width (m):	T	4.30	4.80	4.30	5.70	3.70	4.20					4.50
Pool Depth (m):	MS	0.15	0.05	0.40	0.40	0.20	0.20					0.23

	Gadient %		Mtd	Avg
Method I:	2.0	2.0	C	2.00
Method II:	2.0	2.0	C	

Wb Depth:	.6	.6	.8

Avg: 0.67 — Method: MS — Stage: L ☐ M ☑ H ☐
No Vis.Ch.: ☐ Intermittent: ☐
Dw: ☐ Tribs.: ☐

COVER — Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	N	D	T	S	T
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐

CROWN CLOSURE
0 0%
INSTREAM VEG: N ☐ A ☐ M ☑ V ☐

LWD: N — DIST: NA

LB SHP: V
Texture: ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A
RIP: G
STG: NA

RB SHP: V
Texture: ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A
RIP: G
STG: NA

WATER

EMS:
Temp: 10 — Method: T3
pH: 7.8 — Method: P2
Flood Signs: NONE — Method: GE

Req #:
Cond.: 40 — Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C — Method: GE

MORPHOLOGY

Bed Material: — Dominant: C — Subdom: G
D95: 8.00 — D (cm): 5.00 — Morph: RP
Pattern: SI
Islands: N
Coupling: PC
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

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)
103P.008	70891	F	30.0	AE	0	AE	R: F:	L: #:	9 532522 6101839 GIS

Comments:

HABITAT QUALITY

Name	Comments
OverWinter Habitat	Overwintering habitat is present is limited amounts
Spawning Habitat	Moderate spawning habitat limited by moderate amount of gravels
Rearing Habitat	Rearing habitat is poor due to limited cover

PHOTOS

Photo	Foc Lg	Dir	Comments

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
3.0			142

Watershed Code: 400-324400-52900-00000-0000-0000-000-000-000-000-000-000

Photo				Foc Lg	Dir	Comments
R:	8	F:	4	STD	U	Upstream photo of riffle/pool habitat
R:	8	F:	5	STD	D	Downstream photo showing overstream vegetation

COMMENTS

Section	Comments
SITE CARD	Fish form 30472
CHANNEL	No fish present. Barriers located downstream
CHANNEL	S5 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-324400-52900-00000-0000-0000-000-000-000-000-000-000 3.0

WATERBODY

Gazetted Name: **Local:** None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-324400-52900-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: **ILP Map #:** **ILP #:** **Reach #:** 3 -

Project ID: 3476 **Lake/Stream:** S **Lake From Date:**

Fish Permit #: 25350K **Date:** 2000/08/02 **To:** 2000/08/02 **Agency:** C172 **Crew:** BW/KT **Resample:** ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
142	103P.008	60891		EF 1	10	40	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
142	EF 1	1	2000/08/02	14:10	2000/08/02	14:40	

C. ELECTROFISHER SPECIFICATIONS.

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
142	EF 1	1	O	242	110.0	4.0	500	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #142, Downstream photo showing overstream vegetation
Roll #8, Frame #5, Date: 2000/08/02

Site #142, Upstream photo of riffle/pool habitat
Roll #8, Frame #4, Date: 2000/08/02

Stream Reach/Site Summary Report

Reach #	ILP Map #	ILP #
1.0		

Watershed Code: 400-324400-52900-84100-0410-0000-000-000-000-000-000-000-000

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 400-324400-52900-84100-0410-0000-000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 1.0 **UTM(Zone/East/North):** 9.530970.6105375 **Sample Type:** R

Length (km): .24 **Gradient (%):** 17.08 **US Elev (m):** 1349 **Order:** 4 **Magnitude:** 17

Confinement: CO **Coupling:** CO **Open water:** A **BGC Zone:** AT

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** S **Landuse:** NO

SITE

Site #: 143 **Site Lg (m):** 100

GIS UTM(Zone/East/North): 9 531102 6105450

Date: 2000/08/02 **Agency:** C172 **Crew:** BW/KT

Ref. Name:

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	2.27	1.3	3.1	6
Wetted Width (m):	2.27	1.3	3.1	6
Wb Depth (m):	0.20	0.2	0.2	3

	Avg %	Min %	Max %	#
Gadient %:	2.75	2	4	4
Pool Depth (m):	0.13	0.06	0.21	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 10 **pH:** 7.3 **Cond.:** 40 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: C Subdom: G

D95: 10.00 D (cm): 8.00

Pattern: SI Islands: N

Coupling: DC Confinement: UN

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: T **FSZ:** ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	D	N	N	T	N
:: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE 0 0%

LWD: N **DIST:** NA **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: V **Texture:** ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A **RIP:** G **STG:** NA

LB SHP: V **Texture:** ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A **RIP:** G **STG:** NA

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
143	*EF*	1	100	103 sec	500	NFC	0		

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
1.0			143

Watershed Code: 400-324400-52900-84100-0410-0000-000-000-000-000-000-000

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER **Project Code:** 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: **Local Name:** None
Watershed Code: 400-324400-52900-84100-0410-0000-000-000-000-000-000-000
ILP Map#: **ILP #:** **NID Map #:** 103P.008 **NID #:** 60911 **Reach #:** 1.0 **Site #:** 143

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)
	9 531102 6105450

Site Lg: 100 **Method:** HC **Access:** H
Ref. Name:
Date: 2000/08/02 **Time:** 15:00 **Agency:** C172 **Crew:** BW/KT **Fish Crd?:** ☑ **Incomplete:** ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	MS	2.20	2.40	1.80	1.30	3.10	2.80					2.27
Wetted Width (m):	MS	2.20	2.40	1.80	1.30	3.10	2.80					2.27
Pool Depth (m):	MS	0.11	0.21	0.18	0.08	0.06	0.12					0.13

	Gadient %		Mtd	Avg
Method I:	2.0	4.0	C	2.75
Method II:	2.0	3.0	C	

Wb Depth:	.2	.2	.2

Avg: 0.20 **Method:** MS **Stage:** L☐ M☑ H☐
No Vis.Ch.: ☐ **Intermittent:** ☐ **Dw:** ☐ **Tribs.:** ☐

COVER Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	D	N	N	T	N
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE 0 0%
INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: N **DIST:** NA

LB SHP: V
Texture: ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A
RIP: G
STG: NA

RB SHP: V
Texture: ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A
RIP: G
STG: NA

WATER

EMS:
Temp: 10 Method: T3
pH: 7.3 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 40 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: **Dominant:** C **Subdom:** G
D95: 10.0 **D (cm):** 8.00 **Morph:** RP
Pattern: SI
Islands: N
Coupling: DC
Confinement: UN
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	No overwintering habitat-no deep pools
Rearing Habitat	Rearing habitat is limited by a lack of cover
Spawning Habitat	Moderate spawning habitat with lots of good gravel

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	8	F:	6	STD	U	Upstream photo of a straight channel
R:	8	F:	7	STD	D	Downstream photo towards lake

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	400-324400-52900-84100-0410-0000-000-000-000-000-000-000	Reach #	ILP Map #	ILP #	Site
		1.0			143

Section	Comments
SITE CARD	Fish form 16487
CHANNEL	No fish present. Barriers downstream prevent upstream fish migration
CHANNEL	S6 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-324400-52900-84100-0410-0000-000-000-000-000-000-000 1.0

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-324400-52900-84100-0410-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 1 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/02 To: 2000/08/02 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment
143	103P.008	60911					EF	1	10	40	C	

A. GEAR SETTINGS

Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
143	EF	1	1	2000/08/02	14:45	2000/08/02	15:00	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
143	EF	1	1	O	103	100.0	3.0	500	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #143, Downstream photo towards lake
Roll #8, Frame #7, Date: 2000/08/02

Site #143, Upstream photo of a straight channel
Roll #8, Frame #6, Date: 2000/08/02

Stream Reach/Site Summary Report

Reach #	ILP Map #	ILP #
7.0		

Watershed Code: 400-324400-52900-00000-0000-0000-000-000-000-000-000-000

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 400-324400-52900-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 7.0 **UTM(Zone/East/North):** 9.531288.6105286 **Sample Type:** R

Length (km): .62 **Gradient (%):** 8.23 **US Elev (m):** 1318 **Order:** 4 **Magnitude:** 38

Confinement: CO **Coupling:** PC **Open water:** P **BGC Zone:** AT

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** S **Landuse:** NO

SITE

Site #: 144 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	531324	6105143

Date: 2000/08/02 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	4.75	3.700	6.300	6
Wetted Width (m):	4.75	3.700	6.300	6
Wb Depth (m):	0.30	0.3	0.3	3

	Avg %	Min %	Max %	#
Gadient %:	2.00	2	2	4
Pool Depth (m):	0.13	0.050	0.200	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 10 **pH:** 7.3 **Cond.:** 40 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: B Subdom: C

D95: 65.00 D (cm): 20.00

Pattern: SI Islands: N

Coupling: CO Confinement: CO

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	D	N	N	S	N
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐	☑☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE 0 0%

LWD: N **DIST:** NA **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: V Texture: ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A **RIP:** G **STG:** NA

LB SHP: V Texture: ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A **RIP:** G **STG:** NA

FISH

Site Number	Capture Method	Number of Events	Total Length (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
144	EF	1	40	208 sec	400	NFC	0		

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
7.0			144

Watershed Code: 400-324400-52900-00000-0000-0000-000-000-000-000-000-000

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: None
Watershed Code: 400-324400-52900-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103P.008 NID #: 60900 Reach #: 7.0 Site #: 144

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: H
	9 531324 6105143	Ref. Name:		

Date: 2000/08/02 Time: 15:15 Agency: C172 Crew: BW/KT Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	5.20	5.10	6.30	4.20	4.00	3.70					4.75
Wetted Width (m):	T	5.20	5.10	6.30	4.20	4.00	3.70					4.75
Pool Depth (m):	MS	0.20	0.15	0.10	0.15	0.05	0.10					0.13

	Gadient %		Mtd	Avg
Method I:	2.0	2.0	C	2.00
Method II:	2.0	2.0	C	

Wb Depth:	.3	.3	.3	Avg: 0.30	Method: MS	Stage: L ☐ M ☑ H ☐

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

COVER Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	D	N	N	S	N
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
0 0%
INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: N DIST: NA

LB SHP: V
Texture: ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A
RIP: G
STG: NA

RB SHP: V
Texture: ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A
RIP: G
STG: NA

WATER

EMS:
Temp: 10 Method: T3
pH: 7.3 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 40 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: B Subdom: C
D95: 65.0 D (cm): 20.00 Morph: RP
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	No overwintering habitat exists
Spawning Habitat	Spawning values are poor due to large substrates
Rearing Habitat	Rearing values are poor due to limited cover

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 8 F: 8	STD	U	Upstream photo towards lake
R: 8 F: 9	STD	D	Downstream photo showing confinement

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-324400-52900-00000-0000-0000-000-000-000-000-000-000	7.0			144

Section	Comments
SITE CARD	Fish form 16486
CHANNEL	No fish present. Barriers downstream prevent upstream fish migration
CHANNEL	S5 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-324400-52900-00000-0000-0000-000-000-000-000-000-000 7.0

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-324400-52900-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 7 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/02 To: 2000/08/02 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
144	103P.008	60900		EF 1	10	40	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
144	EF 1	1	2000/08/02	15:15	2000/08/02	15:30	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
144	EF 1	1	O	208	40.0	4.0	400	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #144, Downstream photo showing confinement
Roll #8, Frame #9, Date: 2000/08/02

Site #144, Upstream photo towards lake
Roll #8, Frame #8, Date: 2000/08/02

Stream Reach/Site Summary Report

Reach # ILP Map # ILP #

Watershed Code: 400-324400-52900-51900-0000-0000-000-000-000-000-000-000 4.0

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 400-324400-52900-51900-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 4.0 **UTM(Zone/East/North):** 9.534598.6102572 **Sample Type:** R

Length (km): .63 **Gradient (%):** 10.16 **US Elev (m):** 1205 **Order:** 1 **Magnitude:** 1

Confinement: OC **Coupling:** DC **Open water:** A **BGC Zone:** AT

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** S **Landuse:** NO

SITE

Site #: 145 **Site Lg (m):** 100

GIS UTM(Zone/East/North) 9 534395 6103046

Date: 2000/08/02 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	0.57	0.5	0.7	6
Wetted Width (m):	0.57	0.5	0.7	6
Wb Depth (m):	0.10	0.1	0.1	3

	Avg %	Min %	Max %	#
Gadient %:	4.75	7	7	4
Pool Depth (m):	0.04	0.02	0.070	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 12 **pH:** 7.0 **Cond.:** 35 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: G Subdom: C

D95: 18.00 D (cm): 1.00

Pattern: SI Islands: N

Coupling: DC Confinement: UN

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	D	S	T	N	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE 2 21-40%

LWD: F **DIST:** E **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: V **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** MF

LB SHP: V **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** MF

FISH

Site Number	Capture Method	Number of Events	Total Length (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
145	EF	1	30	96 sec	400	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-324400-52900-51900-0000-0000-000-000-000-000-000-000	4.0			145

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER — Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: — Local Name: None
Watershed Code: 400-324400-52900-51900-0000-0000-000-000-000-000-000-000
ILP Map#: — ILP #: — NID Map #: 103P.008 — NID #: 60890 — Reach #: 4.0 — Site #: 145

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: H
	9 534395 6103046	Ref. Name:		

Date: 2000/08/02 Time: 16:20 — Agency: C172 — Crew: BW/KT — Fish Crd?: ☑ — Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	MS	0.70	0.60	0.50	0.50	0.60	0.50					0.57
Wetted Width (m):	MS	0.70	0.60	0.50	0.50	0.60	0.50					0.57
Pool Depth (m):	MS	0.03	0.02	0.03	0.05	0.07	0.04					0.04

	Gadient %		Mtd	Avg
Method I:	4.0	7.0	C	4.75
Method II:	3.0	5.0	C	

Wb Depth:	.1	.1	.1	Avg: 0.10	Method: MS	Stage: L ☐ M ☑ H ☐

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

COVER — Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	D	S	T	N	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
2 21-40%
INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: F — DIST: E

LB SHP: V
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: C
STG: MF

RB SHP: V
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: C
STG: MF

WATER

EMS:
Temp: 12 — Method: T3
pH: 7.0 — Method: P2
Flood Signs: NONE — Method: GE

Req #:
Cond.: 35 — Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C — Method: GE

MORPHOLOGY

Bed Material: — Dominant: G — Subdom: C
D95: 18.0 — D (cm): 1.00 — Morph: RP
Pattern: SI
Islands: N
Coupling: DC
Confinement: UN
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	No overwintering habitat
Rearing Habitat	Poor rearing habitat limited by low discharge
Spawning Habitat	Spawning habitat is limited by the large substrates

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 8 F: 10	STD	U	Upstream photo of the narrow channel
R: 8 F: 11	STD	D	Downstream photo towards the lake

COMMENTS

Section	Comments

FDIS Site Card

		Reach #	ILP Map #	ILP #	Site
Watershed Code:	400-324400-52900-51900-0000-0000-000-000-000-000-000-000	4.0			145

Section	Comments
SITE CARD	Fish form 30478
CHANNEL	No fish present. Downstream barriers prevent upstream fish migration to this reach
CHANNEL	S6 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-324400-52900-51900-0000-0000-000-000-000-000-000-000 4.0

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-324400-52900-51900-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 4 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/02 To: 2000/08/02 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
145	103P.008	60890		EF 1	12	35	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
145	EF 1	1	2000/08/02	16:20	2000/08/02	16:45	

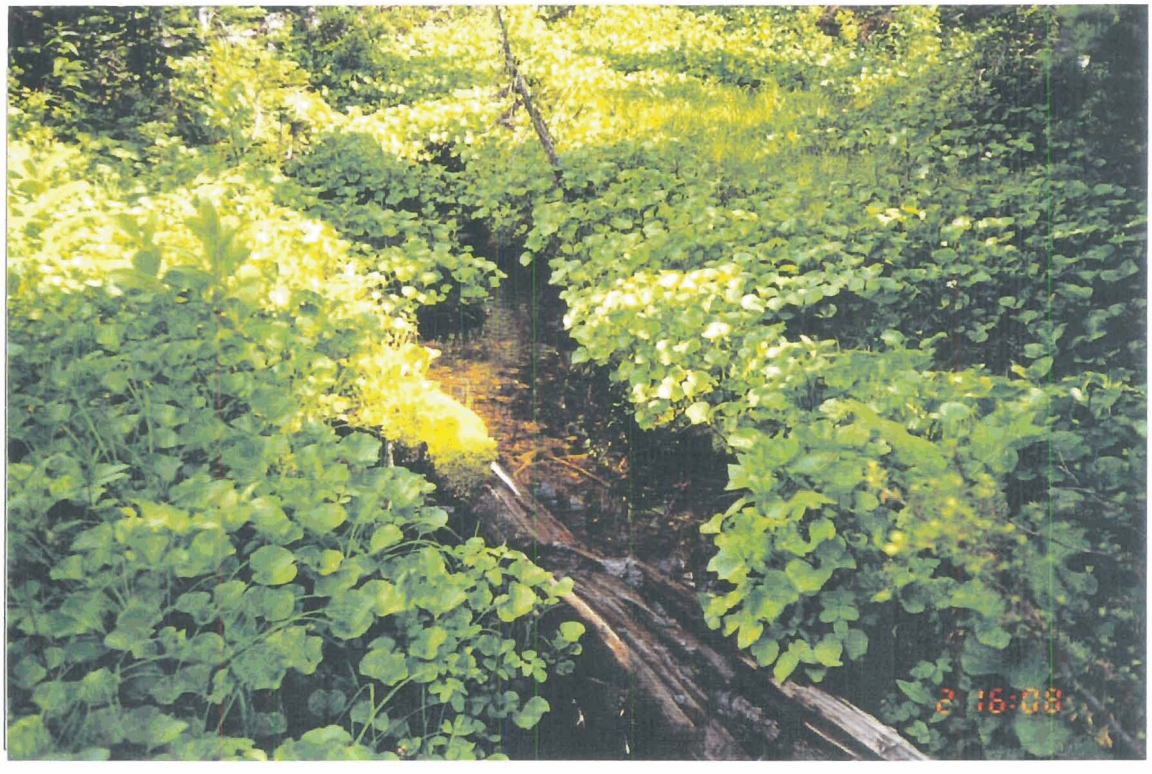
C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
145	EF 1	1	O	96	30.0	0.5	400	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #145, Downstream photo towards the lake
Roll #8, Frame #11, Date: 2000/08/02



Site #145, Upstream photo of the narrow channel
Roll #8, Frame #10, Date: 2000/08/02

Stream Reach/Site Summary Report

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.008	10041

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** 103P.008 **ILP #:** 10041

REACH

Reach #: 1.0 **UTM(Zone/East/North):** 9.533962.6103701 **Sample Type:** R

Length (km): .28 **Gradient (%):** 4.64 **US Elev (m):** 1137 **Order:** 1 **Magnitude:** 1

Confinement: OC **Coupling:** DC **Open water:** A **BGC Zone:** MH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** C **Landuse:** NO

SITE

Site #: 146 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	534051	6103804

Date: 2000/08/02 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	0.00	0	0	0
Wetted Width (m):	0.00	0	0	0
Wb Depth (m):	0.00	0	0	0

	Avg %	Min %	Max %	#
Gadient %:	0.00	0	0	0
Pool Depth (m):	0.00	0	0	0

Stage: L ☐ M ☐ H ☐ **Temp (C):** **pH:** **Cond.:** **Turb.:** ☐ T ☐ M ☐ L ☐ C

MORPHOLOGY

Bed Material: **Dominant:** **Subdom:**

D95: **D (cm):**

Pattern: **Islands:**

Coupling: **Confinement:**

Morph:

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

LWD: **DIST:** **INSTREAM VEG:** N ☐ A ☐ M ☐ V ☐

RB SHP: **Texture:** ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** **STG:**

LB SHP: **Texture:** ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** **STG:**

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.008	10041	146

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER **Project Code:** 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: **Local Name:** None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103P.008 **ILP #:** 10041 **NID Map #:** 103P.008 **NID #:** 61021 **Reach #:** 1.0 **Site #:** 146

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: H
	9 534051 6103804	Ref. Name:		

Date: 2000/08/02 **Time:** 17:10 **Agency:** C172 **Crew:** BW/KT **Fish Crd?:** ☐ **Incomplete:** ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):												0.00
Wetted Width (m):												0.00
Pool Depth (m):												0.00

	Gadient %		Mtd	Avg
Method I:				0.00
Method II:				

Wb Depth: **Avg:** 0.00 **Method:** **Stage:** L☐ M☐ H☐ **No Vis.Ch.:** ☑ **Intermittent:** ☐ **Dw:** ☐ **Tribs.:** ☐

COVER Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐	☐☐☐

CROWN CLOSURE

INSTREAM VEG: N☐ A☐ M☐ V☐

LWD: **DIST:**

LB SHP:
Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP:
STG:

RB SHP:
Texture: ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP:
STG:

WATER

EMS: **Req #:**
Temp: Method: **Cond.:** Method:
pH: Method: **Turb.:** ☐ T ☐ M ☐ L ☐ C Method:
Flood Signs: Method:

MORPHOLOGY

Bed Material: **Dominant:** **Subdom:**
D95: **D (cm):** **Morph:**
Pattern:
Islands:
Coupling:
Confinement:
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
Other	No visible channel. Not a stream. No potential fish habitat

COMMENTS

Section	Comments
SITE CARD	No photos taken
CHANNEL	NVC

Stream Reach/Site Summary Report

Reach #	ILP Map #	ILP #
5.0		

Watershed Code: 400-324400-29000-00000-0000-0000-000-000-000-000-000-000

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 400-324400-29000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 5.0 **UTM(Zone/East/North):** 9.536174.6105573 **Sample Type:** B

Length (km): 1.68 **Gradient (%):** 7.62 **US Elev (m):** 820 **Order:** 5 **Magnitude:** 91

Confinement: EN **Coupling:** CO **Open water:** A **BGC Zone:** CWH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 150 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	536119	6105523

Date: 2000/08/03 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	19.17	11	28	6
Wetted Width (m):	8.00	5	11	6
Wb Depth (m):	2.23	2	2.5	3

	Avg %	Min %	Max %	#
Gadient %:	10.75	11	11	4
Pool Depth (m):	0.50	0.35	0.65	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 6 **pH:** 6.6 **Cond.:** 45 **Turb.:** ☐ T ☐ M ☑ L ☐ C

MORPHOLOGY

Bed Material: Dominant: B Subdom: R

D95: 120.00 D (cm): 65.00

Pattern: SI Islands: N

Coupling: CO Confinement: CO

Morph: CP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	T	D	N	S	N	N
Loc: P/S/O:	☐☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

1 1-20%

LWD: F **DIST:** C **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: V **Texture:** ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A **RIP:** C **STG:** MF

LB SHP: V **Texture:** ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A **RIP:** C **STG:** MF

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo		AirPhoto		UTM (Zone/East/North/Method)			
103P.008	71039	F	4.0	AE	0	AE	R:	F:	L:	#:	9	536055	6105515	GIS

Comments: No photo taken

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
150	*EF*	1	110	331 sec	400	NFC	0		

FDIS Site Card

	Reach #	ILP Map #	ILP #	Site
Watershed Code: 400-324400-29000-00000-0000-0000-000-000-000-000-000-000	5.0			150

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: Local Name: None
Watershed Code: 400-324400-29000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103P.008 NID #: 61039 Reach #: 5.0 Site #: 150

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: H
	9 536119 6105523	Ref. Name:		

Date: 2000/08/03 Time: 08:00 Agency: C172 Crew: BW/KT Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	GE	28.00	22.00	19.00	11.00	17.00	18.00					19.17
Wetted Width (m):	GE	8.00	7.00	5.00	7.00	11.00	10.00					8.00
Pool Depth (m):	GE	0.50	0.45	0.65	0.50	0.55	0.35					0.50

	Gadient %		Mtd	Avg
Method I:	11.0	11.0	C	10.75
Method II:	11.0	10.0	C	

Wb Depth:	2.0	2.5	2.2

Avg: 2.23 Method: GE Stage: L ☐ M ☑ H ☐
No Vis.Ch.: ☐ Intermittent: ☐
Dw: ☐ Tribs.: ☐

COVER Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	T	D	N	S	N	N
Loc: P/S/O:	☐☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐

CROWN CLOSURE
1 1-20%
INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: F DIST: C

LB SHP: V
Texture: ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A
RIP: C
STG: MF

RB SHP: V
Texture: ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A
RIP: C
STG: MF

WATER

EMS:
Temp: 6 Method: T3
pH: 6.6 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 45 Method: S4
Turb.: ☐ T ☐ M ☑ L ☐ C Method: GE

MORPHOLOGY

Bed Material: Dominant: B Subdom: R
D95: 120.0 D (cm): 65.00 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

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)
103P.008	71039	F	4.0	AE	0	AE	R: F:	L: #:	9 536055 6105515 GIS

Comments: No photo taken

HABITAT QUALITY

Name	Comments
OverWinter Habitat	Overwintering habitat is present in limited quantities
Rearing Habitat	Poor rearing values due to the high gradient
Spawning Habitat	Poor spawning habitat due to large substrates

PHOTOS

Photo	Foc Lg	Dir	Comments

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
5.0			150

Watershed Code: 400-324400-29000-00000-0000-0000-000-000-000-000-000-000

Photo				Foc Lg	Dir	Comments
R:	8	F:	12	STD	U	Upstream photo of a cascade
R:	8	F:	13	STD	D	Downstream photo of clumped LWD

COMMENTS

Section	Comments
SITE CARD	Fish form 30534
CHANNEL	Barriers downstream prevent upstream fish migration
CHANNEL	S5 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-324400-29000-00000-0000-0000-000-000-000-000-000-000 5.0

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-324400-29000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 5 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/03 To: 2000/08/03 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
150	103P.008	61039		EF 1	6	45	L	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
150	EF 1	1	2000/08/03	08:00	2000/08/03	08:20	

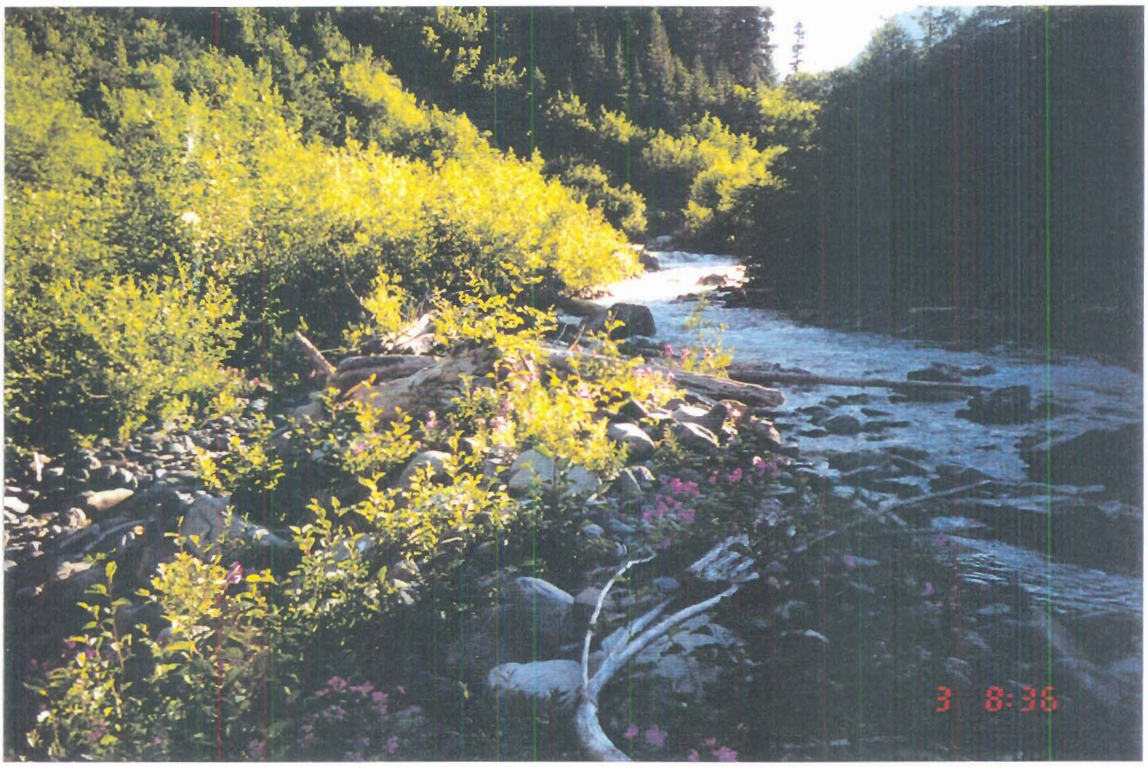
C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
150	EF 1	1	O	331	110.0	3.0	400	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #150, Downstream photo of clumped LWD
Roll #8, Frame #13, Date: 2000/08/03



Site #150, Upstream photo of a cascade
Roll #8, Frame #12, Date: 2000/08/03

Stream Reach/Site Summary Report

Reach # ILP Map # ILP #

Watershed Code: 400-324400-29000-00000-0000-0000-000-000-000-000-000-000 3.0

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 400-324400-29000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 3.0 **UTM(Zone/East/North):** 9.535756.6103997 **Sample Type:** B

Length (km): 2.57 **Gradient (%):** 4.2 **US Elev (m):** 609 **Order:** 5 **Magnitude:** 110

Confinement: FC **Coupling:** CO **Open water:** A **BGC Zone:** CWH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 151 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	536806	6102615

Date: 2000/08/03 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	19.00	17	22	6
Wetted Width (m):	10.17	7	14	6
Wb Depth (m):	0.87	0.8	1	3

	Avg %	Min %	Max %	#
Gadient %:	6.75	6	7	4
Pool Depth (m):	0.26	0.150	0.45	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 6 **pH:** 6.6 **Cond.:** 45 **Turb.:** ☐ T ☐ M ☑ L ☐ C

MORPHOLOGY

Bed Material: Dominant: B Subdom: C **Bars:** ☐ N ☑ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR

D95: 65.00 D (cm): 35.00

Pattern: SI Islands: N

Coupling: CO Confinement: FC

Morph: CP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: A **FSZ:** ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	T	D	N	T	T	N
Loc: P/S/O:	☐☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☐☐☐

CROWN CLOSURE

1 1-20%

LWD: F **DIST:** C **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: S **Texture:** ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A **RIP:** C **STG:** MF

LB SHP: S **Texture:** ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A **RIP:** C **STG:** MF

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
151	*EF*	1	60	216 sec	400	DV	2	83	111

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
3.0			151

Watershed Code: 400-324400-29000-00000-0000-0000-000-000-000-000-000-000

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: None
Watershed Code: 400-324400-29000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103P.008 NID #: 61011 Reach #: 3.0 Site #: 151

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: H
	9 536806 6102615	Ref. Name:		

Date: 2000/08/03 Time: 09:00 Agency: C172 Crew: BW/KT Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	GE	22.00	19.00	18.00	20.00	17.00	18.00					19.00
Wetted Width (m):	GE	8.00	12.00	14.00	12.00	8.00	7.00					10.17
Pool Depth (m):	GE	0.20	0.30	0.15	0.25	0.20	0.45					0.26

	Gadient %		Mtd	Avg
Method I:	7.0	6.0	C	6.75
Method II:	7.0	7.0	C	

Wb Depth:	1.0	.8	.8

Avg: 0.87 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	T	T	N
Loc: P/S/O:	☐☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☐☐☐

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:
Temp: 6 Method: T3
pH: 6.6 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 45 Method: S4
Turb.: ☐ T ☐ M ☑ L ☐ C Method: GE

MORPHOLOGY

Bed Material: Dominant: B Subdom: C
D95: 65.0 D (cm): 35.00 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

HABITAT QUALITY

Name	Comments
OverWinter Habitat	Overwintering habitat is present in limited quantities
Spawning Habitat	Poor spawning habitat due to the large substrate size
Rearing Habitat	Rearing values are moderate in the off channel habitat

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 8 F: 14	STD	U	Upstream photo of riffle habitat
R: 8 F: 15	STD	D	Downstream photo showing dead trees due to the stream channel shifting

COMMENTS

Section	Comments

FDIS Site Card

		Reach #	ILP Map #	ILP #	Site
Watershed Code:	400-324400-29000-00000-0000-0000-000-000-000-000-000-000	3.0			151

Section	Comments
SITE CARD	Fish form 30533
CHANNEL	DV Present
CHANNEL	S2 Stream

FDIS Fish Form

		Reach #	ILP Map #	ILP #
Watershed Code:	400-324400-29000-00000-0000-0000-000-000-000-000-000-000	3.0		

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-324400-29000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 3 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/03 To: 2000/08/03 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment
151	103P.008	61011					EF	1	6	45	L	

A. GEAR SETTINGS

Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
151	EF	1	1	2000/08/03	09:00	2000/08/03	09:27	

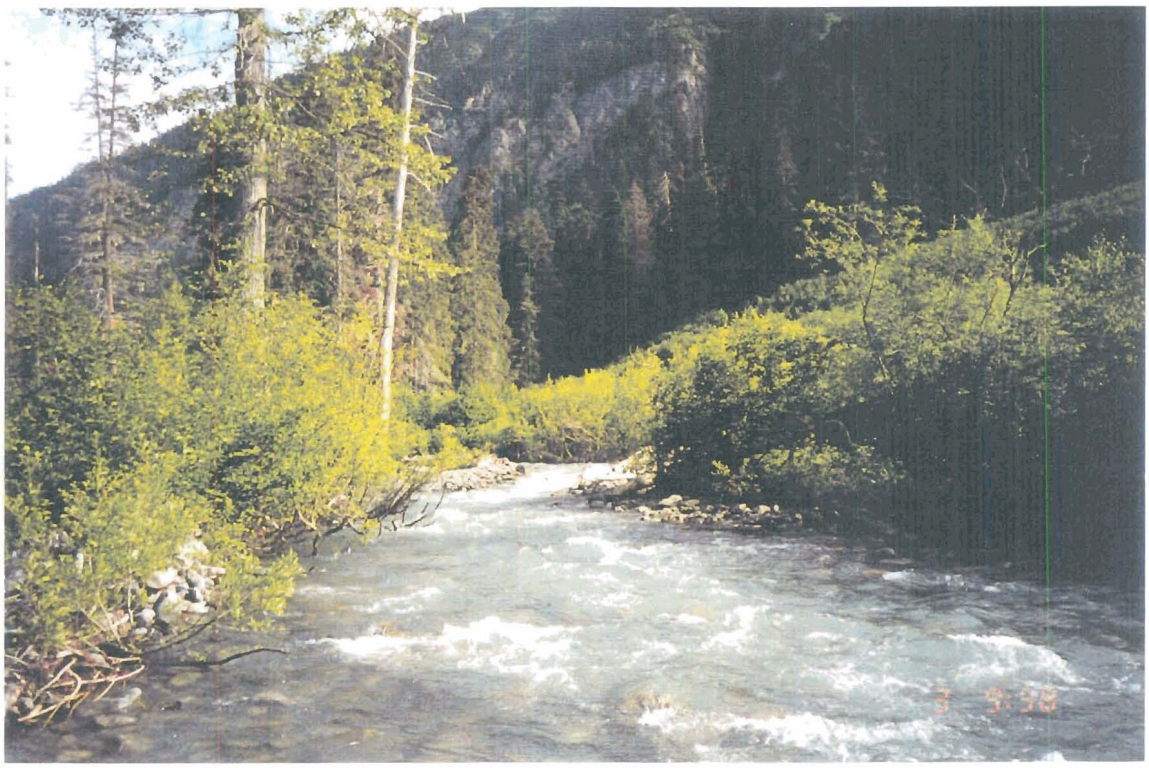
C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
151	EF	1	1	O	216	60.0	2.0	400	60	6	SMITH ROOT	12B

FISH SUMMARY

Site#	MTD/NO		H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
151	EF	1	1	DV	83	U	U			
151	EF	1	1	DV	111	U	U			

Site #151, Downstream photo showing dead trees due to the stream channel shifting
Roll #8, Frame #15, Date: 2000/08/03



Site #151, Upstream photo of riffle habitat
Roll #8, Frame #14, Date: 2000/08/03

Stream Reach/Site Summary Report

Watershed Code:	Reach #	ILP Map #	ILP #
400-350300-30200-00000-0000-0000-000-000-000-000-000-000	2.0		

STREAM REFERENCING

Gazetted Name: Local Name: None

Watershed Code: 400-350300-30200-00000-0000-0000-000-000-000-000-000-000 ILP Map #: ILP #:

REACH

Reach #: 2.0 UTM(Zone/East/North): 9.543894.6107066 Sample Type: B

Length (km): 3.66 Gradient (%): 8.69 US Elev (m): 782 Order: 3 Magnitude: 43

Confinement: CO Coupling: CO Open water: A BGC Zone: CWH

Islands: N Bars: ☑N ☐SIDE ☐DIAG ☐MID ☐SPAN ☐BR Riparian Veg.: M Landuse: NO

SITE

Site #: 152 GIS UTM(Zone/East/North): 9 545322 6107495 Date: 2000/08/03 Agency: C172 Crew: BW/KT

Site Lg (m): 100 Ref. Name:

CHANNEL

No Vis.Ch.: ☐ Intermittent: ☐

Dw: ☐ Tribs.: ☐

	Avg	Min	Max	#
Channel Width (m):	11.23	8.7	14.10	6
Wetted Width (m):	7.58	6.5	8.7	6
Wb Depth (m):	0.87	0.8	1	3

	Avg %	Min %	Max %	#
Gadient %:	9.75	8	12	4
Pool Depth (m):	0.18	0.150	0.25	6

Stage: L☐ M☑ H☐ Temp (C): 9 pH: 7.7 Cond.: 60 Turb.: ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: B Subdom: C

D95: 65.00 D (cm): 15.00

Pattern: SI Islands: O

Coupling: PC Confinement: FC

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	N	D	N	N	T	N
Loc: P/S/O:	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐	☑☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

2 21-40%

LWD: N DIST: NA INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

RB SHP: V Texture: ☐ F ☐ G ☐ C ☑ B ☐ R ☐ A RIP: M STG: PS

LB SHP: V Texture: ☐ F ☐ G ☐ C ☑ B ☐ R ☐ A RIP: M STG: PS

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
152	*EF*	1	40	311 sec	500	DV	2	99	107

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
2.0			152

Watershed Code: 400-350300-30200-00000-0000-0000-000-000-000-000-000-000

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: None
Watershed Code: 400-350300-30200-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103P.019 NID #: 60313 Reach #: 2.0 Site #: 152

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: H
	9 545322 6107495	Ref. Name:		

Date: 2000/08/03 Time: 10:00 Agency: C172 Crew: BW/KT Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	12.20	14.10	8.70	9.10	12.30	11.00					11.23
Wetted Width (m):	T	6.70	8.40	8.70	7.30	6.50	7.90					7.58
Pool Depth (m):	MS	0.20	0.15	0.25	0.15	0.20	0.15					0.18

	Gadient %		Mtd	Avg
Method I:	12.0	8.0	C	9.75
Method II:	9.0	10.0	C	

Wb Depth:	1.0	.8	.8

Avg: 0.87 Method: MS Stage: L ☐ M ☑ H ☐
No Vis.Ch.: ☐ Intermittent: ☐
Dw: ☐ Tribs.: ☐

COVER Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	N	D	N	N	T	N
Loc: P/S/O:	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
2 21-40%
INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: N DIST: NA

LB SHP: V
Texture: ☐ F ☐ G ☐ C ☑ B ☐ R ☐ A
RIP: M
STG: PS

RB SHP: V
Texture: ☐ F ☐ G ☐ C ☑ B ☐ R ☐ A
RIP: M
STG: PS

WATER

EMS: Req #:
Temp: 9 Method: T3 Cond.: 60 Method: S4
pH: 7.7 Method: P2 Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE
Flood Signs: NONE Method: GE

MORPHOLOGY

Bed Material: Dominant: B Subdom: C
D95: 65.0 D (cm): 15.00 Morph: RP
Pattern: SI
Islands: O
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	Limited overwintering habitat due to limited number of deep pools
Rearing Habitat	Moderate value rearing habitat-moderate cover
Spawning Habitat	Moderate value spawning habitat exists in pockets behind boulders

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 8 F: 16	STD	U	Upstream photo of large substrates
R: 8 F: 17	STD	D	Downstream photo showing avalanche debris

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-350300-30200-00000-0000-0000-000-000-000-000-000-000	2.0			152

Section	Comments
SITE CARD	Fish form 30533
CHANNEL	DV Present
CHANNEL	S2 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-350300-30200-00000-0000-0000-000-000-000-000-000-000 2.0

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-350300-30200-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 2

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/03 To: 2000/08/03 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment
152	103P.019	60313					EF	1	9	60	C	

A. GEAR SETTINGS

Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
152	EF	1	1	2000/08/03	10:00	2000/08/03	10:21	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
152	EF	1	1	O	311	40.0	5.0	500	60	6	SMITH ROOT	12B

FISH SUMMARY

Site#	MTD/NO		H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment
152	EF	1	1	DV	J		2	99	107	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#				
152	EF	1	1	DV	107		U	U									
152	EF	1	1	DV	99		U	U									

Site #152, Upstream photo of large substrates
Roll #8, Frame #16, Date: 2000/08/03

Site #152, Downstream photo showing avalanche debris
Roll #8, Frame #17, Date: 2000/08/03

Stream Reach/Site Summary Report

Reach # ILP Map # ILP #

Watershed Code: 400-350300-00000-00000-0000-0000-000-000-000-000-000-000 6.0

STREAM REFERENCING

Gazetted Name: SEDAN CREEK **Local Name:** Sedan Creek

Watershed Code: 400-350300-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 6.0 **UTM(Zone/East/North):** 9.543128.6112344 **Sample Type:** B

Length (km): 5.82 **Gradient (%):** 2.44 **US Elev (m):** 639 **Order:** 4 **Magnitude:** 141

Confinement: CO **Coupling:** CO **Open water:** A **BGC Zone:** CWH

Islands: N **Bars:** ☐ N ☑ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 153 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	547444	6110977

Date: 2000/08/03 **Agency:** C172 **Crew:** BW/KT **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	27.42	18.3	41.3	6
Wetted Width (m):	9.63	6.400	12.4	6
Wb Depth (m):	1.67	1.3	2.1	3

	Avg %	Min %	Max %	#
Gadient %:	4.25	3	4	4
Pool Depth (m):	0.52	0.150	0.800	6

Stage: L ☑ M ☐ H ☐ **Temp (C):** 10 **pH:** 7.7 **Cond.:** 60 **Turb.:** ☐ T ☐ M ☑ L ☐ C

MORPHOLOGY

Bed Material: Dominant: C Subdom: B

D95: 85.00 D (cm): 22.00

Pattern: SI Islands: O

Coupling: PC Confinement: FC

Morph: CP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	D	S	N	T	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

2 21-40%

LWD: A **DIST:** C **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: S **Texture:** ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A **RIP:** C **STG:** MF

LB SHP: S **Texture:** ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A **RIP:** C **STG:** MF

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-350300-00000-00000-0000-0000-000-000-000-000-000-000	6.0			153

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: SEDAN CREEK Local Name: Sedan Creek
Watershed Code: 400-350300-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103P.019 NID #: 60130 Reach #: 6.0 Site #: 153

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: H
	9 547444 6110977	Ref. Name:		

Date: 2000/08/03 Time: 11:12 Agency: C172 Crew: BW/KT Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	32.20	41.30	30.50	22.70	18.30	19.50					27.42
Wetted Width (m):	T	12.00	9.00	10.10	6.40	7.90	12.40					9.63
Pool Depth (m):	MS	0.80	0.70	0.65	0.50	0.15	0.35					0.52

	Gadient %		Mtd	Avg
Method I:	4.0	3.0	C	4.25
Method II:	6.0	4.0	C	

Wb Depth:	1.6	2.1	1.3

Avg: 1.67 Method: MS Stage: L☑ M☐ H☐
No Vis.Ch.: ☐ Intermittent: ☐
Dw: ☐ Tribs.: ☐

COVER Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	D	S	N	T	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
2 21-40%
INSTREAM VEG: N☑ A☐ M☐ V☐

LWD: A 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 #:
Temp: 10 Method: T3 Cond.: 60 Method: S4
pH: 7.7 Method: P2 Turb.: ☐ T ☐ M ☑ L ☐ C Method: GE
Flood Signs: NONE Method: GE

MORPHOLOGY

Bed Material: Dominant: C Subdom: B
D95: 85.0 D (cm): 22.00 Morph: CP
Pattern: SI
Islands: O
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	Overwintering habitat is abundant
Spawning Habitat	Moderate spawning values due to a fair supply of spawning gravel
Rearing Habitat	Moderate to high value rearing habitat due to the moderate amount of cover and channel complexity

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	8	F:	18	STD	U	Upstream photo of clumped LWD
R:	8	F:	19	STD	D	Downstream photo showing cobble substrates

COMMENTS

Section	Comments

FDIS Site Card

		Reach #	ILP Map #	ILP #	Site
Watershed Code:	400-350300-00000-00000-0000-0000-000-000-000-000-000-000	6.0			153

Section	Comments
SITE CARD	Fish form 30531
CHANNEL	DV are present
CHANNEL	S1 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-350300-00000-00000-0000-0000-000-000-000-000-000-000 6.0

WATERBODY

Gazetted Name: SEDAN CREEK Local: Sedan Creek

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-350300-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 6 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/03 To: 2000/08/03 Agency: C172 Crew: EM/JD/KT/ Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment
153	103P.019	60130					EF	1	10	60	L	
623	103P.019	60023					EF	1	9	60	C	

A. GEAR SETTINGS

Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
153	EF	1	1	2000/08/03	11:12	2000/08/03	11:33	
623	EF	1	1	2000/08/03	10:48	2000/08/03	11:30	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
153	EF	1	1	O	313	60.0	3.0	400	60	6	SMITH ROOT	12B
153	EF	1	1	DV	J		3	45	97	R		
623	EF	1	1	DV	J		6	149	187	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#				
623	EF	1	1	DV	187		U	U							7	12	
623	EF	1	1	DV	172		U	U									
623	EF	1	1	DV	149		U	U									
623	EF	1	1	DV	156		U	U									
623	EF	1	1	DV	162		U	U									
623	EF	1	1	DV	171		U	U									
153	EF	1	1	DV	45		U	U									
153	EF	1	1	DV	96		U	U									
153	EF	1	1	DV	97		U	U									

Site #153, Upstream photo of clumped LWD
Roll #8, Frame #18, Date: 2000/08/03

Site #153, Downstream photo showing cobble substrates
Roll #8, Frame #19, Date: 2000/08/03

Stream Reach/Site Summary Report

Reach #	ILP Map #	ILP #
11.0		

Watershed Code: 400-350300-00000-00000-0000-0000-000-000-000-000-000-000

STREAM REFERENCING

Gazetted Name: SEDAN CREEK Local Name: Sedan Creek

Watershed Code: 400-350300-00000-00000-0000-0000-000-000-000-000-000-000 ILP Map #: ILP #:

REACH

Reach #: 11.0 UTM(Zone/East/North): 9.540736.6115773 Sample Type: R

Length (km): .57 Gradient (%): 3.16 US Elev (m): 1357 Order: 3 Magnitude: 9

Confinement: UN Coupling: DC Open water: A BGC Zone: AT

Islands: N Bars: [x] N [ ] SIDE [ ] DIAG [ ] MID [ ] SPAN [ ] BR Riparian Veg.: S Landuse: NO

SITE

Site #: 154 Site Lg (m): 100

GIS UTM(Zone/East/North)		
9	540824	6115459

Date: 2000/08/03 Agency: C172 Crew: BW/KT

Ref. Name:

CHANNEL

No Vis.Ch.: [ ] Intermittent: [ ] Dw: [ ] Tribs.: [ ]

	Avg	Min	Max	#
Channel Width (m):	3.17	2.5	4.300	6
Wetted Width (m):	2.42	2	3	6
Wb Depth (m):	0.33	0.3	0.4	3

	Avg %	Min %	Max %	#
Gadient %:	2.00	2	2	4
Pool Depth (m):	0.09	0.050	0.150	6

Stage: L [ ] M [x] H [ ] Temp (C): 9 pH: 7.7 Cond.: 60 Turb.: [ ] T [ ] M [ ] L [x] C

MORPHOLOGY

Bed Material: Dominant: G Subdom: C

D95: 15.00 D (cm): 4.00

Pattern: IR Islands: N

Coupling: DC Confinement: UN

Morph: RP

Bars: [ ] N [x] SIDE [ ] DIAG [ ] MID [ ] SPAN [ ] BR

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

COVER

Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	T	N	N	T	N
Loc: P/S/O:	[ ][ ][ ]	[ ][ ][ ]	[x][ ][ ]	[ ][ ][ ]	[ ][ ][ ]	[x][ ][ ]	[ ][ ][ ]

FSZ: [ ]

CROWN CLOSURE

0 0%

LWD: N DIST: NA INSTREAM VEG: N [x] A [ ] M [ ] V [ ]

RB SHP: S Texture: [ ] F [x] G [ ] C [ ] B [ ] R [ ] A RIP: G STG: NA

LB SHP: S Texture: [ ] F [x] G [ ] C [ ] B [ ] R [ ] A RIP: G STG: NA

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
154	*EF*	1	70	211 sec	400	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-350300-00000-00000-0000-0000-000-000-000-000-000-000	11.0			154

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER **Project Code:** 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: SEDAN CREEK **Local Name:** Sedan Creek
Watershed Code: 400-350300-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: **ILP #:** **NID Map #:** 103P.019 **NID #:** 60135 **Reach #:** 11.0 **Site #:** 154

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: H
	9 540824 6115459	Ref. Name:		

Date: 2000/08/03 **Time:** 12:00 **Agency:** C172 **Crew:** BW/KT **Fish Crd?:** ☑ **Incomplete:** ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	MS	4.30	3.10	2.70	3.00	3.40	2.50					3.17
Wetted Width (m):	MS	2.20	2.10	2.00	3.00	2.70	2.50					2.42
Pool Depth (m):	MS	0.12	0.15	0.05	0.05	0.05	0.10					0.09

	Gadient %		Mtd	Avg
Method I:	2.0	2.0	C	2.00
Method II:	2.0	2.0	C	

Wb Depth:	.3	.4	.3

Avg: 0.33 **Method:** MS **Stage:** L☐ M☑ H☐ **No Vis.Ch.:** ☐ **Intermittent:** ☐ **Dw:** ☐ **Tribs.:** ☐

COVER Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	T	N	N	T	N
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE 0 0%
INSTREAM VEG: N☑ A☐ M☐ V☐

LWD: N **DIST:** NA

LB SHP: S
Texture: ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A
RIP: G
STG: NA

RB SHP: S
Texture: ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A
RIP: G
STG: NA

WATER

EMS:
Temp: 9 **Method:** T3
pH: 7.7 **Method:** P2
Flood Signs: NONE **Method:** GE

Req #:
Cond.: 60 **Method:** S4
Turb.: ☐ T ☐ M ☐ L ☑ C **Method:** GE

MORPHOLOGY

Bed Material: **Dominant:** G **Subdom:** C
D95: 15.0 **D (cm):** 4.00 **Morph:** RP
Pattern: IR
Islands: N
Coupling: DC
Confinement: UN
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	No overwintering habitat is available
Spawning Habitat	Moderate spawning habitat due to moderate amounts of suitable gravel
Rearing Habitat	Poor rearing habitat due to limited cover

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	8	F:	20	STD	U	Upstream photo of stream flowing through an alpine meadow
R:	8	F:	21	STD	D	Downstream photo showing the gravel substrates

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	400-350300-00000-00000-0000-0000-000-000-000-000-000-000	Reach #	ILP Map #	ILP #	Site
		11.0			154

Section	Comments
SITE CARD	Fish form 30530
CHANNEL	No fish present above downstream barriers
CHANNEL	S5 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-350300-00000-00000-0000-0000-000-000-000-000-000-000 11.0

WATERBODY

Gazetted Name: SEDAN CREEK Local: Sedan Creek

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-350300-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 11 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/03 To: 2000/08/03 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment
154	103P.019	60135					EF	1	9	60	C	

A. GEAR SETTINGS

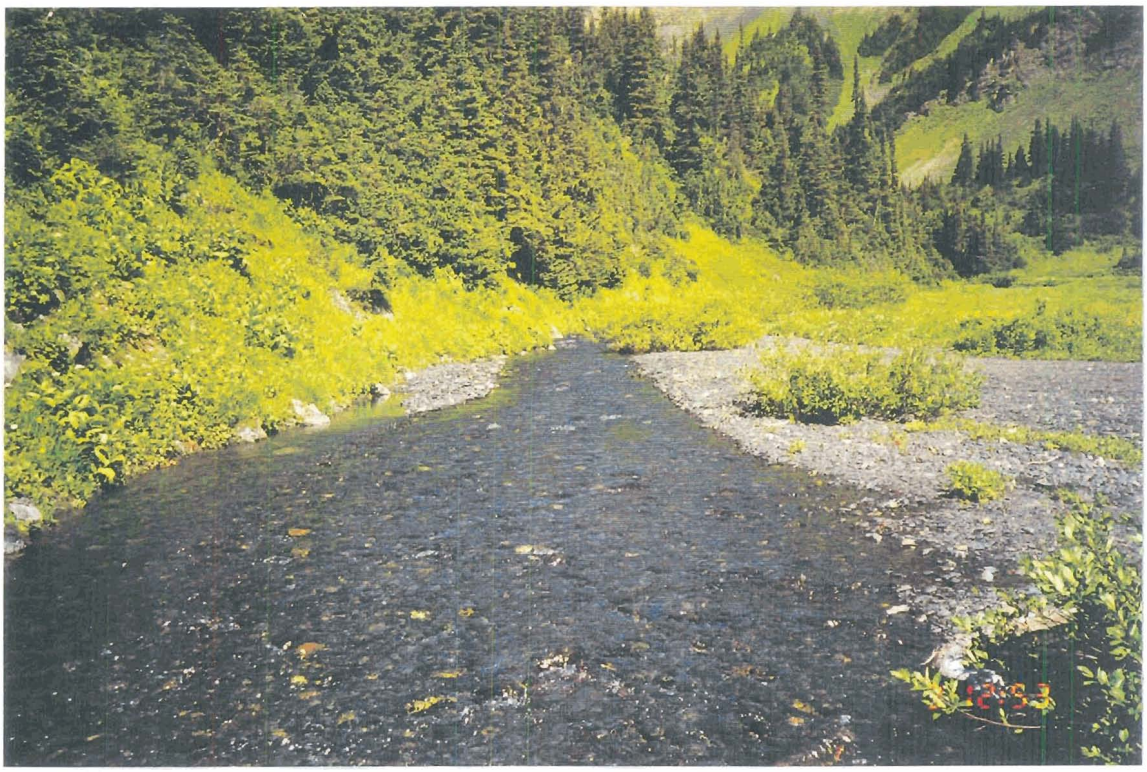
Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
154	EF	1	1	2000/08/03	12:00	2000/08/03	12:25	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
154	EF	1	1	O	211	70.0	2.0	400	60	6	SMITH ROOT	12B

FISH SUMMARY

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



Site #154, Upstream photo of stream flowing through an alpine meadow
Roll #8, Frame #20, Date: 2000/08/03

Site #154, Downstream photo showing the gravel substrates
Roll #8, Frame #21, Date: 2000/08/03

Stream Reach/Site Summary Report

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.019	10541

STREAM REFERENCING

Gazetted Name: Local Name: None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 ILP Map #: 103P.019 ILP #: 10541

REACH

Reach #: 1.0 UTM(Zone/East/North): 9.540609.6116213 Sample Type: R

Length (km): .19 Gradient (%): 25.26 US Elev (m): 1408 Order: 2 Magnitude: 3

Confinement: CO Coupling: CO Open water: A BGC Zone: AT

Islands: N Bars: ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR Riparian Veg.: S Landuse: NO

SITE

Site #: 155 GIS UTM(Zone/East/North): 9 540628 6116147 Date: 2000/08/03 Agency: C172 Crew: BW/KT

Site Lg (m): 100 Ref. Name:

CHANNEL

No Vis.Ch.: ☐ Intermittent: ☐

Dw: ☐ Tribs.: ☐

	Avg	Min	Max	#
Channel Width (m):	1.32	1.100	1.600	6
Wetted Width (m):	1.28	1.100	1.600	6
Wb Depth (m):	0.57	0.4	0.8	3

	Avg %	Min %	Max %	#
Gadient %:	1.00	1	1	4
Pool Depth (m):	0.07	0.050	0.100	6

Stage: L ☑ M ☐ H ☐ Temp (C): 9 pH: 7.6 Cond.: 30 Turb.: ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: G Subdom: C

D95: 12.00 D (cm): 6.00

Pattern: SI Islands: N

Coupling: DC Confinement: UN

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	N	T	N	T	N
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE 0 0%

LWD: N DIST: NA INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

RB SHP: S Texture: ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A RIP: G STG: NA

LB SHP: S Texture: ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A RIP: G STG: NA

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
155	*EF*	1	60	210 sec	500	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.019	10541	155

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: Local Name: None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103P.019 ILP #: 10541 NID Map #: 103P.019 NID #: 60138 Reach #: 1.0 Site #: 155

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: H
	9 540628 6116147	Ref. Name:		

Date: 2000/08/03 Time: 13:20 Agency: C172 Crew: BW/KT Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	MS	1.60	1.40	1.10	1.20	1.40	1.20					1.32
Wetted Width (m):	MS	1.60	1.20	1.10	1.20	1.40	1.20					1.28
Pool Depth (m):	MS	0.10	0.05	0.05	0.05	0.05	0.10					0.07

	Gadient %		Mtd	Avg
Method I:	1.0	1.0	C	1.00
Method II:	1.0	1.0	C	

Wb Depth:	.4	.5	.8

Avg: 0.57 Method: MS Stage: L ☑ M ☐ H ☐ No Vis.Ch.: ☐ Intermittent: ☐ Dw: ☐ Tribs.: ☐

COVER Total: T

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	N	T	N	T	N
Loc: P/S/O:	☐☐☐	☐☐☐	☐☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
0 0%
INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: N DIST: NA

LB SHP: S
Texture: ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A
RIP: G
STG: NA

RB SHP: S
Texture: ☐ F ☑ G ☐ C ☐ B ☐ R ☐ A
RIP: G
STG: NA

WATER

EMS: Req #:
Temp: 9 Method: T3 Cond.: 30 Method: S4
pH: 7.6 Method: P2 Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE
Flood Signs: NONE Method: GE

MORPHOLOGY

Bed Material: Dominant: G Subdom: C
D95: 12.0 D (cm): 6.00 Morph: RP
Pattern: SI
Islands: N
Coupling: DC
Confinement: UN
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	No overwintering habitat is available
Spawning Habitat	Moderate spawning habitat due to suitable gravel
Rearing Habitat	Poor rearing habitat due to limited cover

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 8 F: 22	STD	U	Upstream photo of the stream flowing through an alpine meadow
R: 8 F: 23	STD	D	Downstream photo of the gravel substrates

COMMENTS

Section	Comments

FDIS Site Card

		Reach #	ILP Map #	ILP #	Site
Watershed Code:	000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.019	10541	155

Section	Comments
SITE CARD	Fish form 30529
CHANNEL	No fish present above downstream barriers
CHANNEL	S6 Stream

FDIS Fish Form

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	1.0	103P.019	10541

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: 103P.019 ILP #: 10541 Reach #: 1 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/03 To: 2000/08/03 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
155	103P.019	60138		EF 1	9	30	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
155	EF 1	1	2000/08/03	13:20	2000/08/03	13:50	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
155	EF 1	1	O	210	60.0	3.0	500	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #155, Downstream photo of the gravel substrates
Roll #8, Frame #23, Date: 2000/08/03

Site #155, Upstream photo of the stream flowing through an alpine meadow
Roll #8, Frame #22, Date: 2000/08/03

Stream Reach/Site Summary Report

Reach # ILP Map # ILP #

Watershed Code: 400-339200-00000-00000-0000-0000-000-000-000-000-000-000 5.0

STREAM REFERENCING

Gazetted Name: WILSON CREEK Local Name: Wilson Creek

Watershed Code: 400-339200-00000-00000-0000-0000-000-000-000-000-000-000 ILP Map #: ILP #:

REACH

Reach #: 5.0 UTM(Zone/East/North): 9.541531.6103986 Sample Type: B

Length (km): 1.46 Gradient (%): 15.89 US Elev (m): 905 Order: 4 Magnitude: 23

Confinement: EN Coupling: CO Open water: A BGC Zone: CWH

Islands: N Bars: ☑N ☐SIDE ☐DIAG ☐MID ☐SPAN ☐BR Riparian Veg.: M Landuse: NO

SITE

Site #: 156 GIS UTM(Zone/East/North) Date: 2000/08/03 Agency: C172 Crew: BW/KT

Site Lg (m): 100 9 541749 6103855 Ref. Name:

CHANNEL

No Vis.Ch.: ☐ Intermittent: ☐

Dw: ☐ Tribs.: ☐

	Avg	Min	Max	#
Channel Width (m):	6.65	5.800	7.300	6
Wetted Width (m):	4.07	3.1	5.2	6
Wb Depth (m):	0.67	0.6	0.8	3

	Avg %	Min %	Max %	#
Gadient %:	9.25	6	9	4
Pool Depth (m):	0.27	0.100	0.400	6

Stage: L☐ M☑ H☐ Temp (C): 12 pH: 7.7 Cond.: 40 Turb.: ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: C Subdom: G Bars: ☐ N ☑ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR

D95: 70.00 D (cm): 20.00

Pattern: SI Islands: N

Coupling: CO Confinement: FC

Morph: CP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	D	S	N	T	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

3 41-70%

LWD: F DIST: E INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

RB SHP: S Texture: ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A RIP: C STG: MF

LB SHP: S Texture: ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A RIP: C STG: MF

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo		AirPhoto		UTM (Zone/East/North/Method)			
103P.009	70541	F	8.0	AE	0	AE	R:	F:	L:	#:	9	542718	6103220	GIS

Comments:

FISH

Site Number	Capture Method	Number of Events	Total Length (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
156	EF	1	70	350 sec	400	NFC	0		

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
5.0			156

Watershed Code: 400-339200-00000-00000-0000-0000-000-000-000-000-000-000

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: WILSON CREEK
Local Name: Wilson Creek
Watershed Code: 400-339200-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103P.009 NID #: 60542 Reach #: 5.0 Site #: 156

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)
	9 541749 6103855

Site Lg: 100 Method: HC Access: H
Ref. Name:

Date: 2000/08/03 Time: 14:05 Agency: C172 Crew: BW/KT Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	7.00	6.30	5.80	7.10	6.40	7.30					6.65
Wetted Width (m):	T	4.40	4.10	5.20	4.30	3.30	3.10					4.07
Pool Depth (m):	MS	0.40	0.35	0.35	0.20	0.10	0.25					0.27

	Gadient %		Mtd	Avg
Method I:	6.0	9.0	C	9.25
Method II:	14.0	8.0	C	

Wb Depth:	.8	.6	.6

Avg: 0.67 Method: MS Stage: L ☐ M ☑ H ☐
No Vis.Ch.: ☐ Intermittent: ☐
Dw: ☐ Tribs.: ☐

COVER Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	D	S	N	T	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
3 41-70%
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: 12 Method: T3
pH: 7.7 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 40 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: C Subdom: G
D95: 70.0 D (cm): 20.00 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 (Zone/East/North/Method)
103P.009	70541	F	8.0	AE	0	AE	R: F:	L: #:	9 542718 6103220 GIS

Comments:

HABITAT QUALITY

Name	Comments
Spawning Habitat	Poor spawning habitat due to large substrates
Rearing Habitat	Moderate rearing habitat limited by gradient and moderate cover

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-339200-00000-00000-0000-0000-000-000-000-000-000-000	5.0			156

COMMENTS	
Section	**Comments**
SITE CARD	Fish form 30528
SITE CARD	No photos taken due to camera malfunction
CHANNEL	No fish present above downstream barrier
CHANNEL	S5 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-339200-00000-00000-0000-0000-000-000-000-000-000-000 5.0

WATERBODY

Gazetted Name: WILSON CREEK Local: Wilson Creek

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-339200-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 5 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/03 To: 2000/08/03 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
156	103P.009	60542		EF 1	12	40	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
156	EF 1	1	2000/08/03	14:05	2000/08/03	14:40	

C. ELECTROFISHER SPECIFICATIONS.

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
156	EF 1	1	O	350	70.0	4.0	400	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Stream Reach/Site Summary Report

	Reach #	ILP Map #	ILP #
Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000	6.0		

STREAM REFERENCING

Gazetted Name: | Local Name: None

Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000 | ILP Map #: | ILP #:

REACH

Reach #: 6.0 | UTM(Zone/East/North): 9.539425.6098869 | Sample Type: R

Length (km): .29 | Gradient (%): 6.55 | US Elev (m): 828 | Order: 1 | Magnitude: 1

Confinement: CO | Coupling: PC | Open water: A | BGC Zone: CWH

Islands: N | Bars: ☑N ☐SIDE ☐DIAG ☐MID ☐SPAN ☐BR | Riparian Veg.: M | Landuse: FR

SITE

Site #: 157 | Site Lg (m): 100 | GIS UTM(Zone/East/North): 9 539559 6098934 | Date: 2000/08/03 | Agency: C172 | Ref. Name: | Crew: BW/KT

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	1.22	0.9	1.5	6
Wetted Width (m):	1.22	0.9	1.5	6
Wb Depth (m):	0.83	0.6	1.1	3

	Avg %	Min %	Max %	#
Gadient %:	0.00	0	0	4
Pool Depth (m):	0.08	0	0.5	6

Pattern: IR | Islands: N

Coupling: DC | Confinement: UN

Morph: LC

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M | FSZ: ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	T	N	D	T	T	T
Loc: P/S/O:	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐

CROWN CLOSURE: 0 0%

LWD: F | DIST: E | INSTREAM VEG: N ☐ A ☑ M ☐ V ☐

RB SHP: U | Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A | RIP: G | STG: NA

LB SHP: U | Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A | RIP: G | STG: NA

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
157	*EF*	1	70	155 sec	400	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-330700-00000-00000-0000-0000-000-000-000-000-000-000	6.0			157

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: Local Name: None
Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103P.009 NID #: 60516 Reach #: 6.0 Site #: 157

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: H
	9 539559 6098934	Ref. Name:		

Date: 2000/08/03 Time: 15:10 Agency: C172 Crew: BW/KT Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	MS	1.30	1.10	0.90	1.40	1.50	1.10					1.22
Wetted Width (m):	MS	1.30	1.10	0.90	1.40	1.50	1.10					1.22
Pool Depth (m):	MS	0.00	0.00	0.50	0.00	0.00	0.00					0.08

	Gadient %		Mtd	Avg
Method I:	0.0	0.0	C	0.00
Method II:	0.0	0.0	C	

Wb Depth:	.8	.6	1.1

Avg: 0.83 Method: MS Stage: L ☑ M ☐ H ☐
No Vis.Ch.: ☐ Intermittent: ☐
Dw: ☐ Tribs.: ☐

COVER Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	T	N	D	T	T	T
Loc: P/S/O:	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐

CROWN CLOSURE
0 0%
INSTREAM VEG: N ☐ A ☑ M ☐ V ☐

LWD: F DIST: E

LB SHP: U
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: G
STG: NA

RB SHP: U
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: G
STG: NA

WATER

EMS:
Temp: 14 Method: T3
pH: 7.8 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 80 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: F Subdom: NA
D95: 0.01 D (cm): 0.01 Morph: LC
Pattern: IR
Islands: N
Coupling: DC
Confinement: UN
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 is abundant
Rearing Habitat	Moderate rearing habitat due to moderate amounts of cover
Spawning Habitat	No spawning habitat is present due to the fine substrates

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	8	F:	24	STD	U	Upstream photo showing large channel morphology
R:	8	F:	25	STD	D	Downstream photo showing abundant overwintering habitat

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	400-330700-00000-00000-0000-0000-000-000-000-000-000-000	Reach #	ILP Map #	ILP #	Site
		6.0			157

Section	Comments
SITE CARD	Fish form 30527
CHANNEL	No fish present upstream of downstream barriers
CHANNEL	IS6 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000 6.0

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-330700-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 6 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/03 To: 2000/08/03 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
157	103P.009	60516		EF 1	14	80	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
157	EF 1	1	2000/08/03	15:10	2000/08/03	15:50	

C. ELECTROFISHER SPECIFICATIONS.

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
157	EF 1	1	O	155	70.0	2.0	400	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #157, Upstream photo showing large channel morphology
Roll #8, Frame #24, Date: 2000/08/03

Site #157, Downstream photo showing abundant overwintering habitat
Roll #8, Frame #25, Date: 2000/08/03

Stream Reach/Site Summary Report

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	2.0	103P.009	10250

STREAM REFERENCING

Gazetted Name: Local Name: None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 ILP Map #: 103P.009 ILP #: 10250

REACH

Reach #: 2.0 UTM(Zone/East/North): 9.543108.6099832 Sample Type: R

Length (km): .76 Gradient (%): 2.37 US Elev (m): 357 Order: 1 Magnitude: 1

Confinement: OC Coupling: DC Open water: A BGC Zone: ICH

Islands: N Bars: ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR Riparian Veg.: M Landuse: FR

SITE

Site #: 158 GIS UTM(Zone/East/North): 9 543403 6099910 Date: 2000/08/03 Agency: C172 Crew: BW/KT

Site Lg (m): 100 Ref. Name:

CHANNEL

No Vis.Ch.: ☐ Intermittent: ☐

Dw: ☐ Tribs.: ☐

	Avg	Min	Max	#
Channel Width (m):	14.50	2	30	6
Wetted Width (m):	14.50	2	30	6
Wb Depth (m):	1.00	1	1	3

	Avg %	Min %	Max %	#
Gadient %:	0.00	0	0	4
Pool Depth (m):	1.33	0.5	2	6

Stage: L ☐ M ☑ H ☐ Temp (C): 15 pH: 7.8 Cond.: 60 Turb.: ☐ T ☐ M ☑ L ☐ C

MORPHOLOGY

Bed Material: Dominant: F Subdom: NA Bars: ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR

D95: 0.01 D (cm): 0.01

Pattern: ST Islands: N

Coupling: DC Confinement: UN

Morph: LC

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: A FSZ: ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	S	N	N	D	T	T
Loc: P/S/O:	☑☐☐	☑☐☐	☐☐☐	☐☐☐	☑☐☐	☑☐☐	☑☐☐

CROWN CLOSURE 3 41-70%

LWD: N DIST: NA INSTREAM VEG: N ☐ A ☐ M ☑ V ☑

RB SHP: S Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A RIP: M STG: MF

LB SHP: S Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A RIP: M STG: MF

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo		AirPhoto		UTM (Zone/East/North/Method)			
103P.009	70564	BD	3.0	GE	25	GE	R:	F:	L:	#:	9	543154	6099841	GIS

Comments:

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
158	*EF*	1	50	110 sec	500	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	2.0	103P.009	10250	158

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: Local Name: None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103P.009 ILP #: 10250 NID Map #: 103P.009 NID #: 60564 Reach #: 2.0 Site #: 158

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: H
	9 543403 6099910	Ref. Name:		

Date: 2000/08/03 Time: 15:45 Agency: C172 Crew: BW/KT Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	GE	12.00	25.00	30.00	14.00	4.00	2.00					14.50
Wetted Width (m):	GE	12.00	25.00	30.00	14.00	4.00	2.00					14.50
Pool Depth (m):	GE	2.00	1.00	2.00	1.50	0.50	1.00					1.33

	Gadient %		Mtd	Avg
Method I:	0.0	0.0	C	0.00
Method II:	0.0	0.0	C	

Wb Depth:	1.0	1.0	1.0

Avg: 1.00 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	N	N	D	T	T
Loc: P/S/O:	☑☐☐	☑☐☐	☐☐☐	☐☐☐	☑☐☐	☑☐☐	☑☐☐

CROWN CLOSURE
3 41-70%
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: Req #:
Temp: 15 Method: T3 Cond.: 60 Method: S4
pH: 7.8 Method: P2 Turb.: ☐ T ☐ M ☑ L ☐ C Method: GE
Flood Signs: WATER IN TREES Method: GE

MORPHOLOGY

Bed Material: Dominant: F Subdom: NA
D95: 0.01 D (cm): 0.01 Morph: LC
Pattern: ST
Islands: N
Coupling: DC
Confinement: UN
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 (Zone/East/North/Method)
103P.009	70564	BD	3.0	GE	25	GE	R: F:	L: #:	9 543154 6099841 GIS

Comments:

HABITAT QUALITY

Name	Comments
Other	Rearing and overwintering habitat is abundant
Spawning Habitat	No spawning habitat present

PHOTOS

Photo	Foc Lg	Dir	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	2.0	103P.009	10250	158

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 9 F: 1	STD	U	Upstream photo showing beaver dams
R: 9 F: 2	STD	D	Downstream photo showing the influence of beaver dams

COMMENTS

Section	Comments
SITE CARD	Fish form 30526
CHANNEL	This stream has been heavily impacted by beaver activity. Effective electrofishing was not possible. Inferred fish bearing stream. None of the channel widths represent the actual stream size.

FDIS Fish Form

Watershed Code:	000-000000-00000-00000-0000-0000-000-000-000-000-000-000	Reach # 2.0	ILP Map # 103P.009	ILP # 10250

WATERBODY

Gazetted Name: Local: None
Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0
WS Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
Waterbody ID: ILP Map #: 103P.009 ILP #: 10250 Reach #: 2 -
Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/03 To: 2000/08/03 Agency: C172 Crew: BW/KT Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment
158	103P.009	60564					EF	1	15	60	C	

A. GEAR SETTINGS

Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
158	EF	1	1	2000/08/03	15:45	2000/08/03	16:05	

C. ELECTROFISHER SPECIFICATIONS.

Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
158	EF	1	1	O	110	50.0	2.0	500	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #158, Downstream photo showing the influence of beaver dams
Roll #9, Frame #2, Date: 2000/08/03

Site #158, Upstream photo showing beaver dams
Roll #9, Frame #1, Date: 2000/08/03

Stream Reach/Site Summary Report

Watershed Code:	Reach #	ILP Map #	ILP #
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	2.0	103I.089	10778

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** 103I.089 **ILP #:** 10778

REACH

Reach #: 2.0 **UTM(Zone/East/North):** 9.538899.6077260 **Sample Type:** R

Length (km): .90 **Gradient (%):** 8.33 **US Elev (m):** 322 **Order:** 1 **Magnitude:** 1

Confinement: FC **Coupling:** DC **Open water:** A **BGC Zone:** ICH

Islands: N **Bars:** ☑N ☐SIDE ☐DIAG ☐MID ☐SPAN ☐BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 601 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	539353	6077682

Date: 2000/08/01 **Agency:** C172 **Crew:** JD/EM **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	0.88	0.600	1.100	6
Wetted Width (m):	0.70	0.400	0.9	6
Wb Depth (m):	0.33	0.3	0.4	3

	Avg %	Min %	Max %	#
Gadient %:	2.50	2	3	4
Pool Depth (m):	0.20	0.100	0.300	6

Stage: L☐ M☑ H☐ **Temp (C):** 10 **pH:** 7.1 **Cond.:** 80 **Turb.:** ☐ T ☐ M ☑ L ☐ C

MORPHOLOGY

Bed Material: Dominant: F Subdom: C

D95: 10.00 D (cm): 3.00

Pattern: IR Islands: N

Coupling: DC Confinement: OC

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: A

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	T	N	T	T	S	D
Loc: P/S/O:	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐

FSZ: ☐

CROWN CLOSURE

2 21-40%

LWD: N **DIST:** NA **INSTREAM VEG:** N ☐ A ☐ M ☐ V ☑

RB SHP: S **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** YF

LB SHP: S **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** S **STG:** SHR

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
601	*EF*	1	100	287 sec	200	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	2.0	103I.089	10778	601

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103I.089 ILP #: 10778 NID Map #: 103I.089 NID #: 60001 Reach #: 2.0 Site #: 601

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: H
	9 539353 6077682	Ref. Name:		

Date: 2000/08/01 Time: 08:21 Agency: C172 Crew: JD/EM Fish Crd?: ☑ Incomplete: ☑

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	1.10	0.70	0.60	1.10	1.00	0.80					0.88
Wetted Width (m):	T	0.90	0.50	0.40	0.90	0.80	0.70					0.70
Pool Depth (m):	MS	0.20	0.15	0.30	0.29	0.10	0.16					0.20

	Gadient %		Mtd	Avg
Method I:	3.0	2.0	AL	2.50
Method II:	3.0	2.0	AL	

Wb Depth:	.3	.4	.3

Avg: 0.33 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	T	T	S	D
Loc: P/S/O:	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐

CROWN CLOSURE 2 21-40%
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: C
STG: YF

WATER

EMS:
Temp: 10 Method: T3
pH: 7.1 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 80 Method: S4
Turb.: ☐ T ☐ M ☑ L ☐ C Method: GE

MORPHOLOGY

Bed Material: Dominant: F Subdom: C
D95: 10.0 D (cm): 3.00 Morph: RP
Pattern: IR
Islands: N
Coupling: DC
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	No overwintering habitat present within sample site. Overwintering habitat present downstream
Rearing Habitat	Low value rearing habitat limited by low discharge, habitat complexity, fine substrates, and ephemeral nature
Spawning Habitat	No spawning habitat-fines overtop of cobbles

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 4 F: 1	STD	U	Upstream photo of overstream vegetation
R: 4 F: 2	STD	D	Downstream photo of overstream vegetation

COMMENTS

Section	Comments

FDIS Site Card

		Reach #	ILP Map #	ILP #	Site
Watershed Code:	000-000000-00000-00000-0000-0000-000-000-000-000-000-000	2.0	103I.089	10778	601

Section	Comments
SITE CARD	Fish Form 30496
CHANNEL	Large beaver dams may provide overwintering habitat
CHANNEL	No permanent barriers to upstream fish migration were identified. Numerous beaver dams present downstream may limit upstream fish migration.
CHANNEL	IS4* Stream

FDIS Fish Form

Watershed Code:	000-000000-00000-00000-0000-0000-000-000-000-000-000-000	Reach #	ILP Map #	ILP #
		2.0	103I.089	10778

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: 103I.089 ILP #: 10778 Reach #: 2 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/01 To: 2000/08/01 Agency: C172 Crew: EM/JD Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
601	103I.089	60001		EF 1	10	40	L	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
601	EF 1	1	2000/08/01	08:15	2000/08/01	08:50	

C. ELECTROFISHER SPECIFICATIONS.

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
601	EF 1	1	O	287	100.0	1.0	200	60	6	SMITH ROOT	12B

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
601	EF 1	1	NFC			0			No fish caught

COMMENTS

Section	Comments
WATERBODY	All available habitat within sample site was shocked

Site #601, Downstream photo of overstream vegetation
Roll #4, Frame #2, Date: 2000/08/01

Site #601, Upstream photo of overstream vegetation
Roll #4, Frame #1, Date: 2000/08/01

Stream Reach/Site Summary Report

Reach # ILP Map # ILP #

Watershed Code: 400-297600-00000-00000-0000-0000-000-000-000-000-000-000 1.0

STREAM REFERENCING

Gazetted Name: TAYLOR CREEK **Local Name:** TAYLOR CREEK

Watershed Code: 400-297600-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 1.0 **UTM(Zone/East/North):** 9.539719.6079255 **Sample Type:** R

Length (km): .81 **Gradient (%):** 3.46 **US Elev (m):** 156 **Order:** 3 **Magnitude:** 7

Confinement: OC **Coupling:** DC **Open water:** P **BGC Zone:** ICH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** OT

SITE

Site #: 602 **Site Lg (m):** 100

GIS UTM(Zone/East/North)		
9	540342	6079545

Date: 2000/08/01 **Agency:** C172 **Crew:** EM/JD **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	1.88	1.600	2.3	6
Wetted Width (m):	1.50	1.200	1.8	6
Wb Depth (m):	0.47	0.4	0.5	3

	Avg %	Min %	Max %	#
Gadient %:	4.25	5	6	4
Pool Depth (m):	0.18	0.100	0.300	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 12 **pH:** 7.1 **Cond.:** 80 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: C Subdom: G

D95: 20.00 D (cm): 15.00

Pattern: IR Islands: N

Coupling: DC Confinement: OC

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	T	T	D	S	S	T
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐

FSZ: ☐

CROWN CLOSURE 2 21-40%

LWD: N **DIST:** E **INSTREAM VEG:** N ☐ A ☐ M ☑ V ☐

RB SHP: O **Texture:** ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** YF

LB SHP: S **Texture:** ☑ F ☑ G ☐ C ☐ B ☐ R ☐ A **RIP:** D **STG:** PS

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo				AirPhoto				UTM (Zone/East/North/Method)			
103I.089	88001	CV	.9	GE	20	GE	R:	4	F:	3	L:		#:		9	540305	6079550	GIS

Comments: Barrier to fish-1.5m drop with no plunge pool. Culvert located at railway crossing

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
602	*EF*	1	180	417 sec	200	NFC	0		
602	*EF*	1	100	151 sec	200	CO	10	45	68
602	*EF*	1	100	151 sec	200	CH	2	60	75

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-297600-00000-00000-0000-0000-000-000-000-000-000-000	1.0			602

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: TAYLOR CREEK Local Name: TAYLOR CREEK
Watershed Code: 400-297600-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103I.089 NID #: 60002 Reach #: 1.0 Site #: 602

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: H
	9 540342 6079545	Ref. Name:		

Date: 2000/08/01 Time: 09:08 Agency: C172 Crew: EM/JD Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	1.80	2.20	1.60	1.70	2.30	1.70					1.88
Wetted Width (m):	T	1.70	1.50	1.30	1.20	1.80	1.50					1.50
Pool Depth (m):	MS	0.20	0.30	0.20	0.10	0.15	0.15					0.18

	Gadient %		Mtd	Avg
Method I:	6.0	5.0	AL	4.25
Method II:	3.0	3.0	AL	

Wb Depth:	.4	.5	.5

Avg: 0.47 Method: MS Stage: L ☐ M ☑ H ☐

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

COVER Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	T	T	D	S	S	T
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐

CROWN CLOSURE
2 21-40%

INSTREAM VEG: N ☐ A ☐ M ☑ V ☐

LWD: N DIST: E

LB SHP: S
Texture: ☑ F ☑ G ☐ C ☐ B ☐ R ☐ A
RIP: D
STG: PS

RB SHP: O
Texture: ☑ F ☐ G ☐ C ☐ B ☐ R ☐ A
RIP: C
STG: YF

WATER

EMS:
Temp: 12 Method: T3
pH: 7.1 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 80 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: C Subdom: G
D95: 20.0 D (cm): 15.00 Morph: RP
Pattern: IR
Islands: N
Coupling: DC
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

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo				AirPhoto				UTM (Zone/East/North/Method)			
103I.089	88001	CV	.9	GE	20	GE	R:	4	F:	3	L:		#:		9	540305	6079550	GIS

Comments: Barrier to fish-1.5m drop with no plunge pool. Culvert located at railway crossing

HABITAT QUALITY

Name	Comments
OverWinter Habitat	Moderate overwintering habitat in beaver ponds upstream of the railway crossing. Organic matter may limit DO in ponds over the winter.
Rearing Habitat	High quality rearing habitat upstream of the railway crossing. Great habitat for coho. Great off channel rearing habitat with ponds and LWD
Spawning Habitat	Low quality spawning habitat-limited to the lower 150 m of stream

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-297600-00000-00000-0000-0000-000-000-000-000-000-000	1.0			602

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	4	F:	3	STD	U	Upstream photo of concrete culverts-barrier to upstream fish migration
R:	4	F:	4	STD	D	Downstream photo of the lower 50 m of stream
R:	4	F:	6	STD	U	Upstream photo of the habitat above the railway crossing
R:	4	F:	7	STD	U	Upstream photo of the culvert immediately above the railway crossing

COMMENTS

Section	Comments
SITE CARD	Fish Form 30495
CHANNEL	CH, CO Captured below the railway crossing. Railway crossing blocks upstream fish migration. Fish may be present in the beaver ponds upstream of the railway crossing
CHANNEL	S3 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-297600-00000-00000-0000-0000-000-000-000-000-000-000 1.0

WATERBODY

Gazetted Name: TAYLOR CREEK Local: TAYLOR CREEK

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-297600-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 1 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/01 To: 2000/08/01 Agency: C172 Crew: EM/JD Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment
602	103I.089	60002					EF	2	12	80	C	Above Culvert
602	103I.089	60002					EF	1	12	80	C	Below Culvert

A. GEAR SETTINGS

Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
602	EF	2	1	2000/08/01	09:45	2000/08/01	10:30	
602	EF	1	1	2000/08/01	09:08	2000/08/01	09:45	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
602	EF	2	1	O	417	180.0	1.8	200	60	6	SMITH ROOT	12B
602	EF	1	1	O	151	100.0	2.0	200	60	6	SMITH ROOT	12B

FISH SUMMARY

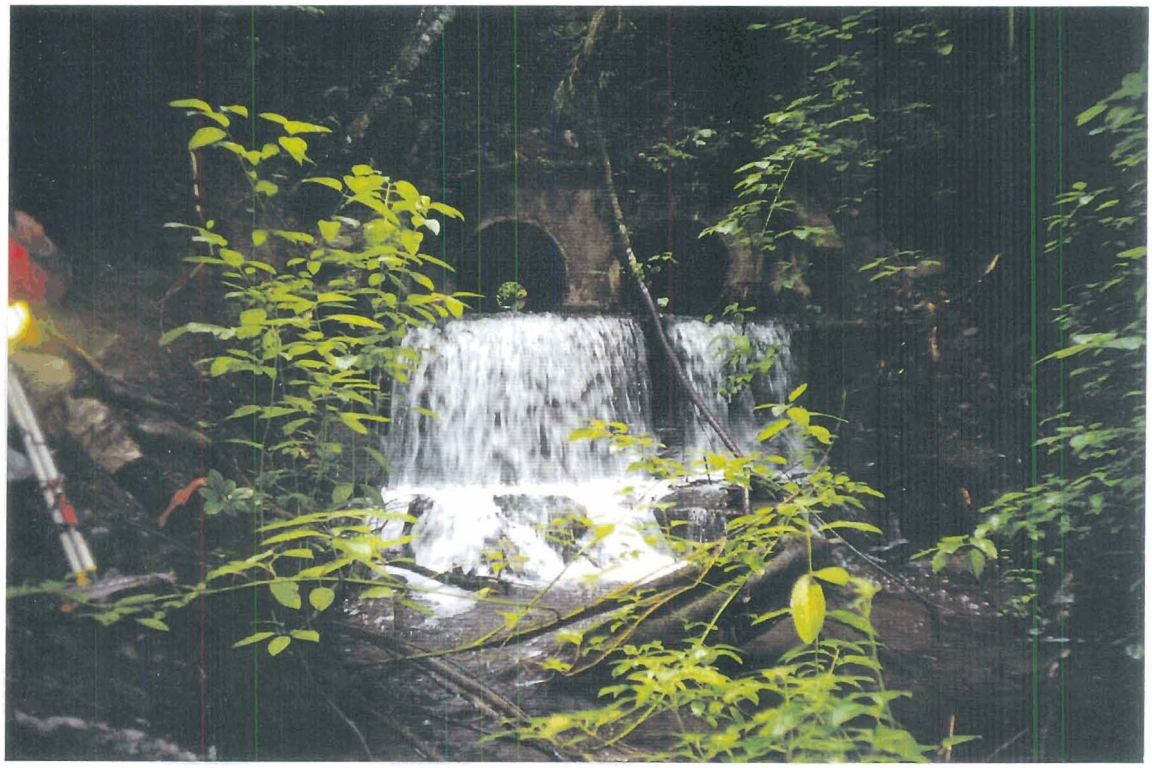
Site#	MTD/NO		H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment
602	EF	2	1	NFC			0				Above Culvert
602	EF	1	1	CH	J		2	60	75	R	Below Culvert
602	EF	1	1	CO	J		10	45	68	R	Below Culvert

INDIVIDUAL FISH DATA

Site#	MTD/NO		H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment
									Str/Smpl#/Age				Str/Smpl#				
602	EF	1	1	CO	51		U	U									
602	EF	1	1	CO	56		U	U							4	5	Photo of coho on anode ring
602	EF	1	1	CO	61		U	U									
602	EF	1	1	CO	45		U	U									
602	EF	1	1	CO	49		U	U									
602	EF	1	1	CO	63		U	U									
602	EF	1	1	CO	48		U	U									
602	EF	1	1	CO	68		U	U									
602	EF	1	1	CO	53		U	U									
602	EF	1	1	CO	65		U	U									
602	EF	1	1	CH	60		U	U									
602	EF	1	1	CH	75		U	U									

Site #602, Upstream photo of the culvert immediately above the railway crossing
Roll #4, Frame #7, Date: 2000/08/01

Site #602, Downstream photo of the lower 50 m of stream
Roll #4, Frame #4, Date: 2000/08/01



Site #602, Upstream photo of concrete culverts-barrier to upstream fish migration
Roll #4, Frame #3, Date: 2000/08/01

Site #602, Upstream photo of the habitat above the railway crossing
Roll #4, Frame #6, Date: 2000/08/01

Site #602, Photo of a coho on electrofisher ring
Roll #4, Frame #5, Date: 2000/08/01

Stream Reach/Site Summary Report

Reach # ILP Map # ILP #

Watershed Code: 400-301700-28100-00000-0000-0000-000-000-000-000-000-000 2.0

STREAM REFERENCING

Gazetted Name: SOUTH LORNE CREEK **Local Name:** South Lorne Creek

Watershed Code: 400-301700-28100-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 2.0 **UTM(Zone/East/North):** 9.533114.6080776 **Sample Type:** B

Length (km): .98 **Gradient (%):** 9.18 **US Elev (m):** 558 **Order:** 3 **Magnitude:** 59

Confinement: CO **Coupling:** CO **Open water:** A **BGC Zone:** CWH

Islands: N **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 603 **Site Lg (m):** 400

GIS UTM(Zone/East/North)		
9	533574	6081057

Date: 2000/08/01 **Agency:** C172 **Crew:** JD/EM **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	30.42	27	33	6
Wetted Width (m):	44.50	10	111	6
Wb Depth (m):	1.90	1.5	2.4	3

	Avg %	Min %	Max %	#
Gadient %:	11.25	10	12	4
Pool Depth (m):	0.72	0.400	0.9	6

Stage: L ☑ M ☐ H ☐ **Temp (C):** 7 **pH:** 7.2 **Cond.:** 60 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: B Subdom: C

D95: 90.00 D (cm): 45.00

Pattern: IR Islands: N

Coupling: CO Confinement: CO

Morph: CP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☑	☐	☐	☐	☐	☐	☐	☐

COVER

Total: A

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	T	D	N	S	N	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

0 0%

LWD: N **DIST:** E **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: S Texture: ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A RIP: C STG: MF

LB SHP: S Texture: ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A RIP: D STG: PS

FISH

Site Number	Capture Method	Number of Events	Total Length (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
603	EF	1	400	745 sec	500	NFC	0		

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
2.0			603

Watershed Code: 400-301700-28100-00000-0000-0000-000-000-000-000-000-000

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: SOUTH LORNE CREEK
Local Name: South Lorne Creek
Watershed Code: 400-301700-28100-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103I.088 NID #: 60003 Reach #: 2.0 Site #: 603

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 400	Method: HC	Access: H
	9 533574 6081057	Ref. Name:		

Date: 2000/08/01 Time: 10:35 Agency: C172 Crew: JD/EM Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	31.50	32.00	33.00	31.00	28.00	27.00					30.42
Wetted Width (m):	T	11.00	12.00	13.00	10.00	110.00	111.00					44.50
Pool Depth (m):	MS	0.90	0.40	0.60	0.70	0.80	0.90					0.72

	Gadient %		Mtd	Avg
Method I:	10.0	12.0	AL	11.25
Method II:	11.0	12.0	AL	

Wb Depth:	1.5	2.4	1.8

Avg: 1.90 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	N	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐

CROWN CLOSURE 0 0%
INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: N DIST: E

LB SHP: S
Texture: ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A
RIP: D
STG: PS

RB SHP: S
Texture: ☐ F ☐ G ☑ C ☐ B ☐ R ☐ A
RIP: C
STG: MF

WATER

EMS:
Temp: 7 Method: T3
pH: 7.2 Method: P2
Flood Signs: LWD ON ELEVATE Method: GE

Req #:
Cond.: 60 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: B Subdom: C
D95: 90.0 D (cm): 45.00 Morph: CP
Pattern: IR
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	Moderate overwintering habitat- Cascade pool type morphology
Rearing Habitat	Poor rearing habitat-majority of water is too fast with very little holding water,high energy disturbed stream
Spawning Habitat	Poor spawning habitat-disturbed channel, bed movement, and large substrates

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 4 F: 8	STD	U	Upstream photo of a high energy section of stream with LWD rafted on bars
R: 4 F: 9	STD	D	Downstream photo of elevated bars

COMMENTS

Section	Comments

FDIS Site Card

		Reach #	ILP Map #	ILP #	Site
Watershed Code:	400-301700-28100-00000-0000-0000-000-000-000-000-000-000	2.0			603

Section	Comments
SITE CARD	Fish form 30494
CHANNEL	No fish captured above barriers located in downstream reaches
CHANNEL	S5 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-301700-28100-00000-0000-0000-000-000-000-000-000-000 2.0

WATERBODY

Gazetted Name: SOUTH LORNE CREEK Local: South Lorne Creek

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-301700-28100-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 2 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/01 To: 2000/08/01 Agency: C172 Crew: EM/JD Resample:

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment
603	103I.088	60003					EF	1	7	60	C	

A. GEAR SETTINGS

Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
603	EF	1	1	2000/08/01	10:30	2000/08/01	11:15	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
603	EF	1	1	O	745	400.0	7.0	500	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #603, Downstream photo of elevated bars
Roll #4, Frame #9, Date: 2000/08/01

Site #603, Upstream photo of a high energy section of stream with LWD rafted on bars
Roll #4, Frame #8, Date: 2000/08/01

Stream Reach/Site Summary Report

Reach # ILP Map # ILP #

Watershed Code: 400-301700-28100-00000-0000-0000-000-000-000-000-000-000 1.0

STREAM REFERENCING

Gazetted Name: SOUTH LORNE CREEK **Local Name:** South Lorne Creek

Watershed Code: 400-301700-28100-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 1.0 **UTM(Zone/East/North):** 9.533846.6081288 **Sample Type:** B

Length (km): .49 **Gradient (%):** 16.73 **US Elev (m):** 468 **Order:** 3 **Magnitude:** 63

Confinement: CO **Coupling:** CO **Open water:** A **BGC Zone:** CWH

Islands: N **Bars:** ☑N ☐SIDE ☐DIAG ☐MID ☐SPAN ☐BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 604 **Site Lg (m):** 300

GIS UTM(Zone/East/North)		
9	534135	6081581

Date: 2000/08/01 **Agency:** C172 **Crew:** EM/JD **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	22.57	18	26	6
Wetted Width (m):	9.20	7	11.10	6
Wb Depth (m):	2.70	2.5	3	3

	Avg %	Min %	Max %	#
Gadient %:	16.00	15	16	4
Pool Depth (m):	0.78	0.7	0.9	6

Stage: L☑ M☐ H☐ **Temp (C):** 7 **pH:** 7.2 **Cond.:** 60 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: B Subdom: C

D95: 150.00 D (cm): 80.00

Pattern: IR Islands: N

Coupling: CO Confinement: CO

Morph: CP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: A **FSZ:** ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	T	D	N	S	N	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐

CROWN CLOSURE 1 1-20%

LWD: F **DIST:** E **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: V **Texture:** ☐ F ☐ G ☑ C ☑ B ☐ R ☐ A **RIP:** C **STG:** MF

LB SHP: S **Texture:** ☐ F ☐ G ☑ C ☑ B ☐ R ☐ A **RIP:** C **STG:** MF

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo				AirPhoto				UTM (Zone/East/North/Method)			
103I.088	88002	C	50.0	GE	150	GE	R:	4	F:	11	L:		#:		9	533923	6081428	GIS
Comments:	Cascade is impassible to fish																	

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
604	*EF*	1	300	401 sec	300	BT	3	220	280

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-301700-28100-00000-0000-0000-000-000-000-000-000-000	1.0			604

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: SOUTH LORNE CREEK Local Name: South Lorne Creek
Watershed Code: 400-301700-28100-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103I.088 NID #: 60004 Reach #: 1.0 Site #: 604

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 300	Method: HC	Access: H
	9 534135 6081581	Ref. Name:		

Date: 2000/08/01 Time: 11:20 Agency: C172 Crew: EM/JD Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	22.50	18.00	21.30	23.00	24.60	26.00					22.57
Wetted Width (m):	T	11.10	10.00	9.70	8.50	7.00	8.90					9.20
Pool Depth (m):	MS	0.70	0.80	0.80	0.90	0.70	0.80					0.78

	Gadient %		Mtd	Avg
Method I:	15.0	16.0	AL	16.00
Method II:	18.0	15.0	AL	

Wb Depth:	2.5	3.0	2.6

Avg: 2.70 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	N	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☐☐☐	☐☐☐

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: V
Texture: ☐ F ☐ G ☑ C ☑ B ☐ R ☐ A
RIP: C
STG: MF

WATER

EMS:
Temp: 7 Method: T3
pH: 7.2 Method: P2
Flood Signs: RAFTED LWD Method: GE

Req #:
Cond.: 60 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: B Subdom: C
D95: 150.0 D (cm): 80.00 Morph: CP
Pattern: IR
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

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)
103I.088	88002	C	50.0	GE	150	GE	R: 4 F: 11	L: #:	9 533923 6081428 GIS

Comments: Cascade is impassible to fish

HABITAT QUALITY

Name	Comments
OverWinter Habitat	Moderate overwintering habitat in cascade pool sections of stream
Rearing Habitat	Poor rearing habitat-high gradient and high energy
Spawning Habitat	Poor spawning habitat-large substrates, high gradient, and high energy

PHOTOS

Photo	Foc Lg	Dir	Comments

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
1.0			604

Watershed Code: 400-301700-28100-00000-0000-0000-000-000-000-000-000-000

Photo				Foc Lg	Dir	Comments
R:	4	F:	10	STD	U	Upstream photo of high energy section of stream
R:	4	F:	11	STD	U	Upstream photo of lower portion of cascades
R:	4	F:	12	STD	D	Downstream photo of boulder cascade habitat

COMMENTS

Section	Comments
SITE CARD	Fish form 30493
CHANNEL	Bull trout captured below cascades. Cascades are impassible to upstream fish migration.
CHANNEL	S1 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-301700-28100-00000-0000-0000-000-000-000-000-000-000 1.0

WATERBODY

Gazetted Name: SOUTH LORNE CREEK Local: South Lorne Creek
Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0
WS Code: 400-301700-28100-00000-0000-0000-000-000-000-000-000-000
Waterbody ID: ILP Map #: ILP #: Reach #: 1 -
Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/01 To: 2000/08/01 Agency: C172 Crew: EM/JD Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
604	103I.088	60004		EF 1	7	60	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
604	EF 1	1	2000/08/01	11:20	2000/08/01	12:00	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
604	EF 1	1	O	401	300.0	10.0	300	40	4	SMITH ROOT	12B

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
604	EF 1	1	BT	A		3	220 280	R	Fish caught below cascade section above confluence

INDIVIDUAL FISH DATA

Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age Str/Smpl#/Age	Vch#	Genetic Str/Smpl#	Roll #	Frame#	Comment
604	EF 1	1	BT	280		U	U				4	13	Bull trout
604	EF 1	1	BT	220		U	U						
604	EF 1	1	BT	240		U	U						

Site #604, Upstream photo of high energy section of stream
Roll #4, Frame #10, Date: 2000/08/01

Site #604, Upstream photo of lower portion of cascades
Roll #4, Frame #11, Date: 2000/08/01

Site #604, Downstream photo of boulder cascade habitat
Roll #4, Frame #12, Date: 2000/08/01

Site #604, Photo of a bull trout caught at this site
Roll #4, Frame #13, Date: 2000/08/01

Stream Reach/Site Summary Report

Reach # ILP Map # ILP #

Watershed Code: 400-301700-28100-00000-0000-0000-000-000-000-000-000-000 4.0

STREAM REFERENCING

Gazetted Name: SOUTH LORNE CREEK **Local Name:** South Lorne Creek

Watershed Code: 400-301700-28100-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 4.0 **UTM(Zone/East/North):** 9.526563.6077840 **Sample Type:** B

Length (km): 5.44 **Gradient (%):** 6.36 **US Elev (m):** 1198 **Order:** 3 **Magnitude:** 39

Confinement: FC **Coupling:** CO **Open water:** A **BGC Zone:** MH

Islands: NV **Bars:** ☑N ☐SIDE ☐DIAG ☐MID ☐SPAN ☐BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 605 **Site Lg (m):** 300

GIS UTM(Zone/East/North)		
9	526996	6077803

Date: 2000/08/01 **Agency:** C172 **Crew:** EM/JD **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	5.80	4.800	6.400	6
Wetted Width (m):	4.90	4.2	5.6	6
Wb Depth (m):	0.77	0.7	0.8	3

	Avg %	Min %	Max %	#
Gadient %:	5.50	5	6	4
Pool Depth (m):	0.31	0.25	0.41	6

Stage: L☐ M☑ H☐ **Temp (C):** 6 **pH:** 7.2 **Cond.:** 60 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: G Subdom: C

D95: 30.00 D (cm): 30.00

Pattern: IM Islands: N

Coupling: PC Confinement: UN

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☑	☐	☐	☐	☐	☐	☐

COVER

Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	D	S	T	T	S	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

1 1-20%

LWD: F **DIST:** E **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: S **Texture:** ☐ F ☑ G ☑ C ☐ B ☐ R ☐ A **RIP:** S **STG:** SHR

LB SHP: S **Texture:** ☐ F ☑ G ☑ C ☐ B ☐ R ☐ A **RIP:** C **STG:** PS

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-301700-28100-00000-0000-0000-000-000-000-000-000-000	4.0			605

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER — Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: SOUTH LORNE CREEK — Local Name: South Lorne Creek
Watershed Code: 400-301700-28100-00000-0000-0000-000-000-000-000-000-000
ILP Map#: — ILP #: — NID Map #: 103I.088 — NID #: 60005 — Reach #: 4.0 — Site #: 605

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 300	Method: HC	Access: H
	9 526996 6077803	Ref. Name:		

Date: 2000/08/01 — Time: 12:05 — Agency: C172 — Crew: EM/JD — Fish Crd?: ☑ — Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	5.60	6.30	4.80	5.50	6.20	6.40					5.80
Wetted Width (m):	T	4.80	5.30	4.20	4.40	5.10	5.60					4.90
Pool Depth (m):	MS	0.41	0.38	0.25	0.32	0.26	0.27					0.31

	Gadient %		Mtd	Avg
Method I:	6.0	5.0	AL	5.50
Method II:	5.0	6.0	AL	

Wb Depth:	.7	.8	.8	Avg: 0.77	Method: MS	Stage: L☐ M☑ H☐	No Vis.Ch.: ☐	Intermittent: ☐
							Dw: ☐	Tribs.: ☐

COVER — Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	D	S	T	T	S	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐

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: PS

RB SHP: S
Texture: ☐ F ☑ G ☑ C ☐ B ☐ R ☐ A
RIP: S
STG: SHR

WATER

EMS:
Temp: 6 — Method: T3
pH: 7.2 — Method: P2
Flood Signs: BRAIDED CHANNE — Method: GE

Req #:
Cond.: 60 — Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C — Method: GE

MORPHOLOGY

Bed Material: — Dominant: G — Subdom: C
D95: 30.0 — D (cm): 30.00 — Morph: RP
Pattern: IM
Islands: N
Coupling: PC
Confinement: UN
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	No overwintering habitat observed
Rearing Habitat	Poor quality rearing habitat-subject to low flows in the winter, shallow depth, lack of holding water
Spawning Habitat	High quality spawning habitat-gravels are abundant, flows adequate and compaction low

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 4 F: 14	STD	U	Upstream photo of crew member shocking in riffle habitat
R: 4 F: 15	STD	D	Downstream photo of riffle habitat

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-301700-28100-00000-0000-0000-000-000-000-000-000-000	4.0			605

Section	Comments
SITE CARD	Fish form 30492
CHANNEL	Cascades in Reach 1 prevent upstream fish migration
CHANNEL	S5 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-301700-28100-00000-0000-0000-000-000-000-000-000-000 4.0

WATERBODY

Gazetted Name: SOUTH LORNE CREEK **Local:** South Lorne Creek
Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0
WS Code: 400-301700-28100-00000-0000-0000-000-000-000-000-000-000
Waterbody ID: **ILP Map #:** **ILP #:** **Reach #:** 4 -
Project ID: 3476 **Lake/Stream:** S **Lake From Date:**

Fish Permit #: 25350K **Date:** 2000/08/01 **To:** 2000/08/01 **Agency:** C172 **Crew:** EM/JD **Resample:** ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
606	103I.088	60006		EF 1	6	60	C	
605	103I.088	60005		EF 1	6	60	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
606	EF 1	1	2000/08/01	12:40	2000/08/01	13:45	
605	EF 1	1	2000/08/01	12:05	2000/08/01	12:35	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
606	EF 1	1	O	426	300.0	6.0	500	60	6	SMITH ROOT	12B
605	EF 1	1	O	610	300.0	5.0	500	60/40	6/4	SMITH ROOT	12B

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
606	EF 1	1	NFC			0			
605	EF 1	1	NFC			0			No Fish caught

COMMENTS

Section	Comments
WATERBODY	Changed frequency and pulse to be sure no fish were here.

Site #605, Downstream photo of riffle habitat
Roll #4, Frame #15, Date: 2000/08/01

Site #605, Upstream photo of crew member shocking in riffle habitat
Roll #4, Frame #14, Date: 2000/08/01

Stream Reach/Site Summary Report

Reach # ILP Map # ILP #

Watershed Code: 400-301700-28100-00000-0000-0000-000-000-000-000-000-000 4.0

SITE

Site #: 606 | GIS UTM(Zone/East/North): 9 529272 6078417 | Date: 2000/08/01 | Agency: C172 | Crew: EM/JD

Site Lg (m): 300 | Ref. Name:

CHANNEL

No Vis.Ch.: ☐ Intermittent: ☐

Dw: ☐ Tribs.: ☐

	Avg	Min	Max	#
Channel Width (m):	15.93	13.60	21.20	6
Wetted Width (m):	6.88	5.800	8.100	6
Wb Depth (m):	2.43	2.3	2.6	3

	Avg %	Min %	Max %	#
Gadient %:	8.75	8	10	4
Pool Depth (m):	0.44	0.29	0.610	6

Stage: L☐ M☑ H☐ Temp (C): 6 pH: 7.2 Cond.: 60 Turb.: ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: B Subdom: C

D95: 60.00 D (cm): 45.00

Pattern: IR Islands: N

Coupling: CO Confinement: FC

Morph: CP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: A

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	D	T	S	T	N
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE 0 0%

LWD: N DIST: NA INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

RB SHP: V Texture: ☐ F ☑ G ☑ C ☐ B ☐ R ☐ A RIP: S STG: SHR

LB SHP: V Texture: ☐ F ☑ G ☑ C ☐ B ☐ R ☐ A RIP: S STG: SHR

FISH

Site Number	Capture Method	Number of Events	Total Length (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
605	EF	1	300	610 sec	500	NFC	0		
606	EF	1	300	426 sec	500	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-301700-28100-00000-0000-0000-000-000-000-000-000-000	4.0			606

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER **Project Code:** 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: SOUTH LORNE CREEK **Local Name:** South Lorne Creek
Watershed Code: 400-301700-28100-00000-0000-0000-000-000-000-000-000-000
ILP Map#: **ILP #:** **NID Map #:** 103I.088 **NID #:** 60006 **Reach #:** 4.0 **Site #:** 606

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 300	Method: HC	Access: H
	9 529272 6078417	Ref. Name:		

Date: 2000/08/01 **Time:** 13:04 **Agency:** C172 **Crew:** EM/JD **Fish Crd?:** ☑ **Incomplete:** ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	15.10	17.20	13.60	14.90	21.20	13.60					15.93
Wetted Width (m):	T	6.50	7.20	6.30	8.10	5.80	7.40					6.88
Pool Depth (m):	MS	0.42	0.50	0.61	0.36	0.29	0.45					0.44

	Gadient %		Mtd	Avg
Method I:	10.0	8.0	AL	8.75
Method II:	8.0	9.0	AL	

Wb Depth:	2.6	2.4	2.3	Avg: 2.43	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	N	D	T	S	T	N
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐

CROWN CLOSURE 0 0%

INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: N **DIST:** NA

LB SHP: V
Texture: ☐ F ☑ G ☑ C ☐ B ☐ R ☐ A
RIP: S
STG: SHR

RB SHP: V
Texture: ☐ F ☑ G ☑ C ☐ B ☐ R ☐ A
RIP: S
STG: SHR

WATER

EMS:
Temp: 6 Method: T3
pH: 7.2 Method: P2
Flood Signs: RAFTED DEBRIS Method: GE

Req #:
Cond.: 60 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: B Subdom: C
D95: 60.0 D (cm): 45.00 Morph: CP
Pattern: IR
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

HABITAT QUALITY

Name	Comments
Spawning Habitat	Poor spawning habitat-large substrates, high gradient
OverWinter Habitat	Poor overwintering habitat-very few pools with enough depth to overwinter fish
Rearing Habitat	Poor rearing habitat-high energy, lack of holding water, subject to low flows in the winter

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 4 F: 16	STD	U	Upstream photo of a cascade section of stream
R: 4 F: 17	STD	D	Downstream photo of a cascade section of stream

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-301700-28100-00000-0000-0000-000-000-000-000-000-000	4.0			606

Section	Comments
SITE CARD	30491
CHANNEL	Cascades in Reach 1 prevent upstream fish migration to this reach
CHANNEL	S5 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-301700-28100-00000-0000-0000-000-000-000-000-000-000 4.0

WATERBODY

Gazetted Name: SOUTH LORNE CREEK Local: South Lorne Creek
Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0
WS Code: 400-301700-28100-00000-0000-0000-000-000-000-000-000-000
Waterbody ID: ILP Map #: ILP #: Reach #: 4 -
Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/01 To: 2000/08/01 Agency: C172 Crew: EM/JD Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment
606	103I.088	60006					EF	1	6	60	C	
605	103I.088	60005					EF	1	6	60	C	

A. GEAR SETTINGS

Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
606	EF	1	1	2000/08/01	12:40	2000/08/01	13:45	
605	EF	1	1	2000/08/01	12:05	2000/08/01	12:35	

C. ELECTROFISHER SPECIFICATIONS

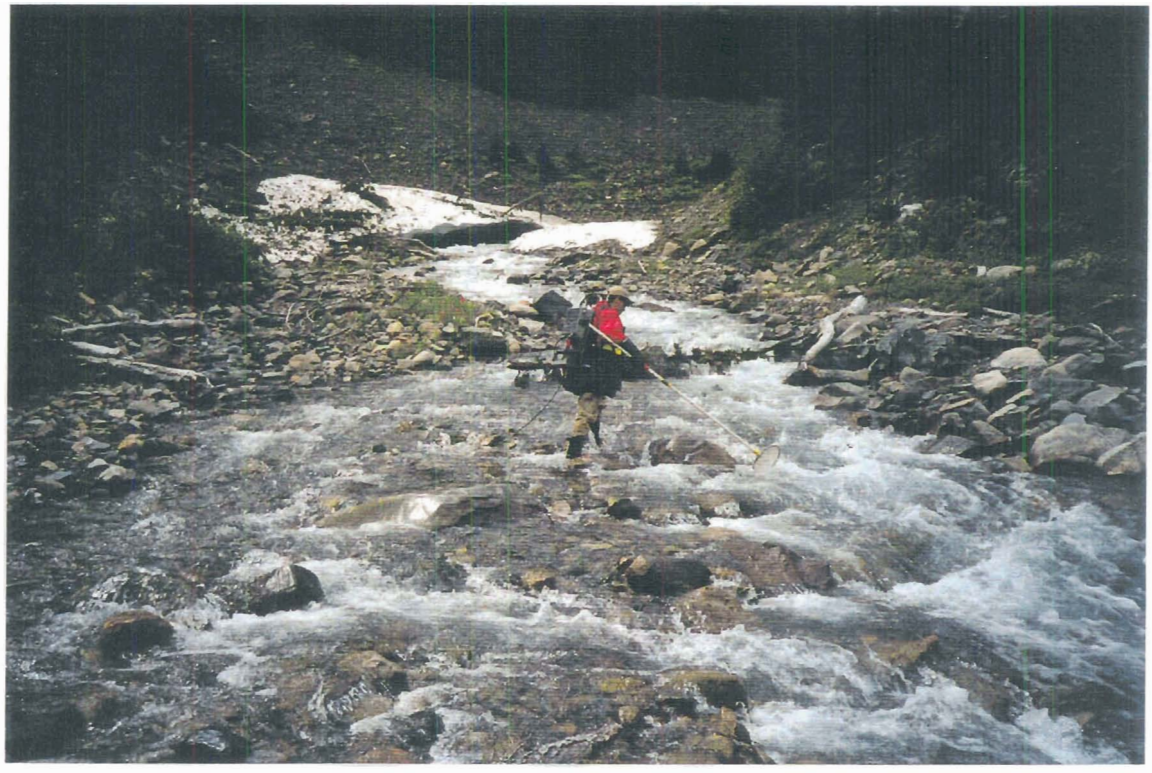
Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
606	EF	1	1	O	426	300.0	6.0	500	60	6	SMITH ROOT	12B
605	EF	1	1	O	610	300.0	5.0	500	60/40	6/4	SMITH ROOT	12B

FISH SUMMARY

Site#	MTD/NO		H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment
606	EF	1	1	NFC			0				
605	EF	1	1	NFC			0				No Fish caught

COMMENTS

Section	Comments
WATERBODY	Changed frequency and pulse to be sure no fish were here.



Site #606, Upstream photo of a cascade section of stream
Roll #4, Frame #16, Date: 2000/08/01

Site #606, Downstream photo of a cascade section of stream
Roll #4, Frame #17, Date: 2000/08/01

Stream Reach/Site Summary Report

Reach # ILP Map # ILP #

Watershed Code: 400-301700-65700-00000-0000-0000-000-000-000-000-000-000 4.0

STREAM REFERENCING

Gazetted Name: **Local Name:** None

Watershed Code: 400-301700-65700-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 4.0 **UTM(Zone/East/North):** 9.528508.6086135 **Sample Type:** B

Length (km): .57 **Gradient (%):** 6.14 **US Elev (m):** 1322 **Order:** 2 **Magnitude:** 2

Confinement: FC **Coupling:** PC **Open water:** A **BGC Zone:** AT

Islands: NV **Bars:** ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR **Riparian Veg.:** S **Landuse:** NO

SITE

Site #: 607 **Site Lg (m):** 200

GIS UTM(Zone/East/North)		
9	528468	6085949

Date: 2000/08/01 **Agency:** C172 **Crew:** EM/JD **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	1.64	1.52	1.820	6
Wetted Width (m):	1.28	1.16	1.41	6
Wb Depth (m):	0.43	0.4	0.5	3

	Avg %	Min %	Max %	#
Gadient %:	10.00	8	12	4
Pool Depth (m):	0.24	0.200	0.270	6

Stage: L ☐ M ☑ H ☐ **Temp (C):** 7 **pH:** 7.1 **Cond.:** 30 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: B Subdom: C

D95: 80.00 D (cm): 20.00

Pattern: SI Islands: N

Coupling: CO Confinement: CO

Morph: CP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	D	T	T	S	N
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE 0 0%

LWD: N DIST: NA INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

RB SHP: V Texture: ☐ F ☑ G ☑ C ☐ B ☐ R ☐ A RIP: G STG: INIT

LB SHP: V Texture: ☐ F ☑ G ☑ C ☐ B ☐ R ☐ A RIP: S STG: SHR

FISH

Site Number	Capture Method	Number of Events	Total Length (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
607	EF	1	200	369 sec	400	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-301700-65700-00000-0000-0000-000-000-000-000-000-000	4.0			607

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: None
Watershed Code: 400-301700-65700-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103I.098 NID #: 60007 Reach #: 4.0 Site #: 607

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 200	Method: HC	Access: H
	9 528468 6085949	Ref. Name:		

Date: 2000/08/01 Time: 14:06 Agency: C172 Crew: EM/JD Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	1.61	1.54	1.82	1.64	1.73	1.52					1.64
Wetted Width (m):	T	1.31	1.26	1.24	1.16	1.32	1.41					1.28
Pool Depth (m):	MS	0.20	0.21	0.25	0.26	0.27	0.24					0.24

	Gadient %		Mtd	Avg
Method I:	8.0	12.0	AL	10.00
Method II:	10.0	10.0	AL	

Wb Depth:	.4	.4	.5	Avg: 0.43	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	D	T	T	S	N
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
0 0%
INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: N DIST: NA

LB SHP: V
Texture: ☐ F ☑ G ☑ C ☐ B ☐ R ☐ A
RIP: S
STG: SHR

RB SHP: V
Texture: ☐ F ☑ G ☑ C ☐ B ☐ R ☐ A
RIP: G
STG: INIT

WATER

EMS:
Temp: 7 Method: T3
pH: 7.1 Method: P2
Flood Signs: NONE Method: GE

Req #:
Cond.: 30 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: B Subdom: C
D95: 80.0 D (cm): 20.00 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 is present in upstream pond
Spawning Habitat	Poor spawning habitat-large compact substrates
Rearing Habitat	Moderate rearing habitat limited by gradient and lack of deep pool habitat

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 4 F: 18	STD	U	Upstream photo of lake outlet
R: 4 F: 19	STD	D	Downstream photo of crew member shocking riffle habitat

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-301700-65700-00000-0000-0000-000-000-000-000-000-000	4.0			607

Section	Comments
SITE CARD	Fish form 30490
CHANNEL	Gradient in Reach 1 prevents fish access to this reach
CHANNEL	S6 Stream

FDIS Fish Form

Reach #	ILP Map #	ILP #
4.0		

Watershed Code: 400-301700-65700-00000-0000-0000-000-000-000-000-000-000

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-301700-65700-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 4 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/01 To: 2000/08/01 Agency: C172 Crew: EM/JD Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
607	103I.098	60007		EF 1	7	30	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
607	EF 1	1	2000/08/01	14:06	2000/08/01	14:40	

C. ELECTROFISHER SPECIFICATIONS.

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
607	EF 1	1	O	369	200.0	1.6	400	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #607, Upstream photo of lake outlet
Roll #4, Frame #18, Date: 2000/08/01

Site #607, Downstream photo of crew member shocking riffle habitat
Roll #4, Frame #19, Date: 2000/08/01

Stream Reach/Site Summary Report

	Reach #	ILP Map #	ILP #
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000	2.0	103I.098	10885

STREAM REFERENCING

Gazetted Name: Local Name: None

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 ILP Map #: 103I.098 ILP #: 10885

REACH

Reach #: 2.0 UTM(Zone/East/North): 9.528926.6086251 Sample Type: R

Length (km): .77 Gradient (%): 7.79 US Elev (m): 1388 Order: 1 Magnitude: 1

Confinement: FC Coupling: PC Open water: A BGC Zone: AT

Islands: NV Bars: ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR Riparian Veg.: S Landuse: NO

SITE

Site #: 608 GIS UTM(Zone/East/North): 9 528701 6085827 Date: 2000/08/01 Agency: C172 Crew: EM/JD

Site Lg (m): 100 Ref. Name:

CHANNEL

No Vis.Ch.: ☐ Intermittent: ☐

Dw: ☐ Tribs.: ☐

	Avg	Min	Max	#
Channel Width (m):	0.45	0.29	0.59	6
Wetted Width (m):	0.36	0.200	0.5	6
Wb Depth (m):	0.23	0.2	0.3	3

	Avg %	Min %	Max %	#
Gadient %:	8.50	10	10	4
Pool Depth (m):	0.09	0.070	0.100	6

Stage: L ☐ M ☑ H ☐ Temp (C): 7 pH: 7.1 Cond.: 30 Turb.: ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: R Subdom: C Bars: ☑ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR

D95: 40.00 D (cm): 5.00

Pattern: IR Islands: N

Coupling: PC Confinement: FC

Morph: CP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	D	T	T	T	T
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐

FSZ: ☐

CROWN CLOSURE

0 0%

LWD: N DIST: NA INSTREAM VEG: N ☐ A ☐ M ☑ V ☐

RB SHP: S Texture: ☐ F ☑ G ☑ C ☐ B ☐ R ☐ A RIP: G STG: INIT

LB SHP: S Texture: ☐ F ☑ G ☑ C ☐ B ☐ R ☐ A RIP: G STG: INIT

FISH

Site Number	Capture Method	Number of Events	Total Length (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
608	EF	1	200	206 sec	600	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	2.0	103I.098	10885	608

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER — Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: — Local Name: None
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 103I.098 — ILP #: 10885 — NID Map #: 103I.098 — NID #: 60008 — Reach #: 2.0 — Site #: 608

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)	Site Lg: 100	Method: HC	Access: H
	9 528701 6085827	Ref. Name:		

Date: 2000/08/01 — Time: 14:45 — Agency: C172 — Crew: EM/JD — Fish Crd?: ☑ — Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	0.48	0.52	0.39	0.29	0.46	0.59					0.45
Wetted Width (m):	T	0.40	0.39	0.28	0.20	0.41	0.50					0.36
Pool Depth (m):	MS	0.10	0.10	0.07	0.08	0.09	0.10					0.09

	Gadient %		Mtd	Avg
Method I:	8.0	10.0	AL	8.50
Method II:	7.0	9.0	AL	

Wb Depth:	.3	.2	.2

Avg: 0.23 — 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	D	T	T	T	T
Loc: P/S/O:	☐☐☐	☐☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐

CROWN CLOSURE
0 0%
INSTREAM VEG: N ☐ A ☐ M ☑ V ☐

LWD: N — DIST: NA

LB SHP: S
Texture: ☐ F ☑ G ☑ C ☐ B ☐ R ☐ A
RIP: G
STG: INIT

RB SHP: S
Texture: ☐ F ☑ G ☑ C ☐ B ☐ R ☐ A
RIP: G
STG: INIT

WATER

EMS: — Req #:
Temp: 7 — Method: T3 — Cond.: 30 — Method: S4
pH: 7.1 — Method: P2 — Turb.: ☐ T ☐ M ☐ L ☑ C — Method: GE
Flood Signs: NONE — Method: GE

MORPHOLOGY

Bed Material: — Dominant: R — Subdom: C
D95: 40.0 — D (cm): 5.00 — Morph: CP
Pattern: IR
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
Rearing Habitat	Poor rearing habitat-limited by gradient and lack of water
OverWinter Habitat	No overwintering habitat-residual pool depths <50 cm
Spawning Habitat	No spawning habitat-substrates not present

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	4	F:	20	STD	D	Downstream photo of representative habitat
R:	4	F:	21	STD	U	Upstream photo of stream channel

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
000-000000-00000-00000-0000-0000-000-000-000-000-000-000	2.0	103I.098	10885	608

Section	Comments
SITE CARD	Fish form 30489
CHANNEL	Barrier in mainstem downstream prevents upstream fish migration to this reach
CHANNEL	S6 Stream

FDIS Fish Form

Watershed Code:	000-000000-00000-00000-0000-0000-000-000-000-000-000-000	Reach #	ILP Map #	ILP #
		2.0	103I.098	10885

WATERBODY

Gazetted Name: Local: None

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: 103I.098 ILP #: 10885 Reach #: 2 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/01 To: 2000/08/01 Agency: C172 Crew: EM/JD Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
608	103I.098	60008		EF 1	7	30	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
608	EF 1	1	2000/08/01	14:45	2000/08/01	15:30	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
608	EF 1	1	O	206	200.0	0.5	600	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #608, Upstream photo of stream channel
Roll #4, Frame #21, Date: 2000/08/01

Site #608, Downstream photo of representative habitat
Roll #4, Frame #20, Date: 2000/08/01

Stream Reach/Site Summary Report

Reach #	ILP Map #	ILP #
6.0		

Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000

STREAM REFERENCING

Gazetted Name: QUILL CREEK **Local Name:** Quill Creek

Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 6.0 **UTM(Zone/East/North):** 9.527714.6090638 **Sample Type:** B

Length (km): 4.62 **Gradient (%):** 2.58 **US Elev (m):** 702 **Order:** 5 **Magnitude:** 63

Confinement: FC **Coupling:** PC **Open water:** A **BGC Zone:** CWH

Islands: NV **Bars:** ☐N ☑SIDE ☐DIAG ☐MID ☐SPAN ☐BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 609 **Site Lg (m):** 350

GIS UTM(Zone/East/North)		
9	528081	6090378

Date: 2000/08/01 **Agency:** C172 **Crew:** EM/JD **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	33.98	28.10	42	6
Wetted Width (m):	13.60	10.60	16.20	6
Wb Depth (m):	2.60	2.4	2.8	3

	Avg %	Min %	Max %	#
Gadient %:	4.63	4	5	4
Pool Depth (m):	0.59	0.360	0.850	6

Stage: L☑ M☐ H☐ **Temp (C):** 10 **pH:** 7.1 **Cond.:** 60 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: C Subdom: B

D95: 80.00 D (cm): 55.00

Pattern: SI Islands: N

Coupling: CO Confinement: FC

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: A **FSZ:** ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	T	D	T	S	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐

CROWN CLOSURE 1 1-20%

LWD: F **DIST:** E **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: S **Texture:** ☐ F ☑ G ☑ C ☐ B ☐ R ☐ A **RIP:** C **STG:** MF

LB SHP: V **Texture:** ☑ F ☑ G ☐ C ☐ B ☐ R ☐ A **RIP:** C **STG:** MF

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo				AirPhoto				UTM (Zone/East/North/Method)			
103I.098	88003	LS	600.0	GE	10	GE	R:	4	F:	23	L:		#:		9	527917	6090500	GIS
Comments:	View upslope at slide																	

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo				AirPhoto				UTM (Zone/East/North/Method)			
103I.098	88003	LS	600.0	GE	10	GE	R:	4	F:	22	L:		#:		9	527917	6090500	GIS
Comments:	Large landslide blocks stream																	

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
609	*EF*	1	400	510 sec	400	NFC	0		

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
6.0			609

Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: QUILL CREEK
Local Name: Quill Creek
Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103I.098 NID #: 60009 Reach #: 6.0 Site #: 609

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)
	9 528081 6090378

Site Lg: 350 Method: HC Access: H
Ref. Name:

Date: 2000/08/01 Time: 15:40 Agency: C172 Crew: EM/JD Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	GE	28.10	39.60	42.00	29.60	31.20	33.40					33.98
Wetted Width (m):	GE	15.00	10.60	12.40	13.30	16.20	14.10					13.60
Pool Depth (m):	MS	0.60	0.71	0.85	0.36	0.42	0.59					0.59

	Gadient %		Mtd	Avg
Method I:	5.0	4.0	AL	4.63
Method II:	5.0	4.5	AL	

Wb Depth:	2.6	2.8	2.4

Avg: 2.60 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:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
1 1-20%
INSTREAM VEG: N☑ A☐ M☐ V☐

LWD: F DIST: E

LB SHP: V
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: 10 Method: T3
pH: 7.1 Method: P2
Flood Signs: LWD ON BARS Method: GE

Req #:
Cond.: 60 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: C Subdom: B
D95: 80.0 D (cm): 55.00 Morph: RP
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 (Zone/East/North/Method)			
103I.098	88003	LS	600.0	GE	10	GE	R:	4	F:	23	L:		#:		9	527917	6090500	GIS
Comments:	View upslope at slide																	
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo				AirPhoto				UTM (Zone/East/North/Method)			
103I.098	88003	LS	600.0	GE	10	GE	R:	4	F:	22	L:		#:		9	527917	6090500	GIS
Comments:	Large landslide blocks stream																	

HABITAT QUALITY

Name	Comments
OverWinter Habitat	Moderate overwintering habitat

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
6.0			609

Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000

HABITAT QUALITY

Name	Comments
Rearing Habitat	Moderate rearing habitat-limited by the lack of pool habitat
Spawning Habitat	Moderate quality spawning habitat-substrates too large for small fish but suitable for larger species

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	4	F:	22	STD	U	Downstream photo of where a landslide has diverted the stream channel
R:	4	F:	23	STD	NS	Upslope photo of a 600 m landslide
R:	4	F:	24	STD	U	Upstream photo of riffle pool habitat
R:	4	F:	25	STD	D	Downstream photo of riffle pool habitat

COMMENTS

Section	Comments
SITE CARD	Fish form 30488
CHANNEL	The landslide diverts the stream into the adjacent timber. The slide is 100 % natural.
CHANNEL	Falls downstream prevent upstream fish migration to this reach
CHANNEL	S5 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000 6.0

WATERBODY

Gazetted Name: QUILL CREEK Local: Quill Creek

Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0

WS Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000

Waterbody ID: ILP Map #: ILP #: Reach #: 6 -

Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/01 To: 2000/08/01 Agency: C172 Crew: EM/JD Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
609	103I.098	60009		EF 1	10	60	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
609	EF 1	1	2000/08/01	15:40	2000/08/01	16:30	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
609	EF 1	1	O	510	400.0	12.0	400	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #609, Downstream photo of where a landslide has diverted the stream channel
Roll #4, Frame #22, Date: 2000/08/01

Site #609, Downstream photo of riffle pool habitat
Roll #4, Frame #25, Date: 2000/08/01

Site #609, Upstream photo of riffle pool habitat
Roll #4, Frame #24, Date: 2000/08/01

Site #609, Upslope photo of a 600 m landslide
Roll #4, Frame #23, Date: 2000/08/01

Stream Reach/Site Summary Report

Reach # ILP Map # ILP #

Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000 4.0

STREAM REFERENCING

Gazetted Name: QUILL CREEK Local Name: Quill Creek

Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000 ILP Map #: ILP #:

REACH

Reach #: 4.0 UTM(Zone/East/North): 9.533048.6090230 Sample Type: R

Length (km): 1.65 Gradient (%): 2.61 US Elev (m): 507 Order: 5 Magnitude: 78

Confinement: FC Coupling: CO Open water: A BGC Zone: CWH

Islands: NV Bars: ☐N ☐SIDE ☐DIAG ☑MID ☐SPAN ☐BR Riparian Veg.: M Landuse: NO

SITE

Site #: 610 GIS UTM(Zone/East/North) Date: 2000/08/02 Agency: C172 Crew: EM/JD

Site Lg (m): 300 9 533901 6089701 Ref. Name:

CHANNEL

No Vis.Ch.: ☐ Intermittent: ☐

Dw: ☐ Tribs.: ☐

	Avg	Min	Max	#
Channel Width (m):	44.17	35	55	6
Wetted Width (m):	14.13	11.9	16.8	6
Wb Depth (m):	2.57	2.4	2.7	3

	Avg %	Min %	Max %	#
Gadient %:	4.75	4	5	4
Pool Depth (m):	0.57	0.45	0.680	6

Stage: L☑ M☐ H☐ Temp (C): 7 pH: 7.2 Cond.: 60 Turb.: ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: B Subdom: C Bars: ☐ N ☑ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR

D95: 106.00 D (cm): 60.00

Pattern: IR Islands: N

Coupling: CO Confinement: CO

Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: A

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	S	D	T	S	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

1 1-20%

LWD: F DIST: E INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

RB SHP: S Texture: ☐ F ☐ G ☑ C ☑ B ☐ R ☐ A RIP: C STG: MF

LB SHP: S Texture: ☐ F ☐ G ☑ C ☑ B ☐ R ☐ A RIP: D STG: PS

FISH

Site Number	Capture Method	Number of Events	Total Length (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
610	EF	1	300	284 sec	500	NFC	0		

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-313700-00000-00000-0000-0000-000-000-000-000-000-000	4.0			610

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: QUILL CREEK Local Name: Quill Creek
Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103I.098 NID #: 60010 Reach #: 4.0 Site #: 610

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)
	9 533901 6089701

Site Lg: 300 Method: HC Access: H
Ref. Name:

Date: 2000/08/02 Time: 08:19 Agency: C172 Crew: EM/JD Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	GE	45.00	35.00	40.00	50.00	55.00	40.00				44.17
Wetted Width (m):	T	14.60	15.10	16.80	14.30	12.10	11.90				14.13
Pool Depth (m):	MS	0.50	0.65	0.45	0.51	0.63	0.68				0.57

	Gadient %		Mtd	Avg
Method I:	4.0	5.0	AL	4.75
Method II:	6.0	4.0	AL	

Wb Depth:	2.6	2.4	2.7

Avg: 2.57 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	S	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☑☐☐	☐☐☐

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: D
STG: PS

RB SHP: S
Texture: ☐ F ☐ G ☑ C ☑ B ☐ R ☐ A
RIP: C
STG: MF

WATER

EMS: Req #:
Temp: 7 Method: T3 Cond.: 60 Method: S4
pH: 7.2 Method: P2 Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE
Flood Signs: LG. FLOODPLAIN, Method: GE

MORPHOLOGY

Bed Material: Dominant: B Subdom: C
D95: 106.0 D (cm): 60.00 Morph: RP
Pattern: IR
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 spawning habitat-large substrates, high water velocity, and a limited amount of gravels
Rearing Habitat	Moderate rearing habitat-Good BT/DV habitat. Abundant cover

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	5	F:	1	STD	U	Upstream photo of a crew member shocking below a short rapid section
R:	5	F:	2	STD	D	Downstream photo of rapids above the canyon

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-313700-00000-00000-0000-0000-000-000-000-000-000-000	4.0			610

Section	Comments
SITE CARD	Fish form 30551
CHANNEL	Falls downstream prevent upstream fish migration to this reach
CHANNEL	S5 Stream

FDIS Fish Form

	Reach #	ILP Map #	ILP #
Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000	4.0		

WATERBODY

Gazetted Name: QUILL CREEK Local: Quill Creek
Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0
WS Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000
Waterbody ID: ILP Map #: ILP #: Reach #: 4 -
Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/02 To: 2000/08/02 Agency: C172 Crew: EM/JD Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment
610	103I.098	60010					EF	1	7	60	C	

A. GEAR SETTINGS

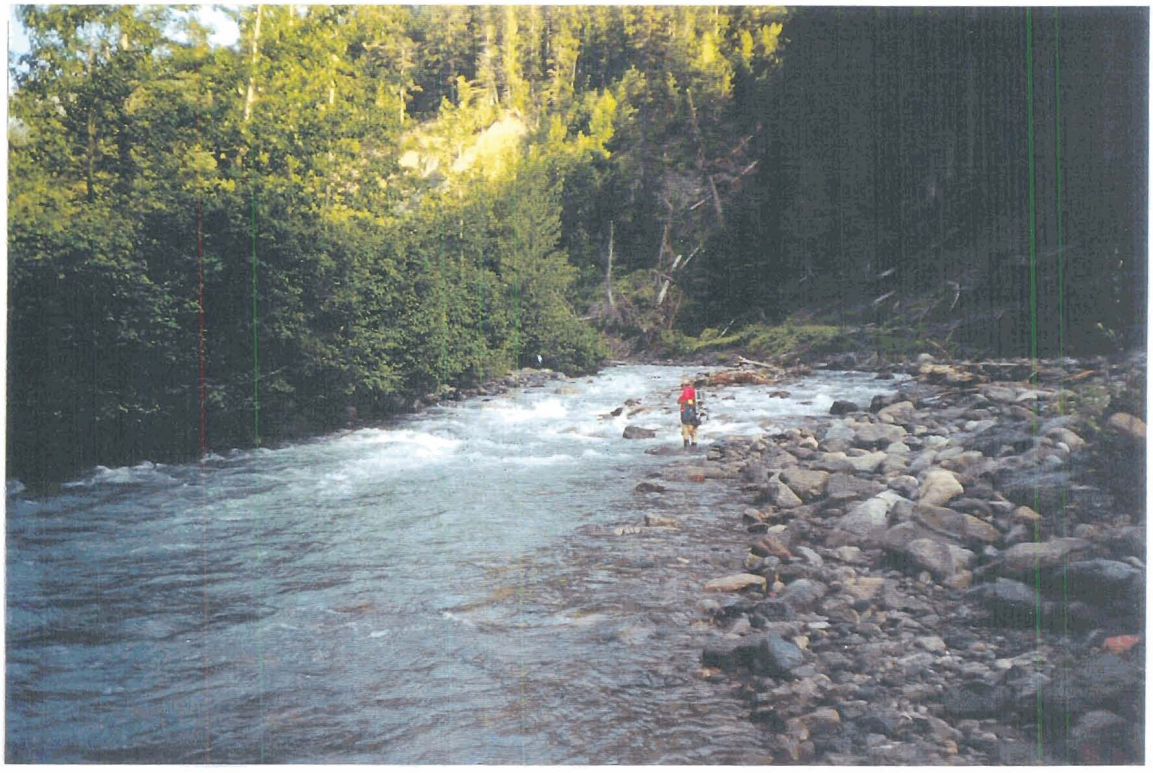
Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
610	EF	1	1	2000/08/02	08:15	2000/08/02	08:45	

C. ELECTROFISHER SPECIFICATIONS

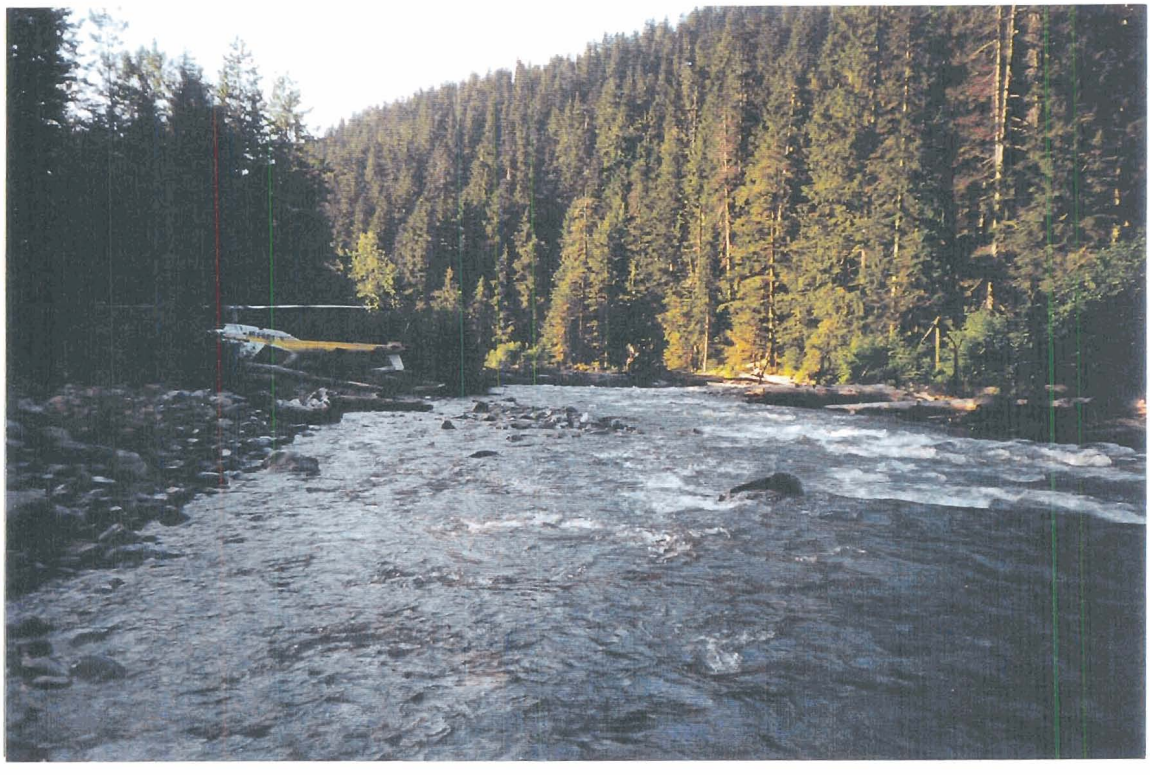
Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
610	EF	1	1	O	284	300.0	14.0	500	60	6	SMITH ROOT	12B

FISH SUMMARY

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



Site #610, Upstream photo of a crew member shocking below a short rapid section
Roll #5, Frame #1, Date: 2000/08/02



Site #610, Downstream photo of rapids above the canyon
Roll #5, Frame #2, Date: 2000/08/02

Stream Reach/Site Summary Report

Reach # ILP Map # ILP #

Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000 2.0

STREAM REFERENCING

Gazetted Name: QUILL CREEK **Local Name:** Quill Creek

Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 2.0 **UTM(Zone/East/North):** 9.536895.6087839 **Sample Type:** B

Length (km): 1.73 **Gradient (%):** 7.28 **US Elev (m):** 294 **Order:** 5 **Magnitude:** 98

Confinement: CO **Coupling:** CO **Open water:** A **BGC Zone:** CWH

Islands: NV **Bars:** ☐N ☐SIDE ☐DIAG ☐MID ☐SPAN ☐BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 611 **Site Lg (m):** 250

GIS UTM(Zone/East/North)		
9	537242	6087565

Date: 2000/08/02 **Agency:** C172 **Crew:** EM/JD **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	25.18	20.9	31.20	6
Wetted Width (m):	16.98	14.60	19.20	6
Wb Depth (m):	2.60	2.4	2.8	3

	Avg %	Min %	Max %	#
Gadient %:	6.00	5	7	4
Pool Depth (m):	0.82	0.560	1.100	6

Stage: L☑ M☐ H☐ **Temp (C):** 7 **pH:** 7.2 **Cond.:** 60 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: B Subdom: C

D95: 140.00 D (cm): 80.00

Pattern: IR Islands: N

Coupling: CO Confinement: CO

Morph: CP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: A FSZ: ☐

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	S	D	N	S	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☐☐☐

CROWN CLOSURE 1 1-20%

LWD: F **DIST:** E **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: V **Texture:** ☐ F ☐ G ☑ C ☑ B ☐ R ☐ A **RIP:** C **STG:** MF

LB SHP: V **Texture:** ☐ F ☐ G ☑ C ☐ B ☑ R ☐ A **RIP:** C **STG:** MF

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)			
103I.098	88004	F	8.0	AE	2	AE	R: F:	L: #:	9	537861	6087574	GIS

Comments: Falls are a barrier to upstream fish migration. Heli survey.

FISH

Site Number	Capture Method	Number of Events	Total Length (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
611	EF	1	250	478 sec	600	NFC	0		

FDIS Site Card

Reach #	ILP Map #	ILP #	Site
2.0			611

Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER
Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: QUILL CREEK
Local Name: Quill Creek
Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103I.098 NID #: 60011 Reach #: 2.0 Site #: 611

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)
	9 537242 6087565

Site Lg: 250 Method: HC Access: H
Ref. Name:

Date: 2000/08/02 Time: 09:00 Agency: C172 Crew: EM/JD Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	T	28.60	25.40	31.20	23.60	21.40	20.90					25.18
Wetted Width (m):	T	17.50	16.90	14.60	19.20	18.30	15.40					16.98
Pool Depth (m):	MS	1.10	0.82	0.61	0.56	0.93	0.87					0.82

	Gadient %		Mtd	Avg
Method I:	6.0	5.0	AL	6.00
Method II:	6.0	7.0	AL	

Wb Depth:	2.8	2.4	2.6

Avg: 2.60 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:	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☐☐☐

CROWN CLOSURE
1 1-20%
INSTREAM VEG: N ☑ A ☐ M ☐ V ☐

LWD: F DIST: E

LB SHP: V
Texture: ☐ F ☐ G ☑ C ☐ B ☑ R ☐ A
RIP: C
STG: MF

RB SHP: V
Texture: ☐ F ☐ G ☑ C ☑ B ☐ R ☐ A
RIP: C
STG: MF

WATER

EMS:
Temp: 7 Method: T3
pH: 7.2 Method: P2
Flood Signs: RAFTED DEBRIS Method: GE

Req #:
Cond.: 60 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: B Subdom: C
D95: 140.0 D (cm): 80.00 Morph: CP
Pattern: IR
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

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)
103I.098	88004	F	8.0	AE	2	AE	R: F:	L: #:	9 537861 6087574 GIS

Comments: Falls are a barrier to upstream fish migration. Heli survey.

HABITAT QUALITY

Name	Comments
OverWinter Habitat	Overwintering habitat present
Spawning Habitat	Poor spawning habitat-substrates are large and the stream is high energy
Rearing Habitat	Moderate to high quality rearing habitat for DV/BT-abundant cover, deep pools, plenty of habitat along the margins of thalweg

PHOTOS

Photo	Foc Lg	Dir	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-313700-00000-00000-0000-0000-000-000-000-000-000-000	2.0			611

Photo				Foc Lg	Dir	Comments
R:	5	F:	3	STD	U	Upstream photo of a boulder filled rapid
R:	5	F:	4	STD	D	Downstream photo of LWD on a mid channel bar

COMMENTS

Section	Comments
SITE CARD	Fish form 30552
CHANNEL	Falls located ~800 m downstream prevent upstream fish migration to this reach. Falls were surveyed out of the helicopter due to limited access
CHANNEL	S5 Stream

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000 2.0

WATERBODY

Gazetted Name: QUILL CREEK Local: Quill Creek
Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0
WS Code: 400-313700-00000-00000-0000-0000-000-000-000-000-000-000
Waterbody ID: ILP Map #: ILP #: Reach #: 2 -
Project ID: 3476 Lake/Stream: S Lake From Date:

Fish Permit #: 25350K Date: 2000/08/02 To: 2000/08/02 Agency: C172 Crew: EM/JD Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment
611	103I.098	60011					EF	1	7	60	C	

A. GEAR SETTINGS

Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
611	EF	1	1	2000/08/02	09:00	2000/08/02	09:40	

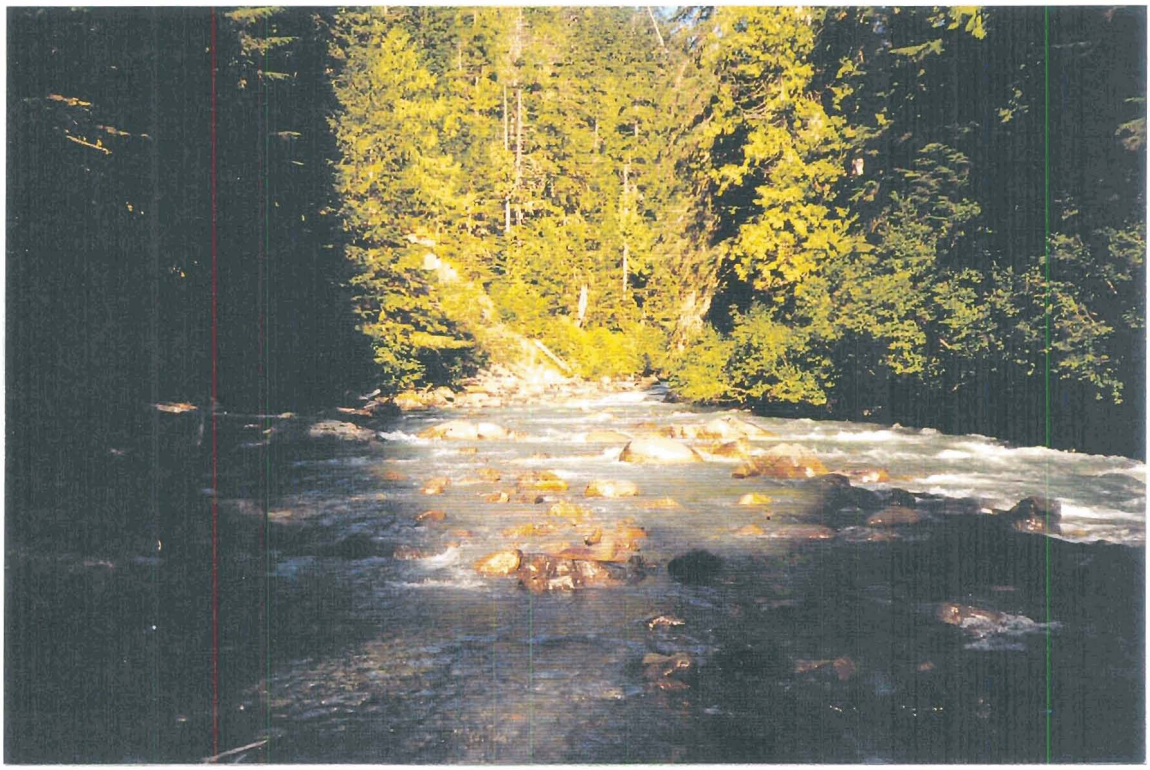
C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
611	EF	1	1	O	478	250.0	15.0	600	60	6	SMITH ROOT	12B

FISH SUMMARY

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

Site #611, Downstream photo of LWD on a mid channel bar
Roll #5, Frame #4, Date: 2000/08/02



Site #611, Upstream photo of a boulder filled rapid
Roll #5, Frame #3, Date: 2000/08/02

Stream Reach/Site Summary Report

Reach # ILP Map # ILP #

Watershed Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000 7.0

STREAM REFERENCING

Gazetted Name: INSECT CREEK **Local Name:** Insect Creek

Watershed Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000 **ILP Map #:** **ILP #:**

REACH

Reach #: 7.0 **UTM(Zone/East/North):** 9.532820.6099575 **Sample Type:** R

Length (km): 3.15 **Gradient (%):** 2.22 **US Elev (m):** 450 **Order:** 5 **Magnitude:** 196

Confinement: FC **Coupling:** CO **Open water:** A **BGC Zone:** CWH

Islands: NV **Bars:** ☐N ☑SIDE ☐DIAG ☐MID ☐SPAN ☐BR **Riparian Veg.:** M **Landuse:** NO

SITE

Site #: 612 **Site Lg (m):** 300

GIS UTM(Zone/East/North)		
9	532927	6099518

Date: 2000/08/02 **Agency:** C172 **Crew:** EM/JD **Ref. Name:**

CHANNEL

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

	Avg	Min	Max	#
Channel Width (m):	40.83	30	50	6
Wetted Width (m):	15.47	14.30	16.9	6
Wb Depth (m):	2.83	2.6	3	3

	Avg %	Min %	Max %	#
Gadient %:	4.50	4	5	4
Pool Depth (m):	0.89	0.63	1.200	6

Stage: L☑ M☐ H☐ **Temp (C):** 7 **pH:** 7.1 **Cond.:** 60 **Turb.:** ☐ T ☐ M ☐ L ☑ C

MORPHOLOGY

Bed Material: Dominant: C Subdom: B

D95: 80.00 D (cm): 60.00

Pattern: IR Islands: N

Coupling: PC Confinement: FC

Morph: RP

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

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

COVER

Total: A

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	T	D	N	S	T	N
Loc: P/S/O:	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☐☐☐

FSZ: ☐

CROWN CLOSURE

1 1-20%

LWD: F **DIST:** C **INSTREAM VEG:** N ☑ A ☐ M ☐ V ☐

RB SHP: S **Texture:** ☐ F ☑ G ☑ C ☐ B ☐ R ☐ A **RIP:** D **STG:** SHR

LB SHP: S **Texture:** ☐ F ☐ G ☑ C ☑ B ☐ R ☐ A **RIP:** C **STG:** MF

FISH

Site Number	*Capture Method*	*Number of Events*	*Total Length (m)*	*Total Time*	*Voltage*	*Species*	*Total Fish*	*Minimum Length (mm)*	*Maximum Length (mm)*
612	*EF*	3	300	1653 sec	500	DV	13	42	380

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-324400-00000-00000-0000-0000-000-000-000-000-000-000	7.0			612

PROJECT

Project Name: Mill Area 1:20K Stream Inventory Project
Stream Name (gaz.): SKEENA RIVER Project Code: 3476
Project Watershed Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: INSECT CREEK Local Name: Insect Creek
Watershed Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: ILP #: NID Map #: 103P.008 NID #: 60012 Reach #: 7.0 Site #: 612

Field UTM(Zone/East/North/Method)	GIS UTM(Zone/East/North)
	9 532927 6099518

Site Lg: 300 Method: HC Access: H
Ref. Name:
Date: 2000/08/02 Time: 10:15 Agency: C172 Crew: EM/JD Fish Crd?: ☑ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	GE	45.00	30.00	35.00	50.00	45.00	40.00					40.83
Wetted Width (m):	T	16.80	14.30	15.40	14.60	16.90	14.80					15.47
Pool Depth (m):	MS	1.10	1.20	0.80	0.91	0.63	0.71					0.89

	Gadient %		Mtd	Avg
Method I:	4.0	5.0	AL	4.50
Method II:	5.0	4.0	AL	

Wb Depth:	2.6	2.9	3.0

Avg: 2.83 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:	☑☐☐	☑☐☐	☑☐☐	☐☐☐	☑☐☐	☑☐☐	☐☐☐

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: D
STG: SHR

WATER

EMS:
Temp: 7 Method: T3
pH: 7.1 Method: P2
Flood Signs: RAFTED LWD ON Method: GE

Req #:
Cond.: 60 Method: S4
Turb.: ☐ T ☐ M ☐ L ☑ C Method: GE

MORPHOLOGY

Bed Material: Dominant: C Subdom: B
D95: 80.0 D (cm): 60.00 Morph: RP
Pattern: IR
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	Overwintering habitat present
Spawning Habitat	Poor spawning habitat-disturbed channel and large substrates
Rearing Habitat	High quality rearing habitat for DV/BT. Abundant cover, good holding water, and good habitat complexity

PHOTOS

Photo				Foc Lg	Dir	Comments
R:	5	F:	5	STD	D	Downstream photo of riffle pool habitat
R:	5	F:	6	STD	U	Upstream photo of a section of rapids

COMMENTS

Section	Comments

FDIS Site Card

Watershed Code:	Reach #	ILP Map #	ILP #	Site
400-324400-00000-00000-0000-0000-000-000-000-000-000-000	7.0			612

Section	Comments
SITE CARD	Fish form 30553
CHANNEL	DV captured
CHANNEL	S1 Stream

FDIS Fish Form

Reach #	ILP Map #	ILP #
7.0		

Watershed Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000

WATERBODY

Gazetted Name: INSECT CREEK **Local:** Insect Creek
Project Code: 400-000000-00000-00000-0000-0000-000-000-000-000-000-0
WS Code: 400-324400-00000-00000-0000-0000-000-000-000-000-000-000
Waterbody ID: **ILP Map #:** **ILP #:** **Reach #:** 7 -
Project ID: 3476 **Lake/Stream:** S **Lake From Date:**

Fish Permit #: 25350K **Date:** 2000/08/02 **To:** 2000/08/02 **Agency:** C172 **Crew:** EM/JD **Resample:** ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
612	103P.008	60012		EF 1	7	60	C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
612	EF 1	1	2000/08/02	10:15	2000/08/02	11:00	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model
612	EF 1	1	O	551	300.0	15.0	500	60	6	SMITH ROOT	12B

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment

Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age Str/Smpl#/Age	Vch#	Genetic Str/Smpl#	Roll #	Frame#	Comment
612	EF 1	1	DV	380		U	U						
612	EF 1	1	DV	240		U	U						
612	EF 1	1	DV	116		U	U						
612	EF 1	1	DV	80		U	U						
612	EF 1	1	DV	96		U	U						
612	EF 1	1	DV	126		U	U				5	7	Photo taken
612	EF 1	1	DV	120		U	U						
612	EF 1	1	DV	60		U	U						
612	EF 1	1	DV	51		U	U						
612	EF 1	1	DV	42		U	U						
612	EF 1	1	DV	46		U	U						
612	EF 1	1	DV	49		U	U						
612	EF 1	1	DV	56		U	U						

Site #612, Downstream photo of riffle pool habitat
Roll #5, Frame #5, Date: 2000/08/02

Site #612, Upstream photo of a section of rapids
Roll #5, Frame #6, Date: 2000/08/02

Site #612, Photo of a dolly varden on electrofisher ring
Roll #5, Frame #7, Date: 2000/08/02