

3377/ WP#T-1219

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

Volume 3 of 3

Prepared for:

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APPENDIX I

Reach Cards/Site Cards/Fish Collection Forms and Photographs (Site 289 to 985)

FDIS Reach Card

Shelagyote River Planning Area

Watershed Code: 480-195700-60300-24100-3100-0000-000-000-000-000-000

Reach # 1.0 ILP Map # ILP #

PROJECT																			
Project Name: Shelagyote Inventory					Project Code: 1550														
Stream Name (gaz.): BABINE RIVER																			
Project Watershed Code: 480-000000-000000-000000-0000-000-000-000-000-000-000																			
WATERSHED																			
Reach Watershed Code: 480-195700-60300-24100-3100-0000-000-000-000-000-000-000																			
ILP Map #:		ILP #:		Reach #: 1.0		NID Map #: 093M.084		NID #: 13332											
Air Photos		Names		UTM(Zone/East/North/Method)															
LINE: 30BCB92052		Gaz.:		9.605350.6192128 GIS															
#: 164		Local:		Sample Type: R		Wetland: ☐													
SURVEY INFO																			
Date: 2001/07/11			Agency: C172				Crew: JH/JA												
ATTRIBUTES																			
Length (km): 1.16		Gradient: 7.59		Setting: VW		DISTURBANCE INDICATORS													
DS Elev.: 908		Order: 2		Open water: A		<table style="width:100%; border: none;"> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> </table>				☐	☐	☐	☐	☐	☐	☐	☐	☐	
☐	☐	☐	☐	☐	☐	☐	☐	☐											
US Elev: 996		Magnitude: 12		Confinement: OC		<table style="width:100%; border: none;"> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td> </tr> </table>				C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
C1	C2	C3	C4	C5	S1	S2	S3	S4	S5										
		BGC Zone: SBS		Coupling: PC		<table style="width:100%; border: none;"> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> </table>				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐										
Valley Flat: N		C/D: ☐		Est. Width:		Islands: N													
Active Floodplain Visible: ☐				Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR		Mass Movement: M													
Channel Pattern: SI				Riparian Veg.: C		Exposed/Eroded: NS													
						Landuse: NO													

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

FDIS Fish Card

Shelagyote River Planning Area

Watershed Code: 480-195700-60300-24100-3100-0000-000-000-000-000-000

Reach # 1.0
ILP Map #
ILP #

WATERBODY															
Gazetted Name:										Local: None					
Project Code: 480-000000-00000-00000-0000-000-000-000-000-0															
WS Code: 480-195700-60300-24100-3100-0000-000-000-000-000-000															
Waterbody ID:										ILP Map #:		ILP #:		Reach #: 1 -	
Project ID: 1550										Lake/Stream: S		Lake From Date:			
Fish Permit #:		145084K		Date: 2001/08/07		To: 2001/08/07		Agency: C172		Crew: JH/JA		Resample: ☐			
SITE / METHOD															
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO	Temp	Cond	Turbid	Comment					
289	093M.084	20089				GPU EF 1	6	30	C						
A. GEAR SETTINGS															
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment								
289	EF	1	2001/08/07	10:00	2001/08/07	10:40									
C. ELECTROFISHER SPECIFICATIONS															
Site#	MTD/NO	H/P	Encl	Sec	Length	Width	Voltage	Frequency	Pulse	Make	Model				
289	EF	1	1	O	100	100.0	1.0	600	60	6	SMITH	12B			
										ROOT					
FISH SUMMARY															
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment						
289	EF	1	DV	J	1+	6	60 70	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#				
289	EF	1	1	DV	60		U	U							
289	EF	1	1	DV	70		U	U							
289	EF	1	1	DV	70		U	U							
289	EF	1	1	DV	65		U	U							
289	EF	1	1	DV	70		U	U							
289	EF	1	1	DV	65		U	U							

Shelagyote River Planning Area

1.0

STREAM REFERENCING																																										
Gazetted Name:					Local Name:																																					
Watershed Code: 480-195700-80300-00000-0000-0000-000-000-000-000-000					ILP Map #:		ILP #:																																			
REACH																																										
Reach #: 1.0		UTM(Zone/East/North): 9.604615.6199534				Sample Type: Biased																																				
Length (km): 1.53		Coupling: Partially Couple		Magnitude: 122		BGC Zone: SBS																																				
Gradient (%): 1.8		Confinement: Frequently Confin		Order: 5		Open water: Absent																																				
US Elev (m): 923		Islands: NONE		Riparian Vegetation: Coniferous																																						
Bars: None ☒ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: None/natural																																										
SITE																																										
Site #: 620		Field UTM 9.604773.6198675		Agency: C172		Crew: JH/RT		Date: 2001/09/14																																		
Site Length (m): 300		GIS UTM 9.604788.6198715		Agency Name: Triton Environmental Consultants (Terrace)																																						
CHANNEL																																										
No Vis.Ch.: ☐		Intermittent: ☐		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> <th>#</th> </tr> </thead> <tbody> <tr> <td>Channel Width (m):</td> <td>9.02</td> <td>8</td> <td>10.30</td> <td>6</td> </tr> <tr> <td>Wetted Width (m):</td> <td>7.47</td> <td>7.1</td> <td>8</td> <td>6</td> </tr> <tr> <td>Bankfull Depth (m):</td> <td>1.00</td> <td>0.9</td> <td>1.1</td> <td>3</td> </tr> </tbody> </table>			Avg	Min	Max	#	Channel Width (m):	9.02	8	10.30	6	Wetted Width (m):	7.47	7.1	8	6	Bankfull Depth (m):	1.00	0.9	1.1	3	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> <th>#</th> </tr> </thead> <tbody> <tr> <td>Gradient %:</td> <td>3.50</td> <td>3</td> <td>4</td> <td>2</td> </tr> <tr> <td>Pool Depth (m):</td> <td>0.72</td> <td>0.5</td> <td>1</td> <td>6</td> </tr> </tbody> </table>			Avg	Min	Max	#	Gradient %:	3.50	3	4	2	Pool Depth (m):	0.72	0.5	1	6
	Avg	Min	Max			#																																				
Channel Width (m):	9.02	8	10.30			6																																				
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	Avg	Min	Max	#																																						
Gradient %:	3.50	3	4	2																																						
Pool Depth (m):	0.72	0.5	1	6																																						
Dewatered: ☐		Tribes.: ☐																																								
Stage: Low ☐		Temp (C): 7		pH: 7.2		Conductivity: 70		Turbidity.: Turbid ☐ Low ☐ Moderate ☐ Clear ☒																																		
Med ☒																																										
High ☐																																										
MORPHOLOGY																																										
Bed Material: Dominant: Cobble		D95 (cm): 70.00		Bars: Non ☐		Side ☒		Diagonal ☐ Mid-channel ☐ Span ☐																																		
Subdominant: Boulders		D (cm): 40.00						Braid ☐																																		
Channel Pattern: Irregular, Wandering		Islands: None		DISTURBANCE INDICATORS		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> </table>				O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐																			
O1	B1	B2	B3	D1	D2	D3																																				
☐	☐	☐	☐	☐	☐	☐																																				
Coupling: Partially Coupled				C1		C2	C3	C4	C5	S1	S2	S3	S4	S5																												
Confinement: Occasionally Confine				☐		☐	☐	☐	☐	☐	☐	☐	☐	☐																												
Morphology: RP Riffle Pool																																										
COVER																																										
Total Cover: Abundant		Type:		SWD	LWD	B	U	DP	OV	IV																																
LWD: Few		Amount:		N	T	S	S	D	T	N																																
LWD Dist: Clumped		Location: P/S/O:		☐	☒	☒	☒	☒	☒	☐																																
										FSZ: ☐																																
Right Bank: Shape: Undercut		Texture: Fines ☒		Gravel ☐	Cobble ☐	Boulder ☐	Rock ☐	Manmade ☐	Crown Closure																																	
Left Bank: Shape: Undercut		Texture: Fines ☒		Gravel ☐	Cobble ☐	Boulder ☐	Rock ☐	Manmade ☐	1-20%																																	
Right Bank: Rip.Veg: Mixed C/D		Stage: Mature forest																																								
Left Bank: Rip.Veg:		Stage: Mature forest																																								
				Instream Veg: None ☒		Algae ☐		Moss ☐		Vascular ☐																																
FISH																																										
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)																																	
620	AG	1		105 min		NFC	0																																			
778	AG	1		60 min		NFC	0																																			
778	VO	1		60 min		NFC	0																																			

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 1.0
ILP Map #
ILP #

WATERBODY																				
Gazetted Name:										Local: None										
Project Code: 480-000000-00000-00000-0000-0000-000-000-000-000-0																				
WS Code: 480-195700-80300-00000-0000-0000-000-000-000-000-000																				
Waterbody ID:					ILP Map #:					ILP #:										
Project ID: 1550					Lake/Stream: S					Reach #: 1 - Lake From Date:										
Fish Permit #:			145084K			Date: 2001/09/14			To: 2001/09/14			Agency: C172			Crew: JH/RT			Resample: ☐		
SITE / METHOD																				
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment								
778	093M.094	22778	9	604435	6199381	GPU	VO	1	7		L	Upstream UTM								
778	093M.094	22778	9	605026	6198508	GPU	AG	1	7		L	Downstream UTM								
620	093M.094	60020	9	604773	6198675	GPU	AG	1	7		L									
A. GEAR SETTINGS																				
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment													
620	AG	1	2001/09/14	08:30	2001/09/14	10:15														
778	AG	1	2002/09/08	10:45	2002/09/08	11:45														
778	VO	1	2002/09/08	10:45	2002/09/08	11:45														
FISH SUMMARY																				
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment											
620	AG	1	1	NFC		0														
778	AG	1	1	NFC		0														
778	VO	1	1	NFC		0														
COMMENTS																				
Section			Comments																	
WATERBODY			Spawning-moderate-no gravel observed above the lower 200 m (boulder/cascade substrates)																	
WATERBODY			Overwintering-moderate some deep pool but limited by high energy																	
WATERBODY			Rearing-good due to abundant pool habitat behind boulder cover																	

FDIS Site Card

Shelagyote River Planning Area

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

Reach # 1.0 ILP Map # ILP # 620 Site 620

PROJECT

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

WATERSHED

Gazetted Name: Watershed Code: 480-195700-80300-00000-00000-00000-00000-00000-00000-00000
ILP Map #: ILP #: NID Map #: 093M.094 NID #: 60020 Reach #: 1.0 Site #: 620
Field UTM (Z.E.N): 9.604773.6198675 Method: GPU Site Lg: 300 Method: MAP Access: H
GIS UTM (Z.E.N): 9.604788.6198715 Ref. Name:
Date: 2001/09/14 Time: 08:30 Agency: C172 Crew: JH/RT Fish Crd?: ☒ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg		Gadient %		Mtd	Avg
Channel Width (m):	GE	8.40	8.90	9.60	10.30	8.90	8.00					9.02	Method I:	3.0	4.0	C	3.50
Wetted Width (m):	GE	7.30	7.20	7.20	8.00	8.00	7.10					7.47	Method II:			C	
Pool Depth (m):	MS	0.60	1.00	0.90	0.50	0.70	0.60					0.72					

Wb Depth: 1.1 .9 1.0 Avg: 1.00 Method: MS Stage: L ☐ M ☒ H ☐ No Vis.Ch.: ☐ Intermittent: ☐
Dw: ☐ Tribs.: ☐

COVER Total: A

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

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

LWD: F DIST: C

LB SHP: U

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: M

STG: MF

RB SHP: U

Texture: F ☒ G ☐ C ☐ B ☐ R ☐ A ☐

RIP: M

STG: MF

WATER

EMS: Temp: 7 Method: T4 Req #: Cond.: 70 Method: S3
pH: 7.2 Method: P2 Turb.: T ☐ M ☐ L ☐ C ☒ Method: GE
Flood Signs: Rafted debris Method: GE

MORPHOLOGY

Bed Material: Dominant: C Subdom: B O1 B1 B2 B3 D1 D2 D3
D95: 70.0 D (cm): 40.00 Morph: RP DISTURBANCE INDICATORS
Pattern: IR C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
Islands: N
Coupling: PC
Confinement: OC
FSZ: ☐ Bars: N ☐ SIDE ☒ DIAG ☐ MID ☐ SPAN ☐ BR ☐

HABITAT QUALITY

Name	Comments
OverWinter Habitat	Moderate-associated with pools
Rearing Habitat	Moderate-associated with cover, flows-stable system
Spawning Habitat	Moderate-associated with substrates, flows, access, cover, good compaction/loose

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 62 F: 1 STD U			Upstream photo of riffle pool section
R: 62 F: 2 STD D			Downstream photo of riffle pool section with spawning habitat
R: 62 F: 3 STD U			Upstream photo towards canyon section

FDIS Site Card

Shelagyote River Planning Area

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

Reach #

ILP Map #

ILP #

Site

1.0

620

PHOTOS				
Photo		Foc Lg	Dir	Comments
R:	62	F:	4	STD
D				
Downstream photo of expanded section with functioning D95				
COMMENTS				
Section		Comments		
CHANNEL		Stream was walked upstream from confluence with the Shelagyote River. Spawning habitats are present throughout the surveyed section of stream. BT were captured immediately downstream.		
CHANNEL		Redds should be present. No fish observed and no fish caught. 1 m visibility		

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 1.0
ILP Map #
ILP #

WATERBODY											
Gazetted Name:						Local: None					
Project Code: 480-000000-00000-00000-0000-000-000-000-000-0											
WS Code: 480-195700-80300-00000-0000-0000-000-000-000-000											
Waterbody ID:				ILP Map #:				ILP #:		Reach #: 1 -	
Project ID: 1550				Lake/Stream: S				Lake From Date:			
Fish Permit #:		145084K		Date: 2001/09/14		To: 2001/09/14		Agency: C172		Crew: JH/RT	
										Resample: ☐	
SITE / METHOD											
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO	Temp	Cond	Turbid	Comment	
778	093M.094	22778	9	604435	6199381	GPU VO 1	7		L	Upstream UTM	
778	093M.094	22778	9	605026	6198508	GPU AG 1	7		L	Downstream UTM	
620	093M.094	60020	9	604773	6198675	GPU AG 1	7		L		
A. GEAR SETTINGS											
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment				
620	AG	1	2001/09/14	08:30	2001/09/14	10:15					
778	AG	1	2002/09/08	10:45	2002/09/08	11:45					
778	VO	1	2002/09/08	10:45	2002/09/08	11:45					
FISH SUMMARY											
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment		
620	AG	1	NFC			0					
778	AG	1	NFC			0					
778	VO	1	NFC			0					
COMMENTS											
Section		Comments									
WATERBODY		Spawning-moderate-no gravel observed above the lower 200 m (boulder/cascade substrates)									
WATERBODY		Overwintering-moderate some deep pool but limited by high energy									
WATERBODY		Rearing-good due to abundant pool habitat behind boulder cover									



Site #620, Upstream photo of riffle pool section.
Roll #62, Frame #1, Date: 2001/09/14



Site #620, Downstream photo of riffle pool section with spawning habitat.
Roll #62, Frame #2, Date: 2001/09/14



Site #620, Upstream photo towards canyon section.
Roll #62, Frame #3, Date: 2001/09/14



Site #620, Downstream photo of expanded section with functioning D95.
Roll #62, Frame #4, Date: 2001/09/14

Site #621

FDIS Reach Card

Shelagyte River Planning Area

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

Reach # 6.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagyte Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-0000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-0000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	6.0	NID Map #:	093M.094	NID #:	11058		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92073		Gaz.: SHELAGYTE RIVER		9.605026.6198514 GIS					
#: 131		Local:		Sample Type: R Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 1.30	Gradient: 1.54	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 879	Order: 5	Open water: P	O1	B1	B2	B3	D1	D2	D3
US Elev.: 899	Magnitude: 233	Confinement: OC	C1	C2	C3	C4	C5	S1	S2
	BGC Zone: SBS	Coupling: DC						S3	S4
Valley Flat: B	C/D: C								
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IR		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						

MAPS		
Map Type	Map #	Year
TRIM	093M.094	1995

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 6.0
ILP Map #
ILP #

WATERBODY									
Gazetted Name: SHELAGYOTE RIVER					Local: Shelagyote River				
Project Code: 480-000000-00000-00000-0000-000-000-000-000-000-0									
WS Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
Waterbody ID:			ILP Map #:			ILP #:		Reach #: 6 -	
Project ID: 1550			Lake/Stream: S			Lake From Date:			
Fish Permit #:		145084K		Date: 2001/09/14		To: 2001/09/14		Agency: C172	
						Crew: JH/RT		Resample: ☐	

SITE / METHOD												
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO	Temp	Cond	Turbid	Comment		
922	093M.094	90022	9	605060	6198480	GPU AG 1	6		L			
980	093M.094	90080	9	605060	6198480	GPU AG 1	6		C			
624	093M.094	60024	9	605300	6197929	GPU AG 2	7		C			
624	093M.094	60024	9	605300	6197929	GPU AG 1	7		C			
623	093M.094	60023	9	605241	6198075	GPU AG 2	7		C			
623	093M.094	60023	9	605241	6198075	GPU AG 1	7		C			
622	093M.094	60022	9	605165	6198391	GPU AG 2	7		C			
622	093M.094	60022	9	605165	6198391	GPU AG 1	7		C			
621	093M.094	60021	9	605060	6198480	GPU AG 2	7		C			
621	093M.094	60021	9	605060	6198480	GPU AG 1	7		C			

A. GEAR SETTINGS							
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
621	AG 1	1	2001/09/14	10:20	2001/09/14	10:30	
621	AG 2	1	2001/09/14	10:20	2001/09/14	10:30	
622	AG 1	1	2001/09/14	10:40	2001/09/14	10:55	
622	AG 2	1	2001/09/14	10:40	2001/09/14	10:55	
623	AG 1	1	2001/09/14	11:00	2001/09/14	11:10	
623	AG 2	1	2001/09/14	11:00	2001/09/14	11:10	
624	AG 1	1	2001/09/14	11:15	2001/09/14	11:30	
624	AG 2	1	2001/09/14	11:15	2001/09/14	11:30	
922	AG 1	1	2001/08/20	15:00	2001/08/20	15:45	
980	AG 1	1	2002/09/08	11:35	2002/09/08	12:00	

FISH SUMMARY										
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment
621	AG 1	1	BT	A		1	530	530	R	
621	AG 2	1	NFC			0				
622	AG 1	1	NFC			0				
622	AG 2	1	NFC			0				
623	AG 1	1	NFC			0				
623	AG 2	1	NFC			0				
624	AG 1	1	NFC			0				
624	AG 2	1	NFC			0				
922	AG 1	1	BT	A		5	400	590	R	
980	AG 1	1	CO	A		4	500	570	S	

INDIVIDUAL FISH DATA																	
Site#	MTD/NO		H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment
									Str/Smpl#	Age			Str/Smpl#				
621	AG	1	1	BT	530		M	M	FR	62000	8				62	5	Roll 62 Frame 6 two photos taken
980	AG	1	1	CO	500		U	U									
980	AG	1	1	CO	570		U	U									
980	AG	1	1	CO	510		U	U									
980	AG	1	1	CO	530		U	U									
922	AG	1	1	BT	400		M	MT	FR	14474	11						
922	AG	1	1	BT	480		M	MT	FR	14477	5						
922	AG	1	1	BT	500		F	M	FR	14476	7						
922	AG	1	1	BT	590		F	MT	FR	14479	13						

COMMENTS	
Section	Comments

FDIS Fish Card

Shelagyote River Planning Area

Reach # ILP Map # ILP #

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

6.0

Section	Comments
WATERBODY	Site 624 No fish caught. Potential staging area. Cover provided by undercut banks and overstream vegetation. No redds observed in stream walk (200 m). Spawning (pockets) present throughout section for CO/BT/ST
WATERBODY	Site 623 No fish caught. Potential staging area. Log jam with abundant cover. No redds observed in 200 m section walked. Spawning habitat is present upstream and downstream of log jam. Suitable sized substrates, moderate flow, access to cover
WATERBODY	Site 622 No fish caught. Potential staging area. No redds observed in 200 m (GE section walked). Cover, pools, flows provide potential BT staging and rearing



Site #621, Bull trout 530 mm.
Roll #62, Frame #05, Date: 2001/09/14



Site #621, Bull trout 530 mm.
Roll #62, Frame #06, Date: 2001/09/14

Site #622

FDIS Reach Card

Shelagyote River Planning Area

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

Reach # ILP Map # ILP #
6.0

PROJECT									
Project Name: Shelagyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	6.0	NID Map #:	093M.094	NID #:	11058		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92073	Gaz.: SHELAGYOTE RIVER			9.605026.6198514 GIS					
#: 131	Local:			Sample Type: R Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 1.30	Gradient: 1.54	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 879	Order: 5	Open water: P	O1	B1	B2	B3	D1	D2	D3
US Elev.: 899	Magnitude: 233	Confinement: OC	☐	☐	☐	☐	☐	☐	☐
	BGC Zone: SBS	Coupling: DC	C1	C2	C3	C4	C5	S1	S2
			☐	☐	☐	☐	☐	☐	☐
Valley Flat: B	C/D: C	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IR		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						

MAPS		
Map Type	Map #	Year
TRIM	093M.094	1995

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 6.0
ILP Map #
ILP #

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 6 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/09/14

To: 2001/09/14

Agency: C172

Crew: JH/RT

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
922	093M.094	90022	9 605060 6198480 GPU AG 1	6			L	
980	093M.094	90080	9 605060 6198480 GPU AG 1	6			C	
624	093M.094	60024	9 605300 6197929 GPU AG 2	7			C	
624	093M.094	60024	9 605300 6197929 GPU AG 1	7			C	
623	093M.094	60023	9 605241 6198075 GPU AG 2	7			C	
623	093M.094	60023	9 605241 6198075 GPU AG 1	7			C	
622	093M.094	60022	9 605165 6198391 GPU AG 2	7			C	
622	093M.094	60022	9 605165 6198391 GPU AG 1	7			C	
621	093M.094	60021	9 605060 6198480 GPU AG 2	7			C	
621	093M.094	60021	9 605060 6198480 GPU AG 1	7			C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
621	AG 1	1	2001/09/14	10:20	2001/09/14	10:30	
621	AG 2	1	2001/09/14	10:20	2001/09/14	10:30	
622	AG 1	1	2001/09/14	10:40	2001/09/14	10:55	
622	AG 2	1	2001/09/14	10:40	2001/09/14	10:55	
623	AG 1	1	2001/09/14	11:00	2001/09/14	11:10	
623	AG 2	1	2001/09/14	11:00	2001/09/14	11:10	
624	AG 1	1	2001/09/14	11:15	2001/09/14	11:30	
624	AG 2	1	2001/09/14	11:15	2001/09/14	11:30	
922	AG 1	1	2001/08/20	15:00	2001/08/20	15:45	
980	AG 1	1	2002/09/08	11:35	2002/09/08	12:00	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
621	AG 1	1	BT	A		1	530 530	R	
621	AG 2	1	NFC			0			
622	AG 1	1	NFC			0			
622	AG 2	1	NFC			0			
623	AG 1	1	NFC			0			
623	AG 2	1	NFC			0			
624	AG 1	1	NFC			0			
624	AG 2	1	NFC			0			
922	AG 1	1	BT	A		5	400 590	R	
980	AG 1	1	CO	A		4	500 570	S	

INDIVIDUAL FISH DATA

Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age	Vch#	Genetic	Roll #	Frame#	Comment
								Str/Smpl#		Str/Smpl#			
621	AG 1	1	BT	530		M	M	FR 62000 8			62	5	Roll 62 Frame 6 two photos taken
980	AG 1	1	CO	500		U	U						
980	AG 1	1	CO	570		U	U						
980	AG 1	1	CO	510		U	U						
980	AG 1	1	CO	530		U	U						
922	AG 1	1	BT	400		M	MT	FR 14474 11					
922	AG 1	1	BT	480		M	MT	FR 14477 5					
922	AG 1	1	BT	500		F	M	FR 14476 7					
922	AG 1	1	BT	590		F	MT	FR 14479 13					

COMMENTS

Section

Comments

FDIS Fish Card

Shelagyote River Planning Area

Watershed Code:

480-195700-00000-00000-0000-000-000-000-000-000-000

Reach #

ILP Map #

ILP #

6.0

Section	Comments
WATERBODY	Site 624 No fish caught. Potential staging area. Cover provided by undercut banks and overstream vegetation. No redds observed in stream walk (200 m). Spawning (pockets) present throughout section for CO/BT/ST
WATERBODY	Site 623 No fish caught. Potential staging area. Log jam with abundant cover. No redds observed in 200 m section walked. Spawning habitat is present upstream and downstream of log jam. Suitable sized substrates, moderate flow, access to cover
WATERBODY	Site 622 No fish caught. Potential staging area. No redds observed in 200 m (GE section walked). Cover, pools, flows provide potential BT staging and rearing

Site #623

FDIS Reach Card **Shelagyote River Planning Area**

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

Reach # 6.0 ILP Map # ILP #

PROJECT									
Project Name: Shelagyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:		ILP #:		Reach #: 6.0		NID Map #: 093M.094		NID #: 11058	
Air Photos		Names		UTM(Zone/East/North/Method)		9.605026.6198514		GIS	
LINE: 30BCB92073		Gaz.: SHELAGYOTE RIVER						Sample Type: R Wetland: ☐	
#: 131		Local:							
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 1.30		Gradient: 1.54		Setting: VF		DISTURBANCE INDICATORS			
DS Elev.: 879		Order: 5		Open water: P		O1 ☐ B1 ☐ B2 ☐ B3 ☐ D1 ☐ D2 ☐ D3 ☐			
US Elev: 899		Magnitude: 233		Confinement: OC		C1 ☐ C2 ☐ C3 ☐ C4 ☐ C5 ☐ S1 ☐ S2 ☐ S3 ☐ S4 ☐ S5 ☐			
		BGC Zone: SBS		Coupling: DC		☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐			
Valley Flat: B		C/D: C		Islands: N					
Active Floodplain Visible: ☐		Est. Width:		Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR					
Channel Pattern: IR				Mass Movement: L		Exposed/Eroded: NS			
				Riparian Veg.: D		Landuse: NO			

MAPS		
Map Type	Map #	Year
TRIM	093M.094	1995

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 6.0
ILP Map #
ILP #

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 6 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/09/14

To: 2001/09/14

Agency: C172

Crew: JH/RT

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
922	093M.094	90022	9 605060 6198480 GPU	AG 1	6		L	
980	093M.094	90080	9 605060 6198480 GPU	AG 1	6		C	
624	093M.094	60024	9 605300 6197929 GPU	AG 2	7		C	
624	093M.094	60024	9 605300 6197929 GPU	AG 1	7		C	
623	093M.094	60023	9 605241 6198075 GPU	AG 2	7		C	
623	093M.094	60023	9 605241 6198075 GPU	AG 1	7		C	
622	093M.094	60022	9 605165 6198391 GPU	AG 2	7		C	
622	093M.094	60022	9 605165 6198391 GPU	AG 1	7		C	
621	093M.094	60021	9 605060 6198480 GPU	AG 2	7		C	
621	093M.094	60021	9 605060 6198480 GPU	AG 1	7		C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
621	AG 1	1	2001/09/14	10:20	2001/09/14	10:30	
621	AG 2	1	2001/09/14	10:20	2001/09/14	10:30	
622	AG 1	1	2001/09/14	10:40	2001/09/14	10:55	
622	AG 2	1	2001/09/14	10:40	2001/09/14	10:55	
623	AG 1	1	2001/09/14	11:00	2001/09/14	11:10	
623	AG 2	1	2001/09/14	11:00	2001/09/14	11:10	
624	AG 1	1	2001/09/14	11:15	2001/09/14	11:30	
624	AG 2	1	2001/09/14	11:15	2001/09/14	11:30	
922	AG 1	1	2001/08/20	15:00	2001/08/20	15:45	
980	AG 1	1	2002/09/08	11:35	2002/09/08	12:00	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
621	AG 1	1	BT	A		1	530 530	R	
621	AG 2	1	NFC			0			
622	AG 1	1	NFC			0			
622	AG 2	1	NFC			0			
623	AG 1	1	NFC			0			
623	AG 2	1	NFC			0			
624	AG 1	1	NFC			0			
624	AG 2	1	NFC			0			
922	AG 1	1	BT	A		5	400 590	R	
980	AG 1	1	CO	A		4	500 570	S	

INDIVIDUAL FISH DATA

Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age	Vch#	Genetic	Roll #	Frame#	Comment
								Str/Smpl#		Str/Smpl#			
621	AG 1	1	BT	530		M	M	FR 62000 8			62	5	Roll 62 Frame 6 two photos taken
980	AG 1	1	CO	500		U	U						
980	AG 1	1	CO	570		U	U						
980	AG 1	1	CO	510		U	U						
980	AG 1	1	CO	530		U	U						
922	AG 1	1	BT	400		M	MT	FR 14474 11					
922	AG 1	1	BT	480		M	MT	FR 14477 5					
922	AG 1	1	BT	500		F	M	FR 14476 7					
922	AG 1	1	BT	590		F	MT	FR 14479 13					

COMMENTS

Section

Comments

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 6.0
ILP Map #
ILP #

Section	Comments
WATERBODY	Site 624 No fish caught. Potential staging area. Cover provided by undercut banks and overstream vegetation. No redds observed in stream walk (200 m). Spawning (pockets) present throughout section for CO/BT/ST
WATERBODY	Site 623 No fish caught. Potential staging area. Log jam with abundant cover. No redds observed in 200 m section walked. Spawning habitat is present upstream and downstream of log jam. Suitable sized substrates, moderate flow, access to cover
WATERBODY	Site 622 No fish caught. Potential staging area. No redds observed in 200 m (GE section walked). Cover, pools, flows provide potential BT staging and rearing

Site #624

FDIS Reach Card

Shelagyte River Planning Area

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

Reach # 6.0 ILP Map # ILP #

PROJECT									
Project Name: Shelagyte Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	6.0	NID Map #:	093M.094	NID #:	11058		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92073	Gaz.: SHELAGYTE RIVER			9.605026.6198514 GIS					
#: 131	Local:			Sample Type: R Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 1.30	Gradient: 1.54	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 879	Order: 5	Open water: P	O1	B1	B2	B3	D1	D2	D3
US Elev.: 899	Magnitude: 233	Confinement: OC	C1	C2	C3	C4	C5	S1	S2
	BGC Zone: SBS	Coupling: DC						S3	S4
Valley Flat: B	C/D: C								
Active Floodplain Visible: ☐	Est. Width:	Islands: N	Bars: ☒ N	☐ SIDE	☐ DIAG	☐ MID	☐ SPAN	☐ BR	
Channel Pattern: IR		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						
MAPS									
Map Type	Map #	Year							
TRIM	093M.094	1995							

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # ILP Map # ILP #
6.0

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 6 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/09/14

To: 2001/09/14

Agency: C172

Crew: JH/RT

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
922	093M.094	90022	9 605060 6198480 GPU AG 1	6			L	
980	093M.094	90080	9 605060 6198480 GPU AG 1	6			C	
624	093M.094	60024	9 605300 6197929 GPU AG 2	7			C	
624	093M.094	60024	9 605300 6197929 GPU AG 1	7			C	
623	093M.094	60023	9 605241 6198075 GPU AG 2	7			C	
623	093M.094	60023	9 605241 6198075 GPU AG 1	7			C	
622	093M.094	60022	9 605165 6198391 GPU AG 2	7			C	
622	093M.094	60022	9 605165 6198391 GPU AG 1	7			C	
621	093M.094	60021	9 605060 6198480 GPU AG 2	7			C	
621	093M.094	60021	9 605060 6198480 GPU AG 1	7			C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
621	AG 1	1	2001/09/14	10:20	2001/09/14	10:30	
621	AG 2	1	2001/09/14	10:20	2001/09/14	10:30	
622	AG 1	1	2001/09/14	10:40	2001/09/14	10:55	
622	AG 2	1	2001/09/14	10:40	2001/09/14	10:55	
623	AG 1	1	2001/09/14	11:00	2001/09/14	11:10	
623	AG 2	1	2001/09/14	11:00	2001/09/14	11:10	
624	AG 1	1	2001/09/14	11:15	2001/09/14	11:30	
624	AG 2	1	2001/09/14	11:15	2001/09/14	11:30	
922	AG 1	1	2001/08/20	15:00	2001/08/20	15:45	
980	AG 1	1	2002/09/08	11:35	2002/09/08	12:00	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
621	AG 1	1	BT	A		1	530 530	R	
621	AG 2	1	NFC			0			
622	AG 1	1	NFC			0			
622	AG 2	1	NFC			0			
623	AG 1	1	NFC			0			
623	AG 2	1	NFC			0			
624	AG 1	1	NFC			0			
624	AG 2	1	NFC			0			
922	AG 1	1	BT	A		5	400 590	R	
980	AG 1	1	CO	A		4	500 570	S	

INDIVIDUAL FISH DATA

Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age	Vch#	Genetic	Roll #	Frame#	Comment
621	AG 1	1	BT	530		M	M	FR 62000 8					Roll 62 Frame 6 two photos taken
980	AG 1	1	CO	500		U	U						
980	AG 1	1	CO	570		U	U						
980	AG 1	1	CO	510		U	U						
980	AG 1	1	CO	530		U	U						
922	AG 1	1	BT	400		M	MT	FR 14474 11					
922	AG 1	1	BT	480		M	MT	FR 14477 5					
922	AG 1	1	BT	500		F	M	FR 14476 7					
922	AG 1	1	BT	590		F	MT	FR 14479 13					

COMMENTS

Section

Comments

FDIS Fish Card

Shelagyote River Planning Area

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

Reach #

ILP Map #

ILP #

6.0

Section	Comments
WATERBODY	Site 624 No fish caught. Potential staging area. Cover provided by undercut banks and overstream vegetation. No redds observed in stream walk (200 m). Spawning (pockets) present throughout section for CO/BT/ST
WATERBODY	Site 623 No fish caught. Potential staging area. Log jam with abundant cover. No redds observed in 200 m section walked. Spawning habitat is present upstream and downstream of log jam. Suitable sized substrates, moderate flow, access to cover
WATERBODY	Site 622 No fish caught. Potential staging area. No redds observed in 200 m (GE section walked). Cover, pools, flows provide potential BT staging and rearing

FDIS Reach/Site Summary

Shelagyote River Planning Area

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

Reach # ILP Map # ILP #

1.0

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 480-195700-48200-00000-0000-0000-000-000-000-000-000					ILP Map #:		ILP #:		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 9.603663.6186128				Sample Type: Random			
Length (km): 5.08		Coupling: Decoupled		Magnitude: 188		BGC Zone: SBS			
Gradient (%): 2.3		Confinement: Unconfined		Order: 5		Open water: Absent			
US Elev (m): 876		Islands: NONE		Riparian Vegetation: Deciduous					
Bars: None ☒ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: None/natural									
SITE									
Site #: 15		Field UTM 9.604900.6185185		Agency: C172		Crew: JD/EL		Date: 2001/08/06	
Site Length (m): 250		GIS UTM 9.604862.6185277		Agency Name: Triton Environmental Consultants (Terrace)					
CHANNEL									
No Vis.Ch.: ☐ Intermittent: ☐				Avg		Min		Max	
Dewatered: ☐ Tribs.: ☐				Channel Width (m):		25.17		22	
Stage: Low ☐				Wetted Width (m):		20.50		17	
Med ☒				Bankfull Depth (m):		0.57		0.5	
High ☐		Temp (C): 5		pH: 7.8		Conductivity: 40			
						Avg		Min	
						Gradient %:		5.25	
						Pool Depth (m):		0.68	
								0.5	
								0.800	
								6	
								Turbidity: Turbid ☐ Low ☒	
								Moderate ☐ Clear ☐	
MORPHOLOGY									
Bed Material: Dominant: Cobble		D95 (cm): 114.00		Bars: Non ☐ Side ☒ Diagonal ☒ Mid-channel ☒ Span ☐					
Subdominant: Boulders		D (cm): 19.00				Braid ☐			
Channel Pattern: Sinuous		Islands: Occasional		DISTURBANCE		O1 B1 B2 B3 D1 D2 D3			
Coupling: Decoupled				INDICATORS		☐ ☐ ☐ ☐ ☐ ☐ ☐			
Confinement: Frequently Confined				C1 C2 C3 C4 C5 S1 S2 S3 S4 S5		☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐			
Morphology: CP Cascade Pool									
COVER									
Total Cover: Abundant		Type: SWD LWD B U DP OV IV							
LWD: Few		Amount: T S D T T T T N							
LWD Dist: Evenly Distributed		Location: P/S/O: ☒ ☐ ☐ ☒ ☐ ☐ ☒ ☐ ☐ ☐ ☐ ☐		FSZ: ☐					
Right Bank: Shape: Sloping (g)		Texture: Fines ☐ Gravel ☒ Cobble ☒ Boulder ☐ Rock ☐ Manmade ☐		Crown Closure 1-20%					
Left Bank: Shape: Sloping (g)		Texture: Fines ☐ Gravel ☒ Cobble ☒ Boulder ☐ Rock ☐ Manmade ☐							
Right Bank: Rip.Veg: Mixed C/D		Stage: Mature forest							
Left Bank: Rip.Veg:		Stage: Mature forest		Instream Veg: None ☒ Algae ☐ Moss ☐ Vascular ☐					

FDIS Reach/Site Summary

Shelagyote River Planning Area

Reach # ILP Map # ILP #

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

1.0

SITE											
Site #: 625		Field UTM 9.607463.6184555		Agency: C172		Crew: JH/RT		Date: 2001/09/14			
Site Length (m): 600		GIS UTM 9.607387.6184620		Agency Name: Triton Environmental Consultants (Terrace)							
CHANNEL											
No Vis.Ch.: ☐		Intermittent: ☐		Avg		Min		Max		#	
Dewatered: ☐		Tribes.: ☐		Channel Width (m):		16.37		12.2		22.10	
Stage: Low ☒				Wetted Width (m):		7.08		3.6		9.4	
Med ☐				Bankfull Depth (m):		1.30		1.2		1.4	
High ☐		Temp (C): 9		pH: 7.2		Conductivity: 80		Avg		Min	
								Gradient %:		4.50	
								Pool Depth (m):		0.45	
								Turbidity.: Turbid ☐		Low ☐	
								Moderate ☐		Clear ☒	
MORPHOLOGY											
Bed Material: Dominant: Cobble		D95 (cm): 100.00		Bars: Non ☐		Side ☒		Diagonal ☐		Mid-channel ☐	
Subdominant: Boulders		D (cm): 50.00								Span ☐	
Channel Pattern: Irregular, Wandering		Islands: None		DISTURBANCE		O1		B1		B2	
Coupling: Partially Coupled				INDICATORS		B3		D1		D2	
Confinement: Occasionally Confine						C1		C2		C3	
Morphology: RP Riffle Pool						C4		C5		S1	
						S2		S3		S4	
						S5					
COVER											
Total Cover: Abundant		Type: SWD		LWD		B		U		DP	
LWD: Few		Amount: N		T		D		T		S	
LWD Dist: Clumped		Location: P/S/O:		☐		☒		☐		☐	
				☐		☐		☐		☐	
Right Bank: Shape: Undercut		Texture: Fines ☐		Gravel ☒		Cobble ☐		Boulder ☐		Rock ☐	
Left Bank: Shape: Undercut		Texture: Fines ☐		Gravel ☒		Cobble ☐		Boulder ☐		Rock ☐	
Right Bank: Rip.Veg: Mixed C/D		Stage: Mature forest								Crown Closure	
Left Bank: Rip.Veg:		Stage: Mature forest								1-20%	
										Instream Veg: None ☒	
										Algae ☐	
										Moss ☐	
										Vascular ☐	
FISH											
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)		
15	EF	1	250	310 sec	600	DV	10	54	80		
15	EF	1	250	310 sec	600	BT	5	59	86		

FDIS Site Card

Shelagyote River Planning Area

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

Reach # 1.0 ILP Map # ILP # Site 625

PROJECT

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

WATERSHED

Gazetted Name: Watershed Code: 480-195700-48200-00000-00000-00000-00000-00000-00000-000
ILP Map#: ILP #: NID Map #: 093M.074 NID #: 60025 Reach #: 1.0 Site #: 625
Field UTM (Z.E.N): 9.607463.6184555 Method: GPU Site Lg: 600 Method: GE Access: H
GIS UTM (Z.E.N): 9.607387.6184620 Ref. Name:
Date: 2001/09/14 Time: 12:00 Agency: C172 Crew: JH/RT Fish Crd?: ☐ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg		Gadient %		Mtd	Avg
Channel Width (m):	GE	12.20	16.80	20.20	12.30	14.60	22.10					16.37	Method I:	4.0	5.0	C	4.50
Wetted Width (m):	GE	8.10	6.30	7.20	7.90	3.60	9.40					7.08	Method II:			C	
Pool Depth (m):	GE	0.50	0.40	0.50	0.40							0.45					

Wb Depth: 1.3 1.4 1.2 Avg: 1.30 Method: GE Stage: L ☒ M ☐ H ☐ No Vis.Ch.: ☐ Intermittent: ☐ Dw: ☐ Tribs.: ☐

COVER Total: A

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

LWD: F DIST: C

LB SHP: U

Texture: F ☐ G ☒ C ☐ B ☐ R ☐ A ☐

RIP: M

STG: MF

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

RB SHP: U

Texture: F ☐ G ☒ C ☐ B ☐ R ☐ A ☐

RIP: M

STG: MF

WATER

EMS: Temp: 9 Method: T4 Req #: Cond.: 80 Method: S3
pH: 7.2 Method: P2 Turb.: T ☐ M ☐ L ☐ C ☒ Method: GE
Flood Signs: Rafted debris Method: GE

MORPHOLOGY

Bed Material: Dominant: C Subdom: B O1 B1 B2 B3 D1 D2 D3
D95: 100.0 D (cm): 50.00 Morph: RP DISTURBANCE INDICATORS
Pattern: IR C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
Islands: N
Coupling: PC
Confinement: OC
FSZ: ☐ Bars: N ☐ SIDE ☒ DIAG ☐ MID ☐ SPAN ☐ BR ☐

HABITAT QUALITY

Name	Comments
OverWinter Habitat	Potential
Rearing Habitat	Moderate-associated with flows/morphology, primarily juvenile/fry rearing
Spawning Habitat	Low-limited by coarse substrates, cover, lack of resting/rearing areas-associated with small gravel patches

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 62 F: 7 STD U			Upstream photo from the Shelagyote confluence
R: 62 F: 8 STD D			Downstream photo towards Shelagyote confluence

FDIS Site Card

Shelagyote River Planning Area

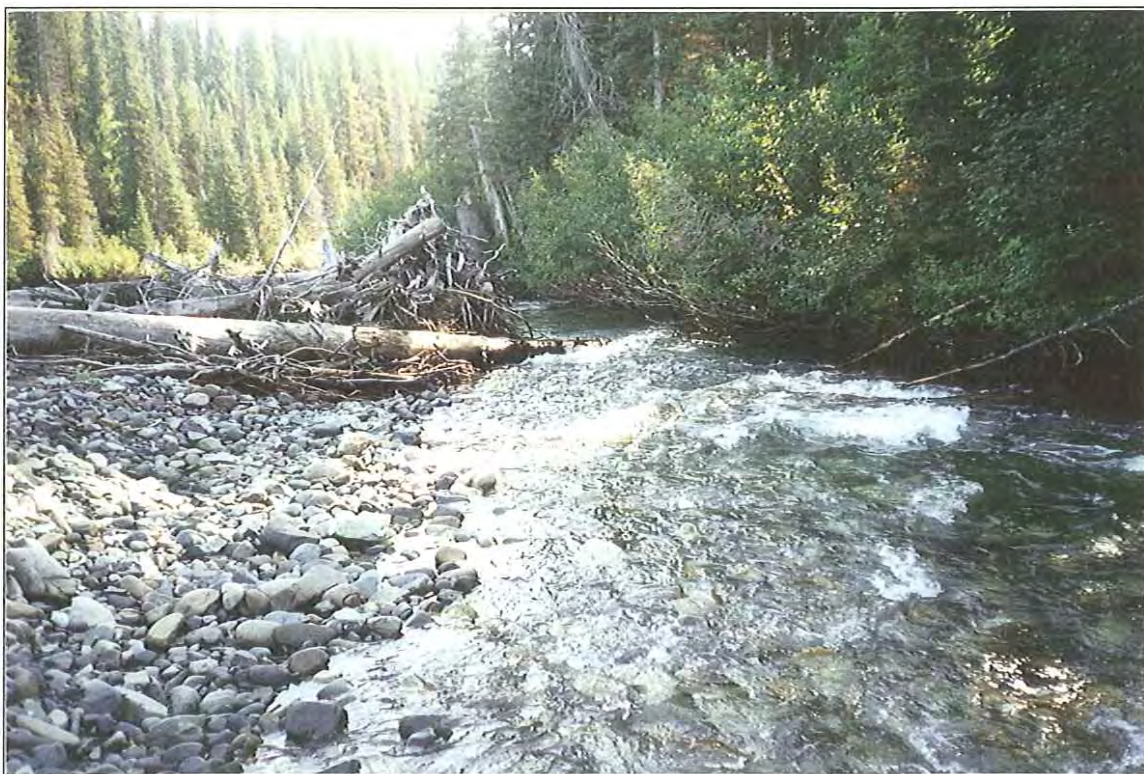
Watershed Code: 480-195700-48200-00000-0000-0000-000-000-000-000-000

Reach #	ILP Map #	ILP #	Site
1.0			625

COMMENTS	
Section	Comments
CHANNEL	Most of the site was completed out of the helicopter all pools were visible to the bottom. Lower 150 m was walked. No redds were observed. BT captured downstream of confluence in the Shelagyote River.



Site #625, Upstream photo from the Shelagyote confluence.
Roll #62, Frame #7, Date: 2001/09/14



Site #625, Downstream photo towards Shelagyote confluence.
Roll #62, Frame #8, Date: 2001/09/14

Site #626

FDIS Reach Card

Shelagyote River Planning Area

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

Reach #	ILP Map #	ILP #
4.0		

PROJECT									
Project Name: Shelagyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	4.0	NID Map #:	093M.074	NID #:	15437		
Air Photos	Names			UTM(Zone/East/North/Method)					
LINE: 30BCB92119	Gaz.: SHELAGYOTE RIVER			9.607478.6184546 GIS					
#: 135	Local:			Sample Type: B Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 7.38	Gradient: 0.58	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 720	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev: 763	Magnitude: 1151	Confinement: OC	☐	☐	☐	☐	☐	☐	☐
BGC Zone: ESSF	Coupling: DC		C1	C2	C3	C4	C5	S1	S2
			☐	☐	☐	☐	☐	☐	☐
Valley Flat: B	C/D: C	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IR		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						
MAPS									
Map Type	Map #	Year							
TRIM	093M.074	1995							

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 4.0
ILP Map #
ILP #

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 4 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/09/14

To: 2001/09/14

Agency: C172

Crew: JH/RT

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mhd	MTD/NO	Temp	Cond	Turbid	Comment
881	093M.074	80081	9 607713 6183691 GPU AG 1	7				
982	093M.074	90082	9 607549 6184502 GPU AG 1	6			C	
912	093M.074	90012	9 607725 6183683 GPU AG 2				L	
912	093M.074	90012	9 607725 6183683 GPU AG 1				L	
780	093M.074	22780	9 607692 6183387 GPU AG 2					
780	093M.074	22780	9 607692 6183387 GPU AG 1					
779	093M.074	22779	9 607642 6183390 GPU AG 2					
779	093M.074	22779	9 607642 6183390 GPU AG 1					
678	093M.074	22678	9 607730 6183688 GPU AG 2					
678	093M.074	22678	9 607730 6183688 GPU AG 1					
627	093M.074	60027	9 607729 6183691 GPU AG 2	9			C	
627	093M.074	60027	9 607729 6183691 GPU AG 1	9			C	
626	093M.074	60026	9 607549 6184502 GPU AG 2	9			C	
626	093M.074	60026	9 607549 6184502 GPU AG 1	9			C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
626	AG 1	1	2001/09/14	13:00	2001/09/14	13:30	
626	AG 2	1	2001/09/14	13:00	2001/09/14	13:30	
627	AG 1	1	2001/09/14	13:50	2001/09/14	14:10	
627	AG 2	1	2001/09/14	13:50	2001/09/14	14:10	
678	AG 1	1	2002/09/08	12:15	2002/09/08	12:30	
678	AG 2	1	2002/09/08	12:15	2002/09/08	12:30	
779	AG 1	1	2002/09/08	12:35	2002/09/08	12:45	
779	AG 2	1	2002/09/08	12:35	2002/09/08	12:45	
780	AG 1	1	2002/09/08	12:50	2002/09/08	13:10	
780	AG 2	1	2002/09/08	12:50	2002/09/08	13:10	
881	AG 1	1	2002/09/21	12:00	2002/09/21	12:17	
912	AG 1	1	2001/08/20	12:30	2001/08/20	12:50	
912	AG 2	1	2001/08/20	12:30	2001/08/20	12:50	
982	AG 1	1	2002/09/08	12:05	2002/09/08	12:35	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
626	AG 1	1	BT	A		1	520 520	S	
626	AG 2	1	BT	A		1	560 560	S	
627	AG 1	1	NFC			0			
627	AG 2	1	NFC			0			
678	AG 1	1	NFC			0			
678	AG 2	1	NFC			0			
779	AG 1	1	NFC			0			
779	AG 2	1	BT	A		1	290 290	R	
780	AG 1	1	NFC			0			
780	AG 2	1	NFC			0			
881	AG 1	1	NFC			0			
912	AG 1	1	NFC			0			
912	AG 2	1	NFC			0			
982	AG 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#	

FDIS Fish Card

Shelagyote River Planning Area

Reach # ILP Map # ILP #

Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000 4.0

Str/Smpl#/Age										Str/Smpl#			
626	AG	1	1	BT	520		F	SP	FR	62001	7		
626	AG	2	1	BT	560		F	SP	FR	62002	7		
779	AG	2	1	BT	290		M	U	FR	1779	5		

COMMENTS

Section	Comments
WATERBODY	Site 627 No fish caught. Toilet bowl. Potential staging. Deep tank approx. 3 m deep
WATERBODY	Site 626 Both fish were still quite firm and obviously not spawned out.
WATERBODY	Site 626 BT have been captured at this location on three separate occasions. No redds observed. Fish expressed eggs when squeezed or handled slightly. Tail was slightly marked and pappilae was not protruding.



Site #626, Bull trout.
Roll #62, Frame #09, Date: 2001/09/14



Site #626, Bull trout.
Roll #62, Frame #10, Date: 2001/09/14

Site #627

FDIS Reach Card **Shelagyote River Planning Area**

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

Reach # 4.0 ILP Map # ILP #

PROJECT									
Project Name: Shelagyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:		ILP #:		Reach #: 4.0		NID Map #: 093M.074		NID #: 15437	
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92119		Gaz.: SHELAGYOTE RIVER		9.607478.6184546 GIS					
#: 135		Local:		Sample Type: B Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11				Agency: C172			Crew: JH/JA		
ATTRIBUTES									
Length (km): 7.38		Gradient: 0.58		Setting: VF		DISTURBANCE			
DS Elev.: 720		Order: 6		Open water: A		INDICATORS			
US Elev: 763		Magnitude: 1151		Confinement: OC		C1 C2 C3 C4 C5 S1 S2 S3 S4 S5			
		BGC Zone: ESSF		Coupling: DC		☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐			
Valley Flat: B		C/D: C		Islands: N					
Active Floodplain Visible: ☐		Est. Width:		Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR		Mass Movement: L			
Channel Pattern: IR				Riparian Veg.: D		Exposed/Eroded: NS			
						Landuse: NO			
MAPS									
Map Type		Map #		Year					
TRIM		093M.074		1995					

FDIS Fish Card

Shelagoyote River Planning Area

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

Reach # 4.0
ILP Map #
ILP #

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagoyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 4 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/09/14

To: 2001/09/14

Agency: C172

Crew: JH/RT

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
881	093M.074	80081	9 607713 6183691 GPU AG 1	7				
982	093M.074	90082	9 607549 6184502 GPU AG 1	6			C	
912	093M.074	90012	9 607725 6183683 GPU AG 2				L	
912	093M.074	90012	9 607725 6183683 GPU AG 1				L	
780	093M.074	22780	9 607692 6183387 GPU AG 2					
780	093M.074	22780	9 607692 6183387 GPU AG 1					
779	093M.074	22779	9 607642 6183390 GPU AG 2					
779	093M.074	22779	9 607642 6183390 GPU AG 1					
678	093M.074	22678	9 607730 6183688 GPU AG 2					
678	093M.074	22678	9 607730 6183688 GPU AG 1					
627	093M.074	60027	9 607729 6183691 GPU AG 2	9			C	
627	093M.074	60027	9 607729 6183691 GPU AG 1	9			C	
626	093M.074	60026	9 607549 6184502 GPU AG 2	9			C	
626	093M.074	60026	9 607549 6184502 GPU AG 1	9			C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
626	AG 1	1	2001/09/14	13:00	2001/09/14	13:30	
626	AG 2	1	2001/09/14	13:00	2001/09/14	13:30	
627	AG 1	1	2001/09/14	13:50	2001/09/14	14:10	
627	AG 2	1	2001/09/14	13:50	2001/09/14	14:10	
678	AG 1	1	2002/09/08	12:15	2002/09/08	12:30	
678	AG 2	1	2002/09/08	12:15	2002/09/08	12:30	
779	AG 1	1	2002/09/08	12:35	2002/09/08	12:45	
779	AG 2	1	2002/09/08	12:35	2002/09/08	12:45	
780	AG 1	1	2002/09/08	12:50	2002/09/08	13:10	
780	AG 2	1	2002/09/08	12:50	2002/09/08	13:10	
881	AG 1	1	2002/09/21	12:00	2002/09/21	12:17	
912	AG 1	1	2001/08/20	12:30	2001/08/20	12:50	
912	AG 2	1	2001/08/20	12:30	2001/08/20	12:50	
982	AG 1	1	2002/09/08	12:05	2002/09/08	12:35	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
626	AG 1	1	BT	A		1	520 520	S	
626	AG 2	1	BT	A		1	560 560	S	
627	AG 1	1	NFC			0			
627	AG 2	1	NFC			0			
678	AG 1	1	NFC			0			
678	AG 2	1	NFC			0			
779	AG 1	1	NFC			0			
779	AG 2	1	BT	A		1	290 290	R	
780	AG 1	1	NFC			0			
780	AG 2	1	NFC			0			
881	AG 1	1	NFC			0			
912	AG 1	1	NFC			0			
912	AG 2	1	NFC			0			
982	AG 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#			

Shelagyote River Planning Area

480-195700-00000-00000-0000-0000-000-000-000-000-000-000

ILP #

4.0

[illegible]

Site #628

FDIS Reach Card **Shelagyote River Planning Area**

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

Reach # 2.0 ILP Map # ILP #

PROJECT									
Project Name: Shelagyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:		ILP #:		Reach #: 2.0		NID Map #: 093M.074		NID #: 15753	
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92093		Gaz.: SHELAGYOTE RIVER		9.610992.6177392 GIS					
#: 57		Local:				Sample Type: R		Wetland: ☐	
SURVEY INFO									
Date: 2001/07/11				Agency: C172			Crew: JH/JA		
ATTRIBUTES									
Length (km): 14.71		Gradient: 0.6		Setting: VF		DISTURBANCE INDICATORS			
DS Elev.: 604		Order: 6		Open water: A		O1 B1 B2 B3 D1 D2 D3 ☐ ☐ ☐ ☐ ☐ ☐ ☐			
US Elev: 692		Magnitude: 1393		Confinement: OC		C1 C2 C3 C4 C5 S1 S2 S3 S4 S5 ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐			
		BGC Zone: SBS		Coupling: PC					
Valley Flat: B		C/D: D		Islands: N					
Active Floodplain Visible: ☐		Est. Width:		Bars: ☒ N ☐ SIDE		☐ DIAG ☐ MID		☐ SPAN ☐ BR	
Channel Pattern: IR				Mass Movement: L		Exposed/Eroded: NS		Landuse: NO	
				Riparian Veg.: D					

MAPS		
Map Type	Map #	Year
TRIM	093M.074	1995
TRIM	093M.065	1990

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 2.0
ILP Map #
ILP #

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 2 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/08/20

To: 2001/08/20

Agency: C172

Crew: JH/TM/JD/

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
629	093M.065	60029	9 613994 6172469 GPU AG 2	9			C	
904	093M.065	90004	9 616191 6169530 GPU AG 2	6			L	
905	093M.065	90005	9 615355 6170675 GPU AG 1	6			L	
905	093M.065	90005	9 615355 6170675 GPU AG 2	6			L	
906	093M.074	90006	9 611719 6175544 GPU AG 1	6			L	65 cm visibility
906	093M.074	90006	9 611719 6175544 GPU AG 2	6			L	
774	093M.065	22774	9 614307 6171705 GPU AG 1				L	
774	093M.064	22774	9 614307 6171705 GPU AG 2				L	
628	093M.065	60028	9 613840 6172687 GPU AG 1	9			C	
904	093M.065	90004	9 616191 6169530 GPU AG 1	6			L	
629	093M.065	60029	9 613994 6172469 GPU AG 1	9			C	
882	093M.074	80082	9 611716 6175535 GPU AG 1	7				
781	093M.065	22781	9 614315 6171717 GPU AG 1					
781	093M.065	22781	9 614315 6171717 GPU AG 2					
911	093M.065	90011	9 614309 6171708 GPU AG 1				L	
911	093M.065	90011	9 614309 6171708 GPU AG 2				L	
911	093M.065	90011	9 614309 6171708 GPU VO 1				L	
983	093M.074	90083	9 611716 6175563 GPU AG 1	6			C	
984	093M.065	90084	9 615350 6170658 GPU AG 1	6			C	
883	093M.065	80083	9 614362 6171686 GPU AG 1	7				
883	093M.065	80083	9 614362 6171686 GPU AG 2	7				
628	093M.065	60028	9 613840 6172687 GPU AG 2	9			C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
628	AG 1	1	2001/09/14	14:10	2001/09/14	14:40	
628	AG 2	1	2001/09/14	14:10	2001/09/14	14:40	
629	AG 1	1	2001/09/14	15:00	2001/09/14	16:00	
629	AG 2	1	2001/09/14	15:00	2001/09/14	16:00	
774	AG 1	1	2001/09/14	13:00	2001/09/14	14:30	
774	AG 2	1	2001/09/14	13:00	2001/09/14	14:30	
781	AG 1	1	2002/09/08	13:30	2002/09/08	15:00	
781	AG 2	1	2002/09/08	13:30	2002/09/08	15:00	
882	AG 1	1	2002/09/21	12:30	2002/09/21	12:47	
883	AG 1	1	2002/09/21	13:15	2002/09/21	14:17	
883	AG 2	1	2002/09/21	16:45	2002/09/21	17:00	
904	AG 1	1	2001/08/20	11:30	2001/08/20	12:15	
904	AG 2	1	2001/08/20	11:30	2001/08/20	12:15	
905	AG 1	1	2001/08/20	12:20	2001/08/20	13:05	
905	AG 2	1	2001/08/20	12:20	2001/08/20	13:05	
906	AG 1	1	2001/08/20	13:10	2001/08/20	13:40	
906	AG 2	1	2001/08/20	13:10	2001/08/20	13:40	
911	AG 1	1	2001/08/20	10:15	2001/08/20	12:15	
911	AG 2	1	2001/08/20	10:15	2001/08/20	12:15	
911	VO 1	1	2001/08/20	10:15	2001/08/20	12:15	
983	AG 1	1	2002/09/08	12:40	2002/09/08	13:15	
984	AG 1	1	2002/09/08	13:20	2002/09/08	14:00	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
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FDIS Fish Card

Shelagyote River Planning Area

Reach # ILP Map # ILP #

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

2.0

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
628	AG	1	1	NFC		0			
628	AG	2	1	NFC		0			
629	AG	1	1	BT	A	2	570 650	S	
629	AG	2	1	BT	A	1	480 480	S	
774	AG	1	1	BT	A	1	595 595	R	
774	AG	2	1	RB	A	1	400 400	R	
781	AG	1	1	CO	A	4	450 590	R	
781	AG	2	1	BT	A	1	610 610	R	
781	AG	2	1	RB	A	1	410 410	R	
882	AG	1	1	NFC		0			
883	AG	1	1	BT	A	5	510 600	S	
883	AG	1	1	ST	A	2	690 740	R	
883	AG	2	1	BT	A	3	480 574	S	
904	AG	1	1	NFC		0			
904	AG	2	1	NFC		0			
905	AG	1	1	BT	A	1	410 410	R	
905	AG	2	1	NFC		0			
906	AG	1	1	NFC		0			
906	AG	2	1	NFC		0			
911	AG	1	1	BT	A	4	280 450	R	
911	AG	2	1	CO	A	1	630 630	R	
911	AG	2	1	RB	A	1	418 418	R	
911	VO	1	1	CH	A	1	800 800	R	
983	AG	1	1	NFC		0			
984	AG	1	1	CO	A	2	540 650	S	

INDIVIDUAL FISH DATA

Site#	MTD/NO		H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment
									Str/Smpl#	Age			Str/Smpl#				
905	AG	1	1	BT	410		F	IM	FR	1901	5				91	1	Roll 91 Frames 2, 3, 4 are of the same fish Roll 31 Frame 4. Tagged 10225
774	AG	1	1	BT	595		M	ST	FR	7741	8				31	3	
629	AG	1	1	BT	570		F	ST	FR	62003	8				62	11	
629	AG	1	1	BT	650		M	ST	FR	62004	11				62	12	
629	AG	2	1	BT	480		F	SP	FR	62005	8				62	13	
781	AG	1	1	CO	450		M	U									
781	AG	1	1	CO	480		M	U							31	15	
781	AG	1	1	CO	590		M	U							31	16	
781	AG	1	1	CO	550		M	U									
781	AG	2	1	BT	610		M	U							31	17	Not ready to spawn. Tagged 10225
781	AG	2	1	RB	410		M	U							31	18	Roll 31 Frame 19
911	AG	1	1	BT	280		U	U									
911	AG	1	1	BT	430		U	U									Already tagged
911	AG	1	1	BT	450		U	U							41	2	Tagged 10223 Photos Roll 41 Frames 2-4
911	AG	1	1	BT	425		U	U							41	5	Tagged 10224 Photos Roll 41 Frames 5-7
911	AG	2	1	RB	418		U	U							41	8	
911	AG	2	1	CO	630		U	U							41	1	
911	VO	1	1	CH	800		U	U									Lost chinook at beach
984	AG	1	1	CO	540		U	U									
984	AG	1	1	CO	650		U	U									
883	AG	1	1	BT	510		M	SP	FR	2	8						
883	AG	1	1	BT	600		F	SP	FR	1	11						
883	AG	1	1	BT	560		F	ST	FR	3	11						
883	AG	1	1	BT	510		F	M	FR	4	9						
883	AG	1	1	BT	530		M	ST	FR	5	8						
883	AG	1	1	ST	740		U	U									

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 2.0
ILP Map #
ILP #

INDIVIDUAL FISH DATA																
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic	Roll #	Frame#	Comment	
								Str/Smpl#/Age			Str/Smpl#					
883	AG	1	1	ST	690		U	U								
883	AG	2	1	BT	480		F	M	FR	450	8					
883	AG	2	1	BT	495		U	U								
883	AG	2	1	BT	574		U	U								
774	AG	2	1	RB	400		U	U								

COMMENTS	
Section	Comments
WATERBODY	Site 629 57/65cm expelled liquid when squeezed-faint trace of milt in male. 48 cm female expressed consistent eggs when squeezed. 57/65 cm fins on males and females showed signs of recent spawning activity-papillae extruding.
WATERBODY	Site 628 No fish caught. Resting/Rearing habitat. Steelhead type holding water. 600 m stream walk with no redds observed. Section of stream has potential CO/BT/ST spawning habitat with the tailout and adjacent to the point side bars. Abundant cover.

Site #629

FDIS Reach Card

Shelagyte River Planning Area

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

Reach # 2.0 ILP Map # ILP #

PROJECT									
Project Name: Shelagyte Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	2.0	NID Map #:	093M.074	NID #:	15753		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92093	Gaz.: SHELAGYTE RIVER			9.610992.6177392 GIS					
#: 57	Local:			Sample Type: R Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 14.71	Gradient: 0.6	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 604	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev: 692	Magnitude: 1393	Confinement: OC	☐	☐	☐	☐	☐	☐	☐
	BGC Zone: SBS	Coupling: PC	C1	C2	C3	C4	C5	S1	S2
			☐	☐	☐	☐	☐	☐	☐
Valley Flat: B	C/D: D	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IR		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						

MAPS		
Map Type	Map #	Year
TRIM	093M.074	1995
TRIM	093M.065	1990

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 2.0
ILP Map #
ILP #

WATERBODY									
Gazetted Name: SHELAGYOTE RIVER					Local: Shelagyote River				
Project Code: 480-000000-00000-00000-0000-0000-000-000-000-000-0									
WS Code: 480-195700-00000-00000-0000-0000-000-000-000-000-000									
Waterbody ID:					ILP Map #:		ILP #:		Reach #: 2 -
Project ID: 1550					Lake/Stream: S		Lake From Date:		
Fish Permit #: 145084K		Date: 2001/08/20		To: 2001/08/20		Agency: C172		Crew: JH/TM/JD/ Resample: ☐	

SITE / METHOD												
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment				
629	093M.065	60029	9 613994 6172469 GPU AG 2	9			C					
904	093M.065	90004	9 616191 6169530 GPU AG 2	6			L					
905	093M.065	90005	9 615355 6170675 GPU AG 1	6			L					
905	093M.065	90005	9 615355 6170675 GPU AG 2	6			L					
906	093M.074	90006	9 611719 6175544 GPU AG 1	6			L	65 cm visibility				
906	093M.074	90006	9 611719 6175544 GPU AG 2	6			L					
774	093M.065	22774	9 614307 6171705 GPU AG 1				L					
774	093M.064	22774	9 614307 6171705 GPU AG 2				L					
628	093M.065	60028	9 613840 6172687 GPU AG 1	9			C					
904	093M.065	90004	9 616191 6169530 GPU AG 1	6			L					
629	093M.065	60029	9 613994 6172469 GPU AG 1	9			C					
882	093M.074	80082	9 611716 6175535 GPU AG 1	7								
781	093M.065	22781	9 614315 6171717 GPU AG 1									
781	093M.065	22781	9 614315 6171717 GPU AG 2									
911	093M.065	90011	9 614309 6171708 GPU AG 1				L					
911	093M.065	90011	9 614309 6171708 GPU AG 2				L					
911	093M.065	90011	9 614309 6171708 GPU VO 1				L					
983	093M.074	90083	9 611716 6175563 GPU AG 1	6			C					
984	093M.065	90084	9 615350 6170658 GPU AG 1	6			C					
883	093M.065	80083	9 614362 6171686 GPU AG 1	7								
883	093M.065	80083	9 614362 6171686 GPU AG 2	7								
628	093M.065	60028	9 613840 6172687 GPU AG 2	9			C					

A. GEAR SETTINGS								
Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
628	AG	1	1	2001/09/14	14:10	2001/09/14	14:40	
628	AG	2	1	2001/09/14	14:10	2001/09/14	14:40	
629	AG	1	1	2001/09/14	15:00	2001/09/14	16:00	
629	AG	2	1	2001/09/14	15:00	2001/09/14	16:00	
774	AG	1	1	2001/09/14	13:00	2001/09/14	14:30	
774	AG	2	1	2001/09/14	13:00	2001/09/14	14:30	
781	AG	1	1	2002/09/08	13:30	2002/09/08	15:00	
781	AG	2	1	2002/09/08	13:30	2002/09/08	15:00	
882	AG	1	1	2002/09/21	12:30	2002/09/21	12:47	
883	AG	1	1	2002/09/21	13:15	2002/09/21	14:17	
883	AG	2	1	2002/09/21	16:45	2002/09/21	17:00	
904	AG	1	1	2001/08/20	11:30	2001/08/20	12:15	
904	AG	2	1	2001/08/20	11:30	2001/08/20	12:15	
905	AG	1	1	2001/08/20	12:20	2001/08/20	13:05	
905	AG	2	1	2001/08/20	12:20	2001/08/20	13:05	
906	AG	1	1	2001/08/20	13:10	2001/08/20	13:40	
906	AG	2	1	2001/08/20	13:10	2001/08/20	13:40	
911	AG	1	1	2001/08/20	10:15	2001/08/20	12:15	
911	AG	2	1	2001/08/20	10:15	2001/08/20	12:15	
911	VO	1	1	2001/08/20	10:15	2001/08/20	12:15	
983	AG	1	1	2002/09/08	12:40	2002/09/08	13:15	
984	AG	1	1	2002/09/08	13:20	2002/09/08	14:00	

FISH SUMMARY									
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment

FDIS Fish Card

Shelagote River Planning Area

Watershed Code:

480-195700-00000-00000-0000-000-000-000-000-000

Reach #

ILP Map #

ILP #

2.0

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment
628	AG	1	1	NFC		0				
628	AG	2	1	NFC		0				
629	AG	1	1	BT	A	2	570	650	S	
629	AG	2	1	BT	A	1	480	480	S	
774	AG	1	1	BT	A	1	595	595	R	
774	AG	2	1	RB	A	1	400	400	R	
781	AG	1	1	CO	A	4	450	590	R	
781	AG	2	1	BT	A	1	610	610	R	
781	AG	2	1	RB	A	1	410	410	R	
882	AG	1	1	NFC		0				
883	AG	1	1	BT	A	5	510	600	S	
883	AG	1	1	ST	A	2	690	740	R	
883	AG	2	1	BT	A	3	480	574	S	
904	AG	1	1	NFC		0				
904	AG	2	1	NFC		0				
905	AG	1	1	BT	A	1	410	410	R	
905	AG	2	1	NFC		0				
906	AG	1	1	NFC		0				
906	AG	2	1	NFC		0				
911	AG	1	1	BT	A	4	280	450	R	
911	AG	2	1	CO	A	1	630	630	R	
911	AG	2	1	RB	A	1	418	418	R	
911	VO	1	1	CH	A	1	800	800	R	
983	AG	1	1	NFC		0				
984	AG	1	1	CO	A	2	540	650	S	

INDIVIDUAL FISH DATA

Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age		Vch#	Genetic	Roll #	Frame#	Comment
								Str/Smpl#	Age		Str/Smpl#			
905	AG	1	1	BT	410		F	IM	FR	1901	5			
774	AG	1	1	BT	595		M	ST	FR	7741	8			
629	AG	1	1	BT	570		F	ST	FR	62003	8			
629	AG	1	1	BT	650		M	ST	FR	62004	11			
629	AG	2	1	BT	480		F	SP	FR	62005	8			
781	AG	1	1	CO	450		M	U						
781	AG	1	1	CO	480		M	U						
781	AG	1	1	CO	590		M	U						
781	AG	1	1	CO	550		M	U						
781	AG	2	1	BT	610		M	U						
781	AG	2	1	RB	410		M	U						
911	AG	1	1	BT	280		U	U						
911	AG	1	1	BT	430		U	U						
911	AG	1	1	BT	450		U	U						
911	AG	1	1	BT	425		U	U						
911	AG	2	1	RB	418		U	U						
911	AG	2	1	CO	630		U	U						
911	VO	1	1	CH	800		U	U						
984	AG	1	1	CO	540		U	U						
984	AG	1	1	CO	650		U	U						
883	AG	1	1	BT	510		M	SP	FR	2	8			
883	AG	1	1	BT	600		F	SP	FR	1	11			
883	AG	1	1	BT	560		F	ST	FR	3	11			
883	AG	1	1	BT	510		F	M	FR	4	9			
883	AG	1	1	BT	530		M	ST	FR	5	8			
883	AG	1	1	ST	740		U	U						

FDIS Fish Card

Shelagoyote River Planning Area

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

Reach #
2.0

ILP Map #

ILP #

INDIVIDUAL FISH DATA																		
Site#	MTD/NO		H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment	
									Str/Smpl#/Age				Str/Smpl#					
883	AG	1	1	ST	690		U	U										
883	AG	2	1	BT	480		F	M	FR	450	8							
883	AG	2	1	BT	495		U	U										
883	AG	2	1	BT	574		U	U										
774	AG	2	1	RB	400		U	U										

COMMENTS	
Section	Comments
WATERBODY	Site 629 57/65cm expelled liquid when squeezed-faint trace of milt in male. 48 cm female expressed consistent eggs when squeezed. 57/65 cm fins on males and females showed signs of recent spawning activity-papillae extruding.
WATERBODY	Site 628 No fish caught. Resting/Rearing habitat. Steelhead type holding water. 600 m stream walk with no redds observed. Section of stream has potential CO/BT/ST spawning habitat with the tailout and adjacent to the point side bars. Abundant cover.



Site #629, Bull trout.
Roll #62, Frame #11, Date: 2001/09/14



Site #629, Bull trout.
Roll #62, Frame #13, Date: 2001/09/14

Site #630

FDIS Reach Card

Shelagyote River Planning Area

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

Reach # 1.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	1.0	NID Map #:	093M.065	NID #:	19113		
Air Photos	Names			UTM(Zone/East/North/Method)					
LINE: 30BCB92090	Gaz.: SHELAGYOTE RIVER			9.616596.6169199 GIS					
#: 215	Local:			Sample Type: B Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 6.11	Gradient: 1	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 543	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev: 604	Magnitude: 1427	Confinement: FC	C1	C2	C3	C4	C5	S1	S2
BGC Zone: SBS	Coupling: PC							S3	S4
Valley Flat: B	C/D: D	Islands: N							S5
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IM		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						
MAPS									
Map Type	Map #	Year							
TRIM	093M.065	1990							

FDIS Fish Card

Shelagoyote River Planning Area

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

Reach # 1.0
ILP Map #
ILP #

WATERBODY									
Gazetted Name: SHELAGYOTE RIVER					Local: Shelagoyote River				
Project Code: 480-000000-00000-00000-0000-000-000-000-000-000-0									
WS Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
Waterbody ID:			ILP Map #:		ILP #:		Reach #: 1 -		
Project ID: 1550			Lake/Stream: S			Lake From Date:			
Fish Permit #: 145084K		Date: 2001/08/20		To: 2001/08/20		Agency: C172		Crew: JH/TM/JD/ Resample: ☐	

SITE / METHOD									
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd		MTD/NO	Temp	Cond	Turbid	Comment
782	093M.065	22782			GPU VO 1				Lost fish at beach
902	093M.065	90002			GPU AG 1	6		L	
903	093M.065	90003	9	617089	6167848 GPU AG 1	6		L	
903	093M.065	90003	9	617089	6167848 GPU AG 2	6		L	
775	093M.065	22775	9	618289	6166820 GPU AG 1			L	
775	093M.065	22775	9	618289	6166820 GPU AG 2			L	
630	093M.065	60030	9	618500	6165600 GPU AG 1	9		L	
630	093M.065	60030	9	618500	6165600 GPU AG 2	9		L	
901	093M.065	90001			GPU AG 1	6		L	
782	093M.065	22782	9	617471	6167585 GPU AG 2				
923	093M.065	90023	9	618585	6165291 GPU AG 1	6		L	
909	093M.065	90009	9	618694	6166475 GPU AG 1			L	
909	093M.065	90009	9	618694	6166475 GPU AG 2			L	
910	093M.065	90010	9	617471	6167505 GPU AG 1			L	
910	093M.065	90010	9	617471	6167505 GPU AG 2			L	
985	093M.065	90085	9	618078	6166823 GPU AG 1	6		C	
884	093M.065	80084	9	617548	6167624 GPU AG 1	7			
885	093M.065	80085	9	618097	6166830 GPU AG 1	7			
782	093M.065	22782	9	617471	6167585 GPU AG 1				

A. GEAR SETTINGS							
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
630	AG 1	1	2001/09/14	16:15	2001/09/14	17:00	
630	AG 2	1	2001/09/14	16:15	2001/09/14	17:00	
775	AG 1	1	2001/09/14	15:00	2001/09/14	15:50	
775	AG 2	1	2001/09/14	15:00	2001/09/14	15:50	
782	AG 1	1	2002/09/08	15:10	2002/09/08	16:10	
782	AG 2	1	2002/09/08	15:10	2002/09/08	16:10	
782	VO 1	1	2002/09/08	15:10	2002/09/08	16:10	
884	AG 1	1	2002/09/21	14:34	2002/09/21	15:15	
885	AG 1	1	2002/09/21	15:38	2002/09/21	16:37	
901	AG 1	1	2001/08/20	10:15	2001/08/20	10:50	
902	AG 1	1	2001/08/20	10:15	2001/08/20	10:50	
903	AG 1	1	2001/08/20	11:00	2001/08/20	11:20	
903	AG 2	1	2001/08/20	11:00	2001/08/20	11:20	
909	AG 1	1	2001/08/20	09:00	2001/08/20	09:20	
909	AG 2	1	2001/08/20	09:00	2001/08/20	09:20	
910	AG 1	1	2001/08/20	09:30	2001/08/20	10:05	
910	AG 2	1	2001/08/20	09:30	2001/08/20	10:05	
923	AG 1	1	2001/08/20	16:00	2001/08/20	16:20	
985	AG 1	1	2002/09/08	14:10	2002/09/08	15:00	

FISH SUMMARY									
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
630	AG 1	1	NFC			0			
630	AG 2	1	BT	A		1	530 530	R	
775	AG 1	1	CO	A		2	640 660	R	
775	AG 2	1	NFC			0			
782	AG 1	1	NFC			0			
782	AG 2	1	BT	A		1	630 630	R	

FDIS Fish Card

Shelagyote River Planning Area

Watershed Code:

480-195700-00000-00000-0000-000-000-000-000-000-000

Reach #

ILP Map #

ILP #

1.0

FISH SUMMARY											
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment	
782	VO	1	1	ST	A	1	780	780	R		
884	AG	1	1	CO	A	1	550	550	S		
885	AG	1	1	NFC		0					
901	AG	1	1	CO	A	4+	530	530	R		
902	AG	1	1	NFC		0					
903	AG	1	1	NFC		0					
903	AG	2	1	NFC		0					
909	AG	1	1	NFC		0					
909	AG	2	1	NFC		0					
910	AG	1	1	NFC		0					
910	AG	2	1	NFC		0					
923	AG	1	1	BT	A	2	470	503	R		
985	AG	1	1	BT	A	2	490	520	S		

INDIVIDUAL FISH DATA															
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age		Vch#	Genetic		Roll #	Frame#	Comment
								Str/Smpl#	Age		Str/Smpl#				
901	AG	1	1	CO	530		U	U							
775	AG	1	1	CO	660		M	M							
775	AG	1	1	CO	640		F	M							
630	AG	2	1	BT	530		F	ST	FR	62006	11		62	14	
782	AG	2	1	BT	630		U	U	FR	1782	11		31	20	Roll 31 Frames 21,22
782	VO	1	1	ST	780		U	U							Lost at beach
985	AG	1	1	BT	490		F	M	FR	20	8				
985	AG	1	1	BT	520		U	U							
884	AG	1	1	CO	550		U	U							
923	AG	1	1	BT	470		F	MT	FR	71001	5				
923	AG	1	1	BT	485		M	MT	FR	71002	6				
923	AG	1	1	BT	530		M	MT	FR	71003	8				

COMMENTS	
Section	Comments
WATERBODY	BT captured was spent. Snake like morphology with evidence of recent spawning activity-protruding papillae, marked tail, liquid expelled when squeezed.



Site #630, Bull trout.
Roll #62, Frame #14, Date: 2001/09/14

Site #678

FDIS Reach Card

Shelagyote River Planning Area

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

Reach # 4.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	4.0	NID Map #:	093M.074	NID #:	15437		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92119		Gaz.: SHELAGYOTE RIVER		9.607478.6184546 GIS					
#: 135		Local:		Sample Type: B Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 7.38	Gradient: 0.58	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 720	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev: 763	Magnitude: 1151	Confinement: OC	☐	☐	☐	☐	☐	☐	☐
	BGC Zone: ESSF	Coupling: DC	C1	C2	C3	C4	C5	S1	S2
			☐	☐	☐	☐	☐	☐	☐
Valley Flat: B	C/D: C	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IR		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						
MAPS									
Map Type	Map #	Year							
TRIM	093M.074	1995							

Shelagyote River Planning Area

Reach #	ILP Map #	ILP #
4.0		

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagvot River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #:

4 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/09/14

To: 2001/09/14

Agency: C172

Crew: JH/RT

Resample: ☐

Site#	NID Map	NID #	UTM:Zone/East/North/Mhd				MTD/NO		Temp	Cond	Turbid	Comment
881	093M.074	80081	9	607713	6183691	GPU	AG	1	7			
982	093M.074	90082	9	607549	6184502	GPU	AG	1	6		C	
912	093M.074	90012	9	607725	6183683	GPU	AG	2			L	
912	093M.074	90012	9	607725	6183683	GPU	AG	1			L	
780	093M.074	22780	9	607692	6183387	GPU	AG	2				
780	093M.074	22780	9	607692	6183387	GPU	AG	1				
779	093M.074	22779	9	607642	6183390	GPU	AG	2				
779	093M.074	22779	9	607642	6183390	GPU	AG	1				
678	093M.074	22678	9	607730	6183688	GPU	AG	2				
678	093M.074	22678	9	607730	6183688	GPU	AG	1				
627	093M.074	60027	9	607729	6183691	GPU	AG	2	9		C	
627	093M.074	60027	9	607729	6183691	GPU	AG	1	9		C	
626	093M.074	60026	9	607549	6184502	GPU	AG	2	9		C	
626	093M.074	60026	9	607549	6184502	GPU	AG	1	9		C	

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
626	AG 1	1	2001/09/14	13:00	2001/09/14	13:30	
626	AG 2	1	2001/09/14	13:00	2001/09/14	13:30	
627	AG 1	1	2001/09/14	13:50	2001/09/14	14:10	
627	AG 2	1	2001/09/14	13:50	2001/09/14	14:10	
678	AG 1	1	2002/09/08	12:15	2002/09/08	12:30	
678	AG 2	1	2002/09/08	12:15	2002/09/08	12:30	
779	AG 1	1	2002/09/08	12:35	2002/09/08	12:45	
779	AG 2	1	2002/09/08	12:35	2002/09/08	12:45	
780	AG 1	1	2002/09/08	12:50	2002/09/08	13:10	
780	AG 2	1	2002/09/08	12:50	2002/09/08	13:10	
881	AG 1	1	2002/09/21	12:00	2002/09/21	12:17	
912	AG 1	1	2001/08/20	12:30	2001/08/20	12:50	
912	AG 2	1	2001/08/20	12:30	2001/08/20	12:50	
982	AG 1	1	2002/09/08	12:05	2002/09/08	12:35	

Site#	MTD/NO		H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment
626	AG	1	1	BT	A		1	520	520	S	
626	AG	2	1	BT	A		1	560	560	S	
627	AG	1	1	NFC			0				
627	AG	2	1	NFC			0				
678	AG	1	1	NFC			0				
678	AG	2	1	NFC			0				
779	AG	1	1	NFC			0				
779	AG	2	1	BT	A		1	290	290	R	
780	AG	1	1	NFC			0				
780	AG	2	1	NFC			0				
881	AG	1	1	NFC			0				
912	AG	1	1	NFC			0				
912	AG	2	1	NFC			0				
982	AG	1	1	NFC			0				

Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age	Vch#	Genetic	Roll #	Frame#	Comment
								Str/Smpl#/Age		Str/Smpl#			

Shelagyote River Planning Area

480-195700-00000-00000-0000-0000-000-000-000-000-000-000

ILP #

4.0

									Str/Smpl#/Age					Str/Smpl#					
626	AG	1	1	BT	520		F	SP	FR	62001	7					62	9		
626	AG	2	1	BT	560		F	SP	FR	62002	7					62	10		
779	AG	2	1	BT	290		M	U	FR	1779	5					31	12		
COMMENTS																			
Section				Comments															
WATERBODY				Site 627 No fish caught. Toilet bowl. Potential staging. Deep tank approx. 3 m deep															
WATERBODY				Site 626 Both fish were still quite firm and obviously not spawned out.															
WATERBODY				Site 626 BT have been captured at this location on three separate occasions. No redds observed. Fish expressed eggs when squeezed or handled slightly. Tail was slightly marked and patillae was not protruding.															

Shelagyote River Planning Area

Reach #	ILP Map #	ILP #
1.0		

Gazetted Name: BARGER CREEK	Local Name:
Watershed Code: 480-195700-69300-00000-0000-0000-000-000-000-000-000	ILP Map #: ILP #:

Reach #: 1.0	UTM(Zone/East/North): 9.608068.6195705		Sample Type: Random
Length (km): 2.40	Coupling: Decoupled	Magnitude: 216	BGC Zone: SBS
Gradient (%): 1.5	Confinement: Unconfined	Order: 4	Open water: Absent
US Elev (m): 881	Islands: NONE	Riparian Vegetation: Deciduous	
Bars: None ☒ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: None/natural			

Site #: 771	Field UTM 9.608021.6195039	Agency: C172	Crew: JD/DF	Date: 2001/09/14
Site Length (m): 1400	GIS UTM 9.607986.6194811	Agency Name: Triton Environmental Consultants (Terrace)		

[illegible][illegible]

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

FDIS Site Card

Shelagyote River Planning Area

Watershed Code: 480-195700-69300-00000-00000-00000-00000-00000-00000

Reach # 1.0 ILP Map # ILP # Site 771

PROJECT

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

WATERSHED

Gazetted Name: BARGER CREEK
Local Name: Barger Creek
Watershed Code: 480-195700-69300-00000-00000-00000-00000-00000-00000-00000
ILP Map#: ILP #: NID Map #: 093M.084 NID #: 22771 Reach #: 1.0 Site #: 771
Field UTM (Z.E.N.): 9.608021.6195039 Method: GPU Site Lg: 1400 Method: MAP Access: H
GIS UTM (Z.E.N.): 9.607986.6194811 Ref. Name:
Date: 2001/09/14 Time: 08:17 Agency: C172 Crew: JD/DF Fish Crd?: ☐ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg		Gadient %	Mtd	Avg
Channel Width (m):	GE	17.00	16.00	24.00	22.00	21.00	18.00					19.67	Method I:	2.0	3.0	C 2.75
Wetted Width (m):	GE	5.00	6.00	5.00	6.00	8.00	7.00					6.17	Method II:	4.0	2.0	C
Pool Depth (m):	GE	1.20	1.00	1.50	1.20	1.30	1.00					1.20				

Wb Depth: .8 .9 .8 Avg: 0.83 Method: MS Stage: L ☐ M ☒ H ☐

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

COVER Total: A

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

CROWN CLOSURE

1 1-20%

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:
Temp: 5
pH: 8.1
Flood Signs: LWD on bars
Method: T4
Method: P2
Method: GE
Req #: Cond.: 50
Turb.: T ☐ M ☐ L ☐ C ☒
Method: S3
Method: GE

MORPHOLOGY

Bed Material: Dominant: C Subdom: G
D95: 50.0 D (cm): 25.00 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
OverWinter Habitat	Present in larger pools
Spawning Habitat	Moderate-gravels are present. Cemented in areas. Slightly on the large side
Rearing Habitat	Moderate-LWD, deep pools, high complexity, cover is abundant. Meanders where the stream spreads out

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 31 F: 1	STD	U	Upstream photo showing riffle pool habitat
R: 31 F: 2	STD	D	Downstream photo of an LWD complex

FDIS Site Card

Shelagyote River Planning Area

Watershed Code: 480-195700-69300-00000-00000-000-000-000-000-000-000

Reach #

ILP Map #

ILP #

Site

1.0

771

COMMENTS	
Section	Comments
CHANNEL	Walked down to confluence
CHANNEL	S1 Stream



Site #771, Upstream photo showing riffle pool habitat.
Roll #31, Frame #1, Date: 2001/09/14



Site #771, Downstream photo of an LWD complex.
Roll #31, Frame #2, Date: 2001/09/14

FDIS Reach Card

Shelagyote River Planning Area

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

Reach # 5.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	5.0	NID Map #:	093M.094	NID #:	11057		
Air Photos	Names			UTM(Zone/East/North/Method)					
LINE: 30BCB92073	Gaz.: SHELAGYOTE RIVER			9.605771.6198037 GIS					
#: 131	Local:			Sample Type: B Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 5.20	Gradient: 2.23	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 763	Order: 5	Open water: P	O1	B1	B2	B3	D1	D2	D3
US Elev: 879	Magnitude: 989	Confinement: OC	C1	C2	C3	C4	C5	S1	S2
BGC Zone: SBS	Coupling: PC							S3	S4
Valley Flat: B	C/D: D	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IR		Mass Movement: M	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						
MAPS									
Map Type	Map #	Year							
TRIM	093M.084	1995							
TRIM	093M.094	1995							

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 5.0
ILP Map #
ILP #

WATERBODY													
Gazetted Name: SHELAGYOTE RIVER										Local: Shelagyote River			
Project Code: 480-000000-00000-00000-0000-000-000-000-000-0													
WS Code: 480-195700-00000-00000-0000-000-000-000-000-000													
Waterbody ID:				ILP Map #:				ILP #:		Reach #:		5 -	
Project ID: 1550				Lake/Stream: S				Lake From Date:					
Fish Permit #:		145084K		Date: 2001/08/14		To: 2001/08/14		Agency: C172		Crew: JD/DF		Resample: ☐	
SITE / METHOD													
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment	
913	093M.084	90013	9	607355	6193736	GPU	AG	2			L		
913	093M.084	90013	9	607355	6193736	GPU	AG	1			L		
772	093M.084	22772	9	607355	6193736	GPU	AG	2			C		
772	093M.084	22772	9	607355	6193736	GPU	AG	1			C	Over 1 m of visibility	
A. GEAR SETTINGS													
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment						
772	AG 1	1	2001/08/14	10:00	2001/08/14	10:30							
772	AG 2	1	2001/08/14	10:00	2001/08/14	10:30							
913	AG 1	1	2001/08/20	13:00	2001/08/20	13:50							
913	AG 2	1	2001/08/20	13:00	2001/08/20	13:50							
FISH SUMMARY													
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment				
772	AG	1	1	NFC		0							
772	AG	2	1	NFC		0							
913	AG	1	1	NFC		0							
913	AG	2	1	NFC		0							
COMMENTS													
Section			Comments										
WATERBODY			Angled using roe as bait-conditions were good no fish caught										

FDIS Reach/Site Summary

Shelagyote River Planning Area

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

Reach # ILP Map # ILP #

1.0

STREAM REFERENCING																																			
Gazetted Name: CAYUSE JACK CREEK										Local Name:																									
Watershed Code: 480-195700-36100-00000-0000-0000-000-000-000-000-000										ILP Map #:			ILP #:																						
REACH																																			
Reach #: 1.0		UTM(Zone/East/North): 9.608868.6180134								Sample Type: Biased																									
Length (km): 1.14		Coupling: Partially Couple				Magnitude: 74				BGC Zone: SBS																									
Gradient (%): 4.6		Confinement: Occasionally Conf				Order: 4				Open water: Absent																									
US Elev (m): 772		Islands: NONE				Riparian Vegetation: Deciduous																													
Bars: None ☒ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: None/natural																																			
SITE																																			
Site #: 773			Field UTM 9.608822.6180135			Agency: C172			Crew: JD/DF			Date: 2001/09/14																							
Site Length (m): 1400			GIS UTM 9.609029.6180145			Agency Name: Triton Environmental Consultants (Terrace)																													
CHANNEL																																			
No Vis.Ch.: ☐		Intermittent: ☐				Avg		Min		Max		#																							
Dewatered: ☐		Tribes.: ☐				Channel Width (m):		8.33		7		10		6																					
Stage: Low ☐						Wetted Width (m):		4.75		4		5.5		6																					
Med ☒						Bankfull Depth (m):		0.87		0.8		1		3																					
High ☐						Temp (C): 5		pH: 7.9		Conductivity: 50		Turbidity: Turbid ☐		Low ☐																					
												Moderate ☐		Clear ☒																					
MORPHOLOGY																																			
Bed Material: Dominant: Boulders			D95 (cm): 80.00			Bars: Non ☒			Side ☐			Diagonal ☐			Mid-channel ☐			Span ☐																	
Subdominant: Cobble			D (cm): 40.00												Braid ☐																				
Channel Pattern: Sinuous			Islands: Occasional			DISTURBANCE			O1			B1			B2			B3			D1			D2			D3								
Coupling: Decoupled						INDICATORS			☐			☒			☐			☐			☐			☒			☒								
Confinement: Occasionally Confine						C1			C2			C3			C4			C5			S1			S2			S3			S4			S5		
Morphology: CP Cascade Pool						☐			☐			☐			☒			☐			☐			☐			☐			☐					
COVER																																			
Total Cover: Abundant			Type:			SWD			LWD			B			U			DP			OV			IV											
LWD: Abundant			Amount:			T			S			D			N			S			T			N											
LWD Dist: Clumped			Location: P/S/O:			☒			☐			☐			☒			☐			☐			☐			☐			FSZ: ☐					
Right Bank: Shape: V - shape			Texture: Fines ☐			Gravel ☒			Cobble ☒			Boulder ☐			Rock ☐			Manmade ☐						Crown Closure			1-20%								
Left Bank: Shape: V - shape			Texture: Fines ☐			Gravel ☒			Cobble ☒			Boulder ☐			Rock ☐			Manmade ☐																	
Right Bank: Rip.Veg: Mixed C/D			Stage: Mature forest																																
Left Bank: Rip.Veg:			Stage: Mature forest																																
			Instream Veg: None ☒			Algae ☐			Moss ☐			Vascular ☐																							

FDIS Site Card

Shelagyote River Planning Area

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

Reach # 1.0 ILP Map # ILP # 1550 Site # 773

PROJECT

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

WATERSHED

Gazetted Name: CAYUSE JACK CREEK
Local Name: Cayuse Jack Creek
Watershed Code: 480-195700-36100-00000-00000-00000-00000-00000-00000-000
ILP Map#: ILP #: NID Map #: 093M.074 NID #: 22773 Reach #: 1.0 Site #: 773
Field UTM (Z.E.N): 9.608822.6180135 Method: GPU Site Lg: 1400 Method: MAP Access: H
GIS UTM (Z.E.N): 9.609029.6180145 Ref. Name:
Date: 2001/09/14 Time: 11:00 Agency: C172 Crew: JD/DF Fish Crd?: ☐ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg		Gadient %		Mtd	Avg
Channel Width (m):	GE	8.00	8.50	10.00	7.50	7.00	9.00					8.33	Method I:	8.0	6.0	C	6.75
Wetted Width (m):	GE	5.00	4.50	4.00	4.50	5.00	5.50					4.75	Method II:	6.0	7.0	C	
Pool Depth (m):	MS	1.10	1.20	1.00	1.00	0.70	1.50					1.08					

Wb Depth: .8 1.0 .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:	T	S	D	N	S	T	N
Loc: P/S/O:	☒	☒	☒	☐	☒	☒	☐

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

LWD: A DIST: C

LB SHP: V

Texture: F ☐ G ☒ C ☒ B ☐ R ☐ A ☐

RIP: M

STG: MF

RB SHP: V

Texture: F ☐ G ☒ C ☒ B ☐ R ☐ A ☐

RIP: M

STG: MF

WATER

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

MORPHOLOGY

Bed Material: Dominant: B Subdom: C O1 B1 B2 B3 D1 D2 D3
D95: 80.0 D (cm): 40.00 Morph: CP DISTURBANCE INDICATORS ☐ ☒ ☐ ☐ ☐ ☒ ☒
Pattern: SI C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
Islands: O ☐ ☐ ☐ ☒ ☐ ☐ ☐ ☐ ☐ ☐
Coupling: DC Bars: N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR ☐
Confinement: OC
FSZ: ☐

HABITAT QUALITY

Name	Comments
OverWinter Habitat	Present in plunge pools
Rearing Habitat	Low-lack of suitable holding water, disturbed channel, high flows, high velocity
Spawning Habitat	Low-substrates too large, high energy system which is subject to disturbance, mostly white water

COMMENTS

Section	Comments
CHANNEL	Gradient and numerous obstructions (LWD jams) make juvenile upstream migration difficult
CHANNEL	Very disturbed abandoned channel, LWD jams, new channel forming at 09 609000 6180143

FDIS Site Card

Shelagyote River Planning Area

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

Reach #

ILP Map #

ILP #

Site

1.0

773

COMMENTS	
Section	Comments
CHANNEL	No photos-battery dead

Site #774

FDIS Reach Card

Shelagyte River Planning Area

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

Reach # 2.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagyte Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:		ILP #:		Reach #:		2.0		NID Map #: 093M.074	
Air Photos		Names				UTM(Zone/East/North/Method)		NID #: 15753	
LINE: 30BCB92093		Gaz.: SHELAGYTE RIVER				9.610992.6177392		GIS	
#: 57		Local:				Sample Type: R		Wetland: ☐	
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 14.71		Gradient: 0.6		Setting: VF		DISTURBANCE INDICATORS			
DS Elev.: 604		Order: 6		Open water: A		☐ O1 ☐ B1 ☐ B2 ☐ B3 ☐ D1 ☐ D2 ☐ D3			
US Elev.: 692		Magnitude: 1393		Confinement: OC		☐ C1 ☐ C2 ☐ C3 ☐ C4 ☐ C5 ☐ S1 ☐ S2 ☐ S3 ☐ S4 ☐ S5			
		BGC Zone: SBS		Coupling: PC		☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐			
Valley Flat: B		C/D: D		Islands: N					
Active Floodplain Visible: ☐		Est. Width:		Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR					
Channel Pattern: IR				Mass Movement: L		Exposed/Eroded: NS			
				Riparian Veg.: D		Landuse: NO			

MAPS		
Map Type	Map #	Year
TRIM	093M.074	1995
TRIM	093M.065	1990

FDIS Fish Card

Shelagyte River Planning Area

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

Reach # 2.0
ILP Map #
ILP #

WATERBODY									
Gazetted Name: SHELAGYTE RIVER					Local: Shelagyte River				
Project Code: 480-000000-00000-00000-0000-000-000-000-000-0									
WS Code: 480-195700-00000-00000-0000-000-000-000-000-000									
Waterbody ID:			ILP Map #:		ILP #:		Reach #: 2 -		
Project ID: 1550			Lake/Stream: S			Lake From Date:			
Fish Permit #: 145084K		Date: 2001/08/20		To: 2001/08/20		Agency: C172		Crew: JH/TM/JD/	Resample: ☐

SITE / METHOD									
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd		MTD/NO	Temp	Cond	Turbid	Comment
629	093M.065	60029	9	613994	6172469	GPU AG 2	9		C
904	093M.065	90004	9	616191	6169530	GPU AG 2	6		L
905	093M.065	90005	9	615355	6170675	GPU AG 1	6		L
905	093M.065	90005	9	615355	6170675	GPU AG 2	6		L
906	093M.074	90006	9	611719	6175544	GPU AG 1	6		L
906	093M.074	90006	9	611719	6175544	GPU AG 2	6		L
774	093M.065	22774	9	614307	6171705	GPU AG 1			L
774	093M.064	22774	9	614307	6171705	GPU AG 2			L
628	093M.065	60028	9	613840	6172687	GPU AG 1	9		C
904	093M.065	90004	9	616191	6169530	GPU AG 1	6		L
629	093M.065	60029	9	613994	6172469	GPU AG 1	9		C
882	093M.074	80082	9	611716	6175535	GPU AG 1	7		
781	093M.065	22781	9	614315	6171717	GPU AG 1			
781	093M.065	22781	9	614315	6171717	GPU AG 2			
911	093M.065	90011	9	614309	6171708	GPU AG 1			L
911	093M.065	90011	9	614309	6171708	GPU AG 2			L
911	093M.065	90011	9	614309	6171708	GPU VO 1			L
983	093M.074	90083	9	611716	6175563	GPU AG 1	6		C
984	093M.065	90084	9	615350	6170658	GPU AG 1	6		C
883	093M.065	80083	9	614362	6171686	GPU AG 1	7		
883	093M.065	80083	9	614362	6171686	GPU AG 2	7		
628	093M.065	60028	9	613840	6172687	GPU AG 2	9		C

A. GEAR SETTINGS							
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
628	AG 1	1	2001/09/14	14:10	2001/09/14	14:40	
628	AG 2	1	2001/09/14	14:10	2001/09/14	14:40	
629	AG 1	1	2001/09/14	15:00	2001/09/14	16:00	
629	AG 2	1	2001/09/14	15:00	2001/09/14	16:00	
774	AG 1	1	2001/09/14	13:00	2001/09/14	14:30	
774	AG 2	1	2001/09/14	13:00	2001/09/14	14:30	
781	AG 1	1	2002/09/08	13:30	2002/09/08	15:00	
781	AG 2	1	2002/09/08	13:30	2002/09/08	15:00	
882	AG 1	1	2002/09/21	12:30	2002/09/21	12:47	
883	AG 1	1	2002/09/21	13:15	2002/09/21	14:17	
883	AG 2	1	2002/09/21	16:45	2002/09/21	17:00	
904	AG 1	1	2001/08/20	11:30	2001/08/20	12:15	
904	AG 2	1	2001/08/20	11:30	2001/08/20	12:15	
905	AG 1	1	2001/08/20	12:20	2001/08/20	13:05	
905	AG 2	1	2001/08/20	12:20	2001/08/20	13:05	
906	AG 1	1	2001/08/20	13:10	2001/08/20	13:40	
906	AG 2	1	2001/08/20	13:10	2001/08/20	13:40	
911	AG 1	1	2001/08/20	10:15	2001/08/20	12:15	
911	AG 2	1	2001/08/20	10:15	2001/08/20	12:15	
911	VO 1	1	2001/08/20	10:15	2001/08/20	12:15	
983	AG 1	1	2002/09/08	12:40	2002/09/08	13:15	
984	AG 1	1	2002/09/08	13:20	2002/09/08	14:00	

FISH SUMMARY									
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment

FDIS Fish Card

Shelagoyote River Planning Area

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

Reach # 2.0
ILP Map #
ILP #

FISH SUMMARY										
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment
628	AG	1	1	NFC		0				
628	AG	2	1	NFC		0				
629	AG	1	1	BT	A	2	570	650	S	
629	AG	2	1	BT	A	1	480	480	S	
774	AG	1	1	BT	A	1	595	595	R	
774	AG	2	1	RB	A	1	400	400	R	
781	AG	1	1	CO	A	4	450	590	R	
781	AG	2	1	BT	A	1	610	610	R	
781	AG	2	1	RB	A	1	410	410	R	
882	AG	1	1	NFC		0				
883	AG	1	1	BT	A	5	510	600	S	
883	AG	1	1	ST	A	2	690	740	R	
883	AG	2	1	BT	A	3	480	574	S	
904	AG	1	1	NFC		0				
904	AG	2	1	NFC		0				
905	AG	1	1	BT	A	1	410	410	R	
905	AG	2	1	NFC		0				
906	AG	1	1	NFC		0				
906	AG	2	1	NFC		0				
911	AG	1	1	BT	A	4	280	450	R	
911	AG	2	1	CO	A	1	630	630	R	
911	AG	2	1	RB	A	1	418	418	R	
911	VO	1	1	CH	A	1	800	800	R	
983	AG	1	1	NFC		0				
984	AG	1	1	CO	A	2	540	650	S	

INDIVIDUAL FISH DATA																	
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment	
								Str/Smpl#	Age			Str/Smpl#					
905	AG	1	1	BT	410		F	IM	FR	1901	5				91	1	Roll 91 Frames 2, 3, 4 are of the same fish
774	AG	1	1	BT	595		M	ST	FR	7741	8				31	3	
629	AG	1	1	BT	570		F	ST	FR	62003	8				62	11	Roll 31 Frame 4. Tagged 10225
629	AG	1	1	BT	650		M	ST	FR	62004	11				62	12	
629	AG	2	1	BT	480		F	SP	FR	62005	8				62	13	
781	AG	1	1	CO	450		M	U									
781	AG	1	1	CO	480		M	U							31	15	
781	AG	1	1	CO	590		M	U							31	16	
781	AG	1	1	CO	550		M	U									
781	AG	2	1	BT	610		M	U							31	17	Not ready to spawn. Tagged 10225
781	AG	2	1	RB	410		M	U							31	18	
911	AG	1	1	BT	280		U	U									Roll 31 Frame 19
911	AG	1	1	BT	430		U	U									
911	AG	1	1	BT	450		U	U									Already tagged
911	AG	1	1	BT	425		U	U							41	2	Tagged 10223 Photos Roll 41 Frames 2-4
911	AG	1	1	BT	425		U	U							41	5	Tagged 10224 Photos Roll 41 Frames 5-7
911	AG	2	1	RB	418		U	U							41	8	
911	AG	2	1	CO	630		U	U							41	1	
911	VO	1	1	CH	800		U	U									Lost chinook at beach
984	AG	1	1	CO	540		U	U									
984	AG	1	1	CO	650		U	U									
883	AG	1	1	BT	510		M	SP	FR	2	8						
883	AG	1	1	BT	600		F	SP	FR	1	11						
883	AG	1	1	BT	560		F	ST	FR	3	11						
883	AG	1	1	BT	510		F	M	FR	4	9						
883	AG	1	1	BT	530		M	ST	FR	5	8						
883	AG	1	1	ST	740		U	U									

FDIS Fish Card

Shelagyote River Planning Area

Watershed Code:

480-195700-00000-00000-0000-000-000-000-000-000-000

Reach #

ILP Map #

ILP #

2.0

INDIVIDUAL FISH DATA																		
Site#	MTD/NO		H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment	
									Str/Smpl#/Age				Str/Smpl#					
883	AG	1	1	ST	690		U	U										
883	AG	2	1	BT	480		F	M	FR	450	8							
883	AG	2	1	BT	495		U	U										
883	AG	2	1	BT	574		U	U										
774	AG	2	1	RB	400		U	U										

COMMENTS	
Section	Comments
WATERBODY	Site 629 57/65cm expelled liquid when squeezed-faint trace of milt in male. 48 cm female expressed consistent eggs when squeezed. 57/65 cm fins on males and females showed signs of recent spawning activity-papillae extruding.
WATERBODY	Site 628 No fish caught. Resting/Rearing habitat. Steelhead type holding water. 600 m stream walk with no redds observed. Section of stream has potential CO/BT/ST spawning habitat with the tailout and adjacent to the point side bars. Abundant cover.



Site #774, Bull trout, male, tagged #10225.
Roll #31, Frame #03, Date: 2001/09/14



Site #774, Bull trout, male, tagged # 10225.
Roll #31, Frame #04, Date: 2001/09/14

Site #775

FDIS Reach Card

Shelagyote River Planning Area

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

Reach # 1.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	1.0	NID Map #:	093M.065	NID #:	19113		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92090		Gaz.: SHELAGYOTE RIVER		9.616596.6169199 GIS					
#: 215		Local:		Sample Type: B Welland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 6.11	Gradient: 1	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 543	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev.: 604	Magnitude: 1427	Confinement: FC	C1	C2	C3	C4	C5	S1	S2
	BGC Zone: SBS	Coupling: PC						S3	S4
Valley Flat: B	C/D: D	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IM		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						

MAPS		
Map Type	Map #	Year
TRIM	093M.065	1990

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # ILP Map # ILP #
1.0

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 1 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/08/20

To: 2001/08/20

Agency: C172

Crew: JH/TM/JD/

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
782	093M.065	22782		GPU VO 1				Lost fish at beach
902	093M.065	90002		GPU AG 1	6		L	
903	093M.065	90003	9 617089 6167848	GPU AG 1	6		L	
903	093M.065	90003	9 617089 6167848	GPU AG 2	6		L	
775	093M.065	22775	9 618289 6166820	GPU AG 1			L	
775	093M.065	22775	9 618289 6166820	GPU AG 2			L	
630	093M.065	60030	9 618500 6165600	GPU AG 1	9		L	
630	093M.065	60030	9 618500 6165600	GPU AG 2	9		L	
901	093M.065	90001		GPU AG 1	6		L	
782	093M.065	22782	9 617471 6167585	GPU AG 2				
923	093M.065	90023	9 618585 6165291	GPU AG 1	6		L	
909	093M.065	90009	9 618694 6166475	GPU AG 1			L	
909	093M.065	90009	9 618694 6166475	GPU AG 2			L	
910	093M.065	90010	9 617471 6167505	GPU AG 1			L	
910	093M.065	90010	9 617471 6167505	GPU AG 2			L	
985	093M.065	90085	9 618078 6166823	GPU AG 1	6		C	
884	093M.065	80084	9 617548 6167624	GPU AG 1	7			
885	093M.065	80085	9 618097 6166830	GPU AG 1	7			
782	093M.065	22782	9 617471 6167585	GPU AG 1				

A GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
630	AG 1	1	2001/09/14	16:15	2001/09/14	17:00	
630	AG 2	1	2001/09/14	16:15	2001/09/14	17:00	
775	AG 1	1	2001/09/14	15:00	2001/09/14	15:50	
775	AG 2	1	2001/09/14	15:00	2001/09/14	15:50	
782	AG 1	1	2002/09/08	15:10	2002/09/08	16:10	
782	AG 2	1	2002/09/08	15:10	2002/09/08	16:10	
782	VO 1	1	2002/09/08	15:10	2002/09/08	16:10	
884	AG 1	1	2002/09/21	14:34	2002/09/21	15:15	
885	AG 1	1	2002/09/21	15:38	2002/09/21	16:37	
901	AG 1	1	2001/08/20	10:15	2001/08/20	10:50	
902	AG 1	1	2001/08/20	10:15	2001/08/20	10:50	
903	AG 1	1	2001/08/20	11:00	2001/08/20	11:20	
903	AG 2	1	2001/08/20	11:00	2001/08/20	11:20	
909	AG 1	1	2001/08/20	09:00	2001/08/20	09:20	
909	AG 2	1	2001/08/20	09:00	2001/08/20	09:20	
910	AG 1	1	2001/08/20	09:30	2001/08/20	10:05	
910	AG 2	1	2001/08/20	09:30	2001/08/20	10:05	
923	AG 1	1	2001/08/20	16:00	2001/08/20	16:20	
985	AG 1	1	2002/09/08	14:10	2002/09/08	15:00	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
630	AG 1	1	NFC			0			
630	AG 2	1	BT	A		1	530 530	R	
775	AG 1	1	CO	A		2	640 660	R	
775	AG 2	1	NFC			0			
782	AG 1	1	NFC			0			
782	AG 2	1	BT	A		1	630 630	R	

FDIS Fish Card

Shelagyte River Planning Area

Watershed Code:

480-195700-00000-00000-0000-000-000-000-000-000

Reach #

ILP Map #

ILP #

1.0

FISH SUMMARY											
Site#	MTD/NO		H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment
782	VO	1	1	ST	A		1	780	780	R	
884	AG	1	1	CO	A		1	550	550	S	
885	AG	1	1	NFC			0				
901	AG	1	1	CO	A	4+	1	530	530	R	
902	AG	1	1	NFC			0				
903	AG	1	1	NFC			0				
903	AG	2	1	NFC			0				
909	AG	1	1	NFC			0				
909	AG	2	1	NFC			0				
910	AG	1	1	NFC			0				
910	AG	2	1	NFC			0				
923	AG	1	1	BT	A		2	470	503	R	
985	AG	1	1	BT	A		2	490	520	S	

INDIVIDUAL FISH DATA															
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age		Vch#	Genetic		Roll #	Frame#	Comment
								Str/Smpl#	Age		Str/Smpl#				
901	AG	1	1	CO	530		U	U							
775	AG	1	1	CO	660		M	M							
775	AG	1	1	CO	640		F	M							
630	AG	2	1	BT	530		F	ST	FR	62006	11				
782	AG	2	1	BT	630		U	U	FR	1782	11			62	14
782	VO	1	1	ST	780		U	U						31	20
985	AG	1	1	BT	490		F	M	FR	20	8				Roll 31 Frames 21,22
985	AG	1	1	BT	520		U	U							Lost at beach
884	AG	1	1	CO	550		U	U							
923	AG	1	1	BT	470		F	MT	FR	71001	5				
923	AG	1	1	BT	485		M	MT	FR	71002	6				
923	AG	1	1	BT	530		M	MT	FR	71003	8				

COMMENTS	
Section	Comments
WATERBODY	BT captured was spent. Snake like morphology with evidence of recent spawning activity-protruding papillae, marked tail, liquid expelled when squeezed.

FDIS Reach Card

Shelagyote River Planning Area

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

Reach # ILP Map # ILP #
2.0

PROJECT																			
Project Name: Shelagyote Inventory					Project Code: 1550														
Stream Name (gaz.): BABINE RIVER																			
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000																			
WATERSHED																			
Reach Watershed Code: 480-195700-48200-00000-0000-0000-000-000-000-000-000-000																			
ILP Map #:	ILP #:	Reach #:	2.0	NID Map #:	093M.084	NID #:	13066												
Air Photos		Names		UTM(Zone/East/North/Method)															
LINE: 30BCB92049		Gaz.:		9.603271.6186838 GIS															
#: 152		Local:		Sample Type: B		Wetland: ☐													
SURVEY INFO																			
Date: 2001/07/11			Agency: C172			Crew: JH/JA													
ATTRIBUTES																			
Length (km): .82		Gradient: 3.41		Setting: VW		DISTURBANCE INDICATORS													
DS Elev.: 876		Order: 4		Open water: A		<table style="width:100%; border: none;"> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> </table>				☐	☐	☐	☐	☐	☐	☐	☐	☐	
☐	☐	☐	☐	☐	☐	☐	☐	☐											
US Elev: 904		Magnitude: 113		Confinement: UN		<table style="width:100%; border: none;"> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td> </tr> </table>				C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
C1	C2	C3	C4	C5	S1	S2	S3	S4	S5										
		BGC Zone: SBS		Coupling: PC		<table style="width:100%; border: none;"> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> </table>				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐										
Valley Flat: N		C/D: ☐		Est. Width:		Islands: N													
Active Floodplain Visible: ☐				Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR		Mass Movement: L													
Channel Pattern: IM				Riparian Veg.: C		Exposed/Eroded: NS													
						Landuse: NO													

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

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 2.0
ILP Map #
ILP #

WATERBODY												
Gazetted Name:						Local: None						
Project Code: 480-000000-00000-00000-0000-000-000-000-000-000-0												
WS Code: 480-195700-48200-00000-0000-0000-000-000-000-000-000												
Waterbody ID:				ILP Map #:				ILP #:		Reach #: 2 -		
Project ID: 1550				Lake/Stream: S				Lake From Date:				
Fish Permit #: 145084K			Date: 2002/09/08			To: 2002/09/08			Agency: C172		Crew: JD/SG	Resample: ☐
SITE / METHOD												
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO	Temp	Cond	Turbid	Comment		
777	093M.084	22777	9	604432	6185508	GPU VO 1	7		C	Downstream UTM		
777	093M.084	22777	9	603452	6186616	GPU AG 1	7		C	Upstream UTM		
A. GEAR SETTINGS												
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment					
777	AG 1	1	2002/09/08	09:00	2002/09/08	10:00						
777	VO 1	1	2002/09/08	09:00	2002/09/08	10:00						
FISH SUMMARY												
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment			
777	AG 1	1	NFC			0						
777	VO 1	1	NFC			0						
COMMENTS												
Section			Comments									
WATERBODY			Spawning-moderate limited to lower 400 m of survey									
WATERBODY			Overwintering-good due to perennial stream flow and deep pool/run habitat									
WATERBODY			Rearing-good due to abundant deep pool/run habitat									

FDIS Reach/Site Summary

Shelagyote River Planning Area

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

Reach # ILP Map # ILP #

1.0

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 480-195700-80300-00000-0000-0000-000-000-000-000					ILP Map #:		ILP #:		
REACH									
Reach #: 1.0		UTM (Zone/East/North): 9.604615.6199534				Sample Type: Biased			
Length (km): 1.53		Coupling: Partially Couple		Magnitude: 122		BGC Zone: SBS			
Gradient (%): 1.8		Confinement: Frequently Confine		Order: 5		Open water: Absent			
US Elev (m): 923		Islands: NONE		Riparian Vegetation: Coniferous					
Bars: None ☒ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: None/natural									
SITE									
Site #: 620		Field UTM 9.604773.6198675		Agency: C172		Crew: JH/RT		Date: 2001/09/14	
Site Length (m): 300		GIS UTM 9.604788.6198715		Agency Name: Triton Environmental Consultants (Terrace)					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribes.: ☐		#					
Stage: Low ☐		Channel Width (m):		9.02		8		10.30	
Med ☒		Wetted Width (m):		7.47		7.1		8	
High ☐		Bankfull Depth (m):		1.00		0.9		1.1	
Temp (C): 7		pH: 7.2		Conductivity: 70		Avg		Min	
						Gradient %:		3.50	
						Pool Depth (m):		0.72	
						Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Cobble		D95 (cm): 70.00		Bars: Non ☐		Side ☒		Diagonal ☐	
Subdominant: Boulders		D (cm): 40.00		Mid-channel ☐		Span ☐		Braid ☐	
Channel Pattern: Irregular, Wandering		Islands: None		DISTURBANCE INDICATORS					
Coupling: Partially Coupled				O1		B1		B2	
Confinement: Occasionally Confine				D1		D2		D3	
Morphology: RP Riffle Pool				C1		C2		C3	
				C4		C5		S1	
				S2		S3		S4	
				S5					
COVER									
Total Cover: Abundant		Type: SWD		LWD		B		U	
LWD: Few		Amount: N		T		S		S	
LWD Dist: Clumped		Location: P/S/O:		☐		☒		☐	
Right Bank: Shape: Undercut		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☐	
Left Bank: Shape: Undercut		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg: Mixed C/D		Stage: Mature forest		Instream Veg: None ☒		Algae ☐		Moss ☐	
Left Bank: Rip.Veg:		Stage: Mature forest		Vascular ☐		FSZ: ☐		Crown Closure 1-20%	
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
620	AG	1		105 min		NFC	0		
778	AG	1		60 min		NFC	0		
778	VO	1		60 min		NFC	0		

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 1.0
ILP Map #
ILP #

WATERBODY													
Gazetted Name:										Local: None			
Project Code: 480-000000-00000-00000-0000-000-000-000-000-0													
WS Code: 480-195700-80300-00000-0000-0000-000-000-000-000-000													
Waterbody ID:				ILP Map #:				ILP #:		Reach #: 1 -			
Project ID: 1550				Lake/Stream: S				Lake From Date:					
Fish Permit #: 145084K			Date: 2001/09/14			To: 2001/09/14			Agency: C172		Crew: JH/RT		Resample: ☐
SITE / METHOD													
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO	Temp	Cond	Turbid	Comment		
778	093M.094	22778	9	604435	6199381	GPU	VO	1	7		L	Upstream UTM	
778	093M.094	22778	9	605026	6198508	GPU	AG	1	7		L	Downstream UTM	
620	093M.094	60020	9	604773	6198675	GPU	AG	1	7		L		
A. GEAR SETTINGS													
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment						
620	AG	1	1	2001/09/14	08:30	2001/09/14	10:15						
778	AG	1	1	2002/09/08	10:45	2002/09/08	11:45						
778	VO	1	1	2002/09/08	10:45	2002/09/08	11:45						
FISH SUMMARY													
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment				
620	AG	1	1	NFC		0							
778	AG	1	1	NFC		0							
778	VO	1	1	NFC		0							
COMMENTS													
Section			Comments										
WATERBODY			Spawning-moderate-no gravel observed above the lower 200 m (boulder/cascade substrates)										
WATERBODY			Overwintering-moderate some deep pool but limited by high energy										
WATERBODY			Rearing-good due to abundant pool habitat behind boulder cover										

Site #779

FDIS Reach Card

Shelagyte River Planning Area

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

Reach # 4.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagyte Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	4.0	NID Map #:	093M.074	NID #:	15437		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92119		Gaz.: SHELAGYTE RIVER		9.607478.6184546 GIS					
#: 135		Local:		Sample Type: B Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 7.38	Gradient: 0.58	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 720	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev: 763	Magnitude: 1151	Confinement: OC	C1	C2	C3	C4	C5	S1	S2
	BGC Zone: ESSF	Coupling: DC						S3	S4
									S5
Valley Flat: B	C/D: C	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IR		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						

MAPS		
Map Type	Map #	Year
TRIM	093M.074	1995

FDIS Fish Card

Shelagyte River Planning Area

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

Reach # 4.0
ILP Map #
ILP #

WATERBODY									
Gazetted Name: SHELAGYTE RIVER					Local: Shelagyte River				
Project Code: 480-000000-00000-00000-0000-0000-000-000-000-000-0									
WS Code: 480-195700-00000-00000-0000-0000-000-000-000-000-000									
Waterbody ID:		ILP Map #:		ILP #:		Reach #:		4 -	
Project ID: 1550				Lake/Stream: S		Lake From Date:			
Fish Permit #: 145084K		Date: 2001/09/14		To: 2001/09/14		Agency: C172		Crew: JH/RT	
Resample: ☐									

SITE / METHOD										
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO	Temp	Cond	Turbid	Comment
881	093M.074	80081	9	607713	6183691	GPU AG 1	7			
982	093M.074	90082	9	607549	6184502	GPU AG 1	6		C	
912	093M.074	90012	9	607725	6183683	GPU AG 2			L	
912	093M.074	90012	9	607725	6183683	GPU AG 1			L	
780	093M.074	22780	9	607692	6183387	GPU AG 2				
780	093M.074	22780	9	607692	6183387	GPU AG 1				
779	093M.074	22779	9	607642	6183390	GPU AG 2				
779	093M.074	22779	9	607642	6183390	GPU AG 1				
678	093M.074	22678	9	607730	6183688	GPU AG 2				
678	093M.074	22678	9	607730	6183688	GPU AG 1				
627	093M.074	60027	9	607729	6183691	GPU AG 2	9		C	
627	093M.074	60027	9	607729	6183691	GPU AG 1	9		C	
626	093M.074	60026	9	607549	6184502	GPU AG 2	9		C	
626	093M.074	60026	9	607549	6184502	GPU AG 1	9		C	

A. GEAR SETTINGS										
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment			
626	AG 1	1	2001/09/14	13:00	2001/09/14	13:30				
626	AG 2	1	2001/09/14	13:00	2001/09/14	13:30				
627	AG 1	1	2001/09/14	13:50	2001/09/14	14:10				
627	AG 2	1	2001/09/14	13:50	2001/09/14	14:10				
678	AG 1	1	2002/09/08	12:15	2002/09/08	12:30				
678	AG 2	1	2002/09/08	12:15	2002/09/08	12:30				
779	AG 1	1	2002/09/08	12:35	2002/09/08	12:45				
779	AG 2	1	2002/09/08	12:35	2002/09/08	12:45				
780	AG 1	1	2002/09/08	12:50	2002/09/08	13:10				
780	AG 2	1	2002/09/08	12:50	2002/09/08	13:10				
881	AG 1	1	2002/09/21	12:00	2002/09/21	12:17				
912	AG 1	1	2001/08/20	12:30	2001/08/20	12:50				
912	AG 2	1	2001/08/20	12:30	2001/08/20	12:50				
982	AG 1	1	2002/09/08	12:05	2002/09/08	12:35				

FISH SUMMARY										
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment
626	AG 1	1	BT	A		1	520	520	S	
626	AG 2	1	BT	A		1	560	560	S	
627	AG 1	1	NFC			0				
627	AG 2	1	NFC			0				
678	AG 1	1	NFC			0				
678	AG 2	1	NFC			0				
779	AG 1	1	NFC			0				
779	AG 2	1	BT	A		1	290	290	R	
780	AG 1	1	NFC			0				
780	AG 2	1	NFC			0				
881	AG 1	1	NFC			0				
912	AG 1	1	NFC			0				
912	AG 2	1	NFC			0				
982	AG 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#			

Shelagyote River Planning Area

480-195700-00000-00000-0000-0000-000-000-000-000-000-000

ILP #

4.0

									Str/Smpl#/Age				Str/Smpl#				
626	AG	1	1	BT	520		F	SP	FR	62001	7				62	9	
626	AG	2	1	BT	560		F	SP	FR	62002	7				62	10	
779	AG	2	1	BT	290		M	U	FR	1779	5				31	12	

COMMENTS

Section	Comments
WATERBODY	Site 627 No fish caught. Toilet bowl. Potential staging. Deep tank approx. 3 m deep
WATERBODY	Site 626 Both fish were still quite firm and obviously not spawned out.
WATERBODY	Site 626 BT have been captured at this location on three separate occasions. No redds observed. Fish expressed eggs when squeezed or handled slightly. Tail was slightly marked and pappilae was not protruding.



Site #779, photo of Bull trout.
Roll #31, Frame #13, Date: 2002/09/08

Site #780

FDIS Reach Card

Shelagyote River Planning Area

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

Reach # 4.0 ILP Map # ILP #

PROJECT									
Project Name: Shelagyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	4.0	NID Map #:	093M.074	NID #:	15437		
Air Photos	Names			UTM(Zone/East/North/Method)					
LINE: 30BCB92119	Gaz.: SHELAGYOTE RIVER			9.607478.6184546 GIS					
#: 135	Local:			Sample Type: B Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 7.38	Gradient: 0.58	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 720	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev: 763	Magnitude: 1151	Confinement: OC	C1	C2	C3	C4	C5	S1	S2
	BGC Zone: ESSF	Coupling: DC						S3	S4
									S5
Valley Flat: B	C/D: C	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IR		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						

MAPS		
Map Type	Map #	Year
TRIM	093M.074	1995

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 4.0
ILP Map #
ILP #

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 4 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/09/14

To: 2001/09/14

Agency: C172

Crew: JH/RT

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
881	093M.074	80081	9 607713 6183691 GPU	AG 1	7			
982	093M.074	90082	9 607549 6184502 GPU	AG 1	6		C	
912	093M.074	90012	9 607725 6183683 GPU	AG 2			L	
912	093M.074	90012	9 607725 6183683 GPU	AG 1			L	
780	093M.074	22780	9 607692 6183387 GPU	AG 2				
780	093M.074	22780	9 607692 6183387 GPU	AG 1				
779	093M.074	22779	9 607642 6183390 GPU	AG 2				
779	093M.074	22779	9 607642 6183390 GPU	AG 1				
678	093M.074	22678	9 607730 6183688 GPU	AG 2				
678	093M.074	22678	9 607730 6183688 GPU	AG 1				
627	093M.074	60027	9 607729 6183691 GPU	AG 2	9		C	
627	093M.074	60027	9 607729 6183691 GPU	AG 1	9		C	
626	093M.074	60026	9 607549 6184502 GPU	AG 2	9		C	
626	093M.074	60026	9 607549 6184502 GPU	AG 1	9		C	

A GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
626	AG 1	1	2001/09/14	13:00	2001/09/14	13:30	
626	AG 2	1	2001/09/14	13:00	2001/09/14	13:30	
627	AG 1	1	2001/09/14	13:50	2001/09/14	14:10	
627	AG 2	1	2001/09/14	13:50	2001/09/14	14:10	
678	AG 1	1	2002/09/08	12:15	2002/09/08	12:30	
678	AG 2	1	2002/09/08	12:15	2002/09/08	12:30	
779	AG 1	1	2002/09/08	12:35	2002/09/08	12:45	
779	AG 2	1	2002/09/08	12:35	2002/09/08	12:45	
780	AG 1	1	2002/09/08	12:50	2002/09/08	13:10	
780	AG 2	1	2002/09/08	12:50	2002/09/08	13:10	
881	AG 1	1	2002/09/21	12:00	2002/09/21	12:17	
912	AG 1	1	2001/08/20	12:30	2001/08/20	12:50	
912	AG 2	1	2001/08/20	12:30	2001/08/20	12:50	
982	AG 1	1	2002/09/08	12:05	2002/09/08	12:35	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
626	AG	1	1	BT	A	1	520 520	S	
626	AG	2	1	BT	A	1	560 560	S	
627	AG	1	1	NFC		0			
627	AG	2	1	NFC		0			
678	AG	1	1	NFC		0			
678	AG	2	1	NFC		0			
779	AG	1	1	NFC		0			
779	AG	2	1	BT	A	1	290 290	R	
780	AG	1	1	NFC		0			
780	AG	2	1	NFC		0			
881	AG	1	1	NFC		0			
912	AG	1	1	NFC		0			
912	AG	2	1	NFC		0			
982	AG	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#			

FDIS Fish Card

Shelagyote River Planning Area

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

Reach #

ILP Map #

ILP #

4.0

Str/Smpl#/Age										Str/Smpl#			
626	AG	1	1	BT	520		F	SP	FR	62001	7		
626	AG	2	1	BT	560		F	SP	FR	62002	7		
779	AG	2	1	BT	290		M	U	FR	1779	5		

COMMENTS

Section	Comments
WATERBODY	Site 627 No fish caught. Toilet bowl. Potential staging. Deep tank approx. 3 m deep
WATERBODY	Site 626 Both fish were still quite firm and obviously not spawned out.
WATERBODY	Site 626 BT have been captured at this location on three separate occasions. No redds observed. Fish expressed eggs when squeezed or handled slightly. Tail was slightly marked and pappilae was not protruding.

Site #781

FDIS Reach Card

Shelagyote River Planning Area

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

Reach # 2.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	2.0	NID Map #:	093M.074	NID #:	15753		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92093		Gaz.: SHELAGYOTE RIVER		9.610992.6177392 GIS					
#: 57		Local:		Sample Type: R Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 14.71	Gradient: 0.6	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 604	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev: 692	Magnitude: 1393	Confinement: OC	☐	☐	☐	☐	☐	☐	☐
	BGC Zone: SBS	Coupling: PC	C1	C2	C3	C4	C5	S1	S2
			☐	☐	☐	☐	☐	☐	☐
Valley Flat: B	C/D: D	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IR		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						

MAPS		
Map Type	Map #	Year
TRIM	093M.074	1995
TRIM	093M.065	1990

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 2.0 ILP Map # ILP #

WATERBODY									
Gazetted Name: SHELAGYOTE RIVER					Local: Shelagyote River				
Project Code: 480-000000-00000-00000-0000-000-000-000-000-000-0									
WS Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
Waterbody ID:		ILP Map #:			ILP #:		Reach #: 2 -		
Project ID: 1550		Lake/Stream: S			Lake From Date:				
Fish Permit #: 145084K		Date: 2001/08/20		To: 2001/08/20		Agency: C172		Crew: JH/TM/JD/	Resample: ☐

SITE / METHOD									
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd		MTD/NO	Temp	Cond	Turbid	Comment
629	093M.065	60029	9	613994	6172469 GPU AG 2	9		C	
904	093M.065	90004	9	616191	6169530 GPU AG 2	6		L	
905	093M.065	90005	9	615355	6170675 GPU AG 1	6		L	
905	093M.065	90005	9	615355	6170675 GPU AG 2	6		L	
906	093M.074	90006	9	611719	6175544 GPU AG 1	6		L	65 cm visibility
906	093M.074	90006	9	611719	6175544 GPU AG 2	6		L	
774	093M.065	22774	9	614307	6171705 GPU AG 1			L	
774	093M.064	22774	9	614307	6171705 GPU AG 2			L	
628	093M.065	60028	9	613840	6172687 GPU AG 1	9		C	
904	093M.065	90004	9	616191	6169530 GPU AG 1	6		L	
629	093M.065	60029	9	613994	6172469 GPU AG 1	9		C	
882	093M.074	80082	9	611716	6175535 GPU AG 1	7			
781	093M.065	22781	9	614315	6171717 GPU AG 1				
781	093M.065	22781	9	614315	6171717 GPU AG 2				
911	093M.065	90011	9	614309	6171708 GPU AG 1			L	
911	093M.065	90011	9	614309	6171708 GPU AG 2			L	
911	093M.065	90011	9	614309	6171708 GPU VO 1			L	
983	093M.074	90083	9	611716	6175563 GPU AG 1	6		C	
984	093M.065	90084	9	615350	6170658 GPU AG 1	6		C	
883	093M.065	80083	9	614362	6171686 GPU AG 1	7			
883	093M.065	80083	9	614362	6171686 GPU AG 2	7			
628	093M.065	60028	9	613840	6172687 GPU AG 2	9		C	

A. GEAR SETTINGS							
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
628	AG 1	1	2001/09/14	14:10	2001/09/14	14:40	
628	AG 2	1	2001/09/14	14:10	2001/09/14	14:40	
629	AG 1	1	2001/09/14	15:00	2001/09/14	16:00	
629	AG 2	1	2001/09/14	15:00	2001/09/14	16:00	
774	AG 1	1	2001/09/14	13:00	2001/09/14	14:30	
774	AG 2	1	2001/09/14	13:00	2001/09/14	14:30	
781	AG 1	1	2002/09/08	13:30	2002/09/08	15:00	
781	AG 2	1	2002/09/08	13:30	2002/09/08	15:00	
882	AG 1	1	2002/09/21	12:30	2002/09/21	12:47	
883	AG 1	1	2002/09/21	13:15	2002/09/21	14:17	
883	AG 2	1	2002/09/21	16:45	2002/09/21	17:00	
904	AG 1	1	2001/08/20	11:30	2001/08/20	12:15	
904	AG 2	1	2001/08/20	11:30	2001/08/20	12:15	
905	AG 1	1	2001/08/20	12:20	2001/08/20	13:05	
905	AG 2	1	2001/08/20	12:20	2001/08/20	13:05	
906	AG 1	1	2001/08/20	13:10	2001/08/20	13:40	
906	AG 2	1	2001/08/20	13:10	2001/08/20	13:40	
911	AG 1	1	2001/08/20	10:15	2001/08/20	12:15	
911	AG 2	1	2001/08/20	10:15	2001/08/20	12:15	
911	VO 1	1	2001/08/20	10:15	2001/08/20	12:15	
983	AG 1	1	2002/09/08	12:40	2002/09/08	13:15	
984	AG 1	1	2002/09/08	13:20	2002/09/08	14:00	

FISH SUMMARY									
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment

FDIS Fish Card

Shelagoyte River Planning Area

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

Reach # ILP Map # ILP #
2.0

FISH SUMMARY																
Site#	MTD/NO		H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment					
628	AG	1	1	NFC			0									
628	AG	2	1	NFC			0									
629	AG	1	1	BT	A		2	570	650	S						
629	AG	2	1	BT	A		1	480	480	S						
774	AG	1	1	BT	A		1	595	595	R						
774	AG	2	1	RB	A		1	400	400	R						
781	AG	1	1	CO	A		4	450	590	R						
781	AG	2	1	BT	A		1	610	610	R						
781	AG	2	1	RB	A		1	410	410	R						
882	AG	1	1	NFC			0									
883	AG	1	1	BT	A		5	510	600	S						
883	AG	1	1	ST	A		2	690	740	R						
883	AG	2	1	BT	A		3	480	574	S						
904	AG	1	1	NFC			0									
904	AG	2	1	NFC			0									
905	AG	1	1	BT	A		1	410	410	R						
905	AG	2	1	NFC			0									
906	AG	1	1	NFC			0									
906	AG	2	1	NFC			0									
911	AG	1	1	BT	A		4	280	450	R						
911	AG	2	1	CO	A		1	630	630	R						
911	AG	2	1	RB	A		1	418	418	R						
911	VO	1	1	CH	A		1	800	800	R						
983	AG	1	1	NFC			0									
984	AG	1	1	CO	A		2	540	650	S						
INDIVIDUAL FISH DATA																
Site#	MTD/NO		H/P	Species	Length	Weight	Sex	Mat	Age		Vch#	Genetic		Roll #	Frame#	Comment
									Str/Smpl#	Age		Str/Smpl#				
905	AG	1	1	BT	410		F	IM	FR	1901	5			91	1	Roll 91 Frames 2, 3, 4 are of the same fish
774	AG	1	1	BT	595		M	ST	FR	7741	8			31	3	
629	AG	1	1	BT	570		F	ST	FR	62003	8			62	11	Roll 31 Frame 4. Tagged 10225
629	AG	1	1	BT	650		M	ST	FR	62004	11			62	12	
629	AG	2	1	BT	480		F	SP	FR	62005	8			62	13	
781	AG	1	1	CO	450		M	U								
781	AG	1	1	CO	480		M	U						31	15	
781	AG	1	1	CO	590		M	U						31	16	
781	AG	1	1	CO	550		M	U								
781	AG	2	1	BT	610		M	U						31	17	Not ready to spawn. Tagged 10225
781	AG	2	1	RB	410		M	U						31	18	Roll 31 Frame 19
911	AG	1	1	BT	280		U	U								
911	AG	1	1	BT	430		U	U								Already tagged
911	AG	1	1	BT	450		U	U						41	2	Tagged 10223 Photos Roll 41 Frames 2-4
911	AG	1	1	BT	425		U	U						41	5	Tagged 10224 Photos Roll 41 Frames 5-7
911	AG	2	1	RB	418		U	U						41	8	
911	AG	2	1	CO	630		U	U						41	1	
911	VO	1	1	CH	800		U	U								Lost chinook at beach
984	AG	1	1	CO	540		U	U								
984	AG	1	1	CO	650		U	U								
883	AG	1	1	BT	510		M	SP	FR	2	8					
883	AG	1	1	BT	600		F	SP	FR	1	11					
883	AG	1	1	BT	560		F	ST	FR	3	11					
883	AG	1	1	BT	510		F	M	FR	4	9					
883	AG	1	1	BT	530		M	ST	FR	5	8					
883	AG	1	1	ST	740		U	U								

FDIS Fish Card

Shelagoyote River Planning Area

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

Reach #
2.0

ILP Map #

ILP #

INDIVIDUAL FISH DATA																	
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment	
								Str/Smpl#	Age			Str/Smpl#					
883	AG	1	1	ST	690		U	U									
883	AG	2	1	BT	480		F	M	FR	450	8						
883	AG	2	1	BT	495		U	U									
883	AG	2	1	BT	574		U	U									
774	AG	2	1	RB	400		U	U									

COMMENTS	
Section	Comments
WATERBODY	Site 629 57/65cm expelled liquid when squeezed-faint trace of milt in male. 48 cm female expressed consistent eggs when squeezed. 57/65 cm fins on males and females showed signs of recent spawning activity-papillae extruding.
WATERBODY	Site 628 No fish caught. Resting/Rearing habitat. Steelhead type holding water. 600 m stream walk with no redds observed. Section of stream has potential CO/BT/ST spawning habitat with the tailout and adjacent to the point side bars. Abundant cover.



Site #781, Photo of coho.
Roll #31, Frame #15, Date: 2001/09/08



Site #781, Photo of coho.
Roll #31, Frame #16, Date: 2001/09/08



Site #781, re-capture, tag # 10225.
Roll #31, Frame #17, Date: 2002/09/08



Site #781, Photo of rainbow trout.
Roll #31, Frame #18, Date: 2001/09/08

Site #782

FDIS Reach Card **Shelagyote River Planning Area**

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

Reach # 1.0 ILP Map # ILP #

PROJECT									
Project Name: Shelagyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:		ILP #:		Reach #: 1.0		NID Map #: 093M.065		NID #: 19113	
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92090		Gaz.: SHELAGYOTE RIVER		9.616596.6169199 GIS					
#: 215		Local:				Sample Type: B		Wetland: ☐	
SURVEY INFO									
Date: 2001/07/11				Agency: C172			Crew: JH/JA		
ATTRIBUTES									
Length (km): 6.11		Gradient: 1		Setting: VF		DISTURBANCE			
DS Elev.: 543		Order: 6		Open water: A		INDICATORS			
US Elev: 604		Magnitude: 1427		Confinement: FC					
		BGC Zone: SBS		Coupling: PC					
Valley Flat: B		C/D: D		Islands: N					
Active Floodplain Visible: ☐		Est. Width:		Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR					
Channel Pattern: IM				Mass Movement: L		Exposed/Eroded: NS			
				Riparian Veg.: D		Landuse: NO			
MAPS									
Map Type		Map #		Year					
TRIM		093M.065		1990					

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 1.0
ILP Map #
ILP #

WATERBODY									
Gazetted Name: SHELAGYOTE RIVER					Local: Shelagyote River				
Project Code: 480-000000-00000-00000-0000-000-000-000-000-000-0									
WS Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
Waterbody ID:					ILP Map #:		ILP #:		Reach #: 1 -
Project ID: 1550					Lake/Stream: S		Lake From Date:		
Fish Permit #: 145084K		Date: 2001/08/20		To: 2001/08/20		Agency: C172		Crew: JH/TM/JD/ Resample: ☐	

SITE / METHOD											
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO		Temp	Cond	Turbid	Comment
782	093M.065	22782				GPU	VO	1			Lost fish at beach
902	093M.065	90002				GPU	AG	1	6	L	
903	093M.065	90003	9	617089	6167848	GPU	AG	1	6	L	
903	093M.065	90003	9	617089	6167848	GPU	AG	2	6	L	
775	093M.065	22775	9	618289	6166820	GPU	AG	1		L	
775	093M.065	22775	9	618289	6166820	GPU	AG	2		L	
630	093M.065	60030	9	618500	6165600	GPU	AG	1	9	L	
630	093M.065	60030	9	618500	6165600	GPU	AG	2	9	L	
901	093M.065	90001				GPU	AG	1	6	L	
782	093M.065	22782	9	617471	6167585	GPU	AG	2			
923	093M.065	90023	9	618585	6165291	GPU	AG	1	6	L	
909	093M.065	90009	9	618694	6166475	GPU	AG	1		L	
909	093M.065	90009	9	618694	6166475	GPU	AG	2		L	
910	093M.065	90010	9	617471	6167505	GPU	AG	1		L	
910	093M.065	90010	9	617471	6167505	GPU	AG	2		L	
985	093M.065	90085	9	618078	6166823	GPU	AG	1	6	C	
884	093M.065	80084	9	617548	6167624	GPU	AG	1	7		
885	093M.065	80085	9	618097	6166830	GPU	AG	1	7		
782	093M.065	22782	9	617471	6167585	GPU	AG	1			

A GEAR SETTINGS								
Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment
630	AG	1	1	2001/09/14	16:15	2001/09/14	17:00	
630	AG	2	1	2001/09/14	16:15	2001/09/14	17:00	
775	AG	1	1	2001/09/14	15:00	2001/09/14	15:50	
775	AG	2	1	2001/09/14	15:00	2001/09/14	15:50	
782	AG	1	1	2002/09/08	15:10	2002/09/08	16:10	
782	AG	2	1	2002/09/08	15:10	2002/09/08	16:10	
782	VO	1	1	2002/09/08	15:10	2002/09/08	16:10	
884	AG	1	1	2002/09/21	14:34	2002/09/21	15:15	
885	AG	1	1	2002/09/21	15:38	2002/09/21	16:37	
901	AG	1	1	2001/08/20	10:15	2001/08/20	10:50	
902	AG	1	1	2001/08/20	10:15	2001/08/20	10:50	
903	AG	1	1	2001/08/20	11:00	2001/08/20	11:20	
903	AG	2	1	2001/08/20	11:00	2001/08/20	11:20	
909	AG	1	1	2001/08/20	09:00	2001/08/20	09:20	
909	AG	2	1	2001/08/20	09:00	2001/08/20	09:20	
910	AG	1	1	2001/08/20	09:30	2001/08/20	10:05	
910	AG	2	1	2001/08/20	09:30	2001/08/20	10:05	
923	AG	1	1	2001/08/20	16:00	2001/08/20	16:20	
985	AG	1	1	2002/09/08	14:10	2002/09/08	15:00	

FISH SUMMARY									
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
630	AG 1	1	NFC			0			
630	AG 2	1	BT	A		1	530 530	R	
775	AG 1	1	CO	A		2	640 660	R	
775	AG 2	1	NFC			0			
782	AG 1	1	NFC			0			
782	AG 2	1	BT	A		1	630 630	R	

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 1.0
ILP Map #
ILP #

FISH SUMMARY											
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment	
782	VO	1	1	ST	A	1	780	780	R		
884	AG	1	1	CO	A	1	550	550	S		
885	AG	1	1	NFC		0					
901	AG	1	1	CO	A	4+	530	530	R		
902	AG	1	1	NFC		0					
903	AG	1	1	NFC		0					
903	AG	2	1	NFC		0					
909	AG	1	1	NFC		0					
909	AG	2	1	NFC		0					
910	AG	1	1	NFC		0					
910	AG	2	1	NFC		0					
923	AG	1	1	BT	A	2	470	503	R		
985	AG	1	1	BT	A	2	490	520	S		

INDIVIDUAL FISH DATA														
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age		Vch#	Genetic	Roll #	Frame#	Comment
								Str/Smpl#	Age	Str/Smpl#				
901	AG	1	1	CO	530		U	U						
775	AG	1	1	CO	660		M	M						
775	AG	1	1	CO	640		F	M						
630	AG	2	1	BT	530		F	ST	FR	62006	11			
782	AG	2	1	BT	630		U	U	FR	1782	11			
782	VO	1	1	ST	780		U	U				62	14	
985	AG	1	1	BT	490		F	M	FR	20	8			Roll 31 Frames 21,22
985	AG	1	1	BT	520		U	U						Lost at beach
884	AG	1	1	CO	550		U	U						
923	AG	1	1	BT	470		F	MT	FR	71001	5			
923	AG	1	1	BT	485		M	MT	FR	71002	6			
923	AG	1	1	BT	530		M	MT	FR	71003	8			

COMMENTS	
Section	Comments
WATERBODY	BT captured was spent. Snake like morphology with evidence of recent spawning activity-protruding papillae, marked tail, liquid expelled when squeezed.



Site #782, Bull trout, 630 mm.
Roll # 31, Frame #21, Date: 2002/09/08



Site #782, Bull trout, 630 mm.
Roll #31, Frame #22, Date: 2002/09/08

Site #881

FDIS Reach Card **Shelagyote River Planning Area**

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

Reach # ILP Map # ILP #
 4.0

PROJECT											
Project Name: Shelagyote Inventory Stream Name (gaz.): BABINE RIVER Project Watershed Code: 480-000000-00000-00000-0000-0000-000-000-000-000-000					Project Code: 1550						
WATERSHED											
Reach Watershed Code: 480-195700-00000-00000-0000-0000-000-000-000-000-000											
ILP Map #:		ILP #:		Reach #:		4.0		NID Map #: 093M.074		NID #: 15437	
Air Photos		Names		UTM(Zone/East/North/Method)		9.607478.6184546		GIS		Sample Type: B Wetland: ☐	
LINE: 30BCB92119		Gaz.: SHELAGYOTE RIVER		Local:							
#: 135											
SURVEY INFO											
Date: 2001/07/11				Agency: C172				Crew: JH/JA			
ATTRIBUTES											
Length (km): 7.38		Gradient: 0.58		Setting: VF		DISTURBANCE O1 B1 B2 B3 D1 D2 D3					
DS Elev.: 720		Order: 6		Open water: A		INDICATORS ☐ ☐ ☐ ☐ ☐ ☐ ☐					
US Elev: 763		Magnitude: 1151		Confinement: OC		C1 C2 C3 C4 C5 S1 S2 S3 S4 S5					
		BGC Zone: ESSF		Coupling: DC		☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐					
Valley Flat: B		C/D: C		Islands: N		Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR					
Active Floodplain Visible: ☐		Est. Width:		Mass Movement: L		Exposed/Eroded: NS					
Channel Pattern: IR				Riparian Veg.: D		Landuse: NO					
MAPS											
Map Type		Map #		Year							
TRIM		093M.074		1995							

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # ILP Map # ILP #
4.0

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 4 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/09/14

To: 2001/09/14

Agency: C172

Crew: JH/RT

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
881	093M.074	80081	9 607713 6183691 GPU AG 1	7				
982	093M.074	90082	9 607549 6184502 GPU AG 1	6			C	
912	093M.074	90012	9 607725 6183683 GPU AG 2				L	
912	093M.074	90012	9 607725 6183683 GPU AG 1				L	
780	093M.074	22780	9 607692 6183387 GPU AG 2					
780	093M.074	22780	9 607692 6183387 GPU AG 1					
779	093M.074	22779	9 607642 6183390 GPU AG 2					
779	093M.074	22779	9 607642 6183390 GPU AG 1					
678	093M.074	22678	9 607730 6183688 GPU AG 2					
678	093M.074	22678	9 607730 6183688 GPU AG 1					
627	093M.074	60027	9 607729 6183691 GPU AG 2	9			C	
627	093M.074	60027	9 607729 6183691 GPU AG 1	9			C	
626	093M.074	60026	9 607549 6184502 GPU AG 2	9			C	
626	093M.074	60026	9 607549 6184502 GPU AG 1	9			C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
626	AG 1	1	2001/09/14	13:00	2001/09/14	13:30	
626	AG 2	1	2001/09/14	13:00	2001/09/14	13:30	
627	AG 1	1	2001/09/14	13:50	2001/09/14	14:10	
627	AG 2	1	2001/09/14	13:50	2001/09/14	14:10	
678	AG 1	1	2002/09/08	12:15	2002/09/08	12:30	
678	AG 2	1	2002/09/08	12:15	2002/09/08	12:30	
779	AG 1	1	2002/09/08	12:35	2002/09/08	12:45	
779	AG 2	1	2002/09/08	12:35	2002/09/08	12:45	
780	AG 1	1	2002/09/08	12:50	2002/09/08	13:10	
780	AG 2	1	2002/09/08	12:50	2002/09/08	13:10	
881	AG 1	1	2002/09/21	12:00	2002/09/21	12:17	
912	AG 1	1	2001/08/20	12:30	2001/08/20	12:50	
912	AG 2	1	2001/08/20	12:30	2001/08/20	12:50	
982	AG 1	1	2002/09/08	12:05	2002/09/08	12:35	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
626	AG 1	1	BT	A		1	520 520	S	
626	AG 2	1	BT	A		1	560 560	S	
627	AG 1	1	NFC			0			
627	AG 2	1	NFC			0			
678	AG 1	1	NFC			0			
678	AG 2	1	NFC			0			
779	AG 1	1	NFC			0			
779	AG 2	1	BT	A		1	290 290	R	
780	AG 1	1	NFC			0			
780	AG 2	1	NFC			0			
881	AG 1	1	NFC			0			
912	AG 1	1	NFC			0			
912	AG 2	1	NFC			0			
982	AG 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#			

FDIS Fish Card

Shelagyote River Planning Area

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

Reach #

ILP Map #

ILP #

4.0

									Str/Smpl#	Age		Str/Smpl#				
626	AG	1	1	BT	520		F	SP	FR	62001	7			62	9	
626	AG	2	1	BT	560		F	SP	FR	62002	7			62	10	
779	AG	2	1	BT	290		M	U	FR	1779	5			31	12	

COMMENTS

Section	Comments
WATERBODY	Site 627 No fish caught. Toilet bowl. Potential staging. Deep tank approx. 3 m deep
WATERBODY	Site 626 Both fish were still quite firm and obviously not spawned out.
WATERBODY	Site 626 BT have been captured at this location on three separate occasions. No redds observed. Fish expressed eggs when squeezed or handled slightly. Tail was slightly marked and parrillae was not protruding.

Site #882

FDIS Reach Card

Shelagyote River Planning Area

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

Reach # ILP Map # ILP #
2.0

PROJECT

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

Project Code: 1550

WATERSHED

Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000
ILP Map #: ILP #: Reach #: 2.0 NID Map #: 093M.074 NID #: 15753
Air Photos Names UTM(Zone/East/North/Method)
LINE: 30BCB92093 Gaz.: SHELAGYOTE RIVER 9.610992.6177392 | GIS
#: 57 Local: Sample Type: R Welland: ☐

SURVEY INFO

Date: 2001/07/11 Agency: C172 Crew: JH/JA

ATTRIBUTES

Length (km): 14.71	Gradient: 0.6	Setting: VF	DISTURBANCE INDICATORS											
DS Elev.: 604	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3					
US Elev: 692	Magnitude: 1393	Confinement: OC	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5		
BGC Zone: SBS		Coupling: PC	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
Valley Flat: B	C/D: D	Islands: N												
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR												
Channel Pattern: IR		Mass Movement: L	Exposed/Eroded: NS											
		Riparian Veg.: D	Landuse: NO											

MAPS

Map Type	Map #	Year
TRIM	093M.074	1995
TRIM	093M.065	1990

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 2.0
ILP Map #
ILP #

WATERBODY									
Gazetted Name: SHELAGYOTE RIVER					Local: Shelagyote River				
Project Code: 480-000000-00000-00000-0000-000-000-000-000-000-0									
WS Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
Waterbody ID:					ILP Map #:		ILP #:		Reach #: 2 -
Project ID: 1550					Lake/Stream: S		Lake From Date:		
Fish Permit #: 145084K		Date: 2001/08/20		To: 2001/08/20		Agency: C172		Crew: JH/TM/JD/ Resample: ☐	

SITE / METHOD												
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd		MTD/NO		Temp	Cond	Turbid	Comment		
629	093M.065	60029	9	613994	6172469	GPU AG	2	9		C		
904	093M.065	90004	9	616191	6169530	GPU AG	2	6		L		
905	093M.065	90005	9	615355	6170675	GPU AG	1	6		L		
905	093M.065	90005	9	615355	6170675	GPU AG	2	6		L		
906	093M.074	90006	9	611719	6175544	GPU AG	1	6		L	65 cm visibility	
906	093M.074	90006	9	611719	6175544	GPU AG	2	6		L		
774	093M.065	22774	9	614307	6171705	GPU AG	1			L		
774	093M.064	22774	9	614307	6171705	GPU AG	2			L		
628	093M.065	60028	9	613840	6172687	GPU AG	1	9		C		
904	093M.065	90004	9	616191	6169530	GPU AG	1	6		L		
629	093M.065	60029	9	613994	6172469	GPU AG	1	9		C		
882	093M.074	80082	9	611716	6175535	GPU AG	1	7				
781	093M.065	22781	9	614315	6171717	GPU AG	1					
781	093M.065	22781	9	614315	6171717	GPU AG	2					
911	093M.065	90011	9	614309	6171708	GPU AG	1			L		
911	093M.065	90011	9	614309	6171708	GPU AG	2			L		
911	093M.065	90011	9	614309	6171708	GPU VO	1			L		
983	093M.074	90083	9	611716	6175563	GPU AG	1	6		C		
984	093M.065	90084	9	615350	6170658	GPU AG	1	6		C		
883	093M.065	80083	9	614362	6171686	GPU AG	1	7				
883	093M.065	80083	9	614362	6171686	GPU AG	2	7				
628	093M.065	60028	9	613840	6172687	GPU AG	2	9		C		

A. GEAR SETTINGS							
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
628	AG 1	1	2001/09/14	14:10	2001/09/14	14:40	
628	AG 2	1	2001/09/14	14:10	2001/09/14	14:40	
629	AG 1	1	2001/09/14	15:00	2001/09/14	16:00	
629	AG 2	1	2001/09/14	15:00	2001/09/14	16:00	
774	AG 1	1	2001/09/14	13:00	2001/09/14	14:30	
774	AG 2	1	2001/09/14	13:00	2001/09/14	14:30	
781	AG 1	1	2002/09/08	13:30	2002/09/08	15:00	
781	AG 2	1	2002/09/08	13:30	2002/09/08	15:00	
882	AG 1	1	2002/09/21	12:30	2002/09/21	12:47	
883	AG 1	1	2002/09/21	13:15	2002/09/21	14:17	
883	AG 2	1	2002/09/21	16:45	2002/09/21	17:00	
904	AG 1	1	2001/08/20	11:30	2001/08/20	12:15	
904	AG 2	1	2001/08/20	11:30	2001/08/20	12:15	
905	AG 1	1	2001/08/20	12:20	2001/08/20	13:05	
905	AG 2	1	2001/08/20	12:20	2001/08/20	13:05	
906	AG 1	1	2001/08/20	13:10	2001/08/20	13:40	
906	AG 2	1	2001/08/20	13:10	2001/08/20	13:40	
911	AG 1	1	2001/08/20	10:15	2001/08/20	12:15	
911	AG 2	1	2001/08/20	10:15	2001/08/20	12:15	
911	VO 1	1	2001/08/20	10:15	2001/08/20	12:15	
983	AG 1	1	2002/09/08	12:40	2002/09/08	13:15	
984	AG 1	1	2002/09/08	13:20	2002/09/08	14:00	

FISH SUMMARY									
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment

FDIS Fish Card

Shelagyte River Planning Area

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

Reach # ILP Map # ILP #
2.0

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
628	AG	1	1	NFC		0			
628	AG	2	1	NFC		0			
629	AG	1	1	BT	A	2	570 650	S	
629	AG	2	1	BT	A	1	480 480	S	
774	AG	1	1	BT	A	1	595 595	R	
774	AG	2	1	RB	A	1	400 400	R	
781	AG	1	1	CO	A	4	450 590	R	
781	AG	2	1	BT	A	1	610 610	R	
781	AG	2	1	RB	A	1	410 410	R	
882	AG	1	1	NFC		0			
883	AG	1	1	BT	A	5	510 600	S	
883	AG	1	1	ST	A	2	690 740	R	
883	AG	2	1	BT	A	3	480 574	S	
904	AG	1	1	NFC		0			
904	AG	2	1	NFC		0			
905	AG	1	1	BT	A	1	410 410	R	
905	AG	2	1	NFC		0			
906	AG	1	1	NFC		0			
906	AG	2	1	NFC		0			
911	AG	1	1	BT	A	4	280 450	R	
911	AG	2	1	CO	A	1	630 630	R	
911	AG	2	1	RB	A	1	418 418	R	
911	VO	1	1	CH	A	1	800 800	R	
983	AG	1	1	NFC		0			
984	AG	1	1	CO	A	2	540 650	S	

INDIVIDUAL FISH DATA

Site#	MTD/NO		H/P	Species	Length	Weight	Sex	Mat	Age		Vch#	Genetic		Roll #	Frame#	Comment
									Str/Smpl#	Age		Str/Smpl#				
905	AG	1	1	BT	410		F	IM	FR	1901	5			91	1	Roll 91 Frames 2, 3, 4 are of the same fish
774	AG	1	1	BT	595		M	ST	FR	7741	8			31	3	
629	AG	1	1	BT	570		F	ST	FR	62003	8			62	11	
629	AG	1	1	BT	650		M	ST	FR	62004	11			62	12	
629	AG	2	1	BT	480		F	SP	FR	62005	8			62	13	
781	AG	1	1	CO	450		M	U								
781	AG	1	1	CO	480		M	U						31	15	
781	AG	1	1	CO	590		M	U						31	16	
781	AG	1	1	CO	550		M	U								
781	AG	2	1	BT	610		M	U						31	17	Not ready to spawn. Tagged 10225
781	AG	2	1	RB	410		M	U						31	18	Roll 31 Frame 19
911	AG	1	1	BT	280		U	U								
911	AG	1	1	BT	430		U	U								Already tagged
911	AG	1	1	BT	450		U	U						41	2	Tagged 10223 Photos Roll 41 Frames 2-4
911	AG	1	1	BT	425		U	U						41	5	Tagged 10224 Photos Roll 41 Frames 5-7
911	AG	2	1	RB	418		U	U						41	8	
911	AG	2	1	CO	630		U	U						41	1	
911	VO	1	1	CH	800		U	U								Lost chinook at beach
984	AG	1	1	CO	540		U	U								
984	AG	1	1	CO	650		U	U								
883	AG	1	1	BT	510		M	SP	FR	2	8					
883	AG	1	1	BT	600		F	SP	FR	1	11					
883	AG	1	1	BT	560		F	ST	FR	3	11					
883	AG	1	1	BT	510		F	M	FR	4	9					
883	AG	1	1	BT	530		M	ST	FR	5	8					
883	AG	1	1	ST	740		U	U								

FDIS Fish Card

Shelagote River Planning Area

Watershed Code:

480-195700-00000-00000-0000-000-000-000-000-000

Reach #

ILP Map #

ILP #

2.0

INDIVIDUAL FISH DATA																	
Site#	MTD/NO		H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment
									Str/Smpl#Age				Str/Smpl#				
883	AG	1	1	ST	690		U	U									
883	AG	2	1	BT	480		F	M	FR	450	8						
883	AG	2	1	BT	495		U	U									
883	AG	2	1	BT	574		U	U									
774	AG	2	1	RB	400		U	U									

COMMENTS	
Section	Comments
WATERBODY	Site 629 57/65cm expelled liquid when squeezed-faint trace of milt in male. 48 cm female expressed consistent eggs when squeezed. 57/65 cm fins on males and females showed signs of recent spawning activity-papillae extruding.
WATERBODY	Site 628 No fish caught. Resting/Rearing habitat. Steelhead type holding water. 600 m stream walk with no redds observed. Section of stream has potential CO/BT/ST spawning habitat with the tailout and adjacent to the point side bars. Abundant cover.

Site #883

FDIS Reach Card **Shelagyote River Planning Area**

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

Reach # ILP Map # ILP #
 2.0

PROJECT

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

WATERSHED

Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000
 ILP Map #: ILP #: Reach #: 2.0 NID Map #: 093M.074 NID #: 15753
 Air Photos Names UTM(Zone/East/North/Method)
 LINE: 30BCB92093 Gaz.: SHELAGYOTE RIVER 9.610992.6177392 GIS
 #: 57 Local: Sample Type: R Wetland: ☐

SURVEY INFO

Date: 2001/07/11 Agency: C172 Crew: JH/JA

ATTRIBUTES

Length (km): 14.71 Gradient: 0.6 Setting: VF DISTURBANCE O1 B1 B2 B3 D1 D2 D3
 DS Elev.: 604 Order: 6 Open water: A INDICATORS ☐ ☐ ☐ ☐ ☐ ☐ ☐
 US Elev: 692 Magnitude: 1393 Confinement: OC C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
 BGC Zone: SBS Coupling: PC ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Valley Flat: B C/D: D Islands: N
 Active Floodplain Visible: ☐ Est. Width: Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR
 Channel Pattern: IR Mass Movement: L Exposed/Eroded: NS
 Riparian Veg.: D Landuse: NO

MAPS

Map Type	Map #	Year
TRIM	093M.074	1995
TRIM	093M.065	1990

FDIS Fish Card

Shelagoyote River Planning Area

Reach # ILP Map # ILP #

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

2.0

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagoyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 2 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/08/20

To: 2001/08/20

Agency: C172

Crew: JH/TM/JD/

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
629	093M.065	60029	9 613994 6172469 GPU AG 2	9			C	
904	093M.065	90004	9 616191 6169530 GPU AG 2	6			L	
905	093M.065	90005	9 615355 6170675 GPU AG 1	6			L	
905	093M.065	90005	9 615355 6170675 GPU AG 2	6			L	
906	093M.074	90006	9 611719 6175544 GPU AG 1	6			L	65 cm visibility
906	093M.074	90006	9 611719 6175544 GPU AG 2	6			L	
774	093M.065	22774	9 614307 6171705 GPU AG 1				L	
774	093M.064	22774	9 614307 6171705 GPU AG 2				L	
628	093M.065	60028	9 613840 6172687 GPU AG 1	9			C	
904	093M.065	90004	9 616191 6169530 GPU AG 1	6			L	
629	093M.065	60029	9 613994 6172469 GPU AG 1	9			C	
882	093M.074	80082	9 611716 6175535 GPU AG 1	7				
781	093M.065	22781	9 614315 6171717 GPU AG 1					
781	093M.065	22781	9 614315 6171717 GPU AG 2					
911	093M.065	90011	9 614309 6171708 GPU AG 1				L	
911	093M.065	90011	9 614309 6171708 GPU AG 2				L	
911	093M.065	90011	9 614309 6171708 GPU VO 1				L	
983	093M.074	90083	9 611716 6175563 GPU AG 1	6			C	
984	093M.065	90084	9 615350 6170658 GPU AG 1	6			C	
883	093M.065	80083	9 614362 6171686 GPU AG 1	7				
883	093M.065	80083	9 614362 6171686 GPU AG 2	7				
628	093M.065	60028	9 613840 6172687 GPU AG 2	9			C	

A GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
628	AG 1	1	2001/09/14	14:10	2001/09/14	14:40	
628	AG 2	1	2001/09/14	14:10	2001/09/14	14:40	
629	AG 1	1	2001/09/14	15:00	2001/09/14	16:00	
629	AG 2	1	2001/09/14	15:00	2001/09/14	16:00	
774	AG 1	1	2001/09/14	13:00	2001/09/14	14:30	
774	AG 2	1	2001/09/14	13:00	2001/09/14	14:30	
781	AG 1	1	2002/09/08	13:30	2002/09/08	15:00	
781	AG 2	1	2002/09/08	13:30	2002/09/08	15:00	
882	AG 1	1	2002/09/21	12:30	2002/09/21	12:47	
883	AG 1	1	2002/09/21	13:15	2002/09/21	14:17	
883	AG 2	1	2002/09/21	16:45	2002/09/21	17:00	
904	AG 1	1	2001/08/20	11:30	2001/08/20	12:15	
904	AG 2	1	2001/08/20	11:30	2001/08/20	12:15	
905	AG 1	1	2001/08/20	12:20	2001/08/20	13:05	
905	AG 2	1	2001/08/20	12:20	2001/08/20	13:05	
906	AG 1	1	2001/08/20	13:10	2001/08/20	13:40	
906	AG 2	1	2001/08/20	13:10	2001/08/20	13:40	
911	AG 1	1	2001/08/20	10:15	2001/08/20	12:15	
911	AG 2	1	2001/08/20	10:15	2001/08/20	12:15	
911	VO 1	1	2001/08/20	10:15	2001/08/20	12:15	
983	AG 1	1	2002/09/08	12:40	2002/09/08	13:15	
984	AG 1	1	2002/09/08	13:20	2002/09/08	14:00	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
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FDIS Fish Card

Shelagyte River Planning Area

Reach #

ILP Map #

ILP #

Watershed Code:

480-195700-00000-00000-0000-0000-000-000-000-000-000

2.0

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
628	AG	1	1	NFC		0			
628	AG	2	1	NFC		0			
629	AG	1	1	BT	A	2	570 650	S	
629	AG	2	1	BT	A	1	480 480	S	
774	AG	1	1	BT	A	1	595 595	R	
774	AG	2	1	RB	A	1	400 400	R	
781	AG	1	1	CO	A	4	450 590	R	
781	AG	2	1	BT	A	1	610 610	R	
781	AG	2	1	RB	A	1	410 410	R	
882	AG	1	1	NFC		0			
883	AG	1	1	BT	A	5	510 600	S	
883	AG	1	1	ST	A	2	690 740	R	
883	AG	2	1	BT	A	3	480 574	S	
904	AG	1	1	NFC		0			
904	AG	2	1	NFC		0			
905	AG	1	1	BT	A	1	410 410	R	
905	AG	2	1	NFC		0			
906	AG	1	1	NFC		0			
906	AG	2	1	NFC		0			
911	AG	1	1	BT	A	4	280 450	R	
911	AG	2	1	CO	A	1	630 630	R	
911	AG	2	1	RB	A	1	418 418	R	
911	VO	1	1	CH	A	1	800 800	R	
983	AG	1	1	NFC		0			
984	AG	1	1	CO	A	2	540 650	S	

INDIVIDUAL FISH DATA

Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age	Vch#	Genetic	Roll #	Frame#	Comment
								Str/Smpl#		Str/Smpl#			
905	AG	1	1	BT	410		F	IM	FR	1901 5	91	1	Roll 91 Frames 2, 3, 4 are of the same fish
774	AG	1	1	BT	595		M	ST	FR	7741 8	31	3	Roll 31 Frame 4. Tagged 10225
629	AG	1	1	BT	570		F	ST	FR	62003 8	62	11	
629	AG	1	1	BT	650		M	ST	FR	62004 11	62	12	
629	AG	2	1	BT	480		F	SP	FR	62005 8	62	13	
781	AG	1	1	CO	450		M	U			31	15	
781	AG	1	1	CO	480		M	U			31	16	
781	AG	1	1	CO	550		M	U					
781	AG	2	1	BT	610		M	U			31	17	Not ready to spawn. Tagged 10225
781	AG	2	1	RB	410		M	U			31	18	Roll 31 Frame 19
911	AG	1	1	BT	280		U	U					
911	AG	1	1	BT	430		U	U					Already tagged
911	AG	1	1	BT	450		U	U			41	2	Tagged 10223 Photos Roll 41 Frames 2-4
911	AG	1	1	BT	425		U	U			41	5	Tagged 10224 Photos Roll 41 Frames 5-7
911	AG	2	1	RB	418		U	U			41	8	
911	AG	2	1	CO	630		U	U			41	1	
911	VO	1	1	CH	800		U	U					Lost chinook at beach
984	AG	1	1	CO	540		U	U					
984	AG	1	1	CO	650		U	U					
883	AG	1	1	BT	510		M	SP	FR	2 8			
883	AG	1	1	BT	600		F	SP	FR	1 11			
883	AG	1	1	BT	560		F	ST	FR	3 11			
883	AG	1	1	BT	510		F	M	FR	4 9			
883	AG	1	1	BT	530		M	ST	FR	5 8			
883	AG	1	1	ST	740		U	U					

FDIS Fish Card

Shelagyote River Planning Area

Reach #

ILP Map #

ILP #

Watershed Code:

480-195700-00000-00000-0000-000-000-000-000-000-000

2.0

INDIVIDUAL FISH DATA																	
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment	
								Str/Smpl#	Age			Str/Smpl#					
883	AG	1	1	ST	690		U	U									
883	AG	2	1	BT	480		F	M	FR	450	8						
883	AG	2	1	BT	495		U	U									
883	AG	2	1	BT	574		U	U									
774	AG	2	1	RB	400		U	U									

COMMENTS	
Section	Comments
WATERBODY	Site 629 57/65cm expelled liquid when squeezed-faint trace of milt in male. 48 cm female expressed consistent eggs when squeezed. 57/65 cm fins on males and females showed signs of recent spawning activity-papillae extruding.
WATERBODY	Site 628 No fish caught. Resting/Rearing habitat. Steelhead type holding water. 600 m stream walk with no redds observed. Section of stream has potential CO/BT/ST spawning habitat with the tailout and adjacent to the point side bars. Abundant cover.

Site #884

FDIS Reach Card

Shelagyte River Planning Area

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

Reach # 1.0 ILP Map # ILP #

PROJECT									
Project Name: Shelagyte Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	1.0	NID Map #:	093M.065	NID #:	19113		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92090	Gaz.: SHELAGYTE RIVER			9.616596.6169199 GIS					
#: 215	Local:			Sample Type: B Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 6.11	Gradient: 1	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 543	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev: 604	Magnitude: 1427	Confinement: FC	C1	C2	C3	C4	C5	S1	S2
	BGC Zone: SBS	Coupling: PC						S3	S4
									S5
Valley Flat: B	C/D: D	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IM		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						
MAPS									
Map Type	Map #	Year							
TRIM	093M.065	1990							

FDIS Fish Card

Shelagyote River Planning Area

Watershed Code:

480-195700-00000-00000-0000-000-000-000-000-000

Reach #

ILP Map #

ILP #

1.0

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 1 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/08/20

To: 2001/08/20

Agency: C172

Crew: JH/TM/JD/

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mtd	MTD/NO	Temp	Cond	Turbid	Comment
782	093M.065	22782		GPU VO 1				Lost fish at beach
902	093M.065	90002		GPU AG 1	6		L	
903	093M.065	90003	9 617089 6167848	GPU AG 1	6		L	
903	093M.065	90003	9 617089 6167848	GPU AG 2	6		L	
775	093M.065	22775	9 618289 6166820	GPU AG 1			L	
775	093M.065	22775	9 618289 6166820	GPU AG 2			L	
630	093M.065	60030	9 618500 6165600	GPU AG 1	9		L	
630	093M.065	60030	9 618500 6165600	GPU AG 2	9		L	
901	093M.065	90001		GPU AG 1	6		L	
782	093M.065	22782	9 617471 6167585	GPU AG 2				
923	093M.065	90023	9 618585 6165291	GPU AG 1	6		L	
909	093M.065	90009	9 618694 6166475	GPU AG 1			L	
909	093M.065	90009	9 618694 6166475	GPU AG 2			L	
910	093M.065	90010	9 617471 6167505	GPU AG 1			L	
910	093M.065	90010	9 617471 6167505	GPU AG 2			L	
985	093M.065	90085	9 618078 6166823	GPU AG 1	6		C	
884	093M.065	80084	9 617548 6167624	GPU AG 1	7			
885	093M.065	80085	9 618097 6166830	GPU AG 1	7			
782	093M.065	22782	9 617471 6167585	GPU AG 1				

A GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
630	AG 1	1	2001/09/14	16:15	2001/09/14	17:00	
630	AG 2	1	2001/09/14	16:15	2001/09/14	17:00	
775	AG 1	1	2001/09/14	15:00	2001/09/14	15:50	
775	AG 2	1	2001/09/14	15:00	2001/09/14	15:50	
782	AG 1	1	2002/09/08	15:10	2002/09/08	16:10	
782	AG 2	1	2002/09/08	15:10	2002/09/08	16:10	
782	VO 1	1	2002/09/08	15:10	2002/09/08	16:10	
884	AG 1	1	2002/09/21	14:34	2002/09/21	15:15	
885	AG 1	1	2002/09/21	15:38	2002/09/21	16:37	
901	AG 1	1	2001/08/20	10:15	2001/08/20	10:50	
902	AG 1	1	2001/08/20	10:15	2001/08/20	10:50	
903	AG 1	1	2001/08/20	11:00	2001/08/20	11:20	
903	AG 2	1	2001/08/20	11:00	2001/08/20	11:20	
909	AG 1	1	2001/08/20	09:00	2001/08/20	09:20	
909	AG 2	1	2001/08/20	09:00	2001/08/20	09:20	
910	AG 1	1	2001/08/20	09:30	2001/08/20	10:05	
910	AG 2	1	2001/08/20	09:30	2001/08/20	10:05	
923	AG 1	1	2001/08/20	16:00	2001/08/20	16:20	
985	AG 1	1	2002/09/08	14:10	2002/09/08	15:00	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
630	AG 1	1	NFC			0			
630	AG 2	1	BT	A		1	530 530	R	
775	AG 1	1	CO	A		2	640 660	R	
775	AG 2	1	NFC			0			
782	AG 1	1	NFC			0			
782	AG 2	1	BT	A		1	630 630	R	

FDIS Fish Card

Shelagyte River Planning Area

Watershed Code:

480-195700-00000-00000-0000-000-000-000-000-000

Reach #

ILP Map #

ILP #

1.0

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment
782	VO	1	1	ST	A	1	780	780	R	
884	AG	1	1	CO	A	1	550	550	S	
885	AG	1	1	NFC		0				
901	AG	1	1	CO	A	4+	530	530	R	
902	AG	1	1	NFC		0				
903	AG	1	1	NFC		0				
903	AG	2	1	NFC		0				
909	AG	1	1	NFC		0				
909	AG	2	1	NFC		0				
910	AG	1	1	NFC		0				
910	AG	2	1	NFC		0				
923	AG	1	1	BT	A	2	470	503	R	
985	AG	1	1	BT	A	2	490	520	S	

INDIVIDUAL FISH DATA

Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age		Vch#	Genetic		Roll #	Frame#	Comment
								Str/Smpl#	Age		Str/Smpl#				
901	AG	1	1	CO	530	U	U								
775	AG	1	1	CO	660	M	M								
775	AG	1	1	CO	640	F	M								
630	AG	2	1	BT	530	F	ST	FR	62006	11			62	14	
782	AG	2	1	BT	630	U	U	FR	1782	11			31	20	Roll 31 Frames 21,22
782	VO	1	1	ST	780	U	U								Lost at beach
985	AG	1	1	BT	490	F	M	FR	20	8					
985	AG	1	1	BT	520	U	U								
884	AG	1	1	CO	550	U	U								
923	AG	1	1	BT	470	F	MT	FR	71001	5					
923	AG	1	1	BT	485	M	MT	FR	71002	6					
923	AG	1	1	BT	530	M	MT	FR	71003	8					

COMMENTS

Section	Comments
WATERBODY	BT captured was spent. Snake like morphology with evidence of recent spawning activity-protruding papillae, marked tail, liquid expelled when squeezed.

Site #885

FDIS Reach Card

Shelagyote River Planning Area

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

Reach # 1.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	1.0	NID Map #:	093M.065	NID #:	19113		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92090		Gaz.: SHELAGYOTE RIVER		9.616596.6169199 GIS					
#: 215		Local:		Sample Type: B Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 6.11	Gradient: 1	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 543	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev: 604	Magnitude: 1427	Confinement: FC	☐	☐	☐	☐	☐	☐	☐
	BGC Zone: SBS	Coupling: PC	C1	C2	C3	C4	C5	S1	S2
			☐	☐	☐	☐	☐	☐	☐
Valley Flat: B	C/D: D	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IM		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						
MAPS									
Map Type	Map #	Year							
TRIM	093M.065	1990							

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 1.0
ILP Map #
ILP #

WATERBODY									
Gazetted Name: SHELAGYOTE RIVER					Local: Shelagyote River				
Project Code: 480-000000-00000-00000-0000-0000-000-000-000-000-0									
WS Code: 480-195700-00000-00000-0000-0000-000-000-000-000-000									
Waterbody ID:					ILP Map #:		ILP #:		Reach #: 1 -
Project ID: 1550					Lake/Stream: S		Lake From Date:		

Fish Permit #: 145084K	Date: 2001/08/20	To: 2001/08/20	Agency: C172	Crew: JH/TM/JD/	Resample: ☐
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SITE / METHOD										
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO	Temp	Cond	Turbid	Comment
782	093M.065	22782				GPU VO 1				Lost fish at beach
902	093M.065	90002				GPU AG 1	6		L	
903	093M.065	90003	9	617089	6167848	GPU AG 1	6		L	
903	093M.065	90003	9	617089	6167848	GPU AG 2	6		L	
775	093M.065	22775	9	618289	6166820	GPU AG 1			L	
775	093M.065	22775	9	618289	6166820	GPU AG 2			L	
630	093M.065	60030	9	618500	6165600	GPU AG 1	9		L	
630	093M.065	60030	9	618500	6165600	GPU AG 2	9		L	
901	093M.065	90001				GPU AG 1	6		L	
782	093M.065	22782	9	617471	6167585	GPU AG 2				
923	093M.065	90023	9	618585	6165291	GPU AG 1	6		L	
909	093M.065	90009	9	618694	6166475	GPU AG 1			L	
909	093M.065	90009	9	618694	6166475	GPU AG 2			L	
910	093M.065	90010	9	617471	6167505	GPU AG 1			L	
910	093M.065	90010	9	617471	6167505	GPU AG 2			L	
985	093M.065	90085	9	618078	6166823	GPU AG 1	6		C	
884	093M.065	80084	9	617548	6167624	GPU AG 1	7			
885	093M.065	80085	9	618097	6166830	GPU AG 1	7			
782	093M.065	22782	9	617471	6167585	GPU AG 1				

A. GEAR SETTINGS										
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment			
630	AG 1	1	2001/09/14	16:15	2001/09/14	17:00				
630	AG 2	1	2001/09/14	16:15	2001/09/14	17:00				
775	AG 1	1	2001/09/14	15:00	2001/09/14	15:50				
775	AG 2	1	2001/09/14	15:00	2001/09/14	15:50				
782	AG 1	1	2002/09/08	15:10	2002/09/08	16:10				
782	AG 2	1	2002/09/08	15:10	2002/09/08	16:10				
782	VO	1	2002/09/08	15:10	2002/09/08	16:10				
884	AG 1	1	2002/09/21	14:34	2002/09/21	15:15				
885	AG 1	1	2002/09/21	15:38	2002/09/21	16:37				
901	AG 1	1	2001/08/20	10:15	2001/08/20	10:50				
902	AG 1	1	2001/08/20	10:15	2001/08/20	10:50				
903	AG 1	1	2001/08/20	11:00	2001/08/20	11:20				
903	AG 2	1	2001/08/20	11:00	2001/08/20	11:20				
909	AG 1	1	2001/08/20	09:00	2001/08/20	09:20				
909	AG 2	1	2001/08/20	09:00	2001/08/20	09:20				
910	AG 1	1	2001/08/20	09:30	2001/08/20	10:05				
910	AG 2	1	2001/08/20	09:30	2001/08/20	10:05				
923	AG 1	1	2001/08/20	16:00	2001/08/20	16:20				
985	AG 1	1	2002/09/08	14:10	2002/09/08	15:00				

FISH SUMMARY										
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment	
630	AG	1	1	NFC		0				
630	AG	2	1	BT	A	1	530 530	R		
775	AG	1	1	CO	A	2	640 660	R		
775	AG	2	1	NFC		0				
782	AG	1	1	NFC		0				
782	AG	2	1	BT	A	1	630 630	R		

FDIS Fish Card

Shelagyote River Planning Area

Watershed Code:

480-195700-00000-00000-0000-000-000-000-000-000

Reach #

ILP Map #

ILP #

1.0

FISH SUMMARY											
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment	
782	VO	1	1	ST	A	1	780	780	R		
884	AG	1	1	CO	A	1	550	550	S		
885	AG	1	1	NFC		0					
901	AG	1	1	CO	A	4+	530	530	R		
902	AG	1	1	NFC		0					
903	AG	1	1	NFC		0					
903	AG	2	1	NFC		0					
909	AG	1	1	NFC		0					
909	AG	2	1	NFC		0					
910	AG	1	1	NFC		0					
910	AG	2	1	NFC		0					
923	AG	1	1	BT	A	2	470	503	R		
985	AG	1	1	BT	A	2	490	520	S		

INDIVIDUAL FISH DATA															
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age		Vch#	Genetic		Roll #	Frame#	Comment
								Str/Smpl#	Age		Str/Smpl#				
901	AG	1	1	CO	530		U	U							
775	AG	1	1	CO	660		M	M							
775	AG	1	1	CO	640		F	M							
630	AG	2	1	BT	530		F	ST	FR	62006	11				
782	AG	2	1	BT	630		U	U	FR	1782	11			62	14
782	VO	1	1	ST	780		U	U						31	20
985	AG	1	1	BT	490		F	M	FR	20	8				Roll 31 Frames 21,22
985	AG	1	1	BT	520		U	U							Lost at beach
884	AG	1	1	CO	550		U	U							
923	AG	1	1	BT	470		F	MT	FR	71001	5				
923	AG	1	1	BT	485		M	MT	FR	71002	6				
923	AG	1	1	BT	530		M	MT	FR	71003	8				

COMMENTS	
Section	Comments
WATERBODY	BT captured was spent. Snake like morphology with evidence of recent spawning activity-protruding papillae, marked tail, liquid expelled when squeezed.

Site #901

FDIS Reach Card

Shelagyote River Planning Area

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

Reach # 1.0 ILP Map # ILP #

PROJECT									
Project Name: Shelagyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	1.0	NID Map #:	093M.065	NID #:	19113		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92090	Gaz.: SHELAGYOTE RIVER			9,616596.6169199					
#: 215	Local:			Sample Type: B Wetland: ☐ GIS					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 6.11	Gradient: 1	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 543	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev: 604	Magnitude: 1427	Confinement: FC	☐	☐	☐	☐	☐	☐	☐
BGC Zone: SBS	Coupling: PC		C1	C2	C3	C4	C5	S1	S2
			☐	☐	☐	☐	☐	☐	☐
Valley Flat: B	C/D: D	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IM		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						
MAPS									
Map Type	Map #	Year							
TRIM	093M.065	1990							

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # ILP Map # ILP #
1.0

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 1 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/08/20

To: 2001/08/20

Agency: C172

Crew: JH/TM/JD/

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
782	093M.065	22782		GPU VO 1				Lost fish at beach
902	093M.065	90002		GPU AG 1	6		L	
903	093M.065	90003	9 617089 6167848	GPU AG 1	6		L	
903	093M.065	90003	9 617089 6167848	GPU AG 2	6		L	
775	093M.065	22775	9 618289 6166820	GPU AG 1			L	
775	093M.065	22775	9 618289 6166820	GPU AG 2			L	
630	093M.065	60030	9 618500 6165600	GPU AG 1	9		L	
630	093M.065	60030	9 618500 6165600	GPU AG 2	9		L	
901	093M.065	90001		GPU AG 1	6		L	
782	093M.065	22782	9 617471 6167585	GPU AG 2				
923	093M.065	90023	9 618585 6165291	GPU AG 1	6		L	
909	093M.065	90009	9 618694 6166475	GPU AG 1			L	
909	093M.065	90009	9 618694 6166475	GPU AG 2			L	
910	093M.065	90010	9 617471 6167505	GPU AG 1			L	
910	093M.065	90010	9 617471 6167505	GPU AG 2			L	
985	093M.065	90085	9 618078 6166823	GPU AG 1	6		C	
884	093M.065	80084	9 617548 6167624	GPU AG 1	7			
885	093M.065	80085	9 618097 6166830	GPU AG 1	7			
782	093M.065	22782	9 617471 6167585	GPU AG 1				

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
630	AG 1	1	2001/09/14	16:15	2001/09/14	17:00	
630	AG 2	1	2001/09/14	16:15	2001/09/14	17:00	
775	AG 1	1	2001/09/14	15:00	2001/09/14	15:50	
775	AG 2	1	2001/09/14	15:00	2001/09/14	15:50	
782	AG 1	1	2002/09/08	15:10	2002/09/08	16:10	
782	AG 2	1	2002/09/08	15:10	2002/09/08	16:10	
782	VO 1	1	2002/09/08	15:10	2002/09/08	16:10	
884	AG 1	1	2002/09/21	14:34	2002/09/21	15:15	
885	AG 1	1	2002/09/21	15:38	2002/09/21	16:37	
901	AG 1	1	2001/08/20	10:15	2001/08/20	10:50	
902	AG 1	1	2001/08/20	10:15	2001/08/20	10:50	
903	AG 1	1	2001/08/20	11:00	2001/08/20	11:20	
903	AG 2	1	2001/08/20	11:00	2001/08/20	11:20	
909	AG 1	1	2001/08/20	09:00	2001/08/20	09:20	
909	AG 2	1	2001/08/20	09:00	2001/08/20	09:20	
910	AG 1	1	2001/08/20	09:30	2001/08/20	10:05	
910	AG 2	1	2001/08/20	09:30	2001/08/20	10:05	
923	AG 1	1	2001/08/20	16:00	2001/08/20	16:20	
985	AG 1	1	2002/09/08	14:10	2002/09/08	15:00	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
630	AG 1	1	NFC			0			
630	AG 2	1	BT	A		1	530 530	R	
775	AG 1	1	CO	A		2	640 660	R	
775	AG 2	1	NFC			0			
782	AG 1	1	NFC			0			
782	AG 2	1	BT	A		1	630 630	R	

FDIS Fish Card

Shelagyote River Planning Area

Watershed Code:

480-195700-00000-00000-0000-000-000-000-000-000-000

Reach #

ILP Map #

ILP #

1.0

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment
782	VO	1	1	ST	A	1	780	780	R	
884	AG	1	1	CO	A	1	550	550	S	
885	AG	1	1	NFC		0				
901	AG	1	1	CO	A	4+	530	530	R	
902	AG	1	1	NFC		0				
903	AG	1	1	NFC		0				
903	AG	2	1	NFC		0				
909	AG	1	1	NFC		0				
909	AG	2	1	NFC		0				
910	AG	1	1	NFC		0				
910	AG	2	1	NFC		0				
923	AG	1	1	BT	A	2	470	503	R	
985	AG	1	1	BT	A	2	490	520	S	

INDIVIDUAL FISH DATA

Site#	MTD/NO		H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment
									Str/Smpl#	Age			Str/Smpl#				
901	AG	1	1	CO	530		U	U									
775	AG	1	1	CO	660		M	M									
775	AG	1	1	CO	640		F	M									
630	AG	2	1	BT	530		F	ST	FR	62006	11				62	14	
782	AG	2	1	BT	630		U	U	FR	1782	11				31	20	Roll 31 Frames 21,22
782	VO	1	1	ST	780		U	U									Lost at beach
985	AG	1	1	BT	490		F	M	FR	20	8						
985	AG	1	1	BT	520		U	U									
884	AG	1	1	CO	550		U	U									
923	AG	1	1	BT	470		F	MT	FR	71001	5						
923	AG	1	1	BT	485		M	MT	FR	71002	6						
923	AG	1	1	BT	530		M	MT	FR	71003	8						

COMMENTS

Section	Comments
WATERBODY	BT captured was spent. Snake like morphology with evidence of recent spawning activity-protruding papillae, marked tail, liquid expelled when squeezed.

Site #902

FDIS Reach Card

Shelagyte River Planning Area

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

Reach # 1.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagyte Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	1.0	NID Map #:	093M.065	NID #:	19113		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92090	Gaz.: SHELAGYTE RIVER			9.616596.6169199 GIS					
#: 215	Local:			Sample Type: B Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 6.11	Gradient: 1	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 543	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev: 604	Magnitude: 1427	Confinement: FC	☐	☐	☐	☐	☐	☐	☐
	BGC Zone: SBS	Coupling: PC	C1	C2	C3	C4	C5	S1	S2
			☐	☐	☐	☐	☐	☐	☐
Valley Flat: B	C/D: D	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IM		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						
MAPS									
Map Type	Map #	Year							
TRIM	093M.065	1990							

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 1.0
ILP Map #
ILP #

WATERBODY									
Gazetted Name: SHELAGYOTE RIVER					Local: Shelagyote River				
Project Code: 480-000000-00000-00000-0000-000-000-000-000-000-0									
WS Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
Waterbody ID:					ILP Map #:		ILP #:		Reach #: 1 -
Project ID: 1550					Lake/Stream: S		Lake From Date:		
Fish Permit #: 145084K		Date: 2001/08/20		To: 2001/08/20		Agency: C172		Crew: JH/TM/JD/ Resample: ☐	

SITE / METHOD											
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO		Temp	Cond	Turbid	Comment
782	093M.065	22782				GPU	VO	1			Lost fish at beach
902	093M.065	90002				GPU	AG	1	6	L	
903	093M.065	90003	9	617089	6167848	GPU	AG	1	6	L	
903	093M.065	90003	9	617089	6167848	GPU	AG	2	6	L	
775	093M.065	22775	9	618289	6166820	GPU	AG	1		L	
775	093M.065	22775	9	618289	6166820	GPU	AG	2		L	
630	093M.065	60030	9	618500	6165600	GPU	AG	1	9	L	
630	093M.065	60030	9	618500	6165600	GPU	AG	2	9	L	
901	093M.065	90001				GPU	AG	1	6	L	
782	093M.065	22782	9	617471	6167585	GPU	AG	2			
923	093M.065	90023	9	618585	6165291	GPU	AG	1	6	L	
909	093M.065	90009	9	618694	6166475	GPU	AG	1		L	
909	093M.065	90009	9	618694	6166475	GPU	AG	2		L	
910	093M.065	90010	9	617471	6167505	GPU	AG	1		L	
910	093M.065	90010	9	617471	6167505	GPU	AG	2		L	
985	093M.065	90085	9	618078	6166823	GPU	AG	1	6	C	
884	093M.065	80084	9	617548	6167624	GPU	AG	1	7		
885	093M.065	80085	9	618097	6166830	GPU	AG	1	7		
782	093M.065	22782	9	617471	6167585	GPU	AG	1			

A. GEAR SETTINGS									
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment		
630	AG 1	1	2001/09/14	16:15	2001/09/14	17:00			
630	AG 2	1	2001/09/14	16:15	2001/09/14	17:00			
775	AG 1	1	2001/09/14	15:00	2001/09/14	15:50			
775	AG 2	1	2001/09/14	15:00	2001/09/14	15:50			
782	AG 1	1	2002/09/08	15:10	2002/09/08	16:10			
782	AG 2	1	2002/09/08	15:10	2002/09/08	16:10			
782	VO 1	1	2002/09/08	15:10	2002/09/08	16:10			
884	AG 1	1	2002/09/21	14:34	2002/09/21	15:15			
885	AG 1	1	2002/09/21	15:38	2002/09/21	16:37			
901	AG 1	1	2001/08/20	10:15	2001/08/20	10:50			
902	AG 1	1	2001/08/20	10:15	2001/08/20	10:50			
903	AG 1	1	2001/08/20	11:00	2001/08/20	11:20			
903	AG 2	1	2001/08/20	11:00	2001/08/20	11:20			
909	AG 1	1	2001/08/20	09:00	2001/08/20	09:20			
909	AG 2	1	2001/08/20	09:00	2001/08/20	09:20			
910	AG 1	1	2001/08/20	09:30	2001/08/20	10:05			
910	AG 2	1	2001/08/20	09:30	2001/08/20	10:05			
923	AG 1	1	2001/08/20	16:00	2001/08/20	16:20			
985	AG 1	1	2002/09/08	14:10	2002/09/08	15:00			

FISH SUMMARY									
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
630	AG 1	1	NFC			0			
630	AG 2	1	BT	A		1	530 530	R	
775	AG 1	1	CO	A		2	640 660	R	
775	AG 2	1	NFC			0			
782	AG 1	1	NFC			0			
782	AG 2	1	BT	A		1	630 630	R	

FDIS Fish Card

Shelagyte River Planning Area

Watershed Code:

480-195700-00000-00000-0000-0000-000-000-000-000-000

Reach #

ILP Map #

ILP #

1.0

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
782	VO	1	1	ST	A	1	780 780	R	
884	AG	1	1	CO	A	1	550 550	S	
885	AG	1	1	NFC		0			
901	AG	1	1	CO	A	4+	530 530	R	
902	AG	1	1	NFC		0			
903	AG	1	1	NFC		0			
903	AG	2	1	NFC		0			
909	AG	1	1	NFC		0			
909	AG	2	1	NFC		0			
910	AG	1	1	NFC		0			
910	AG	2	1	NFC		0			
923	AG	1	1	BT	A	2	470 503	R	
985	AG	1	1	BT	A	2	490 520	S	

INDIVIDUAL FISH DATA

Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age	Vch#	Genetic	Roll #	Frame#	Comment
								Str/Smpl#/Age		Str/Smpl#			
901	AG	1	1	CO	530	U	U						
775	AG	1	1	CO	660	M	M						
775	AG	1	1	CO	640	F	M						
630	AG	2	1	BT	530	F	ST	FR 62006	11		62	14	
782	AG	2	1	BT	630	U	U	FR 1782	11		31	20	Roll 31 Frames 21,22
782	VO	1	1	ST	780	U	U						Lost at beach
985	AG	1	1	BT	490	F	M	FR 20	8				
985	AG	1	1	BT	520	U	U						
884	AG	1	1	CO	550	U	U						
923	AG	1	1	BT	470	F	MT	FR 71001	5				
923	AG	1	1	BT	485	M	MT	FR 71002	6				
923	AG	1	1	BT	530	M	MT	FR 71003	8				

COMMENTS

Section	Comments
WATERBODY	BT captured was spent. Snake like morphology with evidence of recent spawning activity-protruding papillae, marked tail, liquid expelled when squeezed.

Site #903

FDIS Reach Card

Shelagoyote River Planning Area

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

Reach # 1.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagoyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:		ILP #:		Reach #:		1.0		NID Map #: 093M.065	
Air Photos				Names				NID #: 19113	
LINE: 30BCB92090		Gaz.: SHELAGYOTE RIVER		UTM(Zone/East/North/Method)		9.616596.6169199		GIS	
#: 215		Local:		Sample Type: B		Wetland: ☐			
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 6.11		Gradient: 1		Setting: VF		DISTURBANCE INDICATORS			
DS Elev.: 543		Order: 6		Open water: A		☐ O1 ☐ B1 ☐ B2 ☐ B3 ☐ D1 ☐ D2 ☐ D3			
US Elev.: 604		Magnitude: 1427		Confinement: FC		☐ C1 ☐ C2 ☐ C3 ☐ C4 ☐ C5 ☐ S1 ☐ S2 ☐ S3 ☐ S4 ☐ S5			
		BGC Zone: SBS		Coupling: PC		☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐			
Valley Flat: B		C/D: D		Islands: N					
Active Floodplain Visible: ☐		Est. Width:		Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR					
Channel Pattern: IM				Mass Movement: L		Exposed/Eroded: NS			
				Riparian Veg.: D		Landuse: NO			
MAPS									
Map Type	Map #	Year							
TRIM	093M.065	1990							

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 1.0
ILP Map #
ILP #

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 1 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/08/20

To: 2001/08/20

Agency: C172

Crew: JH/TM/JD/

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO	Temp	Cond	Turbid	Comment
782	093M.065	22782				GPU VO 1				Lost fish at beach
902	093M.065	90002				GPU AG 1	6		L	
903	093M.065	90003	9	617089	6167848	GPU AG 1	6		L	
903	093M.065	90003	9	617089	6167848	GPU AG 2	6		L	
775	093M.065	22775	9	618289	6166820	GPU AG 1			L	
775	093M.065	22775	9	618289	6166820	GPU AG 2			L	
630	093M.065	60030	9	618500	6165600	GPU AG 1	9		L	
630	093M.065	60030	9	618500	6165600	GPU AG 2	9		L	
901	093M.065	90001				GPU AG 1	6		L	
782	093M.065	22782	9	617471	6167585	GPU AG 2				
923	093M.065	90023	9	618585	6165291	GPU AG 1	6		L	
909	093M.065	90009	9	618694	6166475	GPU AG 1			L	
909	093M.065	90009	9	618694	6166475	GPU AG 2			L	
910	093M.065	90010	9	617471	6167505	GPU AG 1			L	
910	093M.065	90010	9	617471	6167505	GPU AG 2			L	
985	093M.065	90085	9	618078	6166823	GPU AG 1	6		C	
884	093M.065	80084	9	617548	6167624	GPU AG 1	7			
885	093M.065	80085	9	618097	6166830	GPU AG 1	7			
782	093M.065	22782	9	617471	6167585	GPU AG 1				

A GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
630	AG 1	1	2001/09/14	16:15	2001/09/14	17:00	
630	AG 2	1	2001/09/14	16:15	2001/09/14	17:00	
775	AG 1	1	2001/09/14	15:00	2001/09/14	15:50	
775	AG 2	1	2001/09/14	15:00	2001/09/14	15:50	
782	AG 1	1	2002/09/08	15:10	2002/09/08	16:10	
782	AG 2	1	2002/09/08	15:10	2002/09/08	16:10	
782	VO 1	1	2002/09/08	15:10	2002/09/08	16:10	
884	AG 1	1	2002/09/21	14:34	2002/09/21	15:15	
885	AG 1	1	2002/09/21	15:38	2002/09/21	16:37	
901	AG 1	1	2001/08/20	10:15	2001/08/20	10:50	
902	AG 1	1	2001/08/20	10:15	2001/08/20	10:50	
903	AG 1	1	2001/08/20	11:00	2001/08/20	11:20	
903	AG 2	1	2001/08/20	11:00	2001/08/20	11:20	
909	AG 1	1	2001/08/20	09:00	2001/08/20	09:20	
909	AG 2	1	2001/08/20	09:00	2001/08/20	09:20	
910	AG 1	1	2001/08/20	09:30	2001/08/20	10:05	
910	AG 2	1	2001/08/20	09:30	2001/08/20	10:05	
923	AG 1	1	2001/08/20	16:00	2001/08/20	16:20	
985	AG 1	1	2002/09/08	14:10	2002/09/08	15:00	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
630	AG 1	1	NFC			0			
630	AG 2	1	BT	A		1	530 530	R	
775	AG 1	1	CO	A		2	640 660	R	
775	AG 2	1	NFC			0			
782	AG 1	1	NFC			0			
782	AG 2	1	BT	A		1	630 630	R	

FDIS Fish Card

Shelagoyte River Planning Area

Watershed Code:

480-195700-00000-00000-0000-000-000-000-000-000-000

Reach #

ILP Map #

ILP #

1.0

FISH SUMMARY												
Site#	MTD/NO		H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment	
782	VO	1	1	ST	A		1	780	780	R		
884	AG	1	1	CO	A		1	550	550	S		
885	AG	1	1	NFC			0					
901	AG	1	1	CO	A	4+	1	530	530	R		
902	AG	1	1	NFC			0					
903	AG	1	1	NFC			0					
903	AG	2	1	NFC			0					
909	AG	1	1	NFC			0					
909	AG	2	1	NFC			0					
910	AG	1	1	NFC			0					
910	AG	2	1	NFC			0					
923	AG	1	1	BT	A		2	470	503	R		
985	AG	1	1	BT	A		2	490	520	S		

INDIVIDUAL FISH DATA															
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age		Vch#	Genetic		Roll #	Frame#	Comment
								Str/Smpl#	Age		Str/Smpl#				
901	AG	1	1	CO	530	U	U								
775	AG	1	1	CO	660	M	M								
775	AG	1	1	CO	640	F	M								
630	AG	2	1	BT	530	F	ST	FR	62006	11			62	14	
782	AG	2	1	BT	630	U	U	FR	1782	11			31	20	Roll 31 Frames 21,22
782	VO	1	1	ST	780	U	U								Lost at beach
985	AG	1	1	BT	490	F	M	FR	20	8					
985	AG	1	1	BT	520	U	U								
884	AG	1	1	CO	550	U	U								
923	AG	1	1	BT	470	F	MT	FR	71001	5					
923	AG	1	1	BT	485	M	MT	FR	71002	6					
923	AG	1	1	BT	530	M	MT	FR	71003	8					

COMMENTS	
Section	Comments
WATERBODY	BT captured was spent. Snake like morphology with evidence of recent spawning activity-protruding papillae, marked tail, liquid expelled when squeezed.

Site #904

FDIS Reach Card

Shelagyte River Planning Area

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

Reach # 2.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagyte Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	2.0	NID Map #:	093M.074	NID #:	15753		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92093	Gaz.: SHELAGYTE RIVER			9.610992.6177392 GIS					
#: 57	Local:			Sample Type: R Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 14.71	Gradient: 0.6	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 604	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev.: 692	Magnitude: 1393	Confinement: OC	C1	C2	C3	C4	C5	S1	S2
	BGC Zone: SBS	Coupling: PC						S3	S4
									S5
Valley Flat: B	C/D: D	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IR		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						

MAPS		
Map Type	Map #	Year
TRIM	093M.074	1995
TRIM	093M.065	1990

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # ILP Map # ILP #
2.0

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 2 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/08/20

To: 2001/08/20

Agency: C172

Crew: JH/TM/JD/

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
629	093M.065	60029	9 613994 6172469 GPU	AG 2	9		C	
904	093M.065	90004	9 616191 6169530 GPU	AG 2	6		L	
905	093M.065	90005	9 615355 6170675 GPU	AG 1	6		L	
905	093M.065	90005	9 615355 6170675 GPU	AG 2	6		L	
906	093M.074	90006	9 611719 6175544 GPU	AG 1	6		L	65 cm visibility
906	093M.074	90006	9 611719 6175544 GPU	AG 2	6		L	
774	093M.065	22774	9 614307 6171705 GPU	AG 1			L	
774	093M.064	22774	9 614307 6171705 GPU	AG 2			L	
628	093M.065	60028	9 613840 6172687 GPU	AG 1	9		C	
904	093M.065	90004	9 616191 6169530 GPU	AG 1	6		L	
629	093M.065	60029	9 613994 6172469 GPU	AG 1	9		C	
882	093M.074	80082	9 611716 6175535 GPU	AG 1	7			
781	093M.065	22781	9 614315 6171717 GPU	AG 1				
781	093M.065	22781	9 614315 6171717 GPU	AG 2				
911	093M.065	90011	9 614309 6171708 GPU	AG 1			L	
911	093M.065	90011	9 614309 6171708 GPU	AG 2			L	
911	093M.065	90011	9 614309 6171708 GPU	VO 1			L	
983	093M.074	90083	9 611716 6175563 GPU	AG 1	6		C	
984	093M.065	90084	9 615350 6170658 GPU	AG 1	6		C	
883	093M.065	80083	9 614362 6171686 GPU	AG 1	7			
883	093M.065	80083	9 614362 6171686 GPU	AG 2	7			
628	093M.065	60028	9 613840 6172687 GPU	AG 2	9		C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
628	AG 1	1	2001/09/14	14:10	2001/09/14	14:40	
628	AG 2	1	2001/09/14	14:10	2001/09/14	14:40	
629	AG 1	1	2001/09/14	15:00	2001/09/14	16:00	
629	AG 2	1	2001/09/14	15:00	2001/09/14	16:00	
774	AG 1	1	2001/09/14	13:00	2001/09/14	14:30	
774	AG 2	1	2001/09/14	13:00	2001/09/14	14:30	
781	AG 1	1	2002/09/08	13:30	2002/09/08	15:00	
781	AG 2	1	2002/09/08	13:30	2002/09/08	15:00	
882	AG 1	1	2002/09/21	12:30	2002/09/21	12:47	
883	AG 1	1	2002/09/21	13:15	2002/09/21	14:17	
883	AG 2	1	2002/09/21	16:45	2002/09/21	17:00	
904	AG 1	1	2001/08/20	11:30	2001/08/20	12:15	
904	AG 2	1	2001/08/20	11:30	2001/08/20	12:15	
905	AG 1	1	2001/08/20	12:20	2001/08/20	13:05	
905	AG 2	1	2001/08/20	12:20	2001/08/20	13:05	
906	AG 1	1	2001/08/20	13:10	2001/08/20	13:40	
906	AG 2	1	2001/08/20	13:10	2001/08/20	13:40	
911	AG 1	1	2001/08/20	10:15	2001/08/20	12:15	
911	AG 2	1	2001/08/20	10:15	2001/08/20	12:15	
911	VO 1	1	2001/08/20	10:15	2001/08/20	12:15	
983	AG 1	1	2002/09/08	12:40	2002/09/08	13:15	
984	AG 1	1	2002/09/08	13:20	2002/09/08	14:00	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
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FDIS Fish Card

Shelagyte River Planning Area

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

Reach #

ILP Map #

ILP #

2.0

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
628	AG	1	1	NFC		0			
628	AG	2	1	NFC		0			
629	AG	1	1	BT	A	2	570 650	S	
629	AG	2	1	BT	A	1	480 480	S	
774	AG	1	1	BT	A	1	595 595	R	
774	AG	2	1	RB	A	1	400 400	R	
781	AG	1	1	CO	A	4	450 590	R	
781	AG	2	1	BT	A	1	610 610	R	
781	AG	2	1	RB	A	1	410 410	R	
882	AG	1	1	NFC		0			
883	AG	1	1	BT	A	5	510 600	S	
883	AG	1	1	ST	A	2	690 740	R	
883	AG	2	1	BT	A	3	480 574	S	
904	AG	1	1	NFC		0			
904	AG	2	1	NFC		0			
905	AG	1	1	BT	A	1	410 410	R	
905	AG	2	1	NFC		0			
906	AG	1	1	NFC		0			
906	AG	2	1	NFC		0			
911	AG	1	1	BT	A	4	280 450	R	
911	AG	2	1	CO	A	1	630 630	R	
911	AG	2	1	RB	A	1	418 418	R	
911	VO	1	1	CH	A	1	800 800	R	
983	AG	1	1	NFC		0			
984	AG	1	1	CO	A	2	540 650	S	

INDIVIDUAL FISH DATA

Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age	Vch#	Genetic	Roll #	Frame#	Comment
								Str/Smpl#		Str/Smpl#			
905	AG	1	1	BT	410		F	IM	FR	1901	5		
774	AG	1	1	BT	595		M	ST	FR	7741	8		
629	AG	1	1	BT	570		F	ST	FR	62003	8		
629	AG	1	1	BT	650		M	ST	FR	62004	11		
629	AG	2	1	BT	480		F	SP	FR	62005	8		
781	AG	1	1	CO	450		M	U					
781	AG	1	1	CO	480		M	U					
781	AG	1	1	CO	590		M	U					
781	AG	1	1	CO	550		M	U					
781	AG	2	1	BT	610		M	U					
781	AG	2	1	RB	410		M	U					
911	AG	1	1	BT	280		U	U					
911	AG	1	1	BT	430		U	U					
911	AG	1	1	BT	450		U	U					
911	AG	1	1	BT	425		U	U					
911	AG	2	1	RB	418		U	U					
911	AG	2	1	CO	630		U	U					
911	VO	1	1	CH	800		U	U					
984	AG	1	1	CO	540		U	U					
984	AG	1	1	CO	650		U	U					
883	AG	1	1	BT	510		M	SP	FR	2	8		
883	AG	1	1	BT	600		F	SP	FR	1	11		
883	AG	1	1	BT	560		F	ST	FR	3	11		
883	AG	1	1	BT	510		F	M	FR	4	9		
883	AG	1	1	BT	530		M	ST	FR	5	8		
883	AG	1	1	ST	740		U	U					

FDIS Fish Card

Shelagyote River Planning Area

Reach # ILP Map # ILP #

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

2.0

INDIVIDUAL FISH DATA																	
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment	
								Str/Smpl#	Age			Str/Smpl#					
883	AG	1	1	ST	690		U	U									
883	AG	2	1	BT	480		F	M	FR	450	8						
883	AG	2	1	BT	495		U	U									
883	AG	2	1	BT	574		U	U									
774	AG	2	1	RB	400		U	U									

COMMENTS	
Section	Comments
WATERBODY	Site 629 57/65cm expelled liquid when squeezed-faint trace of milt in male. 48 cm female expressed consistent eggs when squeezed. 57/65 cm fins on males and females showed signs of recent spawning activity-papillae extruding.
WATERBODY	Site 628 No fish caught. Resting/Rearing habitat. Steelhead type holding water. 600 m stream walk with no redds observed. Section of stream has potential CO/BT/ST spawning habitat with the tailout and adjacent to the point side bars. Abundant cover.

Site #905

FDIS Reach Card

Shelagyote River Planning Area

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

Reach # 2.0
ILP Map #
ILP #

PROJECT

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

Project Code: 1550

WATERSHED

Reach Watershed Code: 480-195700-00000-00000-0000-0000-000-000-000-000-000
ILP Map #: Air Photos
LINE: 30BCB92093
#: 57
ILP #: Names
Gaz.: SHELAGYOTE RIVER
Local:
Reach #: 2.0
NID Map #: 093M.074
NID #: 15753
UTM(Zone/East/North/Method)
9.610992.6177392 | GIS
Sample Type: R Wetland: ☐

SURVEY INFO

Date: 2001/07/11
Agency: C172
Crew: JH/JA

ATTRIBUTES

Length (km): 14.71
DS Elev.: 604
US Elev.: 692
Valley Flat: B
Active Floodplain Visible: ☐
Channel Pattern: IR
Gradient: 0.6
Order: 6
Magnitude: 1393
BGC Zone: SBS
C/D: D
Est. Width:
Setting: VF
Open water: A
Confinement: OC
Coupling: PC
DISTURBANCE INDICATORS
O1 B1 B2 B3 D1 D2 D3
☐ ☐ ☐ ☐ ☐ ☐ ☐
C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Islands: N
Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR
Mass Movement: L
Riparian Veg.: D
Exposed/Eroded: NS
Landuse: NO

MAPS

Map Type	Map #	Year
TRIM	093M.074	1995
TRIM	093M.065	1990

FDIS Fish Card

Shelagyte River Planning Area

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

Reach # ILP Map # ILP #
2.0

WATERBODY

Gazetted Name: SHELAGYTE RIVER Local: Shelagyte River
Project Code: 480-000000-00000-00000-0000-000-000-000-000-000-0
WS Code: 480-195700-00000-00000-0000-000-000-000-000-000-000
Waterbody ID: ILP Map #: ILP #: Reach #: 2 -
Project ID: 1550 Lake/Stream: S Lake From Date:

Fish Permit #: 145084K Date: 2001/08/20 To: 2001/08/20 Agency: C172 Crew: JH/TM/JD/ Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
629	093M.065	60029	9 613994 6172469 GPU	AG 2	9		C	
904	093M.065	90004	9 616191 6169530 GPU	AG 2	6		L	
905	093M.065	90005	9 615355 6170675 GPU	AG 1	6		L	
905	093M.065	90005	9 615355 6170675 GPU	AG 2	6		L	
906	093M.074	90006	9 611719 6175544 GPU	AG 1	6		L	65 cm visibility
906	093M.074	90006	9 611719 6175544 GPU	AG 2	6		L	
774	093M.065	22774	9 614307 6171705 GPU	AG 1			L	
774	093M.064	22774	9 614307 6171705 GPU	AG 2			L	
628	093M.065	60028	9 613840 6172687 GPU	AG 1	9		C	
904	093M.065	90004	9 616191 6169530 GPU	AG 1	6		L	
629	093M.065	60029	9 613994 6172469 GPU	AG 1	9		C	
882	093M.074	80082	9 611716 6175535 GPU	AG 1	7			
781	093M.065	22781	9 614315 6171717 GPU	AG 1				
781	093M.065	22781	9 614315 6171717 GPU	AG 2				
911	093M.065	90011	9 614309 6171708 GPU	AG 1			L	
911	093M.065	90011	9 614309 6171708 GPU	AG 2			L	
911	093M.065	90011	9 614309 6171708 GPU	VO 1			L	
983	093M.074	90083	9 611716 6175563 GPU	AG 1	6		C	
984	093M.065	90084	9 615350 6170658 GPU	AG 1	6		C	
883	093M.065	80083	9 614362 6171686 GPU	AG 1	7			
883	093M.065	80083	9 614362 6171686 GPU	AG 2	7			
628	093M.065	60028	9 613840 6172687 GPU	AG 2	9		C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
628	AG 1	1	2001/09/14	14:10	2001/09/14	14:40	
628	AG 2	1	2001/09/14	14:10	2001/09/14	14:40	
629	AG 1	1	2001/09/14	15:00	2001/09/14	16:00	
629	AG 2	1	2001/09/14	15:00	2001/09/14	16:00	
774	AG 1	1	2001/09/14	13:00	2001/09/14	14:30	
774	AG 2	1	2001/09/14	13:00	2001/09/14	14:30	
781	AG 1	1	2002/09/08	13:30	2002/09/08	15:00	
781	AG 2	1	2002/09/08	13:30	2002/09/08	15:00	
882	AG 1	1	2002/09/21	12:30	2002/09/21	12:47	
883	AG 1	1	2002/09/21	13:15	2002/09/21	14:17	
883	AG 2	1	2002/09/21	16:45	2002/09/21	17:00	
904	AG 1	1	2001/08/20	11:30	2001/08/20	12:15	
904	AG 2	1	2001/08/20	11:30	2001/08/20	12:15	
905	AG 1	1	2001/08/20	12:20	2001/08/20	13:05	
905	AG 2	1	2001/08/20	12:20	2001/08/20	13:05	
906	AG 1	1	2001/08/20	13:10	2001/08/20	13:40	
906	AG 2	1	2001/08/20	13:10	2001/08/20	13:40	
911	AG 1	1	2001/08/20	10:15	2001/08/20	12:15	
911	AG 2	1	2001/08/20	10:15	2001/08/20	12:15	
911	VO 1	1	2001/08/20	10:15	2001/08/20	12:15	
983	AG 1	1	2002/09/08	12:40	2002/09/08	13:15	
984	AG 1	1	2002/09/08	13:20	2002/09/08	14:00	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
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FDIS Fish Card

Shelagyte River Planning Area

Reach # ILP Map # ILP #

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

2.0

FISH SUMMARY																
Site#	MTD/NO		H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment					
628	AG	1	1	NFC			0									
628	AG	2	1	NFC			0									
629	AG	1	1	BT	A		2	570	650	S						
629	AG	2	1	BT	A		1	480	480	S						
774	AG	1	1	BT	A		1	595	595	R						
774	AG	2	1	RB	A		1	400	400	R						
781	AG	1	1	CO	A		4	450	590	R						
781	AG	2	1	BT	A		1	610	610	R						
781	AG	2	1	RB	A		1	410	410	R						
882	AG	1	1	NFC			0									
883	AG	1	1	BT	A		5	510	600	S						
883	AG	1	1	ST	A		2	690	740	R						
883	AG	2	1	BT	A		3	480	574	S						
904	AG	1	1	NFC			0									
904	AG	2	1	NFC			0									
905	AG	1	1	BT	A		1	410	410	R						
905	AG	2	1	NFC			0									
906	AG	1	1	NFC			0									
906	AG	2	1	NFC			0									
911	AG	1	1	BT	A		4	280	450	R						
911	AG	2	1	CO	A		1	630	630	R						
911	AG	2	1	RB	A		1	418	418	R						
911	VO	1	1	CH	A		1	800	800	R						
983	AG	1	1	NFC			0									
984	AG	1	1	CO	A		2	540	650	S						
INDIVIDUAL FISH DATA																
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment
								Str/Smpl#	Age			Str/Smpl#				
905	AG	1	1	BT	410		F	IM	FR	1901	5			91	1	Roll 91 Frames 2, 3, 4 are of the same fish
774	AG	1	1	BT	595		M	ST	FR	7741	8			31	3	
629	AG	1	1	BT	570		F	ST	FR	62003	8			62	11	Not ready to spawn. Tagged 10225
629	AG	1	1	BT	650		M	ST	FR	62004	11			62	12	
629	AG	2	1	BT	480		F	SP	FR	62005	8			62	13	
781	AG	1	1	CO	450		M	U								
781	AG	1	1	CO	480		M	U					31	15		
781	AG	1	1	CO	590		M	U					31	16		
781	AG	1	1	CO	550		M	U								
781	AG	2	1	BT	610		M	U					31	17		
781	AG	2	1	RB	410		M	U					31	18	Roll 31 Frame 19	
911	AG	1	1	BT	280		U	U								Already tagged
911	AG	1	1	BT	430		U	U								
911	AG	1	1	BT	450		U	U					41	2	Tagged 10223 Photos Roll 41 Frames 2-4	
911	AG	1	1	BT	425		U	U					41	5	Tagged 10224 Photos Roll 41 Frames 5-7	
911	AG	2	1	RB	418		U	U					41	8		
911	AG	2	1	CO	630		U	U					41	1		
911	VO	1	1	CH	800		U	U							Lost chinook at beach	
984	AG	1	1	CO	540		U	U								
984	AG	1	1	CO	650		U	U								
883	AG	1	1	BT	510		M	SP	FR	2	8					
883	AG	1	1	BT	600		F	SP	FR	1	11					
883	AG	1	1	BT	560		F	ST	FR	3	11					
883	AG	1	1	BT	510		F	M	FR	4	9					
883	AG	1	1	BT	530		M	ST	FR	5	8					
883	AG	1	1	ST	740		U	U								

Shelagyote River Planning Area

ILP #

2.0

INDIVIDUAL FISH DATA																		
Site#	MTD/NO		H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment	
									Str/Smpl#	Age			Str/Smpl#					
883	AG	1	1	ST	690		U	U										
883	AG	2	1	BT	480		F	M	FR	450	8							
883	AG	2	1	BT	495		U	U										
883	AG	2	1	BT	574		U	U										
774	AG	2	1	RB	400		U	U										
COMMENTS																		
Section					Comments													
WATERBODY					Site 629 57/65cm expelled liquid when squeezed-faint trace of milt in male. 48 cm female expressed consistant eggs when squeezed. 57/65 cm fins on males and females showed signs of recent spawning activity-papillae extruding.													
WATERBODY					Site 628 No fish caught. Restling/Rearing habitat. Steelhead type holding water. 600 m stream walk with no redds observed. Section of stream has potential CO/BT/ST spawning habitat with the tailout and adjacent to the point side bars. Abundant cover.													

Site #906

FDIS Reach Card

Shelagyote River Planning Area

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

Reach # 2.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	2.0	NID Map #:	093M.074	NID #:	15753		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92093		Gaz.: SHELAGYOTE RIVER		9.610992.6177392 GIS					
#: 57		Local:		Sample Type: R Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 14.71	Gradient: 0.6	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 604	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev.: 692	Magnitude: 1393	Confinement: OC	☐	☐	☐	☐	☐	☐	☐
	BGC Zone: SBS	Coupling: PC	C1	C2	C3	C4	C5	S1	S2
			☐	☐	☐	☐	☐	☐	☐
Valley Flat: B	C/D: D	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IR		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						

MAPS		
Map Type	Map #	Year
TRIM	093M.074	1995
TRIM	093M.065	1990

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # ILP Map # ILP #
2.0

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 2 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/08/20

To: 2001/08/20

Agency: C172

Crew: JH/TM/JD/

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd		MTD/NO	Temp	Cond	Turbid	Comment
629	093M.065	60029	9	613994	6172469	GPU AG 2	9		C
904	093M.065	90004	9	616191	6169530	GPU AG 2	6		L
905	093M.065	90005	9	615355	6170675	GPU AG 1	6		L
905	093M.065	90005	9	615355	6170675	GPU AG 2	6		L
906	093M.074	90006	9	611719	6175544	GPU AG 1	6		L
906	093M.074	90006	9	611719	6175544	GPU AG 2	6		L
774	093M.065	22774	9	614307	6171705	GPU AG 1			L
774	093M.064	22774	9	614307	6171705	GPU AG 2			L
628	093M.065	60028	9	613840	6172687	GPU AG 1	9		C
904	093M.065	90004	9	616191	6169530	GPU AG 1	6		L
629	093M.065	60029	9	613994	6172469	GPU AG 1	9		C
882	093M.074	80082	9	611716	6175535	GPU AG 1	7		
781	093M.065	22781	9	614315	6171717	GPU AG 1			
781	093M.065	22781	9	614315	6171717	GPU AG 2			
911	093M.065	90011	9	614309	6171708	GPU AG 1			L
911	093M.065	90011	9	614309	6171708	GPU AG 2			L
911	093M.065	90011	9	614309	6171708	GPU VO 1			L
983	093M.074	90083	9	611716	6175563	GPU AG 1	6		C
984	093M.065	90084	9	615350	6170658	GPU AG 1	6		C
883	093M.065	80083	9	614362	6171686	GPU AG 1	7		
883	093M.065	80083	9	614362	6171686	GPU AG 2	7		
628	093M.065	60028	9	613840	6172687	GPU AG 2	9		C

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
628	AG 1	1	2001/09/14	14:10	2001/09/14	14:40	
628	AG 2	1	2001/09/14	14:10	2001/09/14	14:40	
629	AG 1	1	2001/09/14	15:00	2001/09/14	16:00	
629	AG 2	1	2001/09/14	15:00	2001/09/14	16:00	
774	AG 1	1	2001/09/14	13:00	2001/09/14	14:30	
774	AG 2	1	2001/09/14	13:00	2001/09/14	14:30	
781	AG 1	1	2002/09/08	13:30	2002/09/08	15:00	
781	AG 2	1	2002/09/08	13:30	2002/09/08	15:00	
882	AG 1	1	2002/09/21	12:30	2002/09/21	12:47	
883	AG 1	1	2002/09/21	13:15	2002/09/21	14:17	
883	AG 2	1	2002/09/21	16:45	2002/09/21	17:00	
904	AG 1	1	2001/08/20	11:30	2001/08/20	12:15	
904	AG 2	1	2001/08/20	11:30	2001/08/20	12:15	
905	AG 1	1	2001/08/20	12:20	2001/08/20	13:05	
905	AG 2	1	2001/08/20	12:20	2001/08/20	13:05	
906	AG 1	1	2001/08/20	13:10	2001/08/20	13:40	
906	AG 2	1	2001/08/20	13:10	2001/08/20	13:40	
911	AG 1	1	2001/08/20	10:15	2001/08/20	12:15	
911	AG 2	1	2001/08/20	10:15	2001/08/20	12:15	
911	VO 1	1	2001/08/20	10:15	2001/08/20	12:15	
983	AG 1	1	2002/09/08	12:40	2002/09/08	13:15	
984	AG 1	1	2002/09/08	13:20	2002/09/08	14:00	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
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FDIS Fish Card

Shelagoyote River Planning Area

Reach #

ILP Map #

ILP #

Watershed Code:

480-195700-00000-00000-0000-000-000-000-000-000-000

2.0

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment
628	AG	1	1	NFC		0				
628	AG	2	1	NFC		0				
629	AG	1	1	BT	A	2	570	650	S	
629	AG	2	1	BT	A	1	480	480	S	
774	AG	1	1	BT	A	1	595	595	R	
774	AG	2	1	RB	A	1	400	400	R	
781	AG	1	1	CO	A	4	450	590	R	
781	AG	2	1	BT	A	1	610	610	R	
781	AG	2	1	RB	A	1	410	410	R	
882	AG	1	1	NFC		0				
883	AG	1	1	BT	A	5	510	600	S	
883	AG	1	1	ST	A	2	690	740	R	
883	AG	2	1	BT	A	3	480	574	S	
904	AG	1	1	NFC		0				
904	AG	2	1	NFC		0				
905	AG	1	1	BT	A	1	410	410	R	
905	AG	2	1	NFC		0				
906	AG	1	1	NFC		0				
906	AG	2	1	NFC		0				
911	AG	1	1	BT	A	4	280	450	R	
911	AG	2	1	CO	A	1	630	630	R	
911	AG	2	1	RB	A	1	418	418	R	
911	VO	1	1	CH	A	1	800	800	R	
983	AG	1	1	NFC		0				
984	AG	1	1	CO	A	2	540	650	S	

INDIVIDUAL FISH DATA

Site#	MTD/NO		H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment
									Str/Smpl#	Age	Str/Smpl#						
905	AG	1	1	BT	410		F	IM	FR	1901	5				91	1	Roll 91 Frames 2, 3, 4 are of the same fish
774	AG	1	1	BT	595		M	ST	FR	7741	8				31	3	Roll 31 Frame 4. Tagged 10225
629	AG	1	1	BT	570		F	ST	FR	62003	8				62	11	
629	AG	1	1	BT	650		M	ST	FR	62004	11				62	12	
629	AG	2	1	BT	480		F	SP	FR	62005	8				62	13	
781	AG	1	1	CO	450		M	U									
781	AG	1	1	CO	480		M	U							31	15	
781	AG	1	1	CO	590		M	U							31	16	
781	AG	1	1	CO	550		M	U									
781	AG	2	1	BT	610		M	U							31	17	Not ready to spawn. Tagged 10225
781	AG	2	1	RB	410		M	U							31	18	Roll 31 Frame 19
911	AG	1	1	BT	280		U	U									
911	AG	1	1	BT	430		U	U									Already tagged
911	AG	1	1	BT	450		U	U							41	2	Tagged 10223 Photos Roll 41 Frames 2-4
911	AG	1	1	BT	425		U	U							41	5	Tagged 10224 Photos Roll 41 Frames 5-7
911	AG	2	1	RB	418		U	U							41	8	
911	AG	2	1	CO	630		U	U							41	1	
911	VO	1	1	CH	800		U	U									Lost chinook at beach
984	AG	1	1	CO	540		U	U									
984	AG	1	1	CO	650		U	U									
883	AG	1	1	BT	510		M	SP	FR	2	8						
883	AG	1	1	BT	600		F	SP	FR	1	11						
883	AG	1	1	BT	560		F	ST	FR	3	11						
883	AG	1	1	BT	510		F	M	FR	4	9						
883	AG	1	1	BT	530		M	ST	FR	5	8						
883	AG	1	1	ST	740		U	U									

FDIS Fish Card

Shelagyte River Planning Area

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

Reach # ILP Map # ILP #
2.0

INDIVIDUAL FISH DATA																		
Site#	MTD/NO		H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment	
									Str/Smpl#	Age	Str/Smpl#							
883	AG	1	1	ST	690		U	U										
883	AG	2	1	BT	480		F	M	FR	450	8							
883	AG	2	1	BT	495		U	U										
883	AG	2	1	BT	574		U	U										
774	AG	2	1	RB	400		U	U										

COMMENTS	
Section	Comments
WATERBODY	Site 629 57/65cm expelled liquid when squeezed-faint trace of milt in male. 48 cm female expressed consistent eggs when squeezed. 57/65 cm fins on males and females showed signs of recent spawning activity-papillae extruding.
WATERBODY	Site 628 No fish caught. Resting/Rearing habitat. Steelhead type holding water. 600 m stream walk with no redds observed. Section of stream has potential CO/BT/ST spawning habitat with the tailout and adjacent to the point side bars. Abundant cover.

FDIS Reach Card

Shelagyote River Planning Area

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

Reach # 3.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-0000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-0000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	3.0	NID Map #:	093M.074	NID #:	15438		
Air Photos	Names			UTM(Zone/East/North/Method)					
LINE: 30BCB92050	Gaz.: SHELAGYOTE RIVER			9.610363.6180021 GIS					
#: 107	Local:			Sample Type: B Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 2.44	Gradient: 1.15	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 692	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev: 720	Magnitude: 1213	Confinement: UN	C1	C2	C3	C4	C5	S1	S2
BGC Zone: SBS	Coupling: PC							S3	S4
Valley Flat: L	C/D: C	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: ME		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						
MAPS									
Map Type	Map #	Year							
TRIM	093M.074	1995							

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 3.0
ILP Map #
ILP #

WATERBODY												
Gazetted Name: SHELAGYOTE RIVER						Local: Shelagyote River						
Project Code: 480-000000-00000-00000-0000-000-000-000-000-000-0												
WS Code: 480-195700-00000-00000-0000-000-000-000-000-000-000												
Waterbody ID:			ILP Map #:			ILP #:			Reach #:			3 -
Project ID: 1550						Lake/Stream: S			Lake From Date:			
Fish Permit #:		145084K		Date: 2001/08/20		To: 2001/08/20		Agency: C172		Crew: JH/TM		Resample: ☐
SITE / METHOD												
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO	Temp	Cond	Turbid	Comment	
907	093M.074	90007	9	610718	6178442	GPU	AG 2	6		L		
907	093M.074	90007	9	610718	6178442	GPU	AG 1	6		L		
A. GEAR SETTINGS												
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment					
907	AG 1	1	2001/08/20	13:50	2001/08/20	14:25						
907	AG 2	1	2001/08/20	13:50	2001/08/20	14:25						
FISH SUMMARY												
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment			
907	AG 1	1	NFC			0						
907	AG 2	1	NFC			0						

Site #909

FDIS Reach Card

Shelagoyote River Planning Area

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

Reach # 1.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagoyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	1.0	NID Map #:	093M.065	NID #:	19113		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92090		Gaz.: SHELAGYOTE RIVER		9.616596.6169199 GIS					
#: 215		Local:		Sample Type: B Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 6.11	Gradient: 1	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 543	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev.: 604	Magnitude: 1427	Confinement: FC	C1	C2	C3	C4	C5	S1	S2
	BGC Zone: SBS	Coupling: PC						S3	S4
Valley Flat: B	C/D: D	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IM		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						

MAPS		
Map Type	Map #	Year
TRIM	093M.065	1990

FDIS Fish Card

Shelagyote River Planning Area

Reach # ILP Map # ILP #

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

1.0

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 1 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/08/20

To: 2001/08/20

Agency: C172

Crew: JH/TM/JD/

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/VMthd	MTD/NO	Temp	Cond	Turbid	Comment
782	093M.065	22782		GPU VO 1				Lost fish at beach
902	093M.065	90002		GPU AG 1	6		L	
903	093M.065	90003	9 617089 6167848	GPU AG 1	6		L	
903	093M.065	90003	9 617089 6167848	GPU AG 2	6		L	
775	093M.065	22775	9 618289 6166820	GPU AG 1			L	
775	093M.065	22775	9 618289 6166820	GPU AG 2			L	
630	093M.065	60030	9 618500 6165600	GPU AG 1	9		L	
630	093M.065	60030	9 618500 6165600	GPU AG 2	9		L	
901	093M.065	90001		GPU AG 1	6		L	
782	093M.065	22782	9 617471 6167585	GPU AG 2				
923	093M.065	90023	9 618585 6165291	GPU AG 1	6		L	
909	093M.065	90009	9 618694 6166475	GPU AG 1			L	
909	093M.065	90009	9 618694 6166475	GPU AG 2			L	
910	093M.065	90010	9 617471 6167505	GPU AG 1			L	
910	093M.065	90010	9 617471 6167505	GPU AG 2			L	
985	093M.065	90085	9 618078 6166823	GPU AG 1	6		C	
884	093M.065	80084	9 617548 6167624	GPU AG 1	7			
885	093M.065	80085	9 618097 6166830	GPU AG 1	7			
782	093M.065	22782	9 617471 6167585	GPU AG 1				

A GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
630	AG 1	1	2001/09/14	16:15	2001/09/14	17:00	
630	AG 2	1	2001/09/14	16:15	2001/09/14	17:00	
775	AG 1	1	2001/09/14	15:00	2001/09/14	15:50	
775	AG 2	1	2001/09/14	15:00	2001/09/14	15:50	
782	AG 1	1	2002/09/08	15:10	2002/09/08	16:10	
782	AG 2	1	2002/09/08	15:10	2002/09/08	16:10	
782	VO 1	1	2002/09/08	15:10	2002/09/08	16:10	
884	AG 1	1	2002/09/21	14:34	2002/09/21	15:15	
885	AG 1	1	2002/09/21	15:38	2002/09/21	16:37	
901	AG 1	1	2001/08/20	10:15	2001/08/20	10:50	
902	AG 1	1	2001/08/20	10:15	2001/08/20	10:50	
903	AG 1	1	2001/08/20	11:00	2001/08/20	11:20	
903	AG 2	1	2001/08/20	11:00	2001/08/20	11:20	
909	AG 1	1	2001/08/20	09:00	2001/08/20	09:20	
909	AG 2	1	2001/08/20	09:00	2001/08/20	09:20	
910	AG 1	1	2001/08/20	09:30	2001/08/20	10:05	
910	AG 2	1	2001/08/20	09:30	2001/08/20	10:05	
923	AG 1	1	2001/08/20	16:00	2001/08/20	16:20	
985	AG 1	1	2002/09/08	14:10	2002/09/08	15:00	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
630	AG 1	1	NFC			0			
630	AG 2	1	BT	A		1	530 530	R	
775	AG 1	1	CO	A		2	640 660	R	
775	AG 2	1	NFC			0			
782	AG 1	1	NFC			0			
782	AG 2	1	BT	A		1	630 630	R	

FDIS Fish Card

Shelagoyote River Planning Area

Watershed Code:

480-195700-00000-00000-0000-000-000-000-000-000-000

Reach #

ILP Map #

ILP #

1.0

FISH SUMMARY												
Site#	MTD/NO		H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment	
782	VO	1	1	ST	A		1	780	780	R		
884	AG	1	1	CO	A		1	550	550	S		
885	AG	1	1	NFC			0					
901	AG	1	1	CO	A	4+	1	530	530	R		
902	AG	1	1	NFC			0					
903	AG	1	1	NFC			0					
903	AG	2	1	NFC			0					
909	AG	1	1	NFC			0					
909	AG	2	1	NFC			0					
910	AG	1	1	NFC			0					
910	AG	2	1	NFC			0					
923	AG	1	1	BT	A		2	470	503	R		
985	AG	1	1	BT	A		2	490	520	S		

INDIVIDUAL FISH DATA															
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age		Vch#	Genetic		Roll #	Frame#	Comment
								Str/Smpl#	Age		Str/Smpl#				
901	AG	1	1	CO	530	U	U								
775	AG	1	1	CO	660	M	M								
775	AG	1	1	CO	640	F	M								
630	AG	2	1	BT	530	F	ST	FR	62006	11			62	14	
782	AG	2	1	BT	630	U	U	FR	1782	11			31	20	Roll 31 Frames 21,22
782	VO	1	1	ST	780	U	U								Lost at beach
985	AG	1	1	BT	490	F	M	FR	20	8					
985	AG	1	1	BT	520	U	U								
884	AG	1	1	CO	550	U	U								
923	AG	1	1	BT	470	F	MT	FR	71001	5					
923	AG	1	1	BT	485	M	MT	FR	71002	6					
923	AG	1	1	BT	530	M	MT	FR	71003	8					

COMMENTS	
Section	Comments
WATERBODY	BT captured was spent. Snake like morphology with evidence of recent spawning activity-protruding papillae, marked tail, liquid expelled when squeezed.

Site #910

FDIS Reach Card

Shelagyote River Planning Area

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

Reach # 1.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	1.0	NID Map #:	093M.065	NID #:	19113		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92090	Gaz.: SHELAGYOTE RIVER			9.616596.6169199 GIS					
#: 215	Local:			Sample Type: B Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 6.11	Gradient: 1	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 543	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev.: 604	Magnitude: 1427	Confinement: FC	C1	C2	C3	C4	C5	S1	S2
	BGC Zone: SBS	Coupling: PC						S3	S4
Valley Flat: B	C/D: D							S5	
Active Floodplain Visible: ☐	Est. Width:	Islands: N							
Channel Pattern: IM		Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						
MAPS									
Map Type	Map #	Year							
TRIM	093M.065	1990							

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # ILP Map # ILP #
1.0

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 1 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/08/20

To: 2001/08/20

Agency: C172

Crew: JH/TM/JD/

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
782	093M.065	22782		GPU VO 1				Lost fish at beach
902	093M.065	90002		GPU AG 1	6		L	
903	093M.065	90003	9 617089 6167848	GPU AG 1	6		L	
903	093M.065	90003	9 617089 6167848	GPU AG 2	6		L	
775	093M.065	22775	9 618289 6166820	GPU AG 1			L	
775	093M.065	22775	9 618289 6166820	GPU AG 2			L	
630	093M.065	60030	9 618500 6165600	GPU AG 1	9		L	
630	093M.065	60030	9 618500 6165600	GPU AG 2	9		L	
901	093M.065	90001		GPU AG 1	6		L	
782	093M.065	22782	9 617471 6167585	GPU AG 2				
923	093M.065	90023	9 618585 6165291	GPU AG 1	6		L	
909	093M.065	90009	9 618694 6166475	GPU AG 1			L	
909	093M.065	90009	9 618694 6166475	GPU AG 2			L	
910	093M.065	90010	9 617471 6167505	GPU AG 1			L	
910	093M.065	90010	9 617471 6167505	GPU AG 2			L	
985	093M.065	90085	9 618078 6166823	GPU AG 1	6		C	
884	093M.065	80084	9 617548 6167624	GPU AG 1	7			
885	093M.065	80085	9 618097 6166830	GPU AG 1	7			
782	093M.065	22782	9 617471 6167585	GPU AG 1				

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
630	AG 1	1	2001/09/14	16:15	2001/09/14	17:00	
630	AG 2	1	2001/09/14	16:15	2001/09/14	17:00	
775	AG 1	1	2001/09/14	15:00	2001/09/14	15:50	
775	AG 2	1	2001/09/14	15:00	2001/09/14	15:50	
782	AG 1	1	2002/09/08	15:10	2002/09/08	16:10	
782	AG 2	1	2002/09/08	15:10	2002/09/08	16:10	
782	VO 1	1	2002/09/08	15:10	2002/09/08	16:10	
884	AG 1	1	2002/09/21	14:34	2002/09/21	15:15	
885	AG 1	1	2002/09/21	15:38	2002/09/21	16:37	
901	AG 1	1	2001/08/20	10:15	2001/08/20	10:50	
902	AG 1	1	2001/08/20	10:15	2001/08/20	10:50	
903	AG 1	1	2001/08/20	11:00	2001/08/20	11:20	
903	AG 2	1	2001/08/20	11:00	2001/08/20	11:20	
909	AG 1	1	2001/08/20	09:00	2001/08/20	09:20	
909	AG 2	1	2001/08/20	09:00	2001/08/20	09:20	
910	AG 1	1	2001/08/20	09:30	2001/08/20	10:05	
910	AG 2	1	2001/08/20	09:30	2001/08/20	10:05	
923	AG 1	1	2001/08/20	16:00	2001/08/20	16:20	
985	AG 1	1	2002/09/08	14:10	2002/09/08	15:00	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
630	AG 1	1	NFC			0			
630	AG 2	1	BT	A		1	530 530	R	
775	AG 1	1	CO	A		2	640 660	R	
775	AG 2	1	NFC			0			
782	AG 1	1	NFC			0			
782	AG 2	1	BT	A		1	630 630	R	

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 1.0
ILP Map #
ILP #

FISH SUMMARY											
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment	
782	VO	1	1	ST	A	1	780	780	R		
884	AG	1	1	CO	A	1	550	550	S		
885	AG	1	1	NFC		0					
901	AG	1	1	CO	A	4+	530	530	R		
902	AG	1	1	NFC		0					
903	AG	1	1	NFC		0					
903	AG	2	1	NFC		0					
909	AG	1	1	NFC		0					
909	AG	2	1	NFC		0					
910	AG	1	1	NFC		0					
910	AG	2	1	NFC		0					
923	AG	1	1	BT	A	2	470	503	R		
985	AG	1	1	BT	A	2	490	520	S		

INDIVIDUAL FISH DATA															
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age		Vch#	Genetic		Roll #	Frame#	Comment
								Str/Smpl#	Age		Str/Smpl#				
901	AG	1	1	CO	530	U	U								
775	AG	1	1	CO	660	M	M								
775	AG	1	1	CO	640	F	M								
630	AG	2	1	BT	530	F	ST	FR	62006	11			62	14	
782	AG	2	1	BT	630	U	U	FR	1782	11			31	20	Roll 31 Frames 21,22
782	VO	1	1	ST	780	U	U								Lost at beach
985	AG	1	1	BT	490	F	M	FR	20	8					
985	AG	1	1	BT	520	U	U								
884	AG	1	1	CO	550	U	U								
923	AG	1	1	BT	470	F	MT	FR	71001	5					
923	AG	1	1	BT	485	M	MT	FR	71002	6					
923	AG	1	1	BT	530	M	MT	FR	71003	8					

COMMENTS	
Section	Comments
WATERBODY	BT captured was spent. Snake like morphology with evidence of recent spawning activity-protruding papillae, marked tail, liquid expelled when squeezed.

Site #911

FDIS Reach Card

Shelagyote River Planning Area

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

Reach # ILP Map # ILP #
2.0

PROJECT									
Project Name: Shelagyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	2.0	NID Map #:	093M.074	NID #:	15753		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92093		Gaz.: SHELAGYOTE RIVER		9.610992.6177392 GIS					
#: 57		Local:		Sample Type: R Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 14.71	Gradient: 0.6	Setting: VF	DISTURBANCE O1 B1 B2 B3 D1 D2 D3						
DS Elev.: 604	Order: 6	Open water: A	INDICATORS ☐ ☐ ☐ ☐ ☐ ☐ ☐						
US Elev: 692	Magnitude: 1393	Confinement: OC	C1 C2 C3 C4 C5	S1 S2 S3 S4 S5					
	BGC Zone: SBS	Coupling: PC	☐ ☐ ☐ ☐ ☐	☐ ☐ ☐ ☐ ☐					
Valley Flat: B	C/D: D	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IR		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						

MAPS		
Map Type	Map #	Year
TRIM	093M.074	1995
TRIM	093M.065	1990

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 2.0
ILP Map #
ILP #

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 2 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/08/20

To: 2001/08/20

Agency: C172

Crew: JH/TM/JD/

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
629	093M.065	60029	9 613994 6172469 GPU	AG 2	9		C	
904	093M.065	90004	9 616191 6169530 GPU	AG 2	6		L	
905	093M.065	90005	9 615355 6170675 GPU	AG 1	6		L	
905	093M.065	90005	9 615355 6170675 GPU	AG 2	6		L	
906	093M.074	90006	9 611719 6175544 GPU	AG 1	6		L	65 cm visibility
906	093M.074	90006	9 611719 6175544 GPU	AG 2	6		L	
774	093M.065	22774	9 614307 6171705 GPU	AG 1			L	
774	093M.064	22774	9 614307 6171705 GPU	AG 2			L	
628	093M.065	60028	9 613840 6172687 GPU	AG 1	9		C	
904	093M.065	90004	9 616191 6169530 GPU	AG 1	6		L	
629	093M.065	60029	9 613994 6172469 GPU	AG 1	9		C	
882	093M.074	80082	9 611716 6175535 GPU	AG 1	7			
781	093M.065	22781	9 614315 6171717 GPU	AG 1				
781	093M.065	22781	9 614315 6171717 GPU	AG 2				
911	093M.065	90011	9 614309 6171708 GPU	AG 1			L	
911	093M.065	90011	9 614309 6171708 GPU	AG 2			L	
911	093M.065	90011	9 614309 6171708 GPU	VO 1			L	
983	093M.074	90083	9 611716 6175563 GPU	AG 1	6		C	
984	093M.065	90084	9 615350 6170658 GPU	AG 1	6		C	
883	093M.065	80083	9 614362 6171686 GPU	AG 1	7			
883	093M.065	80083	9 614362 6171686 GPU	AG 2	7			
628	093M.065	60028	9 613840 6172687 GPU	AG 2	9		C	

A GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
628	AG 1	1	2001/09/14	14:10	2001/09/14	14:40	
628	AG 2	1	2001/09/14	14:10	2001/09/14	14:40	
629	AG 1	1	2001/09/14	15:00	2001/09/14	16:00	
629	AG 2	1	2001/09/14	15:00	2001/09/14	16:00	
774	AG 1	1	2001/09/14	13:00	2001/09/14	14:30	
774	AG 2	1	2001/09/14	13:00	2001/09/14	14:30	
781	AG 1	1	2002/09/08	13:30	2002/09/08	15:00	
781	AG 2	1	2002/09/08	13:30	2002/09/08	15:00	
882	AG 1	1	2002/09/21	12:30	2002/09/21	12:47	
883	AG 1	1	2002/09/21	13:15	2002/09/21	14:17	
883	AG 2	1	2002/09/21	16:45	2002/09/21	17:00	
904	AG 1	1	2001/08/20	11:30	2001/08/20	12:15	
904	AG 2	1	2001/08/20	11:30	2001/08/20	12:15	
905	AG 1	1	2001/08/20	12:20	2001/08/20	13:05	
905	AG 2	1	2001/08/20	12:20	2001/08/20	13:05	
906	AG 1	1	2001/08/20	13:10	2001/08/20	13:40	
906	AG 2	1	2001/08/20	13:10	2001/08/20	13:40	
911	AG 1	1	2001/08/20	10:15	2001/08/20	12:15	
911	AG 2	1	2001/08/20	10:15	2001/08/20	12:15	
911	VO 1	1	2001/08/20	10:15	2001/08/20	12:15	
983	AG 1	1	2002/09/08	12:40	2002/09/08	13:15	
984	AG 1	1	2002/09/08	13:20	2002/09/08	14:00	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
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FDIS Fish Card

Shelagyte River Planning Area

Watershed Code:

480-195700-00000-00000-0000-0000-000-000-000-000-000

Reach #

ILP Map #

ILP #

2.0

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
628	AG	1	1	NFC		0			
628	AG	2	1	NFC		0			
629	AG	1	1	BT	A	2	570 650	S	
629	AG	2	1	BT	A	1	480 480	S	
774	AG	1	1	BT	A	1	595 595	R	
774	AG	2	1	RB	A	1	400 400	R	
781	AG	1	1	CO	A	4	450 590	R	
781	AG	2	1	BT	A	1	610 610	R	
781	AG	2	1	RB	A	1	410 410	R	
882	AG	1	1	NFC		0			
883	AG	1	1	BT	A	5	510 600	S	
883	AG	1	1	ST	A	2	690 740	R	
883	AG	2	1	BT	A	3	480 574	S	
904	AG	1	1	NFC		0			
904	AG	2	1	NFC		0			
905	AG	1	1	BT	A	1	410 410	R	
905	AG	2	1	NFC		0			
906	AG	1	1	NFC		0			
906	AG	2	1	NFC		0			
911	AG	1	1	BT	A	4	280 450	R	
911	AG	2	1	CO	A	1	630 630	R	
911	AG	2	1	RB	A	1	418 418	R	
911	VO	1	1	CH	A	1	800 800	R	
983	AG	1	1	NFC		0			
984	AG	1	1	CO	A	2	540 650	S	

INDIVIDUAL FISH DATA

Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age Str/Smpl#Age	Vch#	Genetic Str/Smpl#	Roll #	Frame#	Comment
905	AG	1	1	BT	410		F	IM	FR	1901 5	91	1	Roll 91 Frames 2, 3, 4 are of the same fish
774	AG	1	1	BT	595		M	ST	FR	7741 8	31	3	Roll 31 Frame 4. Tagged 10225
629	AG	1	1	BT	570		F	ST	FR	62003 8	62	11	
629	AG	1	1	BT	650		M	ST	FR	62004 11	62	12	
629	AG	2	1	BT	480		F	SP	FR	62005 8	62	13	
781	AG	1	1	CO	450		M	U					
781	AG	1	1	CO	480		M	U			31	15	
781	AG	1	1	CO	590		M	U			31	16	
781	AG	1	1	CO	550		M	U					
781	AG	2	1	BT	610		M	U			31	17	Not ready to spawn. Tagged 10225
781	AG	2	1	RB	410		M	U			31	18	Roll 31 Frame 19
911	AG	1	1	BT	280		U	U					
911	AG	1	1	BT	430		U	U					
911	AG	1	1	BT	450		U	U			41	2	Already tagged
911	AG	1	1	BT	425		U	U			41	5	Tagged 10223 Photos Roll 41 Frames 2-4
911	AG	2	1	RB	418		U	U			41	8	Tagged 10224 Photos Roll 41 Frames 5-7
911	AG	2	1	CO	630		U	U			41	1	
911	VO	1	1	CH	800		U	U					
984	AG	1	1	CO	540		U	U					Lost chinook at beach
984	AG	1	1	CO	650		U	U					
883	AG	1	1	BT	510		M	SP	FR	2 8			
883	AG	1	1	BT	600		F	SP	FR	1 11			
883	AG	1	1	BT	560		F	ST	FR	3 11			
883	AG	1	1	BT	510		F	M	FR	4 9			
883	AG	1	1	BT	530		M	ST	FR	5 8			
883	AG	1	1	ST	740		U	U					

FDIS Fish Card

Shelagyte River Planning Area

Watershed Code:

480-195700-00000-00000-0000-000-000-000-000-000-000

Reach #

ILP Map #

ILP #

2.0

INDIVIDUAL FISH DATA																	
Site#	MTD/NO		H/P	Species	Length	Weight	Sex	Mat	Age		Vch#	Genetic		Roll #	Frame#	Comment	
									Str/Smpl#	Age		Str/Smpl#					
883	AG	1	1	ST	690		U	U									
883	AG	2	1	BT	480		F	M	FR	450	8						
883	AG	2	1	BT	495		U	U									
883	AG	2	1	BT	574		U	U									
774	AG	2	1	RB	400		U	U									

COMMENTS	
Section	Comments
WATERBODY	Site 629 57/65cm expelled liquid when squeezed-faint trace of milt in male. 48 cm female expressed consistent eggs when squeezed. 57/65 cm fins on males and females showed signs of recent spawning activity-papillae extruding.
WATERBODY	Site 628 No fish caught. Resting/Rearing habitat. Steelhead type holding water. 600 m stream walk with no redds observed. Section of stream has potential CO/BT/ST spawning habitat with the tailout and adjacent to the point side bars. Abundant cover.

Site #912

FDIS Reach Card

Shelagyte River Planning Area

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

Reach # 4.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagyte Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	4.0	NID Map #:	093M.074	NID #:	15437		
Air Photos	Names			UTM(Zone/East/North/Method)					
LINE: 30BCB92119	Gaz.: SHELAGYTE RIVER			9.607478.6184546 GIS					
#: 135	Local:			Sample Type: B Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 7.38	Gradient: 0.58	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 720	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev.: 763	Magnitude: 1151	Confinement: OC	C1	C2	C3	C4	C5	S1	S2
	BGC Zone: ESSF	Coupling: DC						S3	S4
Valley Flat: B	C/D: C								
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IR		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						
MAPS									
Map Type	Map #	Year							
TRIM	093M.074	1995							

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # ILP Map # ILP #
4.0

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 4 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/09/14

To: 2001/09/14

Agency: C172

Crew: JH/RT

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
881	093M.074	80081	9 607713 6183691 GPU	AG 1	7			
982	093M.074	90082	9 607549 6184502 GPU	AG 1	6		C	
912	093M.074	90012	9 607725 6183683 GPU	AG 2			L	
912	093M.074	90012	9 607725 6183683 GPU	AG 1			L	
780	093M.074	22780	9 607692 6183387 GPU	AG 2				
780	093M.074	22780	9 607692 6183387 GPU	AG 1				
779	093M.074	22779	9 607642 6183390 GPU	AG 2				
779	093M.074	22779	9 607642 6183390 GPU	AG 1				
678	093M.074	22678	9 607730 6183688 GPU	AG 2				
678	093M.074	22678	9 607730 6183688 GPU	AG 1				
627	093M.074	60027	9 607729 6183691 GPU	AG 2	9		C	
627	093M.074	60027	9 607729 6183691 GPU	AG 1	9		C	
626	093M.074	60026	9 607549 6184502 GPU	AG 2	9		C	
626	093M.074	60026	9 607549 6184502 GPU	AG 1	9		C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
626	AG 1	1	2001/09/14	13:00	2001/09/14	13:30	
626	AG 2	1	2001/09/14	13:00	2001/09/14	13:30	
627	AG 1	1	2001/09/14	13:50	2001/09/14	14:10	
627	AG 2	1	2001/09/14	13:50	2001/09/14	14:10	
678	AG 1	1	2002/09/08	12:15	2002/09/08	12:30	
678	AG 2	1	2002/09/08	12:15	2002/09/08	12:30	
779	AG 1	1	2002/09/08	12:35	2002/09/08	12:45	
779	AG 2	1	2002/09/08	12:35	2002/09/08	12:45	
780	AG 1	1	2002/09/08	12:50	2002/09/08	13:10	
780	AG 2	1	2002/09/08	12:50	2002/09/08	13:10	
881	AG 1	1	2002/09/21	12:00	2002/09/21	12:17	
912	AG 1	1	2001/08/20	12:30	2001/08/20	12:50	
912	AG 2	1	2001/08/20	12:30	2001/08/20	12:50	
982	AG 1	1	2002/09/08	12:05	2002/09/08	12:35	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
626	AG	1	BT	A		1	520 520	S	
626	AG	2	BT	A		1	560 560	S	
627	AG	1	NFC			0			
627	AG	2	NFC			0			
678	AG	1	NFC			0			
678	AG	2	NFC			0			
779	AG	1	NFC			0			
779	AG	2	BT	A		1	290 290	R	
780	AG	1	NFC			0			
780	AG	2	NFC			0			
881	AG	1	NFC			0			
912	AG	1	NFC			0			
912	AG	2	NFC			0			
982	AG	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#			

Shelagyote River Planning Area

ILP #

[illegible]

Section	Comments
WATERBODY	Site 627 No fish caught. Toilet bowl. Potential staging. Deep tank approx. 3 m deep
WATERBODY	Site 626 Both fish were still quite firm and obviously not spawned out.
WATERBODY	Site 626 BT have been captured at this location on three separate occasions. No redds observed. Fish expressed eggs when squeezed or handled slightly. Tail was slightly marked and pappilae was not protruding.

FDIS Reach Card

Shelagyte River Planning Area

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

Reach # 5.0 ILP Map # ILP #

PROJECT									
Project Name: Shelagyte Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	5.0	NID Map #:	093M.094	NID #:	11057		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92073	Gaz.: SHELAGYTE RIVER			9.605771.6198037 GIS					
#: 131	Local:			Sample Type: B Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 5.20	Gradient: 2.23	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 763	Order: 5	Open water: P	O1	B1	B2	B3	D1	D2	D3
US Elev: 879	Magnitude: 989	Confinement: OC	C1	C2	C3	C4	C5	S1	S2
	BGC Zone: SBS	Coupling: PC						S3	S4
Valley Flat: B	C/D: D	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IR		Mass Movement: M	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						

MAPS		
Map Type	Map #	Year
TRIM	093M.084	1995
TRIM	093M.094	1995

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 5.0
ILP Map #
ILP #

WATERBODY											
Gazetted Name: SHELAGYOTE RIVER						Local: Shelagyote River					
Project Code: 480-000000-00000-00000-0000-000-000-000-000-000-0											
WS Code: 480-195700-00000-00000-0000-000-000-000-000-000-000											
Waterbody ID:				ILP Map #:		ILP #:		Reach #:		5 -	
Project ID: 1550				Lake/Stream: S				Lake From Date:			
Fish Permit #:		145084K		Date: 2001/08/14		To: 2001/08/14		Agency: C172		Crew: JD/DF	
Resample: ☐											
SITE / METHOD											
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO	Temp	Cond	Turbid	Comment	
913	093M.084	90013	9	607355	6193736	GPU AG 2			L		
913	093M.084	90013	9	607355	6193736	GPU AG 1			L		
772	093M.084	22772	9	607355	6193736	GPU AG 2			C		
772	093M.084	22772	9	607355	6193736	GPU AG 1			C	Over 1 m of visibility	
A. GEAR SETTINGS											
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment				
772	AG 1	1	2001/08/14	10:00	2001/08/14	10:30					
772	AG 2	1	2001/08/14	10:00	2001/08/14	10:30					
913	AG 1	1	2001/08/20	13:00	2001/08/20	13:50					
913	AG 2	1	2001/08/20	13:00	2001/08/20	13:50					
FISH SUMMARY											
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment		
772	AG	1	1	NFC		0					
772	AG	2	1	NFC		0					
913	AG	1	1	NFC		0					
913	AG	2	1	NFC		0					
COMMENTS											
Section			Comments								
WATERBODY			Angled using roe as bait-conditions were good no fish caught								

Site #922

FDIS Reach Card

Shelagyote River Planning Area

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

Reach # 6.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	6.0	NID Map #:	093M.094	NID #:	11058		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92073		Gaz.: SHELAGYOTE RIVER		9.605026.6198514 GIS					
#: 131		Local:		Sample Type: R Welland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 1.30	Gradient: 1.54	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 879	Order: 5	Open water: P	O1	B1	B2	B3	D1	D2	D3
US Elev.: 899	Magnitude: 233	Confinement: OC	C1	C2	C3	C4	C5	S1	S2
	BGC Zone: SBS	Coupling: DC						S3	S4
Valley Flat: B	C/D: C								
Active Floodplain Visible: ☐	Est. Width:	Islands: N	Bars: ☒ N	☐ SIDE	☐ DIAG	☐ MID	☐ SPAN	☐ BR	
Channel Pattern: IR		Mass Movement: L	Riparian Veg.: D			Exposed/Eroded: NS			
						Landuse: NO			
MAPS									
Map Type	Map #	Year							
TRIM	093M.094	1995							

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 6.0
ILP Map #
ILP #

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 6 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/09/14

To: 2001/09/14

Agency: C172

Crew: JH/RT

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
922	093M.094	90022	9 605060 6198480 GPU	AG 1	6		L	
980	093M.094	90080	9 605060 6198480 GPU	AG 1	6		C	
624	093M.094	60024	9 605300 6197929 GPU	AG 2	7		C	
624	093M.094	60024	9 605300 6197929 GPU	AG 1	7		C	
623	093M.094	60023	9 605241 6198075 GPU	AG 2	7		C	
623	093M.094	60023	9 605241 6198075 GPU	AG 1	7		C	
622	093M.094	60022	9 605165 6198391 GPU	AG 2	7		C	
622	093M.094	60022	9 605165 6198391 GPU	AG 1	7		C	
621	093M.094	60021	9 605060 6198480 GPU	AG 2	7		C	
621	093M.094	60021	9 605060 6198480 GPU	AG 1	7		C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
621	AG 1	1	2001/09/14	10:20	2001/09/14	10:30	
621	AG 2	1	2001/09/14	10:20	2001/09/14	10:30	
622	AG 1	1	2001/09/14	10:40	2001/09/14	10:55	
622	AG 2	1	2001/09/14	10:40	2001/09/14	10:55	
623	AG 1	1	2001/09/14	11:00	2001/09/14	11:10	
623	AG 2	1	2001/09/14	11:00	2001/09/14	11:10	
624	AG 1	1	2001/09/14	11:15	2001/09/14	11:30	
624	AG 2	1	2001/09/14	11:15	2001/09/14	11:30	
922	AG 1	1	2001/08/20	15:00	2001/08/20	15:45	
980	AG 1	1	2002/09/08	11:35	2002/09/08	12:00	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
621	AG 1	1	BT	A		1	530 530	R	
621	AG 2	1	NFC			0			
622	AG 1	1	NFC			0			
622	AG 2	1	NFC			0			
623	AG 1	1	NFC			0			
623	AG 2	1	NFC			0			
624	AG 1	1	NFC			0			
624	AG 2	1	NFC			0			
922	AG 1	1	BT	A		5	400 590	R	
980	AG 1	1	CO	A		4	500 570	S	

INDIVIDUAL FISH DATA

Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age	Vch#	Genetic	Roll #	Frame#	Comment
								Str/Smpl#		Str/Smpl#			
621	AG 1	1	BT	530		M	M	FR 62000 8			62	5	Roll 62 Frame 6 two photos taken
980	AG 1	1	CO	500		U	U						
980	AG 1	1	CO	570		U	U						
980	AG 1	1	CO	510		U	U						
980	AG 1	1	CO	530		U	U						
922	AG 1	1	BT	400		M	MT	FR 14474 11					
922	AG 1	1	BT	480		M	MT	FR 14477 5					
922	AG 1	1	BT	500		F	M	FR 14476 7					
922	AG 1	1	BT	590		F	MT	FR 14479 13					

COMMENTS

Section

Comments

FDIS Fish Card

Shelagyote River Planning Area

Watershed Code:

480-195700-00000-00000-0000-000-000-000-000-000-000

Reach #

ILP Map #

ILP #

6.0

Section	Comments
WATERBODY	Site 624 No fish caught. Potential staging area. Cover provided by undercut banks and overstream vegetation. No redds observed in stream walk (200 m). Spawning (pockets) present throughout section for CO/BT/ST
WATERBODY	Site 623 No fish caught. Potential staging area. Log jam with abundant cover. No redds observed in 200 m section walked. Spawning habitat is present upstream and downstream of log jam. Suitable sized substrates, moderate flow, access to cover
WATERBODY	Site 622 No fish caught. Potential staging area. No redds observed in 200 m (GE section walked). Cover, pools, flows provide potential BT staging and rearing

Site #923

FDIS Reach Card

Shelagyote River Planning Area

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

Reach # 1.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	1.0	NID Map #:	093M.065	NID #:	19113		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92090	Gaz.: SHELAGYOTE RIVER			9.616596.6169199 GIS					
#: 215	Local:			Sample Type: B Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 6.11	Gradient: 1	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 543	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev: 604	Magnitude: 1427	Confinement: FC	☐	☐	☐	☐	☐	☐	☐
	BGC Zone: SBS	Coupling: PC	C1	C2	C3	C4	C5	S1	S2
			☐	☐	☐	☐	☐	☐	☐
Valley Flat: B	C/D: D	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IM		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						

MAPS		
Map Type	Map #	Year
TRIM	093M.065	1990

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 1.0
ILP Map #
ILP #

WATERBODY									
Gazetted Name: SHELAGYOTE RIVER					Local: Shelagyote River				
Project Code: 480-000000-00000-00000-0000-000-000-000-000-0									
WS Code: 480-195700-00000-00000-0000-000-000-000-000-000									
Waterbody ID:			ILP Map #:		ILP #:		Reach #: 1 -		
Project ID: 1550			Lake/Stream: S			Lake From Date:			
Fish Permit #: 145084K		Date: 2001/08/20		To: 2001/08/20		Agency: C172		Crew: JH/TM/JD/ Resample: ☐	

SITE / METHOD											
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO		Temp	Cond	Turbid	Comment
782	093M.065	22782				GPU	VO	1			Lost fish at beach
902	093M.065	90002				GPU	AG	1	6	L	
903	093M.065	90003	9	617089	6167848	GPU	AG	1	6	L	
903	093M.065	90003	9	617089	6167848	GPU	AG	2	6	L	
775	093M.065	22775	9	618289	6166820	GPU	AG	1		L	
775	093M.065	22775	9	618289	6166820	GPU	AG	2		L	
630	093M.065	60030	9	618500	6165600	GPU	AG	1	9	L	
630	093M.065	60030	9	618500	6165600	GPU	AG	2	9	L	
901	093M.065	90001				GPU	AG	1	6	L	
782	093M.065	22782	9	617471	6167585	GPU	AG	2			
923	093M.065	90023	9	618585	6165291	GPU	AG	1	6	L	
909	093M.065	90009	9	618694	6166475	GPU	AG	1		L	
909	093M.065	90009	9	618694	6166475	GPU	AG	2		L	
910	093M.065	90010	9	617471	6167505	GPU	AG	1		L	
910	093M.065	90010	9	617471	6167505	GPU	AG	2		L	
985	093M.065	90085	9	618078	6166823	GPU	AG	1	6	C	
884	093M.065	80084	9	617548	6167624	GPU	AG	1	7		
885	093M.065	80085	9	618097	6166830	GPU	AG	1	7		
782	093M.065	22782	9	617471	6167585	GPU	AG	1			

A GEAR SETTINGS									
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment		
630	AG 1	1	2001/09/14	16:15	2001/09/14	17:00			
630	AG 2	1	2001/09/14	16:15	2001/09/14	17:00			
775	AG 1	1	2001/09/14	15:00	2001/09/14	15:50			
775	AG 2	1	2001/09/14	15:00	2001/09/14	15:50			
782	AG 1	1	2002/09/08	15:10	2002/09/08	16:10			
782	AG 2	1	2002/09/08	15:10	2002/09/08	16:10			
782	VO 1	1	2002/09/08	15:10	2002/09/08	16:10			
884	AG 1	1	2002/09/21	14:34	2002/09/21	15:15			
885	AG 1	1	2002/09/21	15:38	2002/09/21	16:37			
901	AG 1	1	2001/08/20	10:15	2001/08/20	10:50			
902	AG 1	1	2001/08/20	10:15	2001/08/20	10:50			
903	AG 1	1	2001/08/20	11:00	2001/08/20	11:20			
903	AG 2	1	2001/08/20	11:00	2001/08/20	11:20			
909	AG 1	1	2001/08/20	09:00	2001/08/20	09:20			
909	AG 2	1	2001/08/20	09:00	2001/08/20	09:20			
910	AG 1	1	2001/08/20	09:30	2001/08/20	10:05			
910	AG 2	1	2001/08/20	09:30	2001/08/20	10:05			
923	AG 1	1	2001/08/20	16:00	2001/08/20	16:20			
985	AG 1	1	2002/09/08	14:10	2002/09/08	15:00			

FISH SUMMARY									
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
630	AG	1	1	NFC		0			
630	AG	2	1	BT	A	1	530 530	R	
775	AG	1	1	CO	A	2	640 660	R	
775	AG	2	1	NFC		0			
782	AG	1	1	NFC		0			
782	AG	2	1	BT	A	1	630 630	R	

FDIS Fish Card

Shelagyote River Planning Area

Watershed Code:

480-195700-00000-00000-0000-000-000-000-000-000-000

Reach #

ILP Map #

ILP #

1.0

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment
782	VO	1	1	ST	A	1	780	780	R	
884	AG	1	1	CO	A	1	550	550	S	
885	AG	1	1	NFC		0				
901	AG	1	1	CO	A	1	530	530	R	
902	AG	1	1	NFC		0				
903	AG	1	1	NFC		0				
903	AG	2	1	NFC		0				
909	AG	1	1	NFC		0				
909	AG	2	1	NFC		0				
910	AG	1	1	NFC		0				
910	AG	2	1	NFC		0				
923	AG	1	1	BT	A	2	470	503	R	
985	AG	1	1	BT	A	2	490	520	S	

INDIVIDUAL FISH DATA

Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age		Vch#	Genetic	Roll #	Frame#	Comment
								Str/Smpl#//Age			Str/Smpl#			
901	AG	1	1	CO	530	U	U							
775	AG	1	1	CO	660	M	M							
775	AG	1	1	CO	640	F	M							
630	AG	2	1	BT	530	F	ST	FR	62006	11				
782	AG	2	1	BT	630	U	U	FR	1782	11		62	14	
782	VO	1	1	ST	780	U	U					31	20	Roll 31 Frames 21,22
985	AG	1	1	BT	490	F	M	FR	20	8				Lost at beach
985	AG	1	1	BT	520	U	U							
884	AG	1	1	CO	550	U	U							
923	AG	1	1	BT	470	F	MT	FR	71001	5				
923	AG	1	1	BT	485	M	MT	FR	71002	6				
923	AG	1	1	BT	530	M	MT	FR	71003	8				

COMMENTS

Section	Comments
WATERBODY	BT captured was spent. Snake like morphology with evidence of recent spawning activity-protruding papillae, marked tail, liquid expelled when squeezed.

Site #980

FDIS Reach Card

Shelagoyote River Planning Area

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

Reach # 6.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagoyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-0000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-0000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	6.0	NID Map #:	093M.094	NID #:	11058		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92073		Gaz.: SHELAGYOTE RIVER		9.605026.6198514 GIS					
#: 131		Local:		Sample Type: R Welland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 1.30	Gradient: 1.54	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 879	Order: 5	Open water: P	O1	B1	B2	B3	D1	D2	D3
US Elev: 899	Magnitude: 233	Confinement: OC	☐	☐	☐	☐	☐	☐	☐
	BGC Zone: SBS	Coupling: DC	C1	C2	C3	C4	C5	S1	S2
			☐	☐	☐	☐	☐	☐	☐
Valley Flat: B	C/D: C	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IR		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						
MAPS									
Map Type	Map #	Year							
TRIM	093M.094	1995							

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 6.0
ILP Map #
ILP #

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 6 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/09/14

To: 2001/09/14

Agency: C172

Crew: JH/RT

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
922	093M.094	90022	9 605060 6198480 GPU	AG 1	6		L	
980	093M.094	90080	9 605060 6198480 GPU	AG 1	6		C	
624	093M.094	60024	9 605300 6197929 GPU	AG 2	7		C	
624	093M.094	60024	9 605300 6197929 GPU	AG 1	7		C	
623	093M.094	60023	9 605241 6198075 GPU	AG 2	7		C	
623	093M.094	60023	9 605241 6198075 GPU	AG 1	7		C	
622	093M.094	60022	9 605165 6198391 GPU	AG 2	7		C	
622	093M.094	60022	9 605165 6198391 GPU	AG 1	7		C	
621	093M.094	60021	9 605060 6198480 GPU	AG 2	7		C	
621	093M.094	60021	9 605060 6198480 GPU	AG 1	7		C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
621	AG 1	1	2001/09/14	10:20	2001/09/14	10:30	
621	AG 2	1	2001/09/14	10:20	2001/09/14	10:30	
622	AG 1	1	2001/09/14	10:40	2001/09/14	10:55	
622	AG 2	1	2001/09/14	10:40	2001/09/14	10:55	
623	AG 1	1	2001/09/14	11:00	2001/09/14	11:10	
623	AG 2	1	2001/09/14	11:00	2001/09/14	11:10	
624	AG 1	1	2001/09/14	11:15	2001/09/14	11:30	
624	AG 2	1	2001/09/14	11:15	2001/09/14	11:30	
922	AG 1	1	2001/08/20	15:00	2001/08/20	15:45	
980	AG 1	1	2002/09/08	11:35	2002/09/08	12:00	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
621	AG 1	1	BT	A		1	530 530	R	
621	AG 2	1	NFC			0			
622	AG 1	1	NFC			0			
622	AG 2	1	NFC			0			
623	AG 1	1	NFC			0			
623	AG 2	1	NFC			0			
624	AG 1	1	NFC			0			
624	AG 2	1	NFC			0			
922	AG 1	1	BT	A		5	400 590	R	
980	AG 1	1	CO	A		4	500 570	S	

INDIVIDUAL FISH DATA

Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age	Vch#	Genetic	Roll #	Frame#	Comment
								Str/Smpl#		Str/Smpl#			
621	AG 1	1	BT	530		M	M	FR 62000 8			62	5	Roll 62 Frame 6 two photos taken
980	AG 1	1	CO	500		U	U						
980	AG 1	1	CO	570		U	U						
980	AG 1	1	CO	510		U	U						
980	AG 1	1	CO	530		U	U						
922	AG 1	1	BT	400		M	MT	FR 14474 11					
922	AG 1	1	BT	480		M	MT	FR 14477 5					
922	AG 1	1	BT	500		F	M	FR 14476 7					
922	AG 1	1	BT	590		F	MT	FR 14479 13					

COMMENTS

Section

Comments

FDIS Fish Card

Shelagyote River Planning Area

Reach # ILP Map # ILP #

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

6.0

Section	Comments
WATERBODY	Site 624 No fish caught. Potential staging area. Cover provided by undercut banks and overstream vegetation. No redds observed in stream walk (200 m). Spawning (pockets) present throughout section for CO/BT/ST
WATERBODY	Site 623 No fish caught. Potential staging area. Log jam with abundant cover. No redds observed in 200 m section walked. Spawning habitat is present upstream and downstream of log jam. Suitable sized substrates, moderate flow, access to cover
WATERBODY	Site 622 No fish caught. Potential staging area. No redds observed in 200 m (GE section walked). Cover, pools, flows provide potential BT staging and rearing

FDIS Reach Card

Shelagyote River Planning Area

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

Reach # 7.0
ILP Map # 093M.094
ILP # 11059

PROJECT			
Project Name: Shelagyote Inventory		Project Code: 1550	
Stream Name (gaz.): BABINE RIVER			
Project Watershed Code: 480-000000-00000-00000-0000-0000-000-000-000-000-000			
WATERSHED			
Reach Watershed Code: 480-195700-00000-00000-0000-0000-000-000-000-000-000			
ILP Map #:	ILP #:	Reach #:	NID Map #: 093M.094
Air Photos		NID #: 11059	
LINE: 30BCB92073	Gaz.: SHELAGYOTE RIVER	UTM(Zone/East/North/Method)	
#: 130	Local:	9.603199.6198095 GIS	
		Sample Type: R Wetland: ☐	
SURVEY INFO			
Date: 2001/07/11		Agency: C172	
		Crew: JH/JA	
ATTRIBUTES			
Length (km): 2.85	Gradient: 3.02	Setting: VF	DISTURBANCE INDICATORS
DS Elev.: 899	Order: 4	Open water: A	O1 B1 B2 B3 D1 D2 D3
US Elev: 985	Magnitude: 106	Confinement: OC	☐ ☐ ☐ ☐ ☐ ☐ ☐
	BGC Zone: SBS	Coupling: DC	C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
			☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Valley Flat: B	C/D: C	Islands: N	
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR	
Channel Pattern: IR		Mass Movement: L	Exposed/Eroded: NS
		Riparian Veg.: D	Landuse: NO

MAPS		
Map Type	Map #	Year
TRIM	093M.094	1995

Site #982

FDIS Reach Card

Shelagyte River Planning Area

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

Reach # 4.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagyte Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	4.0	NID Map #:	093M.074	NID #:	15437		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92119	Gaz.: SHELAGYTE RIVER			9.607478.6184546 GIS					
#: 135	Local:			Sample Type: B Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 7.38	Gradient: 0.58	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 720	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev: 763	Magnitude: 1151	Confinement: OC	C1	C2	C3	C4	C5	S1	S2
	BGC Zone: ESSF	Coupling: DC						S3	S4
Valley Flat: B	C/D: C	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IR		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						
MAPS									
Map Type	Map #	Year							
TRIM	093M.074	1995							

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 4.0
ILP Map #
ILP #

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 4 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/09/14

To: 2001/09/14

Agency: C172

Crew: JH/RT

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
881	093M.074	80081	9 607713 6183691 GPU	AG 1	7			
982	093M.074	90082	9 607549 6184502 GPU	AG 1	6		C	
912	093M.074	90012	9 607725 6183683 GPU	AG 2			L	
912	093M.074	90012	9 607725 6183683 GPU	AG 1			L	
780	093M.074	22780	9 607692 6183387 GPU	AG 2				
780	093M.074	22780	9 607692 6183387 GPU	AG 1				
779	093M.074	22779	9 607642 6183390 GPU	AG 2				
779	093M.074	22779	9 607642 6183390 GPU	AG 1				
678	093M.074	22678	9 607730 6183688 GPU	AG 2				
678	093M.074	22678	9 607730 6183688 GPU	AG 1				
627	093M.074	60027	9 607729 6183691 GPU	AG 2	9		C	
627	093M.074	60027	9 607729 6183691 GPU	AG 1	9		C	
626	093M.074	60026	9 607549 6184502 GPU	AG 2	9		C	
626	093M.074	60026	9 607549 6184502 GPU	AG 1	9		C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
626	AG 1	1	2001/09/14	13:00	2001/09/14	13:30	
626	AG 2	1	2001/09/14	13:00	2001/09/14	13:30	
627	AG 1	1	2001/09/14	13:50	2001/09/14	14:10	
627	AG 2	1	2001/09/14	13:50	2001/09/14	14:10	
678	AG 1	1	2002/09/08	12:15	2002/09/08	12:30	
678	AG 2	1	2002/09/08	12:15	2002/09/08	12:30	
779	AG 1	1	2002/09/08	12:35	2002/09/08	12:45	
779	AG 2	1	2002/09/08	12:35	2002/09/08	12:45	
780	AG 1	1	2002/09/08	12:50	2002/09/08	13:10	
780	AG 2	1	2002/09/08	12:50	2002/09/08	13:10	
881	AG 1	1	2002/09/21	12:00	2002/09/21	12:17	
912	AG 1	1	2001/08/20	12:30	2001/08/20	12:50	
912	AG 2	1	2001/08/20	12:30	2001/08/20	12:50	
982	AG 1	1	2002/09/08	12:05	2002/09/08	12:35	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
626	AG	1	BT	A		1	520 520	S	
626	AG	2	BT	A		1	560 560	S	
627	AG	1	NFC			0			
627	AG	2	NFC			0			
678	AG	1	NFC			0			
678	AG	2	NFC			0			
779	AG	1	NFC			0			
779	AG	2	BT	A		1	290 290	R	
780	AG	1	NFC			0			
780	AG	2	NFC			0			
881	AG	1	NFC			0			
912	AG	1	NFC			0			
912	AG	2	NFC			0			
982	AG	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#			

Shelagyote River Planning Area

480-195700-00000-00000-0000-0000-000-000-000-000-000-000

ILP #

4.0

[illegible]

Site #983

FDIS Reach Card

Shelagyote River Planning Area

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

Reach # 2.0
ILP Map #
ILP #

PROJECT									
Project Name: Shelagyote Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	2.0	NID Map #:	093M.074	NID #:	15753		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92093	Gaz.: SHELAGYOTE RIVER			9.610992.6177392 GIS					
#: 57	Local:			Sample Type: R Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 14.71	Gradient: 0.6	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 604	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev: 692	Magnitude: 1393	Confinement: OC	☐	☐	☐	☐	☐	☐	☐
BGC Zone: SBS	Coupling: PC		C1	C2	C3	C4	C5	S1	S2
			☐	☐	☐	☐	☐	☐	☐
Valley Flat: B	C/D: D	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IR		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						

MAPS		
Map Type	Map #	Year
TRIM	093M.074	1995
TRIM	093M.065	1990

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # ILP Map # ILP #
2.0

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 2 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/08/20

To: 2001/08/20

Agency: C172

Crew: JH/TM/JD/

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
629	093M.065	60029	9 613994 6172469 GPU	AG 2	9		C	
904	093M.065	90004	9 616191 6169530 GPU	AG 2	6		L	
905	093M.065	90005	9 615355 6170675 GPU	AG 1	6		L	
905	093M.065	90005	9 615355 6170675 GPU	AG 2	6		L	
906	093M.074	90006	9 611719 6175544 GPU	AG 1	6		L	65 cm visibility
906	093M.074	90006	9 611719 6175544 GPU	AG 2	6		L	
774	093M.065	22774	9 614307 6171705 GPU	AG 1			L	
774	093M.064	22774	9 614307 6171705 GPU	AG 2			L	
628	093M.065	60028	9 613840 6172687 GPU	AG 1	9		C	
904	093M.065	90004	9 616191 6169530 GPU	AG 1	6		L	
629	093M.065	60029	9 613994 6172469 GPU	AG 1	9		C	
882	093M.074	80082	9 611716 6175535 GPU	AG 1	7			
781	093M.065	22781	9 614315 6171717 GPU	AG 1				
781	093M.065	22781	9 614315 6171717 GPU	AG 2				
911	093M.065	90011	9 614309 6171708 GPU	AG 1			L	
911	093M.065	90011	9 614309 6171708 GPU	AG 2			L	
911	093M.065	90011	9 614309 6171708 GPU	VO 1			L	
983	093M.074	90083	9 611716 6175563 GPU	AG 1	6		C	
984	093M.065	90084	9 615350 6170658 GPU	AG 1	6		C	
883	093M.065	80083	9 614362 6171686 GPU	AG 1	7			
883	093M.065	80083	9 614362 6171686 GPU	AG 2	7			
628	093M.065	60028	9 613840 6172687 GPU	AG 2	9		C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
628	AG 1	1	2001/09/14	14:10	2001/09/14	14:40	
628	AG 2	1	2001/09/14	14:10	2001/09/14	14:40	
629	AG 1	1	2001/09/14	15:00	2001/09/14	16:00	
629	AG 2	1	2001/09/14	15:00	2001/09/14	16:00	
774	AG 1	1	2001/09/14	13:00	2001/09/14	14:30	
774	AG 2	1	2001/09/14	13:00	2001/09/14	14:30	
781	AG 1	1	2002/09/08	13:30	2002/09/08	15:00	
781	AG 2	1	2002/09/08	13:30	2002/09/08	15:00	
882	AG 1	1	2002/09/21	12:30	2002/09/21	12:47	
883	AG 1	1	2002/09/21	13:15	2002/09/21	14:17	
883	AG 2	1	2002/09/21	16:45	2002/09/21	17:00	
904	AG 1	1	2001/08/20	11:30	2001/08/20	12:15	
904	AG 2	1	2001/08/20	11:30	2001/08/20	12:15	
905	AG 1	1	2001/08/20	12:20	2001/08/20	13:05	
905	AG 2	1	2001/08/20	12:20	2001/08/20	13:05	
906	AG 1	1	2001/08/20	13:10	2001/08/20	13:40	
906	AG 2	1	2001/08/20	13:10	2001/08/20	13:40	
911	AG 1	1	2001/08/20	10:15	2001/08/20	12:15	
911	AG 2	1	2001/08/20	10:15	2001/08/20	12:15	
911	VO 1	1	2001/08/20	10:15	2001/08/20	12:15	
983	AG 1	1	2002/09/08	12:40	2002/09/08	13:15	
984	AG 1	1	2002/09/08	13:20	2002/09/08	14:00	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
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FDIS Fish Card

Shelagyte River Planning Area

Reach #

ILP Map #

ILP #

Watershed Code:

480-195700-00000-00000-0000-000-000-000-000-000

2.0

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
628	AG	1	1	NFC		0			
628	AG	2	1	NFC		0			
629	AG	1	1	BT	A	2	570 650	S	
629	AG	2	1	BT	A	1	480 480	S	
774	AG	1	1	BT	A	1	595 595	R	
774	AG	2	1	RB	A	1	400 400	R	
781	AG	1	1	CO	A	4	450 590	R	
781	AG	2	1	BT	A	1	610 610	R	
781	AG	2	1	RB	A	1	410 410	R	
882	AG	1	1	NFC		0			
883	AG	1	1	BT	A	5	510 600	S	
883	AG	1	1	ST	A	2	690 740	R	
883	AG	2	1	BT	A	3	480 574	S	
904	AG	1	1	NFC		0			
904	AG	2	1	NFC		0			
905	AG	1	1	BT	A	1	410 410	R	
905	AG	2	1	NFC		0			
906	AG	1	1	NFC		0			
906	AG	2	1	NFC		0			
911	AG	1	1	BT	A	4	280 450	R	
911	AG	2	1	CO	A	1	630 630	R	
911	AG	2	1	RB	A	1	418 418	R	
911	VO	1	1	CH	A	1	800 800	R	
983	AG	1	1	NFC		0			
984	AG	1	1	CO	A	2	540 650	S	

INDIVIDUAL FISH DATA

Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age	Vch#	Genetic	Roll #	Frame#	Comment
								Str/Smpl#		Str/Smpl#			
905	AG	1	1	BT	410		F	IM	FR	1901 5	91	1	Roll 91 Frames 2, 3, 4 are of the same fish
774	AG	1	1	BT	595		M	ST	FR	7741 8	31	3	Roll 31 Frame 4. Tagged 10225
629	AG	1	1	BT	570		F	ST	FR	62003 8	62	11	
629	AG	1	1	BT	650		M	ST	FR	62004 11	62	12	
629	AG	2	1	BT	480		F	SP	FR	62005 8	62	13	
781	AG	1	1	CO	450		M	U					
781	AG	1	1	CO	480		M	U			31	15	
781	AG	1	1	CO	590		M	U			31	16	
781	AG	1	1	CO	550		M	U					
781	AG	2	1	BT	610		M	U			31	17	Not ready to spawn. Tagged 10225
781	AG	2	1	RB	410		M	U			31	18	Roll 31 Frame 19
911	AG	1	1	BT	280		U	U					
911	AG	1	1	BT	430		U	U					Already tagged
911	AG	1	1	BT	450		U	U			41	2	Tagged 10223 Photos Roll 41 Frames 2-4
911	AG	1	1	BT	425		U	U			41	5	Tagged 10224 Photos Roll 41 Frames 5-7
911	AG	2	1	RB	418		U	U			41	8	
911	AG	2	1	CO	630		U	U			41	1	
911	VO	1	1	CH	800		U	U					Lost chinook at beach
984	AG	1	1	CO	540		U	U					
984	AG	1	1	CO	650		U	U					
883	AG	1	1	BT	510		M	SP	FR	2 8			
883	AG	1	1	BT	600		F	SP	FR	1 11			
883	AG	1	1	BT	560		F	ST	FR	3 11			
883	AG	1	1	BT	510		F	M	FR	4 9			
883	AG	1	1	BT	530		M	ST	FR	5 8			
883	AG	1	1	ST	740		U	U					

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # ILP Map # ILP #
2.0

INDIVIDUAL FISH DATA																		
Site#	MTD/NO		H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment	
									Str/Smpl#	Age			Str/Smpl#					
883	AG	1	1	ST	690		U	U										
883	AG	2	1	BT	480		F	M	FR	450	8							
883	AG	2	1	BT	495		U	U										
883	AG	2	1	BT	574		U	U										
774	AG	2	1	RB	400		U	U										

COMMENTS	
Section	Comments
WATERBODY	Site 629 57/65cm expelled liquid when squeezed-faint trace of milt in male. 48 cm female expressed consistent eggs when squeezed. 57/65 cm fins on males and females showed signs of recent spawning activity-papillae extruding.
WATERBODY	Site 628 No fish caught. Resting/Rearing habitat. Steelhead type holding water. 600 m stream walk with no redds observed. Section of stream has potential CO/BT/ST spawning habitat with the tailout and adjacent to the point side bars. Abundant cover.

Site #984

FDIS Reach Card

Shelagyte River Planning Area

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

Reach # 2.0
ILP Map #
ILP #

PROJECT

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

Project Code: 1550

WATERSHED

Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000
ILP Map #: ILP #: Reach #: 2.0 NID Map #: 093M.074 NID #: 15753
Air Photos Names UTM(Zone/East/North/Method)
LINE: 30BCB92093 Gaz.: SHELAGYTE RIVER 9.610992.6177392 GIS
#: 57 Local: Sample Type: R Wetland: ☐

SURVEY INFO

Date: 2001/07/11 Agency: C172 Crew: JH/JA

ATTRIBUTES

Length (km): 14.71 Gradient: 0.6 Setting: VF DISTURBANCE O1 B1 B2 B3 D1 D2 D3
DS Elev.: 604 Order: 6 Open water: A INDICATORS ☐ ☐ ☐ ☐ ☐ ☐ ☐
US Elev.: 692 Magnitude: 1393 Confinement: OC C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
BGC Zone: SBS Coupling: PC ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Valley Flat: B C/D: D Islands: N
Active Floodplain Visible: ☐ Est. Width: Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR
Channel Pattern: IR Mass Movement: L Exposed/Eroded: NS
Riparian Veg.: D Landuse: NO

MAPS

Map Type	Map #	Year
TRIM	093M.074	1995
TRIM	093M.065	1990

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # ILP Map # ILP #
2.0

WATERBODY

Gazetted Name: SHELAGYOTE RIVER

Local: Shelagyote River

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

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

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 2 -

Project ID: 1550

Lake/Stream: S

Lake From Date:

Fish Permit #: 145084K

Date: 2001/08/20

To: 2001/08/20

Agency: C172

Crew: JH/TM/JD/

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
629	093M.065	60029	9 613994 6172469 GPU	AG 2	9		C	
904	093M.065	90004	9 616191 6169530 GPU	AG 2	6		L	
905	093M.065	90005	9 615355 6170675 GPU	AG 1	6		L	
905	093M.065	90005	9 615355 6170675 GPU	AG 2	6		L	
906	093M.074	90006	9 611719 6175544 GPU	AG 1	6		L	65 cm visibility
906	093M.074	90006	9 611719 6175544 GPU	AG 2	6		L	
774	093M.065	22774	9 614307 6171705 GPU	AG 1			L	
774	093M.064	22774	9 614307 6171705 GPU	AG 2			L	
628	093M.065	60028	9 613840 6172687 GPU	AG 1	9		C	
904	093M.065	90004	9 616191 6169530 GPU	AG 1	6		L	
629	093M.065	60029	9 613994 6172469 GPU	AG 1	9		C	
882	093M.074	80082	9 611716 6175535 GPU	AG 1	7			
781	093M.065	22781	9 614315 6171717 GPU	AG 1				
781	093M.065	22781	9 614315 6171717 GPU	AG 2				
911	093M.065	90011	9 614309 6171708 GPU	AG 1			L	
911	093M.065	90011	9 614309 6171708 GPU	AG 2			L	
911	093M.065	90011	9 614309 6171708 GPU	VO 1			L	
983	093M.074	90083	9 611716 6175563 GPU	AG 1	6		C	
984	093M.065	90084	9 615350 6170658 GPU	AG 1	6		C	
883	093M.065	80083	9 614362 6171686 GPU	AG 1	7			
883	093M.065	80083	9 614362 6171686 GPU	AG 2	7			
628	093M.065	60028	9 613840 6172687 GPU	AG 2	9		C	

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
628	AG 1	1	2001/09/14	14:10	2001/09/14	14:40	
628	AG 2	1	2001/09/14	14:10	2001/09/14	14:40	
629	AG 1	1	2001/09/14	15:00	2001/09/14	16:00	
629	AG 2	1	2001/09/14	15:00	2001/09/14	16:00	
774	AG 1	1	2001/09/14	13:00	2001/09/14	14:30	
774	AG 2	1	2001/09/14	13:00	2001/09/14	14:30	
781	AG 1	1	2002/09/08	13:30	2002/09/08	15:00	
781	AG 2	1	2002/09/08	13:30	2002/09/08	15:00	
882	AG 1	1	2002/09/21	12:30	2002/09/21	12:47	
883	AG 1	1	2002/09/21	13:15	2002/09/21	14:17	
883	AG 2	1	2002/09/21	16:45	2002/09/21	17:00	
904	AG 1	1	2001/08/20	11:30	2001/08/20	12:15	
904	AG 2	1	2001/08/20	11:30	2001/08/20	12:15	
905	AG 1	1	2001/08/20	12:20	2001/08/20	13:05	
905	AG 2	1	2001/08/20	12:20	2001/08/20	13:05	
906	AG 1	1	2001/08/20	13:10	2001/08/20	13:40	
906	AG 2	1	2001/08/20	13:10	2001/08/20	13:40	
911	AG 1	1	2001/08/20	10:15	2001/08/20	12:15	
911	AG 2	1	2001/08/20	10:15	2001/08/20	12:15	
911	VO 1	1	2001/08/20	10:15	2001/08/20	12:15	
983	AG 1	1	2002/09/08	12:40	2002/09/08	13:15	
984	AG 1	1	2002/09/08	13:20	2002/09/08	14:00	

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
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FDIS Fish Card

Shelagyote River Planning Area

Watershed Code:

480-195700-00000-00000-0000-000-000-000-000-000-000

Reach #

ILP Map #

ILP #

2.0

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment
628	AG	1	1	NFC		0				
628	AG	2	1	NFC		0				
629	AG	1	1	BT	A	2	570	650	S	
629	AG	2	1	BT	A	1	480	480	S	
774	AG	1	1	BT	A	1	595	595	R	
774	AG	2	1	RB	A	1	400	400	R	
781	AG	1	1	CO	A	4	450	590	R	
781	AG	2	1	BT	A	1	610	610	R	
781	AG	2	1	RB	A	1	410	410	R	
882	AG	1	1	NFC		0				
883	AG	1	1	BT	A	5	510	600	S	
883	AG	1	1	ST	A	2	690	740	R	
883	AG	2	1	BT	A	3	480	574	S	
904	AG	1	1	NFC		0				
904	AG	2	1	NFC		0				
905	AG	1	1	BT	A	1	410	410	R	
905	AG	2	1	NFC		0				
906	AG	1	1	NFC		0				
906	AG	2	1	NFC		0				
911	AG	1	1	BT	A	4	280	450	R	
911	AG	2	1	CO	A	1	630	630	R	
911	AG	2	1	RB	A	1	418	418	R	
911	VO	1	1	CH	A	1	800	800	R	
983	AG	1	1	NFC		0				
984	AG	1	1	CO	A	2	540	650	S	

INDIVIDUAL FISH DATA

Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age		Vch#	Genetic	Roll #	Frame#	Comment
								Str/Smpl#	Age		Str/Smpl#			
905	AG	1	1	BT	410		F	IM	FR	1901	5	91	1	Roll 91 Frames 2, 3, 4 are of the same fish
774	AG	1	1	BT	595		M	ST	FR	7741	8	31	3	Roll 31 Frame 4. Tagged 10225
629	AG	1	1	BT	570		F	ST	FR	62003	8	62	11	
629	AG	1	1	BT	650		M	ST	FR	62004	11	62	12	
629	AG	2	1	BT	480		F	SP	FR	62005	8	62	13	
781	AG	1	1	CO	450		M	U						
781	AG	1	1	CO	480		M	U				31	15	
781	AG	1	1	CO	590		M	U				31	16	
781	AG	1	1	CO	550		M	U						
781	AG	2	1	BT	610		M	U				31	17	Not ready to spawn. Tagged 10225
781	AG	2	1	RB	410		M	U				31	18	Roll 31 Frame 19
911	AG	1	1	BT	280		U	U						
911	AG	1	1	BT	430		U	U						Already tagged
911	AG	1	1	BT	450		U	U				41	2	Tagged 10223 Photos Roll 41 Frames 2-4
911	AG	1	1	BT	425		U	U				41	5	Tagged 10224 Photos Roll 41 Frames 5-7
911	AG	2	1	RB	418		U	U				41	8	
911	AG	2	1	CO	630		U	U				41	1	
911	VO	1	1	CH	800		U	U						Lost chinook at beach
984	AG	1	1	CO	540		U	U						
984	AG	1	1	CO	650		U	U						
883	AG	1	1	BT	510		M	SP	FR	2	8			
883	AG	1	1	BT	600		F	SP	FR	1	11			
883	AG	1	1	BT	560		F	ST	FR	3	11			
883	AG	1	1	BT	510		F	M	FR	4	9			
883	AG	1	1	BT	530		M	ST	FR	5	8			
883	AG	1	1	ST	740		U	U						

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # ILP Map # ILP #
2.0

INDIVIDUAL FISH DATA																		
Site#	MTD/NO		H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment	
									Str/Smpl#	Age	Str/Smpl#							
883	AG	1	1	ST	690		U	U										
883	AG	2	1	BT	480		F	M	FR	450	8							
883	AG	2	1	BT	495		U	U										
883	AG	2	1	BT	574		U	U										
774	AG	2	1	RB	400		U	U										

COMMENTS	
Section	Comments
WATERBODY	Site 629 57/65cm expelled liquid when squeezed-faint trace of milt in male. 48 cm female expressed consistent eggs when squeezed. 57/65 cm fins on males and females showed signs of recent spawning activity-papillae extruding.
WATERBODY	Site 628 No fish caught. Resting/Rearing habitat. Steelhead type holding water. 600 m stream walk with no redds observed. Section of stream has potential CO/BT/ST spawning habitat with the tailout and adjacent to the point side bars. Abundant cover.

Site #985

FDIS Reach Card

Shelagyte River Planning Area

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

Reach # 1.0 ILP Map # ILP #

PROJECT									
Project Name: Shelagyte Inventory					Project Code: 1550				
Stream Name (gaz.): BABINE RIVER									
Project Watershed Code: 480-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED									
Reach Watershed Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
ILP Map #:	ILP #:	Reach #:	1.0	NID Map #:	093M.065	NID #:	19113		
Air Photos		Names		UTM(Zone/East/North/Method)					
LINE: 30BCB92090	Gaz.: SHELAGYTE RIVER			9.616596.6169199 GIS					
#: 215	Local:			Sample Type: B Wetland: ☐					
SURVEY INFO									
Date: 2001/07/11			Agency: C172			Crew: JH/JA			
ATTRIBUTES									
Length (km): 6.11	Gradient: 1	Setting: VF	DISTURBANCE INDICATORS						
DS Elev.: 543	Order: 6	Open water: A	O1	B1	B2	B3	D1	D2	D3
US Elev: 604	Magnitude: 1427	Confinement: FC	☐	☐	☐	☐	☐	☐	☐
	BGC Zone: SBS	Coupling: PC	C1	C2	C3	C4	C5	S1	S2
			☐	☐	☐	☐	☐	☐	☐
Valley Flat: B	C/D: D	Islands: N							
Active Floodplain Visible: ☐	Est. Width:	Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							
Channel Pattern: IM		Mass Movement: L	Exposed/Eroded: NS						
		Riparian Veg.: D	Landuse: NO						
MAPS									
Map Type	Map #	Year							
TRIM	093M.065	1990							

FDIS Fish Card

Shelagoyote River Planning Area

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

Reach # 1.0
ILP Map #
ILP #

WATERBODY									
Gazetted Name: SHELAGYOTE RIVER					Local: Shelagoyote River				
Project Code: 480-000000-00000-00000-0000-000-000-000-000-000-0									
WS Code: 480-195700-00000-00000-0000-000-000-000-000-000-000									
Waterbody ID:					ILP Map #:		ILP #:		Reach #: 1 -
Project ID: 1550					Lake/Stream: S		Lake From Date:		

Fish Permit #:	145084K	Date:	2001/08/20	To:	2001/08/20	Agency:	C172	Crew:	JH/TM/JD/	Resample:	☐
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SITE / METHOD											
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO	Temp	Cond	Turbid	Comment	
782	093M.065	22782				GPU VO 1				Lost fish at beach	
902	093M.065	90002				GPU AG 1	6		L		
903	093M.065	90003	9	617089	6167848	GPU AG 1	6		L		
903	093M.065	90003	9	617089	6167848	GPU AG 2	6		L		
775	093M.065	22775	9	618289	6166820	GPU AG 1			L		
775	093M.065	22775	9	618289	6166820	GPU AG 2			L		
630	093M.065	60030	9	618500	6165600	GPU AG 1	9		L		
630	093M.065	60030	9	618500	6165600	GPU AG 2	9		L		
901	093M.065	90001				GPU AG 1	6		L		
782	093M.065	22782	9	617471	6167585	GPU AG 2					
923	093M.065	90023	9	618585	6165291	GPU AG 1	6		L		
909	093M.065	90009	9	618694	6166475	GPU AG 1			L		
909	093M.065	90009	9	618694	6166475	GPU AG 2			L		
910	093M.065	90010	9	617471	6167505	GPU AG 1			L		
910	093M.065	90010	9	617471	6167505	GPU AG 2			L		
985	093M.065	90085	9	618078	6166823	GPU AG 1	6		C		
884	093M.065	80084	9	617548	6167624	GPU AG 1	7				
885	093M.065	80085	9	618097	6166830	GPU AG 1	7				
782	093M.065	22782	9	617471	6167585	GPU AG 1					

A. GEAR SETTINGS											
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment				
630	AG 1	1	2001/09/14	16:15	2001/09/14	17:00					
630	AG 2	1	2001/09/14	16:15	2001/09/14	17:00					
775	AG 1	1	2001/09/14	15:00	2001/09/14	15:50					
775	AG 2	1	2001/09/14	15:00	2001/09/14	15:50					
782	AG 1	1	2002/09/08	15:10	2002/09/08	16:10					
782	AG 2	1	2002/09/08	15:10	2002/09/08	16:10					
782	VO 1	1	2002/09/08	15:10	2002/09/08	16:10					
884	AG 1	1	2002/09/21	14:34	2002/09/21	15:15					
885	AG 1	1	2002/09/21	15:38	2002/09/21	16:37					
901	AG 1	1	2001/08/20	10:15	2001/08/20	10:50					
902	AG 1	1	2001/08/20	10:15	2001/08/20	10:50					
903	AG 1	1	2001/08/20	11:00	2001/08/20	11:20					
903	AG 2	1	2001/08/20	11:00	2001/08/20	11:20					
909	AG 1	1	2001/08/20	09:00	2001/08/20	09:20					
909	AG 2	1	2001/08/20	09:00	2001/08/20	09:20					
910	AG 1	1	2001/08/20	09:30	2001/08/20	10:05					
910	AG 2	1	2001/08/20	09:30	2001/08/20	10:05					
923	AG 1	1	2001/08/20	16:00	2001/08/20	16:20					
985	AG 1	1	2002/09/08	14:10	2002/09/08	15:00					

FISH SUMMARY											
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment	
630	AG 1	1	NFC			0					
630	AG 2	1	BT	A		1	530	530	R		
775	AG 1	1	CO	A		2	640	660	R		
775	AG 2	1	NFC			0					
782	AG 1	1	NFC			0					
782	AG 2	1	BT	A		1	630	630	R		

FDIS Fish Card

Shelagyote River Planning Area

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

Reach # 1.0
ILP Map #
ILP #

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment
782	VO	1	1	ST	A	1	780	780	R	
884	AG	1	1	CO	A	1	550	550	S	
885	AG	1	1	NFC		0				
901	AG	1	1	CO	A	4+	530	530	R	
902	AG	1	1	NFC		0				
903	AG	1	1	NFC		0				
903	AG	2	1	NFC		0				
909	AG	1	1	NFC		0				
909	AG	2	1	NFC		0				
910	AG	1	1	NFC		0				
910	AG	2	1	NFC		0				
923	AG	1	1	BT	A	2	470	503	R	
985	AG	1	1	BT	A	2	490	520	S	

INDIVIDUAL FISH DATA

Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age		Vch#	Genetic		Roll #	Frame#	Comment
								Str/Smpl#	Age		Str/Smpl#				
901	AG	1	1	CO	530	U	U								
775	AG	1	1	CO	660	M	M								
775	AG	1	1	CO	640	F	M								
630	AG	2	1	BT	530	F	ST	FR	62006	11			62	14	
782	AG	2	1	BT	630	U	U	FR	1782	11			31	20	Roll 31 Frames 21,22
782	VO	1	1	ST	780	U	U								Lost at beach
985	AG	1	1	BT	490	F	M	FR	20	8					
985	AG	1	1	BT	520	U	U								
884	AG	1	1	CO	550	U	U								
923	AG	1	1	BT	470	F	MT	FR	71001	5					
923	AG	1	1	BT	485	M	MT	FR	71002	6					
923	AG	1	1	BT	530	M	MT	FR	71003	8					

COMMENTS

Section	Comments
WATERBODY	BT captured was spent. Snake like morphology with evidence of recent spawning activity-protruding papillae, marked tail, liquid expelled when squeezed.

APPENDIX II
Phase Completion Reports

PROJECT PHASE COMPLETION REPORT - PHASE I-III

FRBC Multi-Year Agreement Number: 0000102
MELP Project Number: SCI_C172_010_2001
FRBC Activity Number: 716432
FDIS Project Code: 5098
Project Name: Reconnaissance (1:20,000 scale) Fish and Fish Habitat Inventory in selected tributaries within the Shelagyote River Area (Shelagyote River, Cayuse Jack Creek, Le Clair Creek Shenismike Creek)
Project Type: 1:20,000 Scale Reconnaissance
Report Date: July 31, 2001
Proponent: Skeena Cellulose Inc.
Company/Agency: Triton Environmental Consultants Ltd.
Contact Person: Jason Harris
Contact Phone: (250) 635-1494
Contact E-Mail: jharris@triton-env.com
MELP Project Monitor: Paul Giroux
FRBC Coordinator: Todd Mahon

Table 1. List of Deliverables Submitted (Phase I)

Deliverable Product	Received	Approved (QA)
Bibliography (hardcopy and digital)		
List of Contacts (hardcopy and digital)		
Interim Maps with; • watershed boundaries • waterbodies with ILP's or watershed codes • reach breaks with NIDS • lakes with NIDS • proposed sample sites		
Reach tables (digital FDIS)		
Project Plan (hardcopy and digital)		
Lake tables (digital FDIS)		
Phase completion report (hardcopy and digital)		

Table 2. Activity Log (Phase I-III)

Date	Activity	Time Spent
June	Assign ILP's, delineate watershed boundaries	135 hours
June	Completing Reach Tables and Quality Control	45 hours
June	Completing Interim Maps and Quality Control	60 hours
June	Lakes planning and lakes information tables	30 hours
July	Completing Basin Classification, Reach Breaks, Lakes Classification and Quality Control	120 hours
July	Create contact list, bibliography, etc.	37.5 hours
July	Project Plan development	37.5 hours
July	Interim Maps/Sample Site Locations	45 hours

Summary of Work Completed

A meeting was conducted with Todd Mahon (contract monitor) to obtain information regarding the project specifications and project area.

A background data review was conducted to establish existing information within the Shelagyote watershed. These reports were obtained from the Ministry of Environment Land and Parks (MELP) office in Smithers, Skeena Cellulose in Smithers, various consultants and the BC Conservation Data Centre. A bibliography listing these reports was completed.

In the process of data collection and compilation consultants and government agencies were contacted. A list of contacts made during this process was completed.

FISS maps were reviewed and compared with the data collected during the background review. Information that was not included on the FISS maps, as well as new information gathered in Phase 4, will be transcribed to a corresponding 1:50,000 scale National Topographic Scale (NTS) map at Phase 5.

The project area boundaries were delineated on TRIM maps and all streams, wetlands and lakes were assigned, waterbody identifiers or ILPs. Watershed codes and ILPs were assigned using Arcview and FDIS.

Fourteen working TRIM map sheets are being used for the project.

Detailed map and air photo analysis was conducted in order to identify and classify sub-basins within the study area; to determine reach breaks; and to determine individual reach characteristics for all watercourses, lakes and wetlands. The delineation of sub-basins was based on stream order and hierarchy within the watershed.

All connected wetlands were identified and added to the interim maps. Wetlands with defined or partly defined channels, which convey flow, were included in the stream portion of the sampling plan. While wetlands without defined channels, or those with extensive ponding were included in the lake portion of the sampling plan.

All watercourses within the study area were divided into reaches and physical features affecting fish habitat suitability (including gradient, confinement, channel pattern and riparian vegetation) were identified.

All lakes within the study area were assigned to lake groups.

The focus of Phase 3 was to develop the detailed sampling plan and produce the planning report. The number of sample sites proposed and a brief rationale for sample site selection is provided in the project plan.

Planning for the field-sampling portion of this project followed a balanced approach between MELP requirements and licensee (SCI) operational needs. Initial sample site selection was undertaken using the FDIS random generator. Further discretionary sites were added to the initial randomly generated sampling sites. Discretionary sites were selected using the following criteria:

- existing fish species distribution data;
- strategies to determine fish distribution within each watershed; and
- licensee operational needs.

Revisions to the stream sampling plan (increased number of site, alternate site locations) will be revised at the beginning of Phase 4, which is scheduled to commence in the summer of 2001.

Table 3. Project Area Statistics

Inventory Area	Shelagyote
Project Area (Ha)	72687 a
Number of TRIM maps	14
Largest watershed (stream) order	5
Number of 3rd order basins	82
Km of streams	1906 km
Number of stream reaches	2954
Number of lakes	96

Table 4. Sample Site Summary

Inventory Area	Shelagyote
Number of Reaches	2954
Number of Reaches <30%	2259
Number of Reaches <20%	1851
Number of Reaches to be Sampled	120
Percent of Inventory Reaches to be Sampled	4.1

Progress and Problems Summary

Phase I-III was completed as scheduled. Watershed codes were assigned to a significant portion of the streams within each watershed. Searching through the watershed atlas was time consuming and much slower than using ILPs for stream delineation. The use of watershed codes will allow easier access to data management and possibly increase turnaround time for watershed code assignment from MELP.

Detailed reach planning was not conducted during the planning phases, as it is anticipated (based on previous experience) that several reaches will be moved during pre-field meetings with the licensee, ministry representatives and during the sampling program. We anticipate several changes to the sampling plan, and as discussed with Paul Giroux these changes will significantly alter the original sample site selection. Detailed reach planning forms will be completed during phase 5 and will be submitted as a deliverable for this phase.

No lakes were specifically selected for sampling, therefore no detailed lakes forms were completed. After discussions with Paul Giroux, lakes to be sampled will be selected after the conclusion of the stream sampling program. Lakes sampling will then focus on attaining information that will be of value to both MELP (watershed wide fish distribution) and the licensee (headwater lakes which support fish in ephemeral systems).

Next Phase Project Plans and Constraints

FISS updates will be provided with the Phase VI deliverables as opposed to Phase III. At that time new information gathered from the field can be incorporated into FISS.

Summary of Phase 1-3 Costs

Professional Fees	\$20,886.00
Disbursements	\$603.00
Costs as per original budget	

Contract Monitor Acceptance

Report Submitted By: Jason Harris	Date:
Phase Completion Approved:	Date:
Comments:	

PROJECT PHASE COMPLETION REPORT

PHASE 4

- **MELP Project Number:** SCI C172_010_2001
- **Contract Name:** Resource Inventory Committee Standard 1:20,000 Fish and Fish Habitat Inventory with enhanced Bull Trout inventory in the Shelagyote Watershed and north side Babine River tributaries
- **FRBC Project Number:** 716432
- **FRBC Region:** Skeena-Bulkley Region
- **MELP Region:** Skeena 06
- **FDIS Project Code:** 5098
- **Forest District:** Kispiox Forest District
- **Project Type:** 1:20 000 Reconnaissance
- **Report Date:** October 15, 2002
- **Proponent:** Skeena Cellulose Inc.
- **Company/Agency:** Triton Environmental Consultants Ltd.
- **Contact Person:** Jason Harris
- **Contact Phone:** (250) 635-1494
- **Contact E-Mail:** jharris@triton-env.com
- **MELP Project Monitor:** Paul Giroux
- **FRBC Coordinator:** Todd Mahon
- **FIA Coordinator:** Archie MacDonald
- **Proponent QA Monitor:** Chris Schell

List of Deliverables Submitted

<u>Deliverable Product</u>	<u>Received</u>	<u>Approved</u>
Site Cards	Delivered as attachment to Final Report	
Fish Collection Forms/Individual Fish Data Forms	Delivered as attachment to Final Report	
Additional Sampling Table	Delivered as attachment to Final Report	
Phase Completion Report		
Phase 2 Quality Assurance	Delivered as attachment to Final Report	

At Paul Giroux's request, some of the above listed items will be delivered at project completion (as attachments to the final report or appendices).

Activity Log

<u>Date</u>	<u>Activity</u>
August 5 – September 14, 2001 and September 8 & 21, 2002	Gear up, travel, fieldwork and gear down for stream inventory in the Kispiox Forest District.

Summary of Work Completed

Total number of stream reaches sampled: 152

Summary of Phase Costs

Professional Fees \$20,037.00
Disbursements \$33,248.00

Progress and Problems Summary

Phase 4 was completed as scheduled. Sampling during late summer periods allowed crews to assess habitat during low flow conditions and gave a good representation of stream habitats throughout the year.

Identification of obstructions/barriers was critical to describing and assessing fisheries distribution within the sampled watersheds. Field crews tried to identify obstructions/barriers while on site, by either using a helicopter recce of the stream or by strategically moving sample sites while still in the field.

Field crews were in constant contact with Paul Giroux (Regional Fisheries Biologist) and Todd Mahon (FRBC contract monitor) when the originally proposed plan needed modifications. Modifications of the original plan were used to provide additional fisheries information for the working area.

Next Phase Project Plans and Constraints

The project will now proceed with data compilation and reporting.

Contract Monitor Acceptance

Report Submitted By: Jason Harris	Date: October 15, 2002
Phase Completion Approved:	Date:
Comments:	

PROJECT PHASE COMPLETION REPORT

PHASE 5/6

- **MELP Project Number:** SCI_C172_010_2001
- **Contract Name:** Resource Inventory Committee Standard 1:20,000 Fish and Fish Habitat Inventory with enhanced Bull Trout inventory in the Shelayote Watershed and north side Babine River tributaries
- **FRBC Project Number:** 716432
- **FRBC Region:** Skeena-Bulkley Region
- **MELP Region:** Skeena 06
- **FDIS Project Code:** 5098
- **Forest District:** Kispiox Forest District
- **Project Type:** 1:20 000 Reconnaissance
- **Report Date:** January 15, 2003
- **Proponent:** Skeena Cellulose Inc.
- **Company/Agency:** Triton Environmental Consultants Ltd.
- **Contact Person:** Jason Harris
- **Contact Phone:** (250) 635-1494
- **Contact E-Mail:** jharris@triton-env.com
- **MELP Project Monitor:** Paul Giroux
- **FRBC Coordinator:** Todd Mahon
- **FIA Coordinator:** Archie MacDonald
- **Proponent QA Monitor:** Chris Schell

List of Deliverables Submitted

<u>Deliverable Product</u>	<u>Received</u>	<u>Approved (QA)</u>
FDIS Site Cards (in watershed reports)		
FDIS Fish Collection Forms (in watershed reports)		
FDIS Database (as attachment)		
Planning Document (as attachment)		
Field Notes (as attachment)		
Fish Ageing Structures (as attachment)		
Photodocumentation (as attachment)		
Digital Data (as attachment)		
FISS update data (as attachment)		
Final Reports (hardcopy and digital)		
Project Overview Map		
Interpretive Maps		
Project Maps		

Activity Log

<u>Date</u>	<u>Activity</u>	<u>Time Spent</u>
October - November 2002	site card entry	15 Days
November - December 2002	fish collection form entry	20 Days
November - December 2002	photo development/scanning/printing	20 Days
November - December 2002	watershed reporting	40 Days
January - February 2003	mapping project/interpretive/overview	29 Days

Summary of Work Completed

Total number of stream reaches processed: 152

Summary of Phase I-III Costs

Professional Fees	\$20,886.00
Disbursements	\$603.00

Summary of Phase IV Costs

Professional Fees	\$20,037.00
Disbursements	\$33,248.00

Summary of Phase V Costs

Professional Fees	\$10,278.00
Disbursements	\$780.00

Summary of Phase VI Costs

Professional Fees	\$27,691.00
Disbursements	\$3,060.00

Progress and Problems Summary

The reporting and mapping procedures followed those outlined in the *Reconnaissance (1:20,000) Inventory Standards* and includes additional data not otherwise required. The digitally produced maps include all information as per RIC standards and the contract. These maps include: watershed codes; ILP's; stream names; waterbody identifiers; stream networks; reach breaks; fish sampling/site card locations; fisheries sensitive zones; fish species; and features.

All data entered into FDIS was audited using MELP's QA/QC tool prior to inclusion into the watershed reports.

Next Phase Project Plans and Constraints

Nid to UTM conversions will be completed post QA/QC.

Triton will complete digital mapping QA internally after QA/QC has been completed.

Contract Monitor Acceptance

Report Submitted By: Jason Harris	Date: January 15, 2003
Phase Completion Approved:	Date:
Comments:	

APPENDIX III

Quality Assurance Forms and Correspondence

February 17, 2003

Jason Harris
Triton Environmental Consultants Ltd.
#300-4546 Park Ave.
Terrace, BC, V8G 1V4

Re: Stage 1 QA on phases 1-3 pre-field planning for fish and fish habitat inventory in the Shelagyote River area (Shelagyote River, Cayuse Jack Creek, Le Clair Creek, Shenismike Creek)

Jason:

The stage 1 quality assurance (QA) review of the 1:20k stream inventory program conducted by Triton Environmental Consultants Ltd. for SCI Carnaby has been completed. Resources Inventory Committee standard QA forms were filled-out during the audit and are included with this letter. These forms list objectives that were met and comments pertaining to any problems that were identified during the QA review.

The list of deliverables, the list of contacts, and the list of references were essentially complete. ILPs tables were all fine though I noted a few minor tributaries over 100m in length that were missed during ILP designation. I also noted a few mis-labeled reaches on the project maps. These are listed on the last page of the report. The stream and lake checks found only well below the maximum allowable errors.

The sampling plan was based on FDIS random samples plus a number of bias samples placed strategically to determine the upstream limits of fish distribution and establish connectivity between watersheds. Historical information was used in preparing the sampling plan.

Overall, this project has no significant errors and has passed QA. If you have any questions regarding the information presented in this memo or in the QA forms, please contact me by e-mail (schell@bulkley.net) or by telephone (250-846-9059).

Sincerely,

Chris Schell, MSc, RPBio
QA/QC Monitor
Fish and Fish Habitat Inventory

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

Project name: 1:20 k Rec. F&FHI in the Shelagyote River Area.
FRBC project number: 716432 MELP project number: SCI-C172-010-2001
Submitted by: Triton Environmental Consultants Ltd
QA review by: Chris Schell Review date: February, 2003

FORM 1A DELIVERABLE CHECKLIST FOR PRE-FIELD – PAGE 1 OF 1

Check to ensure that a pre-field project planning report was received with all the associated deliverable products.

Deliverable	Hardcopy	Digital	Comments
1. Cover page	Y	Y	
2. List of digital products	Y	Y	
3. Overview map	Y	Y	
4. FISS map	-	-	To be submitted with phase 5-6
5. Existing data review	Y	Y	
• list of references	Y	Y	
• list of contacts	Y	Y	
• new FISS information summary and products	-	-	To be submitted with phase 5-6
6. ILP data*	Y		
• ILP data sheets	Y		
• ILP maps	Y		
• ILP information sent to ministry	?	?	Not mentioned anywhere
7. Interim maps*	Y	NA	
8. FDIS database	Y	Y	
9. Sampling design sheets	Y	Y	
10. Aerial video record (optional)	NA	NA	
11. Project plan	Y	Y	

Approved: **Y**

Comments:

Recommended actions:

Confirm with me that the ILP data was indeed sent to the ministry. An email was sent to Chris Schell.

* If ILP maps and ILP data sheets have been sent to the ministry for processing, ILPs must be shown on the interim maps to allow QA to proceed.

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

Project name: 1:20 k Rec. F&FHI in the Shelagyote River Area.
 FRBC project number: 716432 MELP project number: SCI-C172-010-2001
 Submitted by: Triton Environmental Consultants Ltd
 QA review by: Chris Schell Review date: February, 2003

FORM 1B

EXISTING DATA REVIEW – PAGE 1 OF 1

Deliverable	Deliverable check	Acceptable Y/N	Comments
List of contacts	Is list of contacts provided in acceptable format?	Y	
	Have all relevant contacts for the project area in question been pursued?	Y	
	• If NO, report known important contacts not provided on list.		
Bibliography	Is bibliography provided in acceptable format?	Y	
	Does the bibliography adequately cover the information known to be available for the project area in question?	Y	
	• If NO, report known available information that was not provided in bibliography.		
FISS information	Has FISS update information been provided for new sources of fisheries information that were not referenced in FISS as required in the contract:	NA	To be submitted with the final FISS update forms.
	• FISS forms		
	• clean NTS maps		
	• a copy of each new source provided		
	• a reference to each new source provided		
	• If NO, report required information not provided.		

Approved: Y

Comments:

Recommended actions:

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

Project name: 1:20 k Rec. F&FHI in the Shelagyote River Area.
 FRBC project number: 716432 MELP project number: SCI-C172-010-2001
 Submitted by: Triton Environmental Consultants Ltd
 QA review by: Chris Schell Review date: February, 2003

FORM 1D COMBINED CHECK OF STREAM REACH DATA – PAGE 1 OF 4

List of reaches checked (FDIS /maps/air photos) 1-10 sampled reaches

	1	2	3	4	5	6	7	8	9	10
NID	11034	11083	11171	11206	11304	11422	13065	13183	13273	13368
Map	93m.094	93m.094	93m.094	93m.094	93m.094	93m.094	93m.084	93m.084	93m.084	93m.084

For all reaches	1	2	3	4	5	6	7	8	9	10	Comments
Watershed code or ILP # and ILP map #											
ILP sheet, FDIS, ILP (or interim) map all match											
NID # and NID map # or UTM (optional, but no errors allowed; do not include in marking scheme)											
TRIM map number											
Reach number											
Reach break location											
Reach map symbol											
Map status											
Order			x								
Upstream/Downstream elevation											
Length											
Pattern			X								
Confinement											
AN/BR											
Basin type											
Total errors	0	0	1	0	0	0	0	0	0	0	1
Shaded cell errors											
Features	1	2	3	4	5	6	7	8	9	10	Comments
NID and NID map number											
Map symbol											
Total errors											
Shaded cell errors											

Note: Any error identified in a shaded cell constitutes a failure.

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

Project name: 1:20 k Rec. F&FHI in the Shelagyote River Area.
 FRBC project number: 716432 MELP project number: SCI-C172-010-2001
 Submitted by: Triton Environmental Consultants Ltd
 QA review by: Chris Schell Review date: February, 2003

FORM 1D CONTINUED – PAGE 2 OF 4

Reaches to be field sampled	1	2	3	4	5	6	7	8	9	10	Comments
BCG zone											
Setting											
Open water											
Coupling											
Valley flat											
Active floodplain											
Islands											
Bars											
Disturbance indicators											
Mass movement											
Riparian vegetation											
Exposed/Eroded											
Land use											
Total errors											

Comments:

3) if the small un-labeled drainage in this watershed was counted, then this would be a 3rd order watershed. Also, I would call the pattern of this reach closer to irregular. Small drainage insignificant and would not reflect a 3rd order drainage.

Recommended actions:

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

Project name: 1:20 k Rec. F&FHI in the Shelagyote River Area.
 FRBC project number: 716432 MELP project number: SCI-C172-010-2001
 Submitted by: Triton Environmental Consultants Ltd
 QA review by: Chris Schell Review date: February, 2003

FORM 1D COMBINED CHECK OF STREAM REACH DATA – PAGE 3 OF 4

List of reaches checked (FDIS /maps/air photos)

	1	2	3	4	5	6	7	8	9	10
NID	13408	13475	13574	13710	13838	14052	14100	15145	15244	18421
Map #	93m.84	93m.084	93m.084	93m.084	93m.084	93m.085	93m.085	93m.074	93m.074	93m.074

For all reaches	1	2	3	4	5	6	7	8	9	10	Comments
Watershed code or ILP # and ILP map #											
ILP sheet, FDIS, ILP (or interim) map all match											
NID # and NID map # or UTM (optional, but no errors allowed; do not include in marking scheme)											
TRIM map number											
Reach number											
Reach break location											
Reach map symbol											
Map status											
Order											
Upstream/Downstream elevation								X	X		
Length											
Pattern			X								
Confinement											
AN/BR											
Basin type											
Total errors	0	0	1	0	0	0	0	1	1	0	3
Shaded cell errors											
Features	1	2	3	4	5	6	7	8	9	10	Comments
NID and NID map number											
Map symbol											
Total errors											
Shaded cell errors											

Note: Any error identified in a shaded cell constitutes a failure.

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

Project name: 1:20 k Rec. F&FHI in the Shelagyote River Area.
 FRBC project number: 716432 MELP project number: SCI-C172-010-2001
 Submitted by: Triton Environmental Consultants Ltd
 QA review by: Chris Schell Review date: February, 2003

FORM 1D CONTINUED – PAGE 4 OF 4

Reaches to be field sampled	1	2	3	4	5	6	7	8	9	10	Comments
BCG zone											
Setting											
Open water											
Coupling											
Valley flat											
Active floodplain											
Islands											
Bars											
Disturbance indicators											
Mass movement											
Riparian vegetation											
Exposed/Eroded											
Land use											
Total errors											

Comments:

- 3) this doesn't look like torturous meanders to me. I'd call it regular or irregular meanders. Changed to IM.
 8) appears to be a problem with upstream/downstream elevations at this site. Gradient will also be affected. Corrected elevations R7, R6, R5 and associated Gradient (%).
 9) also appears to be a similar problem here but it will not affect the gradients. Changed in FDIS.

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

Project name: 1:20 k Rec. F&FHI in the Shelagvot River Area.
 FRBC project number: 716432 MELP project number: SCI-C172-010-2001
 Submitted by: Triton Environmental Consultants Ltd
 QA review by: Chris Schell Review date: February, 2003

FORM 1D COMBINED CHECK OF STREAM REACH DATA – PAGE 3 OF 4

List of reaches checked (FDIS /maps/air photos) 1-7 sampled, 8-10 unsampled reaches

	1	2	3	4	5	6	7	8	9	10
NID	15589	15633	15701	17505	18058	18163	18258	18310	18429	18475
Map #	93m.074	93m.074	93m.074	93m.0063	93m.064	93m.064	93m.064	93m.064	93m.064	93m.064

For all reaches	1	2	3	4	5	6	7	8	9	10	Comments
Watershed code or ILP # and ILP map #											
ILP sheet, FDIS, ILP (or interim) map all match											
NID # and NID map # or UTM (optional, but no errors allowed; do not include in marking scheme)											
TRIM map number											
Reach number											
Reach break location											
Reach map symbol											
Map status											
Order											
Upstream/Downstream elevation				X							
Length											
Pattern						X					6) sinuous, not irregular Changed in FDIS
Confinement											
AN/BR											
Basin type											
Total errors	0	0	0	1	0	1	0	0	0	0	2
Shaded cell errors											
Features	1	2	3	4	5	6	7	8	9	10	Comments
NID and NID map number											
Map symbol											
Total errors											
Shaded cell errors											

Note: Any error identified in a shaded cell constitutes a failure.

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

Project name: 1:20 k Rec. F&FHI in the Shelagvote River Area.
 FRBC project number: 716432 MELP project number: SCI-C172-010-2001
 Submitted by: Triton Environmental Consultants Ltd
 QA review by: Chris Schell Review date: February, 2003

FORM 1D CONTINUED – PAGE 4 OF 4

Reaches to be field sampled	1	2	3	4	5	6	7	8	9	10	Comments
BCG zone											
Setting											
Open water											
Coupling											
Valley flat											
Active floodplain											
Islands											
Bars											
Disturbance indicators											
Mass movement											
Riparian vegetation											
Exposed/Eroded											
Land use											
Total errors											

QA Summary

	All reaches		Features		Sampled reaches	
Number of reaches sampled	30		0		27	
Number of marks (N reaches sampled × attributes)	N×15	450	N×2		N×13	351
Maximum errors acceptable (12% of marks)	54		na		42	
Number of errors found	6					
Is the number of errors acceptable (Y/N)	Y					
Number of errors in zero-tolerance attributes						

Approved: **Y**

Comments:

4) upstream elevation appears to be a bit off. Could not locate NID in FDIS (possible typo?).

Recommended actions:

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

Project name: 1:20 k Rec. F&FHI in the Shelagyote River Area.
 FRBC project number: 716432 MELP project number: SCI-C172-010-2001
 Submitted by: Triton Environmental Consultants Ltd
 QA review by: Chris Schell Review date: February, 2003

FORM 1E

COMBINED CHECK OF PRE-FIELD LAKE INFORMATION – PAGE 1 OF 1

	1	2	3	4	5	6	7	8	9	10
ILP # or WBID	00090 BABL	00647 BABL	00495 BABL	20359	20404	20126	01285 BABR	0953 BABR	00713 BABR	01356 BABR
Reach #	9	6	7	2	2	2	3	12	13	5
Map #	93m.094	93m.084	93m.084	93m.084	93m.084	93m.074	93m.074	93m.074	93m.075	93m.064

Attribute	1	2	3	4	5	6	7	8	9	10	Comments
Official name											
Alias or local name											
WSC and waterbody identifier "or"											
ILP number and ILP map number											
NID # and NID map #											
Reach number											
Basin type											
Group											
Class (P/S)											
Genesis											
Surface area											
Magnitude	X										Should be 0 Changed in FDIS.
Biogeoclimatic zone											
Wetland											
Total errors for each lake											

QA Summary

	Lakes	
Number of lakes sampled	10	
Number of marks (N lakes sampled x attributes)	N×13	130
Maximum errors acceptable (12% of marks)	15.6	
Number of errors found	1	
Is the number of errors acceptable (Y/N)	Y	
Number of errors in zero-tolerance attributes	0	

Approved: **Y**
 Comments:
 Recommended actions :

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

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FORM 1G STREAM SAMPLING DESIGN – PAGE 1 OF 1

	Acceptable (Y/N)	Comment
Is the inventory watershed based (i.e., entire watershed)?	Y	Couple of watersheds
Are random reaches selected for sampling based on the FDIS statistical sampling design?	Y	Though many were moved with regional inventory specialist permission
For low gradient or small/medium sized streams, is the sample size of reaches ≥ 8 ?	Y	
For higher gradient (20–30%) or large sized streams, is the minimum sample size 2 and maximum 25?	Y	
Are discretionary reach samples included?		
• above or below barriers	Y	
• adjacent to identified cutblocks	Y	
• major inlets and outlets to secondary lakes	NA	
• of inlets and outlets to primary lakes	NA	
• to achieve connectivity within sub-basins for fish distribution and identification of upstream limits.	Y	
Are proposed reach sample sites shown on TRIM maps with solid and dashed green lines?	Y	
Are planning tables complete with gear and voucher requirements indicated?	NA	Plans for gear and vouchers are listed in the report
Does the distribution of sample sites adequately represent all basin types and basin connectivities.	Y	
Is the overall sampling rate (sample number vs total number of reaches) acceptable?	-	4.1% acceptable for a project area of this size.
Does the sample design adequately cover the requirements for a reconnaissance inventory?	Y	

Note: Any error identified in a shaded cell constitutes a failure.

Approved: Y

Comments:

Recommended actions:

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

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QA review by: Chris Schell Review date: February, 2003

FORM 1H LAKES SAMPLING DESIGN – PAGE 1 OF 1

	Acceptable (Y/N)	Comment
Is the lakes planning table complete and accurate (including classification of lakes as primary, secondary or not sampled)?		
Will all identified primary lakes be sampled?		
Is there at least one lake from each lake group identified that will be sampled?		
Will at least 20% of all identified secondary lakes be sampled?		
Is justification provided for those lakes that will not be sampled?		
Are lakes proposed for sampling outlined on TRIM maps with solid and dashed green lines?		
Are planning tables complete with gear and voucher requirements indicated?		
Does the sample design adequately cover the requirements for a reconnaissance inventory? If no, the sampling design is rejected.	NA	No lake sampling is anticipated.

Approved: Y

Comments:

No lake sampling is planned.

Recommended actions:

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

Project name: 1:20 k Rec. F&FHI in the Shelagyote River Area.
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FORM 1I PROJECT PLAN – PAGE 1 OF 1

	Acceptable (Y/N)	Comment
Does the project plan cover field inventory procedures?	Y	
Does the project plan cover data compilation?	Y	
Does the plan cover reporting requirements?	Y	
Does the plan include proposed staff for field phase?	Y	
Has existing data been considered and used in the project plan?	Y	
Have sampling intentions of relevant WRP projects or other inventory project requirements been incorporated into the plan to avoid duplication?	Y	
Has the plan integrated the sampling of lake and stream habitats, in particular, with any aerial over flights and sampling of lake tributaries?	Y	
Have requirements for effective sampling methods in relation to stream reach and lake types been addressed?	Y	
Have requirements for biological and water samples been properly considered?	Y	
• water sampling particularly in primary lakes • fish voucher specimens • other samples.		
Does and should the plan incorporate any special fish species level inventory needs on a provincial or regional scale?	Y	Bull trout specific inventory should be considered.
Are budget and schedule adequate to complete the project as planned?	Y	
If the answer to any of the above is no, is this going to have an impact on the inventory project? If so, the project plan is rejected.		

Approved: **Y**
 Comments:

Recommended actions:
 Have a nice day.

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

Project name: 1:20 k Rec. F&FHI in the Shelagvot River Area.
FRBC project number: 716432 MELP project number: SCI-C172-010-2001
Submitted by: Triton Environmental Consultants Ltd
QA review by: Chris Schell Review date: February, 2003

ILP check:

- Small trib to #10229 — Insignificant.
- Small trib to reach 2 of -43800-26600 Same wetland reach.
- Small trib to reach #10248 Same wetland reach.
- Small trib to #10438 Insignificant trib.

Reach check:

- mis-label on 69300-18900 at the top of mapsheet 93m.084 Fixed
- mis label R4 on #11248 is labeled R1 at the top to mapsheet 93m.074 Fixed
- mis-label reaches on -19700-34400 between 93m.074 and 73m.075 Fixed on Map

Shelagyote Study Area FDIS QA

Owner	Field Name	ILP/WSC	Reach	Site	NID Map	NID	Comment	Triton Comment
FISH FORM	FISH EF SPECS	480-195700-48200-00000-0000-0000-000-000	1				EF Length 250 must be >= 251.7 for Site # 15; Method & #: EF/1; H/P: 1	Field site was 250 m.
FISH FORM	SITE/METHOD	480-195700-80300-00000-0000-0000-000-000	1				Stream Conductivity missing for Site # 620; Method & #: AG/1	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000	6				Stream Conductivity missing for Site # 621; Method & #: AG/1	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000	6				Stream Conductivity missing for Site # 621; Method & #: AG/2	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000	6				Stream Conductivity missing for Site # 622; Method & #: AG/1	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000	6				Stream Conductivity missing for Site # 622; Method & #: AG/2	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000	6				Stream Conductivity missing for Site # 623; Method & #: AG/1	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000	6				Stream Conductivity missing for Site # 623; Method & #: AG/2	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000	6				Stream Conductivity missing for Site # 624; Method & #: AG/1	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000	6				Stream Conductivity missing for Site # 624; Method & #: AG/2	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000	4				Stream Conductivity missing for Site # 626; Method & #: AG/1	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000	4				Stream Conductivity missing for Site # 626; Method & #: AG/2	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000	4				Stream Conductivity missing for Site # 627; Method & #: AG/1	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	00000-0000-0000-000-00	4				Stream Conductivity missing for Site # 627; Method & #: AG/2	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000	2				Stream Conductivity missing for Site # 628; Method & #: AG/1	Angling site. Conductivity not recorded.

Triton Environmental Consultants Ltd.

3377/T-1219
Page 2

Triton Environmental Consultants Ltd.

3377/T-1219
Page 3

Triton Environmental Consultants Ltd.

3377/T-1219

Shelagyte Study Area FDIS QA

Owner	Field Name	ILP/WSC	Reach	Site	NID Map	NID	Comment	Triton Comment
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000-000-000	1				Stream Conductivity missing for Site # 909; Method & #: AG/2	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000-000-000	1				Stream Conductivity missing for Site # 910; Method & #: AG/1	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000-000-000	1				Stream Conductivity missing for Site # 910; Method & #: AG/2	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000-000-000	2				Stream Conductivity missing for Site # 911; Method & #: AG/1	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000-000-000	2				Stream Conductivity missing for Site # 911; Method & #: AG/2	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000-000-000	2				Stream Conductivity missing for Site # 911; Method & #: VO/1	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000-000-000	4				Stream Conductivity missing for Site # 912; Method & #: AG/1	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000-000-000	4				Stream Conductivity missing for Site # 912; Method & #: AG/2	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000-000-000	5				Stream Conductivity missing for Site # 913; Method & #: AG/1	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000-000-000	5				Stream Conductivity missing for Site # 913; Method & #: AG/2	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000-000-000	6				Stream Conductivity missing for Site # 922; Method & #: AG/1	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000-000-000	1				Stream Conductivity missing for Site # 923; Method & #: AG/1	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000-000-000	6				Stream Conductivity missing for Site # 980; Method & #: AG/1	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000-000-000	7				Stream Conductivity missing for Site # 981; Method & #: AG/1	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000-000-000	4				Stream Conductivity missing for Site # 982; Method & #: AG/1	Angling site. Conductivity not recorded.

Shelagoyote Study Area FDIS QA

Owner	Field Name	ILP/WSC	Reach	Site	NID Map	NID	Comment	Triton Comment
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-000-000-000	2				Stream Conductivity missing for Site # 983; Method & #: AG/1	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-000-000-000	2				Stream Conductivity missing for Site # 984; Method & #: AG/1	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-000-000-000	1				Stream Conductivity missing for Site # 985; Method & #: AG/1	Angling site. Conductivity not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-000-000-000	4				Stream Temp required for Site # 678; Method & #: AG/1	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-000-000-000	4				Stream Temp required for Site # 678; Method & #: AG/2	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-000-000-000	5				Stream Temp required for Site # 772; Method & #: AG/1	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-000-000-000	5				Stream Temp required for Site # 772; Method & #: AG/2	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-000-000-000	2				Stream Temp required for Site # 774; Method & #: AG/1	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-000-000-000	2				Stream Temp required for Site # 774; Method & #: AG/2	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-000-000-000	1				Stream Temp required for Site # 775; Method & #: AG/1	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-000-000-000	1				Stream Temp required for Site # 775; Method & #: AG/2	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-000-000-000	4				Stream Temp required for Site # 779; Method & #: AG/1	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	00000-0000-0000-000-000-000	4				Stream Temp required for Site # 779; Method & #: AG/2	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-000-000-000	4				Stream Temp required for Site # 780; Method & #: AG/1	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-000-000-000	4				Stream Temp required for Site # 780; Method & #: AG/2	Angling site. Stream temperature not recorded.

Shelagyote Study Area FDIS QA

Owner	Field Name	ILP/WSC	Reach	Site	NID Map	NID	Comment	Triton Comment
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000	2				Stream Temp required for Site # 781; Method & #: AG/1	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000	2				Stream Temp required for Site # 781; Method & #: AG/2	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000	1				Stream Temp required for Site # 782; Method & #: AG/1	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000	1				Stream Temp required for Site # 782; Method & #: AG/2	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000	1				Stream Temp required for Site # 782; Method & #: VO/1	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000	1				Stream Temp required for Site # 909; Method & #: AG/1	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000	1				Stream Temp required for Site # 909; Method & #: AG/2	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000	1				Stream Temp required for Site # 910; Method & #: AG/1	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000	1				Stream Temp required for Site # 910; Method & #: AG/2	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000	2				Stream Temp required for Site # 911; Method & #: AG/1	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000	2				Stream Temp required for Site # 911; Method & #: AG/2	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000	2				Stream Temp required for Site # 911; Method & #: VO/1	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000	4				Stream Temp required for Site # 912; Method & #: AG/1	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000	4				Stream Temp required for Site # 912; Method & #: AG/2	Angling site. Stream temperature not recorded.
FISH FORM	SITE/METHOD	480-195700-00000-00000-0000-0000-000-000-000	5				Stream Temp required for Site # 913; Method & #: AG/1	Angling site. Stream temperature not recorded.

Triton Environmental Consultants Ltd.

3377/T-1219
Page 8

Shelagoyote Study Area FDIS QA

Owner	Field Name	ILP/WSC	Reach	Site	NID Map	NID	Comment	Triton Comment
SITE CARD	ed Moveable Partic	480-195700-16200-33900-0000-0000-000-000-000-000-000-000	2	47	093M.065	22047	D95 is less than D.	Field estimate
SITE CARD	ed Moveable Partic	480-195700-40600-00000-0000-0000-000-000-000-000-000	4	242	093M.074	20042	D95 is less than D.	Field estimate
SITE CARD	ed Moveable Partic	480-195700-80300-00000-0000-0000-000-000-000-000-000	6	228	093M.094	20028	D95 is less than D.	Field estimate
SITE CARD	ed Moveable Partic	480-195700-82900-00000-0000-0000-000-000-000-000-000	6	28	093M.094	22028	D95 is less than D.	Field estimate
REACH CARD	REACH CARD	480-195700-69300-18900-0000-0000-000-000-000-000-000-000	8		093M.094	11262	Downstream elevation 1034 for Reach:8 is less then upstream elevation 1302 of Reach:6	FDIS does not recognize lakes or wetlands as part of the larger watershed
REACH CARD	REACH CARD	480-093700-00000-00000-0000-0000-000-000-000-000-000-000	8		093M.064	18366	Downstream elevation 1262 for Reach:8 is greater then upstream elevation 1252 of Reach:6	FDIS does not recognize lakes or wetlands as part of the larger watershed
REACH CARD	REACH CARD	480-195700-69300-00000-0000-0000-000-000-000-000-000	10		093M.094	11322	Downstream elevation 1385 for Reach:10 is greater then upstream elevation 1368 of Reach:8	FDIS does not recognize lakes or wetlands as part of the larger watershed
FISH FORM	FISH DATA	480-195700-00000-00000-0000-0000-000-000-000-000-000-000	2				Fish Photo record missing in Photo Document. Create Fish photos in Update Image & CD screen for Site # 629; Method & #: AG/1; H/P: 1	No comment
REACH CARD	PATTERN	10414	1		093M.074	15374	Gradient cannot exceed 8% when the Reach Pattern is IM/ME	No comment
REACH CARD	PATTERN	10691	1		093M.075	16036	Gradient cannot exceed 8% when the Reach Pattern is IM/ME	No comment
REACH CARD	PATTERN	10881	1		093M.084	13238	Gradient cannot exceed 8% when the Reach Pattern is IM/ME	No comment
REACH CARD	PATTERN	10938	2		093M.084	13388	Gradient cannot exceed 8% when the Reach Pattern is IM/ME	No comment
REACH CARD	PATTERN	11002	1		093M.084	13422	Gradient cannot exceed 8% when the Reach Pattern is IM/ME	No comment

Triton Environmental Consultants Ltd.

3377/T-1219
Page 10

Shelagoyote Study Area FDIS QA

Owner	Field Name	ILP/WSC	Reach	Site	NID Map	NID	Comment	Triton Comment
REACH CARD	PATTERN	480-195700-69300-28300-0000-0000-000-000-000-000-000-000	1		093M.084	13630	Gradient cannot exceed 8% when the Reach Pattern is IM/ME	No comment
SITE CARD	CONFINEMENT	480-195700-40600-00000-0000-0000-000-000-000-000-000-000	5	44	093M.084	22044	if Confinement CO then Reach Confinement should = EN or CO or FC. Warning Only, do not change if Reach confinement matches map.	Field estimate differs from reach planning information.
SITE CARD	CONFINEMENT	480-195700-48200-52400-0000-0000-000-000-000-000-000-000	2	19	093M.084	22019	if Confinement CO then Reach Confinement should = EN or CO or FC. Warning Only, do not change if Reach confinement matches map.	Field estimate differs from reach planning information.
SITE CARD	CONFINEMENT	480-195700-69300-28300-0000-0000-000-000-000-000-000-000	1	36	093M.084	22036	if Confinement CO then Reach Confinement should = EN or CO or FC. Warning Only, do not change if Reach confinement matches map.	Field estimate differs from reach planning information.
SITE CARD	CONFINEMENT	10885	1	240	093M.084	20040	if Confinement FC then Reach Confinement should = CO or FC or OC. Warning Only, do not change if Reach confinement matches map.	Field estimate differs from reach planning information.
SITE CARD	CONFINEMENT	480-160900-00000-00000-0000-0000-000-000-000-000-000-000	2	247	093M.065	20047	if Confinement FC then Reach Confinement should = CO or FC or OC. Warning Only, do not change if Reach confinement matches map.	Field estimate differs from reach planning information.
SITE CARD	CONFINEMENT	480-160900-00000-00000-0000-0000-000-000-000-000-000-000	4	205	093M.064	20005	if Confinement FC then Reach Confinement should = CO or FC or OC. Warning Only, do not change if Reach confinement matches map.	Field estimate differs from reach planning information.
SITE CARD	CONFINEMENT	480-195700-48200-00000-0000-0000-000-000-000-000-000-000	1	15	093M.084	22015	if Confinement FC then Reach Confinement should = CO or FC or OC. Warning Only, do not change if Reach confinement matches map.	Field estimate differs from reach planning information.
SITE CARD	CONFINEMENT	480-195700-48200-36200-0000-0000-000-000-000-000-000-000	1	18	093M.084	22018	if Confinement FC then Reach Confinement should = CO or FC or OC. Warning Only, do not change if Reach confinement matches map.	Field estimate differs from reach planning information.

Triton Environmental Consultants Ltd.

3377/T-1219
Page 12

Shelagoyote Study Area FDIS QA

Owner	Field Name	LP/WSC	Reach	Site	NID Map	NID	Comment	Triton Comment
REACH CARD	REACH CARD	480-195700-00000-00000-0000-000-000-000	2		093M.074	15753	Reach Length is greater then the User specified Reach Maximum	No comment
REACH CARD	REACH CARD	480-195700-00000-00000-0000-000-000-000	4		093M.074	15437	Reach Length is greater then the User specified Reach Maximum	No comment
REACH CARD	REACH CARD	480-195700-00000-00000-0000-000-000-000	5		093M.094	11057	Reach Length is greater then the User specified Reach Maximum	No comment
REACH CARD	REACH CARD	480-195700-31500-00000-0000-000-000-000					Reach Number 1 is missing.	FDIS does not recognize lakes or wetlands as part of the larger watershed
REACH CARD	REACH CARD	480-195700-34400-85200-0000-000-000-000					Reach Number 1 is missing.	FDIS does not recognize lakes or wetlands as part of the larger watershed
REACH CARD	REACH CARD	480-195700-69300-00000-0000-000-000-000					Reach Number is out of order. Reach ID: 10 doesn't exist.	FDIS does not recognize lakes or wetlands as part of the larger watershed
REACH CARD	REACH CARD	480-160900-00000-00000-0000-000-000-000					Reach Number is out of order. Reach ID: 11 doesn't exist.	FDIS does not recognize lakes or wetlands as part of the larger watershed
REACH CARD	REACH CARD	480-160900-00000-00000-0000-000-000-000					Reach Number is out of order. Reach ID: 13 doesn't exist.	FDIS does not recognize lakes or wetlands as part of the larger watershed
REACH CARD	REACH CARD	480-195700-00000-00000-0000-000-000-000					Reach Number is out of order. Reach ID: 15 doesn't exist.	FDIS does not recognize lakes or wetlands as part of the larger watershed
REACH CARD	REACH CARD	480-160900-00000-00000-0000-000-000-000					Reach Number is out of order. Reach ID: 17 doesn't exist.	FDIS does not recognize lakes or wetlands as part of the larger watershed
REACH CARD	REACH CARD	480-195700-34400-21000-0000-000-000-000					Reach Number is out of order. Reach ID: 3 doesn't exist.	FDIS does not recognize lakes or wetlands as part of the larger watershed
REACH CARD	REACH CARD	480-195700-65049-00000-0000-000-000-000					Reach Number is out of order. Reach ID: 3 doesn't exist.	FDIS does not recognize lakes or wetlands as part of the larger watershed
REACH CARD	REACH CARD	480-093700-01800-00000-0000-000-000-000					Reach Number is out of order. Reach ID: 4 doesn't exist.	FDIS does not recognize lakes or wetlands as part of the larger watershed
REACH CARD	LAKE CARD	480-195700-69200-00000-0000-000-000-000					Reach Number is out of order. Reach ID: 7 doesn't exist.	FDIS does not recognize lakes or wetlands as part of the larger watershed
REACH CARD	REACH CARD	480-069500-52800-00000-0000-000-000-000					Reach Number is out of order. Reach ID: 8 doesn't exist.	FDIS does not recognize lakes or wetlands as part of the larger watershed

Shelagyte Study Area FDIS QA

Owner	Field Name	ILP/WSC	Reach	Site	NID Map	NID	Comment	Triton Comment
REACH CARD	REACH CARD	480-093700-00000-00000-0000-000-000-000					Reach Number is out of order. Reach ID: 8 doesn't exist.	FDIS does not recognize lakes or wetlands as part of the larger watershed
REACH CARD	REACH CARD	480-160900-43800-00000-0000-0000-000-000-000-000-000					Reach Number is out of order. Reach ID: 8 doesn't exist.	FDIS does not recognize lakes or wetlands as part of the larger watershed
REACH CARD	REACH CARD	480-195700-62000-00000-0000-0000-000-000-000-000-000					Reach Number is out of order. Reach ID: 8 doesn't exist.	FDIS does not recognize lakes or wetlands as part of the larger watershed
REACH CARD	REACH CARD	480-195700-66900-00000-0000-0000-000-000-000-000-000					Reach Number is out of order. Reach ID: 8 doesn't exist.	FDIS does not recognize lakes or wetlands as part of the larger watershed
REACH CARD	REACH CARD	480-195700-69300-18900-0000-0000-000-000-000-000-000-000					Reach Number is out of order. Reach ID: 8 doesn't exist.	FDIS does not recognize lakes or wetlands as part of the larger watershed
REACH CARD	REACH CARD	480-160900-00000-00000-0000-0000-000-000-000-000-000-000					Reach Number is out of order. Reach ID: 9 doesn't exist.	FDIS does not recognize lakes or wetlands as part of the larger watershed
REACH CARD	REACH CARD	480-195700-80300-52200-0000-0000-000-000-000-000-000-000					Reach Number is out of order. Reach ID: 9 doesn't exist.	FDIS does not recognize lakes or wetlands as part of the larger watershed
SITE CARD	FEATURE	480-149000-00000-00000-0000-0000-000-000-000-000-000-000	1	51	093M.064	22051	Roll and Frame missing.	Photo was not taken in the field.
SITE CARD	FEATURE	480-160900-00000-00000-0000-0000-000-000-000-000-000-000	2	247	093M.065	20047	Roll and Frame missing.	Photo was not taken in the field.
SITE CARD	FEATURE	480-160900-00000-00000-0000-0000-000-000-000-000-000-000	2	247	093M.065	20047	Roll and Frame missing.	Photo was not taken in the field.
SITE CARD	FEATURE	480-195700-04600-00000-0000-0000-000-000-000-000-000-000	1	49	093M.065	22049	Roll and Frame missing.	Photo was not taken in the field.
SITE CARD	FEATURE	480-195700-04600-00000-0000-0000-000-000-000-000-000-000	1	49	093M.065	22049	Roll and Frame missing.	Photo was not taken in the field.
REACH CARD	REACHCARD	10630	1		093M.074	15663	Site card must be filled out.	Fish sampling only.
REACH CARD	REACHCARD	10977	1		093M.084	13468	Site card must be filled out.	Fish sampling only.
REACH CARD	REACHCARD	11468	1		093M.094	11478	Site card must be filled out.	Fish sampling only.
REACH CARD	REACHCARD	480-160900-00000-00000-0000-0000-000-000-000-000-000-000	5		093M.064	18321	Site card must be filled out.	Fish sampling only.
REACH CARD	REACHCARD	480-160900-43800-00000-0000-0000-000-000-000-000-000-000	1		093M.064	18214	Site card must be filled out.	Fish sampling only.

Triton Environmental Consultants Ltd.

3377/T-1219
Page 15

Shelagoyote Study Area FDIS QA

Owner	Field Name	ILP/WSC	Reach	Site	NID Map	NID	Comment	Triton Comment
REACH CARD	REACHCARD	480-195700-60300-24100-3100-0000-000-000-000-000-000-000	5		093M.084	13336	Site card must be filled out.	Fish sampling only.
REACH CARD	REACHCARD	480-195700-69300-28300-0000-0000-000-000-000-000-000-000	6		093M.084	13636	Site card must be filled out.	Fish sampling only.
REACH CARD	REACHCARD	480-195700-80300-52200-0000-0000-000-000-000-000-000-000	2		093M.094	11441	Site card must be filled out.	Fish sampling only.
SITE CARD	SITE LENGTH	480-195700-36100-00000-0000-0000-000-000-000-000-000-000	1	773	093M.074	22773	Site's length > Reach's length.	Field estimate
SITE CARD	SITE LENGTH	480-195700-80300-00000-0000-0000-000-000-000-000-000-000	8	30	093M.094	22030	Site's length > Reach's length.	Field estimate
SITE CARD	SITE LENGTH	480-195700-80300-52200-0000-0000-000-000-000-000-000-000	1	227	093M.094	20027	Site's length > Reach's length.	Field estimate
LAKE FORM	LAKE CARD	480-117100-00000-00000-0000-0000-000-000-000-000-000-000	5		093M.064		WARNING No Parent WS Code in the LAKE CARD	No comment
LAKE FORM	LAKE CARD	480-117100-00000-00000-0000-0000-000-000-000-000-000-000	7		093M.064		WARNING No Parent WS Code in the LAKE CARD	No comment
LAKE FORM	LAKE CARD	480-126500-00000-00000-0000-0000-000-000-000-000-000-000	5		093M.064		WARNING No Parent WS Code in the LAKE CARD	No comment
LAKE FORM	LAKE CARD	480-172296-00000-00000-0000-0000-000-000-000-000-000-000	2		093M.065		WARNING No Parent WS Code in the LAKE CARD	No comment
REACH CARD	REACH CARD	480-069500-00000-00000-0000-0000-000-000-000-000-000-000	1		093M.063	17050	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-069500-00000-00000-0000-0000-000-000-000-000-000-000	2		093M.063	17051	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-069500-00000-00000-0000-0000-000-000-000-000-000-000	3		093M.064	18363	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-069500-00000-00000-0000-0000-000-000-000-000-000-000	4		093M.074	15740	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-069500-00000-00000-0000-0000-000-000-000-000-000-000	5		093M.074	15144	WARNING No Parent WS Code in the REACH CARD	No comment

Triton Environmental Consultants Ltd.

3377/T-1219
Page 17

Shelagoyote Study Area FDIS QA

Owner	Field Name	ILP/WSC	Reach	Site	NID Map	NID	Comment	Triton Comment
REACH CARD	REACH CARD	480-093700-00000-00000-0000-000-000-000	8		093M.064	18366	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-098795-00000-00000-0000-000-000-000	1		093M.064	18002	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-099100-00000-00000-0000-000-000-000	1		093M.064	18003	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-101800-00000-00000-0000-000-000-000	1		093M.064	18014	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-101800-00000-00000-0000-000-000-000	2		093M.064	18013	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-105900-00000-00000-0000-000-000-000	1		093M.064	18020	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-105900-00000-00000-0000-000-000-000	2		093M.064	18019	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-108800-00000-00000-0000-000-000-000	1		093M.064	18023	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-108800-00000-00000-0000-000-000-000	2		093M.064	18022	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-111554-00000-00000-0000-000-000-000	1		093M.064	18029	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-111554-00000-00000-0000-000-000-000	2		093M.064	18028	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-117100-00000-00000-0000-000-000-000	1		093M.064	18048	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-117100-00000-00000-0000-000-000-000	2		093M.064	18047	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-117100-00000-00000-0000-000-000-000	3		093M.064	18046	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-117100-00000-00000-0000-000-000-000	4		093M.064	18045	WARNING No Parent WS Code in the REACH CARD	No comment

Shelagoyote Study Area FDIS QA

Owner	Field Name	ILPW/SC	Reach	Site	NID Map	NID	Comment	Triton Comment
REACH CARD	REACH CARD	480-117100-00000-00000-0000-000-000-000	6		093M.064	18043	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-118700-00000-00000-0000-000-000-000	1		093M.064	18040	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-118700-00000-00000-0000-000-000-000	2		093M.064	18039	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-118700-00000-00000-0000-000-000-000	3		093M.064	18038	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-123000-00000-00000-0000-000-000-000	1		093M.064	18054	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-123000-00000-00000-0000-000-000-000	2		093M.064	18053	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-123000-00000-00000-0000-000-000-000	3		093M.064	18052	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-126500-00000-00000-0000-000-000-000	1		093M.064	18060	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-126500-00000-00000-0000-000-000-000	2		093M.064	18059	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-126500-00000-00000-0000-000-000-000	3		093M.064	18058	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-126500-00000-00000-0000-000-000-000	4		093M.064	18057	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-133600-00000-00000-0000-000-000-000	1		093M.064	18075	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-133600-00000-00000-0000-000-000-000	2		093M.064	18074	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-133600-00000-00000-0000-000-000-000	3		093M.064	18073	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-133600-00000-00000-0000-000-000-000	4		093M.064	18072	WARNING No Parent WS Code in the REACH CARD	No comment

Owner	Field Name	ILP/WSC	Reach	Site	NID Map	NID	Comment	Triton Comment
REACH CARD	REACH CARD	480-143600-00000-00000-0000-0000-000-000-000-000-000	1		093M.064	18086	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-143600-00000-00000-0000-0000-000-000-000-000-000	2		093M.064	18085	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-144100-00000-00000-0000-0000-000-000-000-000-000	1		093M.064	18094	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-144100-00000-00000-0000-0000-000-000-000-000-000	2		093M.064	18093	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-144100-00000-00000-0000-0000-000-000-000-000-000	3		093M.064	18092	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-149000-00000-00000-0000-0000-000-000-000-000-000	1		093M.064	18491	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-149000-00000-00000-0000-0000-000-000-000-000-000	2		093M.064	18163	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-149000-00000-00000-0000-0000-000-000-000-000-000	3		093M.064	18162	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-149000-00000-00000-0000-0000-000-000-000-000-000	4		093M.064	18490	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-149000-00000-00000-0000-0000-000-000-000-000-000	5		093M.064	18485	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-149000-00000-00000-0000-0000-000-000-000-000-000	6		093M.064	18484	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-149000-00000-00000-0000-0000-000-000-000-000-000	7		093M.064	18483	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-149000-00000-00000-0000-0000-000-000-000-000-000	8		093M.064	18482	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-149000-00000-00000-0000-0000-000-000-000-000-000	9		093M.064	18481	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-157800-00000-00000-0000-0000-000-000-000-000-000	1		093M.064	18116	WARNING No Parent WS Code in the REACH CARD	No comment

Shelagyte Study Area FDIS QA

Owner	Field Name	ILP/WSC	Reach	Site	NID Map	NID	Comment	Triton Comment
REACH CARD	REACH CARD	480-157800-00000-00000-0000-000-000-000-000-000	2		093M.064	18115	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-157800-00000-00000-0000-000-000-000-000-000	3		093M.064	18114	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-160900-00000-00000-0000-000-000-000-000-000	1		093M.065	19000	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-160900-00000-00000-0000-000-000-000-000-000	2		093M.064	18164	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-160900-00000-00000-0000-000-000-000-000-000	3		093M.064	18179	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-160900-00000-00000-0000-000-000-000-000-000	4		093M.064	18320	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-160900-00000-00000-0000-000-000-000-000-000	5		093M.064	18321	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-160900-00000-00000-0000-000-000-000-000-000	6		093M.064	18409	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-160900-00000-00000-0000-000-000-000-000-000	7		093M.064	18408	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-160900-00000-00000-0000-000-000-000-000-000	9		093M.064	18406	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-160900-00000-00000-0000-000-000-000-000-000	11		093M.064	18404	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-160900-00000-00000-0000-000-000-000-000-000	13		093M.064	18402	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-160900-00000-00000-0000-000-000-000-000-000	14		093M.064	18401	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-160900-00000-00000-0000-000-000-000-000-000	15		093M.064	18400	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-160900-00000-00000-0000-000-000-000-000-000	17		093M.064	18398	WARNING No Parent WS Code in the REACH CARD	No comment

Shelagoyote Study Area FDIS QA

Owner	Field Name	ILP/WSC	Reach	Site	NiD Map	NiD	Comment	Triton Comment
REACH CARD	REACH CARD	480-163000-00000-00000-0000-000-000-000	1		093M.065	19004	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-163000-00000-00000-0000-000-000-000	2		093M.065	19003	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-163000-00000-00000-0000-000-000-000	3		093M.065	19002	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-172296-00000-00000-0000-000-000-000	1		093M.065	19018	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-172296-00000-00000-0000-000-000-000	3		093M.065	19017	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-180900-00000-00000-0000-000-000-000	1		093M.065	19014	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-180900-00000-00000-0000-000-000-000	2		093M.065	19013	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-180900-00000-00000-0000-000-000-000	3		093M.065	19012	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-180900-00000-00000-0000-000-000-000	4		093M.065	19011	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-180900-00000-00000-0000-000-000-000	5		093M.065	19010	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-195700-00000-00000-0000-000-000-000	1		093M.065	19113	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-195700-00000-00000-0000-000-000-000	2		093M.074	15753	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-195700-00000-00000-0000-000-000-000	3		093M.074	15438	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-195700-00000-00000-0000-000-000-000	4		093M.074	15437	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-195700-00000-00000-0000-000-000-000	5		093M.094	11057	WARNING No Parent WS Code in the REACH CARD	No comment

Shelagoyote Study Area FDIS QA

Owner	Field Name	LP/WSC	Reach	Site	NID Map	NID	Comment	Triton Comment
REACH CARD	REACH CARD	480-195700-00000-00000-0000-000-000-000	6		093M.094	11058	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-195700-00000-00000-0000-000-000-000	7		093M.094	11059	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-195700-00000-00000-0000-000-000-000	8		093M.094	11060	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-195700-00000-00000-0000-000-000-000	9		093M.094	11061	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-195700-00000-00000-0000-000-000-000	10		093M.093	10529	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-195700-00000-00000-0000-000-000-000	11		093M.093	10530	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-195700-00000-00000-0000-000-000-000	12		093M.093	10531	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-195700-00000-00000-0000-000-000-000	13		093M.093	10532	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-195700-00000-00000-0000-000-000-000	15		093M.093	10534	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-195700-00000-00000-0000-000-000-000	16		093M.093	10535	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-195700-34400-62000-1650-0000-000-000-000-000-000	1		093M.085	14152	WARNING No Parent WS Code in the REACH CARD	No comment
REACH CARD	REACH CARD	480-195700-34400-62000-1650-0000-000-000-000-000-000	2		093M.084	13931	WARNING No Parent WS Code in the REACH CARD	No comment
FISH FORM	FISH FORM	10630	1				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	10966	2				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	10977	1				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	11057	5				WARNING: A stream should have a minimum of two methods.	No comment

Shelagoyote Study Area FDIS QA

Owner	Field Name	LPW/SC	Reach	Site	NID Map	NID	Comment	Triton Comment
FISH FORM	FISH FORM	11108	4				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	11301	1				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	11301	2				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	11301	5				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	11468	1				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	11529	1				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-069500-00000-00000-0000-000-000-000	2				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-069500-00000-00000-0000-000-000-000	5				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-069500-00000-00000-0000-000-000-000	6				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-069500-52800-00000-0000-0000-000-000-000-000	5				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-093700-00000-00000-0000-000-000-000	5				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-093700-00000-00000-0000-000-000-000	6				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-093700-77200-00000-0000-0000-000-000-000-000	3				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-123000-00000-00000-0000-000-000-000	1				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-149000-00000-00000-0000-000-000-000	1				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-149000-00000-00000-0000-000-000-000	4				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-160900-00000-00000-0000-000-000-000	2				WARNING: A stream should have a minimum of two methods.	No comment

Shelagyote Study Area FDIS QA

Owner	Field Name	ILP/WSC	Reach	Site	NID_Map	NID	Comment	Triton_Comment
FISH FORM	FISH FORM	480-160900-00000-00000-0000-0000-000-000-000-000-000	4				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-160900-00000-00000-0000-0000-000-000-000-000-000	5				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-160900-43800-00000-0000-0000-000-000-000-000-000-000	1				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-160900-43800-00000-0000-0000-000-000-000-000-000-000	2				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-160900-43800-72100-0000-0000-000-000-000-000-000-000	1				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-00000-00000-0000-0000-000-000-000-000-000-000	7				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-00000-00000-0000-0000-000-000-000-000-000-000	8				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-02400-00000-0000-0000-000-000-000-000-000-000	8				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-04600-00000-0000-0000-000-000-000-000-000-000	1				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-15200-00000-0000-0000-000-000-000-000-000-000	1				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-16200-33900-0000-0000-000-000-000-000-000-000	2				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-29500-00000-0000-0000-000-000-000-000-000-000	2				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-29500-00000-0000-0000-000-000-000-000-000-000	4				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-29500-00000-0000-0000-000-000-000-000-000-000	5				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-29500-00000-0000-0000-000-000-000-000-000-000	6				WARNING: A stream should have a minimum of two methods.	No comment

Shelagoyote Study Area FDIS QA

Owner	Field Name	ILP/WSC	Reach	Site	NID Map	NID	Comment	Triton Comment
FISH FORM	FISH FORM	480-195700-29500-53200-0000-0000-000-000-000-000-000-000	1				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-29500-59900-0000-0000-000-000-000-000-000-000	1				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	00000-0000-0000-000-000-000-000-000-000-000	3				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	00000-0000-0000-000-000-000-000-000-000-000	6				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	00000-0000-0000-000-000-000-000-000-000-000	8				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-36100-00000-0000-0000-000-000-000-000-000	2				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-36100-00000-0000-0000-000-000-000-000-000	6				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-36100-00000-0000-0000-000-000-000-000-000	10				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-36100-00000-0000-0000-000-000-000-000-000	11				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-36900-00000-0000-0000-000-000-000-000-000	4				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-40600-00000-0000-0000-000-000-000-000-000	4				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-40600-00000-0000-0000-000-000-000-000-000	5				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-48200-00000-0000-0000-000-000-000-000-000	1				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-48200-00000-0000-0000-000-000-000-000-000	6				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-48200-00000-0000-0000-000-000-000-000-000	7				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-48200-22800-0000-0000-000-000-000-000-000-000	1				WARNING: A stream should have a minimum of two methods.	No comment

Shelagyote Study Area FDIS QA

Owner	Field Name	ILPW/SC	Reach	Site	NID Map	NID	Comment	Triton Comment
FISH FORM	FISH FORM	480-195700-48200-22800-0000-0000-000-000-000-000-000-000	2				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-48200-36200-0000-0000-000-000-000-000-000-000	1				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-48200-36200-0000-0000-000-000-000-000-000-000	4				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-48200-36200-0000-0000-000-000-000-000-000-000	6				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-48200-36200-4610-0000-000-000-000-000-000-000-000	1				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-48200-52400-0000-0000-000-000-000-000-000-000	2				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-48200-52400-0000-0000-000-000-000-000-000-000	3				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-49100-00000-0000-0000-000-000-000-000-000-000	3				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-60300-00000-0000-0000-000-000-000-000-000-000	1				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-60300-00000-0000-0000-000-000-000-000-000-000	5				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-60300-00000-0000-0000-000-000-000-000-000-000	6				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-60300-24100-3100-0000-000-000-000-000-000-000-000	1				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-60300-24100-3100-0000-000-000-000-000-000-000-000	4				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-60300-24100-3100-0000-000-000-000-000-000-000-000	5				WARNING: A stream should have a minimum of two methods.	No comment
FISH FORM	FISH FORM	480-195700-62000-00000-0000-0000-000-000-000-000-000-000	1				WARNING: A stream should have a minimum of two methods.	No comment

Triton Environmental Consultants Ltd.

3377/T-1219
Page 28

Triton Environmental Consultants Ltd.

3377/T-1219
Page 29

February 17, 2003

Jason Harris
Triton Environmental Consultants Ltd.
#300-4546 Park Ave.
Terrace, BC, V8G 1V4

**Re: Stage 3 QA on phases 5-6 fish and fish habitat inventory in the Shelagyote River area
(Shelagyote River, Cayuse Jack Creek, Le Clair Creek, Shenismike Creek)**

Jason:

The stage 3 quality assurance (QA) review of the final deliverables for the 1:20k stream inventory sampling program performed by Triton Environmental Consulting Ltd. for ~~Pacific Inland Resources Ltd.~~ NWBC Timber and Pulp Ltd. has been completed. Resources Inventory Committee standard QA forms were completed during the audit and are included with this letter.

The list of deliverables check found everything present except some digital mapping files and automated QA results. The card/FDIS/map check found an acceptably small number of errors and no systematic problems. I noted a few very minor issues while checking the report, which was otherwise fine. The maps were fine, though I noted one or two discrepancies in the stream classification coding that should be addressed. The FISS update deliverables and photodocumentation package was complete and to standards.

I am still awaiting delivery of the mapping files and the associated QA forms (Sent to Chris Schell). Once I have checked these, this project will have passed QA as everything else is to standards. If you have any questions regarding the information presented in this memo or in the QA forms please contact me by e-mail (schell@bulkley.net) or by telephone (250-847-9059).

Sincerely,

Chris Schell

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

Project name: 1:20 k Reconnaissance F&FHI in the Shelagvot River Area.
FRBC project number: 716432 **MELP project number:** SCI-C172-010-2001
Submitted by: Triton Environmental Consultants Ltd
QA review by: Chris Schell **Review date:** February, 2003

FORM 3A DATA COMPILATION AND REPORTING DELIVERABLES FOR QA – PAGE 1 OF 1

	Deliverable	Hardcopy	Digital	Comments
Watershed reporting	Watershed report	Y	Y	There should be a Word version, no?
	Appendices			
	I. FDIS summary and photographs	Y	Y	
	II. Hardcopy maps	Y	Y	
	Attachments			
	I. Pre-field planning document	-	Y	
	II. Field notes and forms	Y	-	
	III. Fish aging structures			None
	IV. Fish samples and vouchers	-	-	None
	V. Photodocumentation	Y	Y	
	VI. Digital data	-	N	Digital mapping files
	VII. FISS update data	Y	-	
	VIII. Aerial photography	-	-	
Individual lake reporting (for each lake)	Lake report			No lake reporting.
	Appendices			
	I. Lake survey form			
	II. Water chemistry data			
	III. Fish collection forms			
	IV. Tributary summary			
	V. Photographs			
	VI. Bathymetric map			
	Attachments			
	I. Photodocumentation			
	II. Digital data			
	III. FISS update data			
	IV. Phase completion reports			
	V. Field notes and forms			
	VI. Aerial photography			
	VII. Fish ageing structures			
	VIII. Fish samples and vouchers			

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

Project name: 1:20 k Rec. F&FHI in the Shelagvot River Area.
 FRBC project number: 716432 MELP project number: SCI-C172-010-2001
 Submitted by: Triton Environmental Consultants Ltd
 QA review by: Chris Schell Review date: February, 2003

FORM 3B DIGITAL DATA CHECKING – PAGE 1 OF 1

For each FDIS file provided:

FDIS filename:

	Acceptable		Comments
	Y	N	
Conversions done:			
• ILP to WSC	Y		Not completed, but not expected.
• NID-UTM		N	GIS UTM's were not in the database printouts. GIS UTM's added to database printouts.
• Update bathymetry	na	Na	
FDIS QA report attached			
• Acceptable error report			

For each FDIS file and digital map file set:

ARCView fish QA tool

	Filename	Acceptable		Comments
		Y	N	
Digital map files				
• Metadata table	Missing			Sent to Chris Schell.
• Map attributes table	Missing			Sent to Chris Schell
FDIS data check				
• Sequential reach numbering:				Missing Sent to Chris Schell
• Point locations on TRIM streams:				Missing Sent to Chris Schell
Copy of ARCView fish QA tool error report attached				
• Acceptable error report				Missing Sent to Chris Schell

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

Project name: 1:20 k Rec. F&FHI in the Shelagvot River Area.
 FRBC project number: 716432 MELP project number: SCI-C172-010-2001
 Submitted by: Triton Environmental Consultants Ltd
 QA review by: Chris Schell Review date: February, 2003

FORM 3C

CONSISTENCY CHECK: STREAM CARDS, FDIS, PROJECT, INTERPRETIVE MAPS – PAGE 1 OF 6

	1	2	3	4	5	6	7	8	9	10
Site #	1	5	9	10	14	18	19	22	26	27
NID map #	22001	22005	22009	22010	22014	22018	22019	22022	22026	22027
NID #	93m.063	93m.064	93m.064	93m.074	93m.074	93m.084	93m.084	93m.084	93m.094	93m.093

Record errors below with an 'x.' An error occurs if there is any inconsistency among: 1) field site cards, 2) FDIS, 3) project maps and 4) interpretive maps, as specified for each attribute.

Card section	Attribute	Where to check	1	2	3	4	5	6	7	8	9	10	Error locations
Header	Stream name	1, 2, 3, 4											
	Watershed code or ILP map # and ILP #	1, 2, 3, 4											
	NID map # and NID #	1, 2											
	Reach #	1, 2, 3, 4											
	Site #	1, 2, 3, 4											
	Site length	1, 2											
	Access	1, 2											
	Survey date	1, 2, 3, 4											
	Agency conducting survey	1, 2, 3, 4											
	Time of survey	1, 2											
	Crew conducting survey	1, 2											
	Fish form completed	1, 2											
Channel	Channel width	1, 2, 3, 4											
	Wetted width	1, 2											
	Residual pool depth	1, 2											
	Gradient	1, 2, 3, 4											
	Bankfull depth	1, 2											
	Stage	1, 2											
	No Vis. Ch., DW, and Dry/Int.	1, 2, 3, 4											
	Tribs	1, 2, 3, 4											
Cover	Total cover	1, 2											
	Cover elements	1, 2											
	Functional LWD (amount, distribution)	1, 2											
	Crown closure	1, 2											
	Instream vegetation	1, 2											
	Bank shape, texture, riparian vegetation	1, 2											

Card section	Attribute	Where to check	1	2	3	4	5	6	7	8	9	10	Error locations
Water	EMS #	1, 2, 3, 4											
	Temperature, pH	1, 2											
	Water chemistry requisition #	1, 2											
	Conductivity, turbidity	1, 2											
Channel - morphology	Flood signs	1, 2											
	Bed material	1, 2, 3											
	D95, D	1, 2											
	Morphology	1, 2, 3											
	Disturbance indicators	1, 2, 3											
	Pattern	1, 2, 3											
	Islands, bars, coupling	1, 2											
	Confinement	1, 2, 3											
Features	NID map # and NID #	1, 2								X			
	Type, height/length	1, 2, 3, 4											
	Photo, comments	1, 2, 3, 4											
	UTM	1, 2											
Habitat quality	General comments	1, 2											
	Fisheries sensitive zones	1, 2											
Photo-documentation	Roll #	1, 2											
	Frame #	1, 2											
	Focal length	1, 2											
	Direction	1, 2											
	Comments	1, 2											
Wildlife	Group	1, 2											
	Observations	1, 2											
Comments	General comments	1, 2											
Total errors:										X			1

Comments:

7) The 50m cascade is not within the site, and therefore should not be in on the site card (reach form instead). Don't want cascade to become lost, as it is a potential barrier to migration.

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

Project name: 1:20 k Rec. F&FHI in the Shelagoyote River Area.
 FRBC project number: 716432 MELP project number: SCI-C172-010-2001
 Submitted by: Triton Environmental Consultants Ltd
 QA review by: Chris Schell Review date: February, 2003

FORM 3C

CONSISTENCY CHECK: STREAM CARDS, FDIS, PROJECT, INTERPRETIVE MAPS – PAGE 3 OF 6

	1	2	3	4	5	6	7	8	9	10
Site #	31	35	36	40	44	45	49	203	204	208
NID map #	22031	22035	22036	22040	22044	22045	22049	20003	20004	20008
NID #	93m.094	93m.084	93m.084	93m.085	93m.084	93M.074	93M.065	93M.074	93M.064	93M.074

Record errors below with an 'x.' An error occurs if there is any inconsistency among: 1) field site cards, 2) FDIS, 3) project maps and 4) interpretive maps, as specified for each attribute.

Card section	Attribute	Where to check	1	2	3	4	5	6	7	8	9	10	Error locations
Header	Stream name	1, 2, 3, 4											
	Watershed code or ILP map # and ILP #	1, 2, 3, 4											
	NID map # and NID #	1, 2											
	Reach #	1, 2, 3, 4											
	Site #	1, 2, 3, 4											
	Site length	1, 2											
	Access	1, 2											
	Survey date	1, 2, 3, 4											
	Agency conducting survey	1, 2, 3, 4											
	Time of survey	1, 2											
	Crew conducting survey	1, 2											
	Fish form completed	1, 2											
Channel	Channel width	1, 2, 3, 4											
	Wetted width	1, 2											
	Residual pool depth	1, 2											
	Gradient	1, 2, 3, 4											
	Bankfull depth	1, 2											
	Stage	1, 2											
	No Vis. Ch., DW, and Dry/Int.	1, 2, 3, 4											
	Tribs	1, 2, 3, 4											
Cover	Total cover	1, 2											
	Cover elements	1, 2											
	Functional LWD (amount, distribution)	1, 2											
	Crown closure	1, 2											
	Instream vegetation	1, 2											
	Bank shape, texture, riparian vegetation	1, 2											

Card section	Attribute	Where to check	1	2	3	4	5	6	7	8	9	10	Error locations
Water	EMS #	1, 2, 3, 4											
	Temperature, pH	1, 2											
	Water chemistry requisition #	1, 2											
	Conductivity, turbidity	1, 2											
Channel - morphology	Flood signs	1, 2											
	Bed material	1, 2, 3											
	D95, D	1, 2											
	Morphology	1, 2, 3											
	Disturbance indicators	1, 2, 3											
	Pattern	1, 2, 3											
	Islands, bars, coupling	1, 2		X									
	Confinement	1, 2, 3											
Features	NID map # and NID #	1, 2											
	Type, height/length	1, 2, 3, 4											
	Photo, comments	1, 2, 3, 4											
	UTM	1, 2											
Habitat quality	General comments	1, 2											
	Fisheries sensitive zones	1, 2											
Photo-documentation	Roll #	1, 2											
	Frame #	1, 2											
	Focal length	1, 2											
	Direction	1, 2											
	Comments	1, 2											
Wildlife	Group	1, 2											
	Observations	1, 2											
Comments	General comments	1, 2											
Total errors:				X									1

Comments:

2) side and mid bars noted on card, only side bars marked in FDIS. Changed in FDIS.

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

Project name: 1:20 k Rec. F&FHI in the Shelagvot River Area.
 FRBC project number: 716432 MELP project number: SCI-C172-010-2001
 Submitted by: Triton Environmental Consultants Ltd
 QA review by: Chris Schell Review date: February, 2003

FORM 3C

CONSISTENCY CHECK: STREAM CARDS, FDIS, PROJECT, INTERPRETIVE MAPS – PAGE 5 OF 6

	1	2	3	4	5	6	7	8	9	10
Site #	211	213	216	222	224	226	228	233	237	247
NID map #	20011	20013	20016	20022	20024	20226	20028	20033	20037	20047
NID #	93M.074	93M.074	93m.083	93m.084	93m.094	93m.094	93m.094	93m.094	93m.085	93m.065

Record errors below with an 'x.' An error occurs if there is any inconsistency among: 1) field site cards, 2) FDIS, 3) project maps and 4) interpretive maps, as specified for each attribute.

Card section	Attribute	Where to check											Error locations
			1	2	3	4	5	6	7	8	9	10	
Header	Stream name	1, 2, 3, 4											
	Watershed code or ILP map # and ILP #	1, 2, 3, 4											
	NID map # and NID #	1, 2											
	Reach #	1, 2, 3, 4								X			
	Site #	1, 2, 3, 4						X					
	Site length	1, 2											
	Access	1, 2											
	Survey date	1, 2, 3, 4											
	Agency conducting survey	1, 2, 3, 4											
	Time of survey	1, 2											
	Crew conducting survey	1, 2											
	Fish form completed	1, 2											
Channel	Channel width	1, 2, 3, 4											
	Wetted width	1, 2		X									
	Residual pool depth	1, 2											
	Gradient	1, 2, 3, 4											
	Bankfull depth	1, 2											
	Stage	1, 2											
	No Vis. Ch., DW, and Dry/Int.	1, 2, 3, 4											
	Tribs	1, 2, 3, 4											
Cover	Total cover	1, 2											
	Cover elements	1, 2				X							
	Functional LWD (amount, distribution)	1, 2								X			
	Crown closure	1, 2											
	Instream vegetation	1, 2											
	Bank shape, texture, riparian vegetation	1, 2											

Card section	Attribute	Where to check	1	2	3	4	5	6	7	8	9	10	Error locations
Water	EMS #	1, 2, 3, 4											
	Temperature, pH	1, 2											
	Water chemistry requisition #	1, 2											
	Conductivity, turbidity	1, 2											
Channel - morpho logy	Flood signs	1, 2											
	Bed material	1, 2, 3											
	D95, D	1, 2											
	Morphology	1, 2, 3											
	Disturbance indicators	1, 2, 3											
	Pattern	1, 2, 3											
	Islands, bars, coupling	1, 2											
	Confinement	1, 2, 3											
Features	NID map # and NID #	1, 2											
	Type, height/length	1, 2, 3, 4											
	Photo, comments	1, 2, 3, 4											
	UTM	1, 2											
Habitat quality	General comments	1, 2											
	Fisheries sensitive zones	1, 2											
Photo-documentation	Roll #	1, 2											
	Frame #	1, 2											
	Focal length	1, 2											
	Direction	1, 2											
	Comments	1, 2											
Wildlife	Group	1, 2											
	Observations	1, 2											
Comments	General comments	1, 2							X				
Total errors:				X		X		X	X	X	X		6

Summary of stream site information check:

Number of marks (# cards * 52): 1560

Maximum number of errors acceptable (5%): 52

Number of errors found: 8

Is the number of errors acceptable: Yes

Comments:2) typo. 3.9 on card, 2.9 in FDIS. Corrected.4) no cover location information entered into FDIS Corrected.6) the label for this site should be closer to the site Fixed (not really and issue).7) rearing comments on card are not all in FDIS Corrected.8) this site is on reach 6 on the map, but FDIS has it as reach 5 Corrected in FDIS.9) LWD distribution C on card, E in FDIS. Fixed.

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

Project name: 1:20 k Rec. F&FHI in the Shelagyote River Area.
 FRBC project number: 716432 MELP project number: SCI-C172-010-2001
 Submitted by: Triton Environmental Consultants Ltd
 QA review by: Chris Schell Review date: February, 2003

FORM 3E

CONSISTENCY CHECK: FISH COLLECTION FORM, FDIS, PROJECT MAP, INTERPRETIVE MAP – PAGE 1 OF 6

	1	2	3	4	5	6	7	8	9	10
Site #	1	5	9	10	14	18	19	22	26	27
NID map #	22001	22005	22009	22010	22014	22018	22019	22022	22026	22027
NID #	93m.063	93m.064	93m.064	93m.074	93m.074	93m.084	93m.084	93m.084	93m.094	93m.093

Record errors below with an 'x'. An error occurs if there is inconsistency among 1) fish collection forms, 2) FDIS, 3) project maps, and 4) interpretive maps, and/or 5) lake outline maps, as specified for each attribute.

Group	Item	Where to check	1	2	3	4	5	6	7	8	9	10	Error locations
Header	Name	1, 2, 3, 4, 5											
	Stream/Lake/Wetland	1, 2, 3											
	Watershed code or ILP	1, 2, 3, 4, 5											
	Waterbody ID	1, 2, 5											
	ILP map #	1, 2											
	Reach #	1, 2, 3, 4, 5											
	MELP fish permit #	1, 2											
	Date start, end	1, 2											
	Agency, crew	1, 2											
	Resample	1, 2											
Site/Method	Site #	1, 2, 3, 4, 5											
	NID map #, NID #	1, 2											
	Site UTM	1, 2											
	Method, method no.	1, 2											
	Temp, turbidity	1, 2								X			
	Conductivity	1, 2, 3, 4											
Fish summary	Method, method no.	1, 2											
	Haul/Pass (H/P)	1, 2											
	Species	1, 2, 3, 4											
	Stage, total #	1, 2											
	Min. length	1, 2											
	Fish activity	1, 2											

Group	Item	Where to check	1	2	3	4	5	6	7	8	9	10	Error locations
Gear specifications	Method, method no.	1, 2											
	Haul	1, 2											
	Date, time in/out	1, 2											
	Net type, lgth, dpth	1, 2											
	Mesh size	1, 2											
	Set, habitat	1, 2											
Electrofisher specifications	Method, method no.	1, 2											
	Pass	1, 2											
	Time in, time out	1, 2											
	EF sec.	1, 2											
	Length, width	1, 2											
	Enclosure	1, 2											
	Voltage, freq., pulse	1, 2											
	Make, model	1, 2											
Total:										X			1

Comments:8) lightly turbid on fish and site card, clear in FDIS. Corrected in FDIS

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

Project name: 1:20 k Rec. F&FHI in the Shelagvote River Area.
 FRBC project number: 716432 MELP project number: SCI-C172-010-2001
 Submitted by: Triton Environmental Consultants Ltd
 QA review by: Chris Schell Review date: February, 2003

FORM 3E

CONSISTENCY CHECK: FISH COLLECTION FORM, FDIS, PROJECT MAP, INTERPRETIVE MAP,-- PAGE 3 OF 6

	1	2	3	4	5	6	7	8	9	10
Site #	31	35	36	40	44	45	49	203	204	208
NID map #	22031	22035	22036	22040	22044	22045	22049	20003	20004	20008
NID #	93m.094	93m.084	93m.084	93m.085	93m.084	93M.074	93M.065	93M.074	93M.064	93M.074

Record errors below with an 'x'. An error occurs if there is inconsistency among 1) fish collection forms, 2) FDIS, 3) project maps, and 4) interpretive maps, and/or 5) lake outline maps, as specified for each attribute.

Group	Item	Where to check	1	2	3	4	5	6	7	8	9	10	Error locations
Header	Name	1, 2, 3, 4, 5											
	Stream/Lake/Wetland	1, 2, 3											
	Watershed code or ILP	1, 2, 3, 4, 5											
	Waterbody ID	1, 2, 5											
	ILP map #	1, 2											
	Reach #	1, 2, 3, 4, 5											
	MELP fish permit #	1, 2											
	Date start, end	1, 2											
	Agency, crew	1, 2											
	Resample	1, 2											
Site/Method	Site #	1, 2, 3, 4, 5											
	NID map #, NID #	1, 2											
	Site UTM	1, 2											
	Method, method no.	1, 2											
	Temp, turbidity	1, 2											
	Conductivity	1, 2, 3, 4											
Fish summary	Method, method no.	1, 2											
	Haul/Pass (H/P)	1, 2											
	Species	1, 2, 3, 4											
	Stage, total #	1, 2											
	Min. length	1, 2											
	Fish activity	1, 2											

Group	Item	Where to check	1	2	3	4	5	6	7	8	9	10	Error locations
Gear specifications	Method, method no.	1, 2											
	Haul	1, 2											
	Date, time in/out	1, 2											
	Net type, lgth, dpth	1, 2											
	Mesh size	1, 2											
	Set, habitat	1, 2											
Electrofischer specifications	Method, method no.	1, 2											
	Pass	1, 2											
	Time in, time out	1, 2											
	EF sec.	1, 2											
	Length, width	1, 2											
	Enclosure	1, 2											
	Voltage, freq., pulse	1, 2											
	Make, model	1, 2											
Total:			0	0	0	0	0	0	0	0	0	0	

Comments:

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

Project name: 1:20 k Rec. F&FHI in the Shelagyote River Area.
 FRBC project number: 716432 MELP project number: SCI-C172-010-2001
 Submitted by: Triton Environmental Consultants Ltd
 QA review by: Chris Schell Review date: February, 2003

FORM 3E

CONSISTENCY CHECK: FISH COLLECTION FORM, FDIS, PROJECT MAP, INTERPRETIVE MAP,— PAGE 5 OF 6

	1	2	3	4	5	6	7	8	9	10
Site #	211	213	216	222	224	226	228	233	237	247
NID map #	20011	20013	20016	20022	20024	20226	20028	20033	20037	20047
NID #	93M.074	93M.074	93m.083	93m.084	93m.094	93m.094	93m.094	93m.094	93m.085	93m.065

Record errors below with an 'x'. An error occurs if there is inconsistency among 1) fish collection forms, 2) FDIS, 3) project maps, and 4) interpretive maps, and/or 5) lake outline maps, as specified for each attribute.

Group	Item	Where to check	1	2	3	4	5	6	7	8	9	10	Error locations
Header	Name	1, 2, 3, 4, 5											
	Stream/Lake/Wetland	1, 2, 3											
	Watershed code or ILP	1, 2, 3, 4, 5											
	Waterbody ID	1, 2, 5											
	ILP map #	1, 2											
	Reach #	1, 2, 3, 4, 5											
	MELP fish permit #	1, 2											
	Date start, end	1, 2											
	Agency, crew	1, 2											
	Resample	1, 2											
Site/Method	Site #	1, 2, 3, 4, 5											
	NID map #, NID #	1, 2											
	Site UTM	1, 2											
	Method, method no.	1, 2											
	Temp, turbidity	1, 2											
	Conductivity	1, 2, 3, 4											
Fish summary	Method, method no.	1, 2											
	Haul/Pass (H/P)	1, 2											
	Species	1, 2, 3, 4											
	Stage, total #	1, 2											
	Min. length	1, 2											
	Fish activity	1, 2											

Group	Item	Where to check	1	2	3	4	5	6	7	8	9	10	Error locations
Gear specifications	Method, method no.	1, 2											
	Haul	1, 2											
	Date, time in/out	1, 2											
	Net type, lgth, dpth	1, 2											
	Mesh size	1, 2											
	Set, habitat	1, 2											
Electrofisher specifications	Method, method no.	1, 2											
	Pass	1, 2											
	Time in, time out	1, 2											
	EF sec.	1, 2					X						
	Length, width	1, 2											
	Enclosure	1, 2											
	Voltage, freq., pulse	1, 2											
	Make, model	1, 2											
Total:							X						1

Number of marks (# cards * 36): 720Number of errors found: 2Maximum number of errors acceptable (5%): 36

Is the number of errors acceptable: Yes

Comments:5) electrofishing seconds in FDIS = 1. 223 on card. Corrected in FDIS.

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

Project name: 1:20 k Rec. F&FHI in the Shelagvot River Area.
 FRBC project number: 716432 MELP project number: SCI-C172-010-2001
 Submitted by: Triton Environmental Consultants Ltd
 QA review by: Chris Schell Review date: February, 2003

FORM 3F

CONSISTENCY CHECK: INDIVIDUAL FISH DATA CARD, FDIS – PAGE 1 OF 1

	1	2	3	4	5	6	7	8	9	10
Site #	1	14	18	26	31	36	224	247	211	49
NID map #	22001	22014	22018	22026	22031	22036	20024	20047	20011	20049
NID #	93m.063	93m.074	93m.084	93m.094	93m.094	93m.084	93m.094	93m.065	93m.074	93m.065

Record errors below with an 'x'. An error occurs if there is inconsistency among 1) individual fish data cards and 2) FDIS, as specified for each attribute.

Group	Item	Where to check	1	2	3	4	5	6	7	8	9	10	Error locations
Individual fish data	Site #	1, 2											
	Method, method no.	1, 2											
	Haul/Pass	1, 2											
	Species	1, 2											
	Length	1, 2											
	Weight	1, 2											
	Sex	1, 2											
	Maturity	1, 2											
	Age structure	1, 2											
	Age sample #	1, 2											
	Age	1, 2											
	Voucher	1, 2											
	Genetic structure	1, 2											
	Genetic sample #	1, 2											
	Photos	1, 2											

Number of marks (# cards * 15): 150
 Number of errors found: 2

Maximum number of errors acceptable (5%): 7
 Is the number of errors acceptable: Y

Comments:

FISH INVENTORY QUALITY ASSURANCE CHECK FORM

Project name: 1:20 k Rec. F&FHI in the Shelagvot River Area.
 FRBC project number: 716432 MELP project number: SCI-C172-010-2001
 Submitted by: Triton Environmental Consultants Ltd
 QA review by: Chris Schell Review date: February, 2003

FORM 3K

WATERSHED REPORT – PAGE 1 OF 4

Report section	Attribute	Accept. (Y/N)	Notes
Title page	Proper title	Y	
	Watershed code below title	Y	
	Prepared for...	Y	
	Prepared by...	Y	
	Signature of R.P.Bio	N	Not yet
Reference information	Project reference information	Y	
	Watershed information	Y	
	Sampling design summary	Y	
	Contractor information	Y	
Disclaimer	Standard wording disclaimer	Y	
Acknowledgements		Y	
Table of contents	Page numbering correct	Y	
	Report outline follows standard	Y	
Lists	List of Tables	Y	
	List of Figures	Y	
	List of Attachments	Y	
	List of Appendices	Y	

Report section	Attribute	Accept. (Y/N)	Notes
Introduction			
Project scope, objectives	1:20 000, 1:5000, lakes, etc.	Y	
Location	Description	Y	
Overview map	8.5 × 11" or 11 × 17"	Y	
	Outline of study area	Y	
	Inset map showing relation to BC	Y	
	Sample site locations	Y	
	1:20 000 map grid	Y	
	Major communities	Y	
	TRIM/FC aquatic features	na	
Access	Description	Y	
Resource Information	First Nations	Y	
	Land use, logging, recreation, etc.	Y	
	Impacts and uses by wildlife	Y	
	Existing water quality data	Y	
	Previous fish presence	Y	
Methods	Reference to RECCE standards	Y	
	Reference to project plan	Y	
	Deviations from RIC standards	Y	
	Deviations from project plan	Y	
	List of sampling equipment used	Y	

Notes:

Signed by Tom A. Watson, RPBio.

Report section	Attribute	Accept. (Y/N)	Notes
Results and Discussion			
Logistics	Problems encountered	Y	1
	Weather	Y	
	Access	Y	
	Water levels	Y	
	How was it addressed	Y	
	How did it impact the results	Y	

Stream Report Format

Report section	Attribute	Accept. (Y/N)	Notes
Summary of sub-basin biophysical information	Table defining each sub-drainage	Y	
	Sub-drainages not sampled but included in the planning document	Y	
	Previous sampling reference	Y	
Habitat and fish distribution	Characteristics of fish habitats	Y	
	Pattern of fish distribution	Y	
	Location of significant fish pop.s	Y	
	Lakes treated as a reach of the stream	Y	
	Upstream limits of fish presence	Y	
	Obstructions influencing fish	Y	
	Table of all barriers present	Y	

Stream Report Format – cont.

Report section	Attribute	Accept. (Y/N)	Notes
Fish age, size and life history	Summary of life stages, life history, etc.	Y	2
	Length-frequency histograms	Y	
	Histograms have the same x-axis	Y	
	Table: Summary of length-at-age.	Y	
	Data presented by species	Y	
	Data presented by sub-drainage	NA	
	Age classes appear correct	Y	
Significant features and fisheries observations	Fish and fish habitat		
	Critical habitats	Y	
	Special populations	Y	
	Wild stocks	Y	
	Rare stocks or species	Y	
	High value sport fishing	?	3
	NO management recommend.	Y	
	Habitat protection concerns		
	Fisheries sensitive zones	Y	
	Fish above 20% gradients	Y	
	Restoration opportunities	Y	
	Problem culverts	Y	
	Unstable slopes	Y	
Fish bearing status	Brief narrative section	Y	
	Table: Summary of fish bearing reaches...	Y	

Notes:

1) The moving of sites due to access requires a bit more explanation. Perhaps list the sites that were moved and where they were moved to? At the least state how many sites were moved and what were the factors considered in deciding where they would be moved to. Will be added to the report.

2) How do you know that the juvenile rainbow trout you captured are not steelhead? You report juvs but no adults in channels up to 10 m wide. Could be ST, no?

3) Angling for CO, BT, and SST in the Shelagyote does not qualify as high value sport fishing? Will be added to report.

Stream Report Format – cont.

Report section	Attribute	Accept. (Y/N)	Notes
Fish bearing status (cont.)	Table: Summary of non-fish bearing reaches	Y	
	Table: Follow-up sampling required	Y	
References	All sources in report listed	Y	
	According to CBE style manual	Y	

Stream Report Appendices

Report section	Attribute	Accept. (Y/N)	Notes
Appendix I. FDIS summary and photographs	In ascending order by WSC	-	
	Grouped by site	Y	
	FDIS reach card printouts	Y	
	FDIS site card printouts	Y	
	Fish data collection form	Y	
	Photos (min. 1, max. 4)	Y	
	All photos entered in FDIS	Y	
	Explanatory photo captions	Y	
	Photos in colour (final only)	Y	
Appendix II. Hardcopy maps – General	“E” size plots	Y	
	Folded in pocket in report	N	
	UTM projection	Y	
	1:20 000 map grid	Y	
	1:20 000 scale	Y	
	Complete title box	Y	1
	Complete legend box	Y	
	Source information box	Y	

Stream Report Appendices – cont.

Report section	Attribute	Accept. (Y/N)	Notes
Appendix II. Hardcopy maps – General (cont.)	Inset map box	Y	
	Fish species box	Y	
	100 m contour lines	Y	
	WSCs or ILPs for all sampled streams	Y	
	WSCs or ILPs for all 3 rd order or higher streams	Y	
	WSCs or ILPs for every other 1 st and 2 nd order stream	Y	
	WBIDs for all lakes	Y	
	Sample site locations	Y	
Project map	All site data symbols attached to sites	Y	
	Lake summary symbols	Y	
	Reach data symbols on all reaches <30% gradient and all reaches containing sites	Y	
	Features, obstructions, etc.	Y	
	Reach breaks and numbers	Y	
Interpretive map	Reach summary symbols for all reaches in the project area	NA	
	Features, obstructions	Y	
	Fish distribution limits	Y	2
	Stream class	Y	

Notes:

- 1) the maps claim have “Skeena Cellulose Inc.” listed on them. NWBC ? Changed.
 2) see comments on back page

Stream Report Attachments

Report section	Attribute	Accept. (Y/N)	Notes
Attachment I. Planning document	Budget breakdown by phase	na	
	Project sampling design	Y	
	Process of site selection	Y	
	Reach table	Y	
	Lake table	Y	
	Random sample table	Y	
	References, contacts list	Y	
Attachment II. Field notes	Field book or facsimile	Y	
	Site cards	Y	
	Fish collection forms	Y	
	Individual fish data forms	Y	
	Field working maps	na	
Attachment III. Fish ageing structures	Actual ageing structures	-	missing
	Labelled photocopies	-	
	Annuli identified with red	-	
	Age data are correct	-	
Attachment IV. Voucher, DNA samples	Table: Vouchers collected	NA	
	Table: DNA collected	NA	
Attachment V. Photodocumentation	Table: Photo summary report	Y	
	Colour thumbnail reference	Y	
	Photo CD	Y	
	CD Image #s match digital	Y	
	Negatives in plastic sleeves	Y	
	Negatives labelled	Y	

Notes:

Attachment III. Some ageing structures are located at Triton office in Terrace, and some are located at the Ministry of Water Land and Air Protection as part of the enhanced bull trout study.

Report section	Attribute	Accept. (Y/N)	Notes
Attachment V. Photodocumentation (cont.)	Negative #s match digital	Y	
	Prints in plastic sleeves	Y	
	Prints labelled	Y	
Attachment VI. Digital data	Budget breakdown by phase	na	
	Project sampling design	Y	
	References, contacts list	Y	
	Table of vouchers collected	Y	in FDIS
	Table of DNA collected	Y	in FDIS
	Photo summary report	Y	in FDIS
	Report tables, figures	Y	
	Report text	Y	
	FDISDAT.MDB	Y	
	Mapping files (plot files)	N	Missing Sent to Chris Schell
	Mapping files (metadata and map features files)	N	Missing Sent to Chris Schell
Attachment VII. FISS update data	FISS data forms and maps	Y	
	Copies of reference material	Y	
	Data on forms match FDIS	Y	
Attachment VIII. Aerial photography	Purchased aerial photos	na	
	Aerial video tape	na	

-195700-6200 R1 – should be solid red, not dashed. Site 883 shows BT and ST. O.K.

-ILP #11529 R1 – site 226 NFC, gradient 16%, fish habitat valued as low shown as dashed red on the map. Shouldn't this reach be identified for resampling? O.K.

-60300-42000 R1 – is this reach solid or dashed blue. The map gives it half and half with no identifiable reason. Dashed blue.

March 12, 2003

Jason Harris
Triton Environmental Consultants Ltd.
#300-4546 Park Ave.
Terrace, BC, V8G 1V4

Re: Stage 3 QA on phases 5-6 fish and fish habitat inventory in the Shelagyote River area (Shelagyote River, Cayuse Jack Creek, Le Clair Creek, Shenismike Creek)

Jason:

This letter is to inform you that I have looked over the files you e-mailed me and found everything to be in order and to standards for fish and aquatic inventory. I now consider this project to have passed QA review.

If you have any further questions please contact me by e-mail (schell@bulkley.net) or by telephone (250-847-9059).

Sincerely,

Chris Schell

APPENDIX IV

Phase I-III Project Plan (with attachments)

PHASES I-III
PRE-FIELD PROJECT PLANNING REPORT
Reconnaissance (1:20,000) Fish and Fish
Habitat Inventory in the Shelagyote River
area (Shelagyote River, Cayuse Jack Creek,
Le Clair Creek, Shenismike Creek)

Shelagyote River WSC 480-195700
Cayuse Jack Creek WSC 480-195700-36100
Le Clair Creek WSC 480-1600900
Shenismike WSC 480-069500

Prepared for:

Skeena Cellulose Inc.
Carnaby Operations
#10 North Boundary Rd.
South Hazelton, B.C.
VOJ 2R0

July 2001

Prepared by:



#300-4546 Park Avenue
Terrace, BC V8G 1V4
Tel: (250) 635 1494 Fax: (250) 635-1495

PHASE I - III PRE-FIELD PROJECT PLANNING REPORT

Reconnaissance (1:20,000) Fish and Fish Habitat Inventory in selected tributaries within the Shelagyote River area (Shelagyote River, Cayuse Jack Creek, Le Clair Creek, Shenismike Creek)

FRBC Multi-Year Agreement Number:	0000102
MELP Project number:	SCI_C172_010_2001
FRBC Activity Number:	716432
FDIS Project Code:	5098
Project Name:	Reconnaissance (1:20,000 scale) Fish and Fish Habitat Inventory in selected tributaries within the Shelagyote River area (Shelagyote River, Cayuse Jack Creek, Le Clair Creek Shenismike Creek)
Project Type:	1:20,000 Reconnaissance
Report Date:	July 31, 2001
Proponent:	Skeena Cellulose Inc.
Company/Agency:	Triton Environmental Consultants Ltd.
Contact Person:	Jason Harris
Contact Phone:	(250) 635-1494
Contact E-Mail:	jharris@triton-env.com
Ministry Representative:	Paul Giroux
FRBC Coordinator	Todd Mahon

TABLE OF CONTENTS

	Page
1.0 INTRODUCTION	1
1.1 Summary of Work Completed	1
2.0 STUDY AREA AND ACCESS	1
2.1 List of Trim Maps	1
2.2 Working areas and major Sub-basins within the project area	2
2.3 Access	2
3.0 BACKGROUND REVIEW	2
4.0 DEVIATION FROM RIC STANDARDS	2
4.1 Planning Phases	2
4.2 Enhanced Bull Trout Inventory	3
4.2.1 Reach Descriptions and Ratings	4
4.2.2 Additional FFHI Sample Sites in Mainstem Reaches	6
4.2.3 Spawning Reach Assessments	6
4.2.4 Adult Sampling	6
4.2.5 Summary Report	7
5.0 STANDARD RIC FFHI PROJECT PLAN	7
5.1 Phase 4: Field Data Collection (Streams)	7
5.1.1 Pre-Field Preparation	7
5.1.2 Equipment	8
5.1.3 Field Assessment	8
5.1.4 Fish Species Sampling	8
5.1.5 Habitat (Site) Description	9
5.1.6 Water Quality	10
5.1.7 Wildlife Observations	10
5.1.8 Photographic Documentation	10
5.1.9 Inventory Area Specific Sampling	10
5.1.10 Non Fish Bearing Reaches	11
5.1.11 Lakes Sampling	11
5.2 Lakes Plan	11
5.2.1 Phase 4: Field Data Collection	11
5.2.2 Pre-Field Preparation	12
5.2.3 Equipment	12
5.2.4 Field Assessment	12
5.2.5 Fish Species Sampling: Primary Lakes	12
5.2.6 Fish Species Sampling: Secondary Lakes	13

5.2.7 Fish Species Sampling: General	13
5.2.8 Lake Habitat Descriptions	14
5.2.9 Water Quality	15
5.2.10 Wildlife Observations	15
5.2.11 Photographic Documentation	15
6.0 PHASE 5 – DATA COMPILATION	16
7.0 PHASE 6 - REPORTING AND MAPPING	16
8.0 PROJECT TIMELINES	17
9.0 PROPOSED STAFF	17
10.0 EQUIPMENT LIST	18
11.0 CONTINGENCY PLAN	19
List of Tables	iii
List of Figures	iii
List of Digital products	iv
List of Appendices	iv

LIST OF TABLES

Table 1:	Sample Site Summary	10
----------	---------------------	----

LIST OF FIGURES

Figure 1:	Shelagyote Inventory Area Overview Map	v
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LIST OF DIGITAL PRODUCTS

List of References	shely_sci_bibliography_2001.doc
List of Contacts	shely_sci_contacts_2001.doc
Project Planning Report	shely_sci_project_plan_2001.doc
Phase Completion Report	shely_sci_phase_comp_2001.doc

Shelagyote Digital Data

Shelagyote Stream ILP Data Sheet	shelagyote stream_ilp.dbf
Shelagyote Lake ILP Data Sheet	shelagyote lake_ilp.dbf
Shelagyote Wetland ILP Data Sheet	shelagyote wetland_ilp.dbf
Shelagyote FDIS	FDISDAT.mdb
Shelagyote Overview Map	shelagyote.pdf

LIST OF APPENDICES

Appendix I:	Project Phase Completion Report - Phase I-III
Appendix II:	Bibliography
Appendix III:	List of Key Contacts and Information Sources
Appendix IV:	Shelagyote Reach Sampling Summary Report (with sample selection)
Appendix V:	Bull Trout Report Format and Outline

1.0 INTRODUCTION

Triton Environmental Consultants Ltd. was retained by Skeena Cellulose Inc. (Carnaby Operations) in partnership with Forest Renewal British Columbia (FRBC) and Ministry of Environment Lands and Parks (MELP) to conduct a reconnaissance level fish and fish inventory in the Shelagyote River area. This report summarizes work completed in Phases I-III and outlines the project plan for Phases IV-VI.

1.1 Summary of Work Completed

A summary of work completed for Phase I-III is outlined in the attached Phase Completion Report (Appendix I). This summary includes:

- contractor information;
- list of deliverables submitted;
- activity log;
- summary of work completed;
- summary of phase costs;
- progress and problems summary; and
- next phase project plans and constraints.

2.0 STUDY AREA AND ACCESS

The Shelagyote River study areas are located north of the city of Hazelton. The Shelagyote study area includes all tributaries to the Shelagyote River and all tributaries located along the north bank of Babine River between WSC 480-069500 (Shenismike Creek) and WSC 480-195700 (Shelagyote River).

2.1 List of Trim Maps

The 1:20,000 TRIM sheets covering this project area include:

Shelagyote Working Area

93D.004	93D.005	93M.055	93M.064	93M.065	93M.073
93M.074	93M.075	93M.083	93M.084	93M.085	93M.093
93M.094	93M.095				

2.2 Working areas and major Sub-basins within the project area

The sub-basins to be sampled in the project area include:

Shelagyote Working Area

Shenismike Creek	(WSC 480-069500)
Le Clair Creek	(WSC 480-160900)
Anta Pass Creek	(WSC 480-195700-29500)
Cayuse Jack Creek	(WSC 480-195700-36100)
Barger Creek	(WSC 480-195700-69300)
Shelagyote River	(WSC 480-195700)

2.3 Access

Sub-basins within the project area will be access by helicopter.

3.0 BACKGROUND REVIEW

An extensive background review was completed for the project area. Data sources reviewed include:

- consultants reports;
- SCI planning and stream class information;
- previous inventory data;
- FISS data base and maps; and
- DFO/MELP Fish Habitat Inventory and Information Program (FHIIP or SISS).

A complete list of references and contacts used during the background review is provided in Appendix I. The background review indicated that the following species are present within project area:

- coho salmon (*Oncorhynchus kisutch*);
- chinook salmon (*O. tshawytscha*);
- steelhead/rainbow trout (*O. mykiss*);
- Dolly Varden char/Bull Trout (*Salvelinus malma*);

4.0 DEVIATION FROM RIC STANDARDS

4.1 Planning Phases

Sample site selection was based on satisfying the types of stream reaches identified in the Sample Size Summary table (as generated by the FDIS random generated planning tool).

Prior sampling, fish presence and historical features have been added to the planning maps and the FDIS database. These sites were used to modify the sampling plan and avoid redundancy in sampling efforts.

Potential obstructions identified during map and air photo review have been identified on the map with a P.O. (potential obstruction) abbreviation. These potential obstructions have not been included in the FDIS database because of problems associated with floating nids (GIS) and removal of these nids after ground truthing (data entry).

As discussed with Paul Giroux, random sites downstream of confirmed fish and upstream of End of Fish Use (EFU) will be removed or relocated (as discretionary sites) to support further fish distribution information.

Discretionary site selection focused on obtaining comprehensive fish distribution data from the major sub-basins within the study area. Discretionary sites were selected to achieve connectivity within sub-basins and identify upstream limits for fish distribution. Major inlets of primary and secondary lakes, as well as reaches that may contain barriers were potential candidates for discretionary sites. Forest development planning and the operational needs of the licensee were also considered when selecting sites.

Randomly selected reaches are shown on the interim maps with a green highlighter and red label dots. Randomly selected reaches that have been moved are shown with a green highlighter that has been crossed out (no label dot). Discretionary sites are shown with a green dashed line and yellow label dot. Label dots were used to allow for easier identification of sites.

FISS data will be compiled, edited and submitted at the completion of phase 6. FISS updates will include existing information found during the data search and new site information captured during the field inventory.

Detailed reach planning was not conducted during the planning phases, as it is anticipated (based on previous experience) that several reaches will be moved during pre-field meetings with the licensee, ministry representatives and during the sampling program. We anticipate several changes to the sampling plan, and as discussed with Paul Giroux and SCI these changes will significantly alter the original sample site selection. Detailed reach planning forms will be completed during phase 5 and will be submitted as a deliverable for phase 6.

4.2 Enhanced Bull Trout Inventory

The goal of the enhanced bull trout inventory is to obtain preliminary life history, distribution, and habitat information for the bull trout population in the Shelagyote watershed. This work will provide baseline information for forest management decisions and may be used to direct future, more intensive research by BC Environment.

This work consists of 5 components:

1. Watershed-wide habitat descriptions and suitability ratings for reaches possibly containing adult staging and/or spawning habitat.
2. Additional FFHI 1:20k sites within suspected high value juvenile rearing reaches to better document the distribution & habitat of bull trout within the watershed.
3. Identify and field verify spawning sites and reaches within the Shelagyote watershed.
4. Conduct adult sampling to collect life history information and verification of habitat suitability ratings as well as, identification of suspected pre- and post-spawn staging areas.
5. Summarize the methods, results and potential management issues of objectives 1-4 in a document that functions as a stand alone report from the regular RIC FFHI report.

4.2.1 Reach Descriptions and Ratings

The objective of this component is to document the habitat characteristics of reaches of the Shelagyote River and mainstem section of its largest tributaries, and to provide ratings/rankings of those reaches for various life history requisites of bull trout. The baseline reach evaluation will facilitate habitat stratification for other components of this work and any future research that is conducted. It will also facilitate evaluation of proposed forest development activities by providing baseline information on the location and amount of specific habitats throughout the entire watershed.

Methodology

1. Reach assessment of the Shelagyote River and major tributary mainstems will be based on the reach delineation conducted as part of the Phase 1-3 FFHI activities. Given the focused interest in these streams, however, it is anticipated that subreaches, sections or sites may be identified that offer specific high value habitats to bull trout life history requisites.
2. An overview flight will be conducted to assess or verify reach delineation, habitat composition, and suitability ratings. Oblique aerial photos of representative and high values reaches/subreaches/sections/sites will be taken and provided in the final report.
3. Based on 1 and 2 above, suitability rankings are to be provided for each reach/subreach/section/site with respect to the value of the habitat in that section of stream with respect to (but not limited to) adult rearing, adult staging, spawning, and overwintering habitat. As discussed with Paul Giroux, habitat suitability ratings will follow a 3 class system (Red - Confirmed, Blue - Potential, Black - Low Potential). As an example, staging areas where bull trout are captured will be considered confirmed staging areas and on the final map the annotation will show a BT/ST in red with a leader line identifying the site. Where

a site is considered to provide low spawning potential the BT/SP will be colored black and the leader line will identify the site.

4. The following habitat parameters in combination with professional judgment will be used in evaluating potential rearing habitat for adult bull trout:
 - Potential adult bull trout rearing habitat - Frequent deep (>50 cm) pools, occasional large (>1 m) pools, deep runs along river banks, abundant LWD, moderate gradient, perennial flows and diverse habitats.
 - Low potential adult bull trout rearing habitat – Ephemeral flows, low habitat complexity, lack of cover, shallow average water depths, lack of significant pools and high gradients.
5. The following habitat parameters in combination with professional judgment will be used in evaluating potential spawning habitat for adult bull trout:
 - Potential bull trout spawning habitat – Abundant accumulations of gravels (>10% of total habitat area), perennial flows, moderate gradient and moderate water velocity.
 - Low potential bull trout spawning habitat – A lack of significant accumulations of gravels suitable for spawning, a high proportion of fines mixed with gravels, low average water velocity, high average water velocity, high gradients and turbulent flows.
6. The following habitat parameters in combination with professional judgment will be used in evaluating potential staging habitat for adult bull trout:
 - Potential bull trout staging - Frequent large (>2 m dia) deep pools, occasional very large (>5 m dia) deep pools, pools associated with log jams, canyon sections and plunge pools below cascades and falls.
 - Low potential bull trout staging – Pools too shallow, ephemeral flows, infrequent resting or holding water.
7. Over wintering habitat will be assessed by field crews on the ground and crews will consider winter flows and freeze up conditions when assessing this.
8. There are a number of limitations to identifying bull trout habitat within the Shelagyote watershed. Based on the data present for the watershed we have found that water or sampling conditions have not always been favorable for identifying some of the habitat we intend to identify and a number of assumptions will need to be made on site and during the data compilation and reporting phase. Currently we are assuming that water and sampling conditions will be favorable for identifying rearing, spawning, staging and overwintering habitats within the watershed, but water conditions (height and clarity), weather conditions, run-timing and helicopter access may limit the accuracy of this data and the reader is cautioned when interpreting the results.

4.2.2 Additional FFHI Sample Sites in Mainstem Reaches

The purpose of this work is to provide enhanced information on the distribution of bull trout within the watershed, beyond what is anticipated from the normal RIC sample intensity.

Methodology

An additional 5-10 (target=8) sample sites will be added to the mainstem of the Shelagyote River or major tributaries. The number and location of additional sites will be discussed among Triton, Todd Mahon, and Paul Giroux during the Phase 3 sampling plan review meeting.

4.2.3 Spawning Reach Assessments

The goal of this activity is to identify spawning sites and reaches within the Shelagyote watershed and document the characteristics of those sites and reaches.

Methodology

Two crews of 2 individuals will walk or snorkel, tributary and mainstem reaches identified during the reach descriptions and ratings phase of the project, as containing potential spawning habitat to locate spawning bull trout or redds.

1. Timing of assessments is critical and must be conducted during the relatively short spawning period. Based on MELP observations last year August 25th-September 5th appears to be the best time for this work.
2. Where spawning bull trout are located data will be recorded on FDIS Site and Fish Collection Forms. All areas examined will be geo-referenced using GPS and identified on the 1:20k FFHI map.

4.2.4 Adult Sampling

The purpose of adult sampling is to collect life history information and verification of probable pre- and post-spawn staging areas.

1. Conventional angling techniques will be used to sample adult fish from candidate staging/recovery sites identified during the reach descriptions and rating phase. Funding and conditions permitting, 1 sample is to occur in each of the pre-spawning (1-15 August), spawning (15 August-5 September), and post-spawning (5-20 September) periods. If funding is limited emphasis is to be placed on the pre-spawning sample.
2. Data recording methods will be consistent with the 1:20,000 Reconnaissance Fish and Fish Habitat Inventory Standards (April 1998). All fish sampling data will be recorded on Fish Collection Forms and Individual Fish Data Forms. Captured

bull trout will be placed in a water bath and anesthetized with a clove oil/ethanol solution of 1:10 parts at a concentration of 1:4000, of clove oil solution to water. The following data will be recorded for each bull trout captured:

- fork length to the nearest mm. Three (3) bull trout for each length class will have 1 cm of the pectoral fin closest to the body removed for aging. All bull trout captured will have adipose tissue sampled for DNA analysis or archival (length classes will be broken down into 5 cm increments starting at the 30-35 cm range, followed by 35.1-40, 40.1-45...);
 - gender will be determined using head shape and sexual morphology (associated with spawning), or recorded as unidentified; and
 - maturity will be estimated by visual inspection of fish coloring and condition.
3. Photographs will be taken of each bull trout fin clipped and handled. Photos taken will include:
- frontal lateral view;
 - frontal dorsal view;
 - overall lateral view; and
 - ventral view showing the anal and caudal fin.
4. UTM coordinates will be determined for each bull trout capture site.

4.2.5 Summary Report

Objectives, methods, results and potential management issues of components 1-4, above, will be summarized in a stand-alone report in addition to the regular RIC FFHI report. This report will be brief with 1-5 pages of text associated with each activity and tables, figures and photos as appropriate (see Appendix V for report format and outline).

Based on the results of the FFHI inventory an overview map (~ 1:50k to 1:125k scale) showing the confirmed and suspected distribution of bull trout within the Shelagyote watershed will be included in the summary report.

5.0 STANDARD RIC FFHI PROJECT PLAN

5.1 Phase 4: Field Data Collection (Streams)

Following is an outline of our approach to the fieldwork, clarification of specific sampling methodologies, and an estimate of the effort required. The following sections describe the methodologies and approaches to complete standard RIC FFHI field sampling, data collection and reporting.

5.1.1 Pre-Field Preparation

Pre-field preparations will entail both office activities and logistics planning in coordination with members of the project team, the Implementation Contractor and SCI. Fish collection permits will be obtained from the Ministry of Environment, Lands and

Parks (MELP) and the Department of Fisheries and Oceans (DFO) prior to commencement of field activities.

Pre-field preparations will include a crew talk and pre-field training. During the crew talk, safety issues and procedures will be reviewed. All staff will be required to complete pre-field training to review standards and procedures. Crewmembers who are not involved in the planning phases will be informed about project specific logistics and requirements. The crew talk and pre-field training will provide a means to ensure that all inventory cards are completed in a standardized manner by all crews and that crews are aware of QA/QC requirements.

5.1.2 Equipment

Triton possesses the majority of field equipment necessary to complete the project. Field equipment will be secured prior to the commencement of Phase 4 (Field work).

Each crew will be equipped with a Smith-Root Model 12A backpack electrofisher and other standard field gear (Abney level, hip chain, tape measure, VHF radio, first aid kit, etc.).

5.1.3 Field Assessment

Two person field crews will conduct fieldwork and crews will be transported by helicopter to the sample sites.

Field crews will be supplied with forest cover maps, TRIM planning maps and aerial photographs to assist in locating and accessing reaches of interest. Reaches will be largely accessed using compass bearings, hip chains and GPS units. Fluorescent pink flagging tape labeled with TECL (Triton Environmental Consultants Ltd.) will be used to mark the surveyed section of stream.

5.1.4 Fish Species Sampling

Fish sampling efforts will focus on reaches of <20% gradient (>20% at the FRBC coordinator, Regional Inventory Specialist and Project Manager's discretion (i.e. suspected bull trout, regionally significant species presence)) and will follow the procedures outlined in the *Reconnaissance Fish and Fish Habitat Inventory: Standards and Procedures* (May, 1998) and the *Forest Practice Code's* Fish Stream Identification Guidebook. A minimum 100 m of stream length or a length equal to 10 bankfull widths (whichever is greater) will be sampled in each reach identified for sampling. In addition, intermittent fish sampling may be conducted during travel between sample sites (in an upstream direction), upstream and downstream of barriers and within habitat features (pools, debris jams etc.) that may be utilized by fish.

The presence, relative abundance and diversity of fish species will generally be evaluated through electroshocking at least 100 linear meters of stream length. In areas where return visits are practical, minnow traps baited with salmon roe will be set and allowed to remain for a 24-hour period. This sampling method will be used to supplement electroshocking data, or in areas that are not suited to electroshocking (deep pools, wetlands, and active spawning areas). Other sampling methods, such as snorkeling, beach seining, and angling may be used where necessary, or where requested by the Project Monitor.

All fish sampling data will be recorded on Fish Collection Forms. The following data and samples will be recorded and collected for fish caught at each sampling site:

- species (keyed out using RIC's Field Key to Freshwater Fishes of BC). Special attention will be given to documenting species at risk in Region 6;
- length to the nearest mm (fork length or total length depending on species) determined for 30 random samples of each fish species captured including the longest and shortest fish;
- life stage;
- a representative sample of any abnormal or unidentified fish or a species of fish out of its normal range will be preserved and submitted to the Implementation Contractor.

5.1.5 Habitat (Site) Description

A reach description will be completed for each reach (at fish sampling sites), consistent with the Site Description form and entered into MELP's MS Access database as part of Phase 5. Each sampling site length will be 100 m, or >10 bankfull widths whichever is greater. The following data will be collected at each site:

- site length
- stream gradient
- 6 individual channel and wetted width measurements
- estimates of the percentage areas of the different habitat units
- estimates of bed material size, by size class
- measurements of stream cover / riparian vegetation and large organic debris
- channel confinement
- water temperature
- conductivity (ambient)
- major features (fish passage barriers, log jams, LWD, beaver dams, clay slides, etc.)
- obvious fish habitat limitations or restoration opportunities
- preliminary identification of obvious Fisheries Sensitive Zones as per Fish-stream Identification Guidebook specifications.

5.1.6 Water Quality

Triton will sample water quality parameters in the field at each sample site. Parameters will be measured in the field in order to reduce laboratory costs and shipping and receiving requirements. Specifically, Triton proposes to measure water temperature using standard field thermometers, pH and conductivity using hand held meters, and turbidity using visual estimates.

5.1.7 Wildlife Observations

Wildlife observations will be noted and specific details recorded. Amphibians, aquatic invertebrates and macrophytes will be described and identified to Order or Family (where practical). Photographs will be taken for further documentation and confirmation. Wildlife observations will be recorded on the Site Card with emphasis placed on species considered rare, endangered or threatened as defined by the Conservation Data Centre.

5.1.8 Photographic Documentation

Photographs will be taken, recorded and presented as per the *RIC Guide to Photodocumentation* (March, 1996). Photographs will be taken of each sample site (including upstream and downstream perspectives), of each feature identified and of representative or unidentifiable fish species. Photographs will be documented on Site Cards and Fish Collection Forms.

5.1.9 Inventory Area Specific Sampling

Through completion of Phases 1-3 we have identified specific reaches to sample within the working area. Sample sizes are outlined in Table 1.

Table 1. Sample Site Summary by Inventory Area.

Inventory Area	Shelagoyote
No. of Reaches	2954
No. of Reaches <30%	2259
No. of Reaches <20%	1851
No. of Sites	120
% of Reaches Sampled (Total)	4.1%

The criterion for sample site selection was discussed with MELP's Fisheries Inventory Specialist, Mr. Paul Giroux. In order to achieve Reconnaissance (1:20,000) Fish and Fish Habitat Inventory objectives discretionary sites were selected using the following criteria:

- where it is necessary to determine fish presence within a sub-basin;
- to address fisheries distribution within the project area;
- inlets and outlets of lakes where it is necessary to determine fish presence within a sub-basin;

- lower order reaches that are likely to delineate the upper limits of fish distribution;
- within or adjacent to proposed cutblocks;
- above and below potential barriers; and
- around the 20% gradient break.

5.1.10 Non Fish Bearing Reaches

The fish bearing status of streams may be directly supported by sampling data or indirectly inferred based on fish captures in associated reaches, or habitat quality and the occurrence or lack of barriers to fish passage. Should a barrier be located, sampling will focus on covering perennial and non-perennial habitat types above that barrier. Minnow traps and small gill nets will be set overnight in possible overwintering wetlands and where practical, primary or secondary lakes sampling methods will be conducted.

Identification of barriers in the field is critical to describing and assessing fisheries distribution within a particular watershed or stream. Field crews will try to identify these barriers while on site, by either using a helicopter recce of the stream or by strategically moving sample sites while still in the field. Field crews will be in constant contact with Paul Giroux should the proposed plan need modifications or altering. At the end of each field day crews will meet to discuss data and color code interpretive maps. This color coding of maps will allow field crews to identify unanswered questions regarding distribution and make proper changes while still in the field.

For all reaches with non-fish bearing classification a written explanation supporting the classification will be submitted (Non-Fish Bearing Classification Report) in the final report. The explanation will focus on sampling methods utilized during the field program, and water quality parameters, including conductivity and turbidity.

5.1.11 Lakes Sampling

Lakes have not been specifically selected for sampling. After discussions with Paul Giroux (Regional Fisheries Inventory Specialist), lakes to be sampled will be selected after the conclusion of the stream-sampling program. Lakes sampling will then focus on attaining information that will be of value to both MELP (watershed wide fish distribution) and the licensee (headwater lakes which support fish).

Should lake sampling be required the following plan will be used.

5.2 Lakes Plan

5.2.1 Phase 4: Field Data Collection

Following is an outline of our approach to the fieldwork, clarification of specific sampling methodologies, and an estimate of the effort required. The following sections

describe the methodologies and approaches to complete field sampling, data collection and reporting for primary and secondary lake inventories.

5.2.2 Pre-Field Preparation

Pre-field preparations will entail both office activities and logistical planning. Fish collection permits will be obtained from MELP and DFO as part of pre-field planning.

5.2.3 Equipment

Triton possesses most of the field equipment necessary to complete a lake project. A rental vehicle (4X4 truck) and programmable VHF hand held radios will be secured prior to the commencement of field work. Additional lakes sampling equipment is owned by Triton including, Zodiacs and outboard motors, Van Dorn bottles, depth sounders, electroshockers and cameras.

5.2.4 Field Assessment

A 2-person field crew will conduct fieldwork for lakes. Crew mobilization will take place using a variety of methods, which will maximize the efficiency of the field program depending on specific access available at each lake. For lakes with road access, the field crew will utilize a 4X4-crew cab pickup truck. For sites in which road access is unavailable the field crew will be mobilized by helicopter.

The field crew will be equipped with a Smith-Root Model 12A backpack electrofisher, gill nets, minnow traps and other standard field gear (zodiac and motor, clinometer, hip chain, tape measure, Van Dorn bottle, VHF radio, first aid kit, etc.). Utilizing a combination of these methodologies will ensure that field efficiency is maximized and the project target is attained.

5.2.5 Fish Species Sampling: Primary Lakes

Multi-panel floating and sinking gill nets will be the principal fish sampling method utilized in primary lakes, along with minnow traps and angling. Gill nets (floating and sinking) to be used will follow specifications for standard nets used in reconnaissance level lake inventories in B.C. Gill nets will be set with the smallest mesh size at the shallow end of the net set and secured to a point on shore. Gill nets and minnow traps will be allowed to fish overnight for a minimum period of 8 hours. Gill nets will be set in the evening and monitored for approximately 30 - 45 minutes for an indication of catch success. Professional judgment will be applied to reduce the netting effort if early indications of net catch suggest excessive fish mortality will result from a standard two net or overnight set. The depth sounder will be operated while setting gill nets to provide a record of bottom substrates and the presence of submerged logs or snags.

Baited (boraxed salmon roe) minnow traps will be set around the perimeter of the lake within shallow shoal areas. Water depths at trap sites will be between 0.3 m and 1.5 m and the trap entrances will be placed parallel to shore or submerged cover. Styrofoam floats will be attached to the traps with a 1.5 m length of string. Minnow traps will be allowed to fish overnight for a minimum of 8 hours.

Inlet and outlet streams will be sampled using an electroshocker to determine fish species presence and relative abundance.

5.2.6 Fish Species Sampling: Secondary Lakes

Secondary lakes are intended to be quick (1 day) surveys of fish species presence or absence. Gill nets will be set initially upon arrival to a lake and allowed to fish while the field crew completes their limnological sampling and other tasks. Minnow traps will also be set for the day during secondary lake surveys. Fish sampling in streams will not be conducted for secondary lakes unless downstream or upstream reaches are sampled during the concurrent stream inventory.

5.2.7 Fish Species Sampling: General

All fish sampling data will be recorded on waterproof Fish Collection Forms. The following data and samples will be recorded and collected for fish caught at each sampling site:

- species (keyed out using RIC's Field Key to Freshwater Fishes of BC). Special attention will be given to documenting species at risk;
- life stage;
- wet weight (in grams);
- a representative sample of any abnormal or unidentified fish or a species of fish out of its normal range will be preserved and submitted to the Implementation Contractor as will all non-game fish captured from each 2nd - 4th order watershed.

Non-lethal aging structures will be removed from a subsample of fish captured in lakes (generally 30 of each species) to determine the age of cohorts present in the lake. Aquatic insects, invertebrates and amphibians will be identified, enumerated and released. Unidentified invertebrates will be retained and preserved in buffered 10% formalin.

A reach description will be completed for one reach of the major inlet and outlet streams to each primary lake consistent with the Site Description form and entered into MELP's MS Access database as part of Phase 5. Each sampling site length will be 100 m, or >10 bankfull widths whichever is greater. The following data will be collected at each site:

- site length
- stream gradient
- 6 individual channel and wetted width measurements

- estimates of the percentage areas of the different habitat units
- estimates of bed material size, by size class
- measurements of stream cover / riparian vegetation and large organic debris
- channel confinement
- water temperature
- conductivity (ambient)
- major features (fish passage barriers, log jams, LWD, beaver dams, clay slides, etc.)
- obvious fish habitat limitations or restoration opportunities
- preliminary identification of obvious Fisheries Sensitive Zones as per Fish-stream Identification Guidebook specifications.

For secondary lakes a visual survey of each inlet and outlet will be conducted to determine the presence of potential habitats that are important to fish.

For all inlet and outlet reaches with non-fish bearing classification a written explanation supporting the classification will be submitted. The written explanation will be included in the final report. The discussion will focus on sampling methods utilized during the field program, water quality parameters including conductivity and turbidity and recommendations for follow-up sampling.

5.2.8 Lake Habitat Descriptions

Bathymetric soundings will be conducted using a Lowrance X-16 electronic depth sounder. The transducer will be mounted on the transom of a 3 m Achilles inflatable boat powered by a short-leg 9.9 hp Johnson outboard. This combination of boat and motor will allow transects to be conducted in water as shallow as .30 m in depth, resulting in accurate estimates of distance at transect start and end points. Depths within shoal areas and weed beds will be measured with a measuring pole.

An E-line transect will be performed along the main (long) axis of the lake to determine the maximum depth in the main basin of the lake. Upon completion of the e-line transect, a shoreline perimeter cruise will be conducted to record lakeshore features, surrounding terrain, vegetation and aquatic plant descriptions.

Full bathymetric surveys will only be required on primary lakes. Transects will be conducted in a straight line, perpendicular to the shoreline and towards an easily identifiable feature on the opposite shoreline (i.e. point, snag etc.). A constant speed will be maintained for the duration of each transect (~1 m/sec). Speed will be estimated using a floating object tossed in the water ahead and to one side of the boat and timed as it passes beside the boat from bow to stern. Echograms will be marked with a single solid line to represent the start of each transect and double solid lines to indicate end points. Measurement of lake surface area and drainage area will be determined using a Placom KP-90N digital planimeter.

5.2.9 Water Quality

Triton field crews will sample water quality parameters in the field at each limnology station. EMS numbers will be acquired from MELP prior to the commencement of fieldwork in primary lakes. Parameters will be measured in the field in order to reduce laboratory costs and shipping and receiving requirements. On primary lakes, water samples will be sent to a certified laboratory for analysis. Parameters analyzed will follow the Lake and Stream Inventory manual and will be discussed on a case by case basis with the Regional Fisheries Inventory Specialist.

Specifically, Triton proposes to measure field air and water temperature using standard field thermometers, pH and conductivity using hand held meters, and turbidity using visual estimates.

Lake limnological sampling will also include a dissolved oxygen/temperature profile, to be completed with a YSI DO probe. A secchi depth measurement to be taken at the deepest point within the lake. Conductivity and pH will be measured from just below the surface and above the lake bottom. Water samples within the lake will be collected with a Van Dorn bottle.

5.2.10 Wildlife Observations

Wildlife observations will be noted and specific details recorded. Amphibians will be identified in the field. Abundant invertebrates will be described and field identified to Order or Family (where practical), as will aquatic macrophytes. Photographs will be taken for further documentation and confirmation. Wildlife observations will be recorded on the lake survey form with emphasis placed on species considered rare, endangered or threatened as defined by the Conservation Data Center.

5.2.11 Photographic Documentation

Triton will make extensive use of photography throughout the project. For lakes, a series of panoramic pictures will be taken from the geographic center of the lake. Pictures will also be taken which highlight geographic features, surrounding country and aquatic vegetation. Other photographs taken on lakes will include evidence of recreational use, wildlife features and fish species (if captured).

Photographs will be documented on lake survey form and Triton's photodocumentation form. The photos will be presented in the report in a manner that meets RIC standards.

6.0 PHASE 5 – DATA COMPILATION

The office portion of Phase 5 will entail entering hardcopy field notes and field forms into requisite electronic database forms including lake forms, site cards, fish collection forms and photodocumentation Form 1. ILP's, submitted during the initial phases will be converted to watershed codes and NID's will be converted to UTM coordinates for mapping and georeferencing purposes. Photographs taken during the field will be developed, captioned and coupled with lake forms and site cards where applicable. Additional photographs will be indexed in referenced binders with photodocumentation cards and negatives. Bathymetric and lake outline mapping will be completed during Phase 5.

7.0 PHASE 6 - REPORTING AND MAPPING

The final report will follow the outline provided in the Reconnaissance (1:20,000) Inventory Standards and will include data analyses, fisheries values, stream and riparian classifications and management recommendations. This report will contain fish bearing and non fish bearing classification reports and a table supporting each will include sampling methods (and effort), habitat conditions, barriers to fish passage and water quality parameters.

For all reaches with a non fish bearing classification a written explanation supporting the classification will be submitted (Non Fish Bearing Classification Report). The written explanation will be included in the site descriptions provided in the final report. The discussion will focus on sampling methods utilized during the field program, water quality parameters including conductivity, turbidity and recommendations.

All final map work will be produced using GIS software program. Maps produced digitally will include all information as per the requirements outlined in the Reconnaissance (1:20,000) Inventory Standards. The hybridized project/interpretative maps will include: watershed codes (ILP's); stream names; waterbody identifiers; reach breaks; fish sampling sites; fish species; features; stream classification; annotated fish distribution and historical data. Overview maps will accompany the final reports and will show sampling site locations.

8.0 PROJECT TIMELINES

Completion of Phase I to III Activities	July 31, 2001
Completion of Phase IV Activities	September 30, 2001
Completion of Phase IV Deliverables	January 15, 2002
Completion of Draft Phase V and VI Deliverables	March 31, 2002

9.0 PROPOSED STAFF

Project Manager	Jason Harris
GIS Coordinator	Dave Warburton
GIS Technician	Lori Logan
Crew Supervisor	Jason Dorey
Crew Member	Edward Lem
Crew Member	Shawn Giesbrecht
Crew Member	Jesse Anaka

10.0 EQUIPMENT LIST

Fish Collection/Crew

1 electrofisher
1 large battery
1 small battery
1 charger
2 anode poles
2 cathodes
3 pairs of linesman gloves
Fish Collection Permit
1 small net
measuring board
recovery bucket
10 minnow traps
bait
4 bottle of alcohol
voucher jars
Fish Collection Methods and Procedures
1 bottle of clove oil
scale envelopes
DNA vials
razorblade knife
ziplock bags
fishing license

Field Gear/Crew

2 compass		first aid kit		hip chain	bug dope
2 clino		2 wool blankets		string	2 scale rules
2 field books		waders		flagging tape	metric thermometer
site cards		wading boots		1 axe	pH meter
fish forms		aquaseal		file	conductivity meter
individual fish data		color film		caulks	two way radio
duksbak		waterproof camera		caulk wrench	radio frequencies

Misc

RIC inventory standards
contract
fish identification key
project contact list
winch
jack-all
tire iron
spare tire
shovel
axe
Swede saw
rope
tarps
planning maps
timesheets
expense claim forms
daytimers
1 flashlight

11.0 CONTINGENCY PLAN

It is critical that sampling be approached strategically, rather than (or in addition to) strictly site based. Crews will work from the approved plan, but if modifications to the plan lead to an increased knowledge of fish distribution (within the watershed) changes to the plan will be made. In cases where sampling could not be conducted, or where conditions for sampling were unfavorable, the field crews will make a number of assumptions in selecting new sites.

The following criteria will be considered when adding or moving sites:

- the establishment of fish presence within a catchment or basin (the intent here is not to chase EFU in every tributary);
- the identification of upstream limits of fish distribution;
- the investigation of barriers to fish passage; and
- the investigation of potential overwintering habitat. The identification and confirmation of barriers to fish passage have significant implications, where entire portions of sub-basins could be confirmed as non-fish bearing, pending the sampling of any potential overwintering habitats upstream of the barrier.

Strategic selection and professional judgement to relocate sites within the watershed will allow maximum sampling efficiency and it will also allow crews to assess barriers and fisheries values throughout the watershed.

APPENDIX I

Project Phase Completion Report – Phase I-III

PROJECT PHASE COMPLETION REPORT - PHASE I-III

FRBC Multi-Year Agreement Number: 0000102
MELP Project Number: SCI_C172_010_2001
FRBC Activity Number: 716432
FDIS Project Code: 5098
Project Name: Reconnaissance (1:20,000 scale) Fish and Fish Habitat Inventory in selected tributaries within the Shelagyote River Area (Shelagyote River, Cayuse Jack Creek, Le Clair Creek Shenismike Creek)
Project Type: 1:20,000 Scale Reconnaissance
Report Date: July 31, 2001
Proponent: Skeena Cellulose Inc.
Company/Agency: Triton Environmental Consultants Ltd.
Contact Person: Jason Harris
Contact Phone: (250) 635-1494
Contact E-Mail: jharris@triton-env.com
MELP Project Monitor: Paul Giroux
FRBC Coordinator: Todd Mahon

Table 1. List of Deliverables Submitted (Phase I)

Deliverable Product	Received	Approved (QA)
Bibliography (hardcopy and digital)		
List of Contacts (hardcopy and digital)		
Interim Maps with; • watershed boundaries • waterbodies with ILP's or watershed codes • reach breaks with NIDS • lakes with NIDS • proposed sample sites		
Reach tables (digital FDIS)		
Project Plan (hardcopy and digital)		
Lake tables (digital FDIS)		
Phase completion report (hardcopy and digital)		

Table 2. Activity Log (Phase I-III)

Date	Activity	Time Spent
June	Assign ILP's, delineate watershed boundaries	135 hours
June	Completing Reach Tables and Quality Control	45 hours
June	Completing Interim Maps and Quality Control	60 hours
June	Lakes planning and lakes information tables	30 hours
July	Completing Basin Classification, Reach Breaks, Lakes Classification and Quality Control	120 hours
July	Create contact list, bibliography, etc.	37.5 hours
July	Project Plan development	37.5 hours
July	Interim Maps/Sample Site Locations	45 hours

Summary of Work Completed

A meeting was conducted with Todd Mahon (contract monitor) to obtain information regarding the project specifications and project area.

A background data review was conducted to establish existing information within the Shelagyote watershed. These reports were obtained from the Ministry of Environment Land and Parks (MELP) office in Smithers, Skeena Cellulose in Smithers, various consultants and the BC Conservation Data Centre. A bibliography listing these reports was completed.

In the process of data collection and compilation consultants and government agencies were contacted. A list of contacts made during this process was completed.

FISS maps were reviewed and compared with the data collected during the background review. Information that was not included on the FISS maps, as well as new information gathered in Phase 4, will be transcribed to a corresponding 1:50,000 scale National Topographic Scale (NTS) map at Phase 5.

The project area boundaries were delineated on TRIM maps and all streams, wetlands and lakes were assigned, waterbody identifiers or ILPs. Watershed codes and ILPs were assigned using Arcview and FDIS.

Fourteen working TRIM map sheets are being used for the project.

Detailed map and air photo analysis was conducted in order to identify and classify sub-basins within the study area; to determine reach breaks; and to determine individual reach characteristics for all watercourses, lakes and wetlands. The delineation of sub-basins was based on stream order and hierarchy within the watershed.

All connected wetlands were identified and added to the interim maps. Wetlands with defined or partly defined channels, which convey flow, were included in the stream portion of the sampling plan. While wetlands without defined channels, or those with extensive ponding were included in the lake portion of the sampling plan.

All watercourses within the study area were divided into reaches and physical features affecting fish habitat suitability (including gradient, confinement, channel pattern and riparian vegetation) were identified.

All lakes within the study area were assigned to lake groups.

The focus of Phase 3 was to develop the detailed sampling plan and produce the planning report. The number of sample sites proposed and a brief rationale for sample site selection is provided in the project plan.

Planning for the field-sampling portion of this project followed a balanced approach between MELP requirements and licensee (SCI) operational needs. Initial sample site selection was undertaken using the FDIS random generator. Further discretionary sites were added to the initial randomly generated sampling sites. Discretionary sites were selected using the following criteria:

- existing fish species distribution data;
- strategies to determine fish distribution within each watershed; and
- licensee operational needs.

Revisions to the stream sampling plan (increased number of site, alternate site locations) will be revised at the beginning of Phase 4, which is scheduled to commence in the summer of 2001.

Table 3. Project Area Statistics

Inventory Area	Shelagyote
Project Area (Ha)	72687 a
Number of TRIM maps	14
Largest watershed (stream) order	5
Number of 3rd order basins	82
Km of streams	1906 km
Number of stream reaches	2954
Number of lakes	96

Table 4. Sample Site Summary

Inventory Area	Shelagyote
Number of Reaches	2954
Number of Reaches <30%	2259
Number of Reaches <20%	1851
Number of Reaches to be Sampled	120
Percent of Inventory Reaches to be Sampled	4.1

Progress and Problems Summary

Phase I-III was completed as scheduled. Watershed codes were assigned to a significant portion of the streams within each watershed. Searching through the watershed atlas was time consuming and much slower than using ILPs for stream delineation. The use of watershed codes will allow easier access to data management and possibly increase turnaround time for watershed code assignment from MELP.

Detailed reach planning was not conducted during the planning phases, as it is anticipated (based on previous experience) that several reaches will be moved during pre-field meetings with the licensee, ministry representatives and during the sampling program. We anticipate several changes to the sampling plan, and as discussed with Paul Giroux these changes will significantly alter the original sample site selection. Detailed reach planning forms will be completed during phase 5 and will be submitted as a deliverable for this phase.

No lakes were specifically selected for sampling, therefore no detailed lakes forms were completed. After discussions with Paul Giroux, lakes to be sampled will be selected after the conclusion of the stream sampling program. Lakes sampling will then focus on attaining information that will be of value to both MELP (watershed wide fish distribution) and the licensee (headwater lakes which support fish in ephemeral systems).

Next Phase Project Plans and Constraints

FISS updates will be provided with the Phase VI deliverables as opposed to Phase III. At that time new information gathered from the field can be incorporated into FISS.

Summary of Phase 1-3 Costs

Professional Fees	\$20,886.00
Disbursements	\$603.00
Costs as per original budget	

Contract Monitor Acceptance

Report Submitted By: Jason Harris	Date:
Phase Completion Approved:	Date:
Comments:	

APPENDIX II

Bibliography

Bibliography

- Beere, M.C., 2000.** Memo to File: 34250-20-Fish-Special Stocks/Char/Bull Trout; Shelagyote (Babine R. watershed) River file, MELP Fisheries Branch, Victoria BC.
- DeGisi, J.S., 1997.** Reconnaissance Inventory of Alpha Lake; WBID 00647BABR; MELP Fisheries Branch, Victoria BC.
- DeGisi, J.S., 1997.** Reconnaissance Inventory of Beta Lake; WBID 006633BABR; MELP Fisheries Branch, Victoria BC.
- DeGisi, J.S., 1997.** Reconnaissance Inventory of Gamma Lake; WBID 00713BABR; MELP Fisheries Branch, Victoria BC.
- DeGisi, J.S., 1997.** Reconnaissance Inventory of Unnamed Lake; WBID 01693BABR; MELP Fisheries Branch, Victoria BC.
- DFO, 1983.** Catalogue of Salmon Streams and Spawning Escapements of Statistical Area 4 (Upper Skeena River). April 1983. Canadian Data Report of Fisheries & Aquatic Sciences. No. 394.
- DFO (1989).** Salmon Escapement and Timing Data for Statistical Area 4 of the North Coast of B.C., 1st edition, 1989. Dept. of Fisheries and Oceans, Prince Rupert, B.C.
- Giroux, P., 2001.** Trip Report, Shelagyote River, MELP Fisheries Branch, Victoria, BC.
- Howard, I., 1982.** Preliminary Environmental and Social Impact Assessment of the Stikine/Iskut Transmission System, July 1982, Volumes 1-4.
- Ministry of Fisheries, 1995.** FISS Maps For Fish Distribution, MELP Fisheries Branch, Victoria, BC.
- Ministry of Fisheries, 1999.** Summary Of Fish Distribution Data Extracted From The BC Lakes Database. MELP Fisheries Branch, Victoria, BC.

APPENDIX III

List of Key Contacts and Information Sources

List of Key Contacts and Information Sources for Skeena Cellulose Stream Inventory Project

Name	Company/Agency	Title	Contact Numbers	Date	Comments
Todd Mahon	Skeena Cellulose Inc.	FRBC Co-ordinator	(250) 846-5449	Ongoing	- guidance throughout project - requested relevant SCI fisheries info.
Paul Giroux	MELP (Smithers)	Regional Inventory Specialist	(250) 847-7294 p (250) 847-7591 f	Ongoing	guidance throughout project
Darren Fillier	MELP (Kispiox)	Forest Ecosystem Specialist	(250) 842-7633	Ongoing	guidance throughout project
Dana Atagi	MELP (Smithers)	Fisheries Biologist	(250) 847-7290	July	requested info. regarding project area
Mark Beere	MELP (Smithers)	Fisheries Biologist	(250) 847-7297	July	familiar with fisheries resources throughout the study area
Ron Tetreau	MELP (Smithers)	Fisheries Technician	(250) 847-7294	July	requested info. regarding project area
Jeff Lough	MELP (Smithers)	Restoration Technician	(250) 847-7757	July	requested info. regarding WRP reports and current projects within study area
Chris Schell	Consultant	Fisheries Biologist	(250) 847-0180	July	- RIC Inventory expert - guidance throughout project
Dave Bustard	Consultant	Fisheries Biologist	(250) 847-2963	July	requested info. regarding project area
Lindsay	Maps BC (Victoria)	Mapping Technician	(250) 387-3022 f	June	flight lines/aerial photographs
Jan	Nanaimo Maps and Charts		(250) 754-2313	June	trim map request
Beth Rogers	BC Data Conservation Center	Data Manager	(250) 356-0928	June	data search
Dave Taft	Triton Environmental Consultants Ltd. (Terrace)	Local Legend	(250) 635-1494	Ongoing	familiar with fisheries and wildlife resources throughout the study area
Pierce Clegg	Babine Norlakes Lodge	Fishing Guide	(250) 847-6160	Ongoing	familiar with fish and wildlife resources throughout the study area
Ralph Kozman	Silvicon Services Inc.	Fisheries Biologist	(250) 847-3680	Ongoing	familiar with fish and wildlife resources throughout the study area
Lynn Miers	MELP (Victoria)	Data Administrator	(250) 387-9564	Ongoing	FDIS database request and ongoing support
Sean Cheesman	MELP (Victoria)	GIS Technicians	(250) 387-2579	Ongoing	WSC submission and RIC requirements
Barry Finnegan	DFO (Nanaimo)	North Coast Advisor	(250) 756-7038	July	requested info. regarding project area
Brenda Donas	DFO (Smithers)	Community Advisor	(250) 847-5298	July	requested info. regarding project area

APPENDIX IV

Shelagyote Reach Sampling Summary Report (with sample selection)



GRADIEN	FORM	SIZE								
		SMALL			MEDIUM			LARGE		
		Total	Sample	Actual	Total	Sampl	Actual	Total	Sample	Actual
1 ≤4	ST/SI	236	14	1	127	13	12	12	2	4
	IM/ME	37	9	0	41	10	4	14	2	3
	AN/BR	1	1	0	2	2	1	7	2	3
2 >4 and ≤8	ST/SI	280	15	1	132	13	17	22	2	10
	IM/ME	20	5	1	19	4	3	3	2	2
	AN/BR	0	0	0	3	2	2	0	0	0
3 >8 and ≤20	ST/SI	639	18	2	224	14	34	9	2	7
	IM/ME	11	2	0	9	2	4	0	0	0
	AN/BR	0	0	0	3	2	0	1	1	1
4 >20 and ≤30	ST/SI	316	15	0	89	8	6	1	1	1
	IM/ME	0	0	0	0	0	0	0	0	0
	AN/BR	0	0	0	1	1	1	0	0	0
5 >30	ST/SI	617	0	0	75	0	0	2	0	0
	IM/ME	1	0	0	0	0	0	0	0	0
	AN/BR	0	0	0	0	0	0	0	0	0
Reach Total: 2954		Sample Total: 164		Sample % 5.6		Actual Total: 120		Actual %: 4.1		

Group 1

Group 2

Group 3

Group 4

SAMPLE_TYP	NID	ILP	WSHD_CODE	REACH_ID	NID_MAP
B	17038		480-093700-01800-0	2.0	093M.063
B	17039		480-093700-01800-0	1.0	093M.063
B	17050		480-069500-00000-0	1.0	093M.063
R	17051		480-069500-00000-0	2.0	093M.063
B	18163		480-149000-00000-0	2.0	093M.064
B	18007		480-093700-00000-0	3.0	093M.064
B	18009		480-093700-00000-0	5.0	093M.064
B	18060		480-126500-00000-0	1.0	093M.064
R	18164		480-160900-00000-0	2.0	093M.064
B	18179		480-160900-00000-0	3.0	093M.064
B	18214		480-160900-43800-0	1.0	093M.064
R	18232		480-160900-43800-5	1.0	093M.064
R	18258	10240	000-000000-00000-0	1.0	093M.064
R	18294	10158	000-000000-00000-0	1.0	093M.064
R	18301		480-160900-43800-7	1.0	093M.064
R	18305		480-160900-43800-8	2.0	093M.064
B	18321		480-160900-00000-0	5.0	093M.064
B	18349		480-093700-01800-0	4.0	093M.064
B	18058		480-126500-00000-0	3.0	093M.064
R	18371		480-069500-52800-0	1.0	093M.064
B	18461	10154	000-000000-00000-0	1.0	093M.064
B	18490		480-149000-00000-0	4.0	093M.064
R	18259		480-195700-17200-0	3.0	093M.064
B	19075		480-195700-02400-0	7.0	093M.065
B	19079		480-195700-02400-0	3.0	093M.065
B	19059		480-195700-16200-3	2.0	093M.065
R	19066		480-195700-15200-0	1.0	093M.065
R	19102	10273	000-000000-00000-0	1.0	093M.065
B	15241		480-195700-29500-0	3.0	093M.074
B	15504		480-195700-36100-0	3.0	093M.074
B	15461		480-195700-36100-0	2.0	093M.074
B	15421		480-195700-31500-0	2.0	093M.074
B	15305		480-195700-29500-5	1.0	093M.074
B	15275		480-195700-29500-5	3.0	093M.074
R	15295		480-195700-29500-5	2.0	093M.074
B	15239		480-195700-29500-0	2.0	093M.074
B	15244		480-195700-29500-0	6.0	093M.074
B	15145		480-069500-00000-0	6.0	093M.074
B	15590		480-195700-36900-0	4.0	093M.074
R	15509		480-195700-36100-0	5.0	093M.074
B	15273		480-195700-29500-5	1.0	093M.074
B	15740		480-069500-00000-0	4.0	093M.074
B	15558		480-195700-34400-0	1.0	093M.074
R	15753		480-195700-00000-0	2.0	093M.074
B	15589		480-195700-36900-0	3.0	093M.074
B	15559		480-195700-34400-0	2.0	093M.074
B	15633		480-195700-40600-0	2.0	093M.074

SAMPLE_TYP	NID	ILP	WSHD_CODE	REACH_ID	NID_MAP
B	15663	10630	000-000000-00000-0	1.0	093M.074
B	15679	10640	000-000000-00000-0	1.0	093M.074
B	15701		480-195700-48200-2	1.0	093M.074
B	15702		480-195700-48200-2	2.0	093M.074
R	15540		480-195700-36100-0	10.0	093M.074
B	16005		480-195700-16200-0	4.0	093M.075
R	12570		480-195700-48200-8	1.0	093M.083
B	12615		480-195700-48200-5	4.0	093M.083
R	12579		480-195700-48200-3	8.0	093M.083
B	13251	10885	000-000000-00000-0	1.0	093M.084
B	13368		480-195700-62000-0	1.0	093M.084
R	13332		480-195700-60300-2	1.0	093M.084
R	13408		480-195700-63000-0	1.0	093M.084
R	13410		480-195700-63000-0	3.0	093M.084
B	13259	10888	000-000000-00000-0	2.0	093M.084
B	13275		480-195700-60300-0	5.0	093M.084
B	13273		480-195700-60300-0	3.0	093M.084
R	13249	10886	000-000000-00000-0	3.0	093M.084
B	13184		480-195700-49100-0	3.0	093M.084
B	13069		480-195700-48200-5	2.0	093M.084
R	13065		480-195700-48200-0	1.0	093M.084
B	13064		480-195700-48200-0	5.0	093M.084
R	13011		480-195700-48200-3	3.0	093M.084
R	13009		480-195700-48200-3	1.0	093M.084
R	13838	11013	000-000000-00000-0	8.0	093M.084
R	13475	10969	000-000000-00000-0	1.0	093M.084
R	13013		480-195700-48200-3	5.0	093M.084
B	13678		480-195700-69200-0	2.0	093M.084
R	13508	11108	000-000000-00000-0	4.0	093M.084
R	13877		480-195700-40600-0	5.0	093M.084
R	13712		480-195700-66100-0	3.0	093M.084
B	13710		480-195700-66100-0	1.0	093M.084
B	13757	11013	000-000000-00000-0	2.0	093M.084
R	13753	11013	000-000000-00000-0	1.0	093M.084
B	13686		480-195700-66900-0	1.0	093M.084
R	13915		480-195700-40600-0	4.0	093M.084
B	13677		480-195700-69200-0	1.0	093M.084
B	13632		480-195700-69300-2	3.0	093M.084
B	13630		480-195700-69300-2	1.0	093M.084
R	13577		480-195700-69300-0	4.0	093M.084
B	13576		480-195700-69300-0	3.0	093M.084
R	13575		480-195700-69300-0	2.0	093M.084
R	13574		480-195700-69300-0	1.0	093M.084
R	13703	11082	000-000000-00000-0	2.0	093M.084
B	14074	11301	000-000000-00000-0	5.0	093M.085
R	14100	11057	000-000000-00000-0	3.0	093M.085
R	14037		480-195700-69200-0	9.0	093M.085

SAMPLE TYP	NID	ILP	WSHD CODE	REACH ID	NID MAP
R	14052		480-195700-69200-8	1.0	093M.085
R	10531		480-195700-00000-0	12.0	093M.093
R	10529		480-195700-00000-0	10.0	093M.093
R	11206	11515	000-000000-00000-0	1.0	093M.094
R	11440		480-195700-80300-5	1.0	093M.094
B	11037		480-195700-82000-0	4.0	093M.094
R	11049		480-195700-75300-0	3.0	093M.094
B	11074		480-195700-80300-0	1.0	093M.094
R	11077		480-195700-80300-0	4.0	093M.094
R	11034		480-195700-82000-0	1.0	093M.094
R	11058		480-195700-00000-0	6.0	093M.094
R	11059		480-195700-00000-0	7.0	093M.094
R	11060		480-195700-00000-0	8.0	093M.094
R	11083		480-195700-80300-0	9.0	093M.094
B	11171	11499	000-000000-00000-0	1.0	093M.094
B	11180		480-195700-82900-0	2.0	093M.094
B	11184		480-195700-82900-0	6.0	093M.094
B	11244		480-195700-69300-1	1.0	093M.094
B	11255		480-195700-69300-1	1.0	093M.094
B	11256		480-195700-69300-1	2.0	093M.094
B	11259		480-195700-69300-1	5.0	093M.094
R	11304		480-195700-69300-1	1.0	093M.094
R	11284		480-195700-69300-1	1.0	093M.094
R	11368		480-195700-78000-1	1.0	093M.094
R	11422		480-195700-80300-4	2.0	093M.094
R	11358		480-195700-78000-0	1.0	093M.094

Appendix V

Bull Trout Report Format and Outline

Bull Trout (*Salvelinus Confluentus*)
Survey in the Shelagyote River Basin

WSC: 480-195700



Bull Trout (*Salvelinus Confluentus*) Survey in the Shelagyote River Basin

WSC: 480-195700

Prepared for:

Skeena Cellulose Inc.
Carnaby Operations
#10 North Boundary Rd.
South Hazelton, B.C.
VOJ 2R0

July 2001

Prepared by:



#300-4546 Park Avenue
Terrace, BC V8G 1V4

Tel: (250) 635 1494 Fax: (250) 635-1495

PROJECT REFERENCE INFORMATION

MELP Region
MELP District
FW Management Unit
Fisheries Planning Unit
DFO Sub District
Forest Region
Forest District

WATERSHED INFORMATION

Watershed Group
Watershed Name
Watershed Code
UTM at Mouth
Fish Species
Project Area
Biogeoclimatic Zones
Stream Order

SAMPLING SUMMARY

Sample sites
Survey Dates

PROJECT TEAM

Project Leaders
Field Crew
Data Entry
Report Prepared by
Maps Prepared by

ACKNOWLEDGEMENTS

Funding for this project was provided by...

We would like to thank...

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

1.0 INTRODUCTION

1.1 Project Objectives

1.2 Study Area and Access

1.3 Resource Information

2.0 METHODS

2.1 Fish Sampling

3.0 RESULTS

3.1 Fish captured, species, stage and size range

Table 1. Summary of bull trout captured in the Shelagyote River, August 15, 2001 – November 3, 2001

Date	Site	UTM			Species	#	Fork Length (cm)			Sex			Age			Maturity	
		Zone	Easting	Northing			Range	Mean	Med	M	F	?	Range	Mean	Med	Maturing	Kelt
8-15	101	9	59223	600231	BT	7	54-63	59	58.5	3	4		6-12	8.1	8.5	7	0
8-26	102	9	59324	600125	NFC												0
9-10	103	9	59663	600258	BT	3	67-74	70.3	70.5	2	1		7-12	10	9.5	3	0
9-15	104	9	59714	600147	BT	4	65-71	67.5	68	2	1	1	7-12	10	9.5	2	2
9-30	105	9	59878	612365	BT	4	35-65	52	50	2	2		4-11	7.8	7.5	1	3
10-14	106	9	59632	614525	NFC												
10-25	107	9	59333	612585	NFC												
11-3	108	9	59665	632285	BT	3	38-45	41.7	41.5	2	1		4-10	7	7	1	2

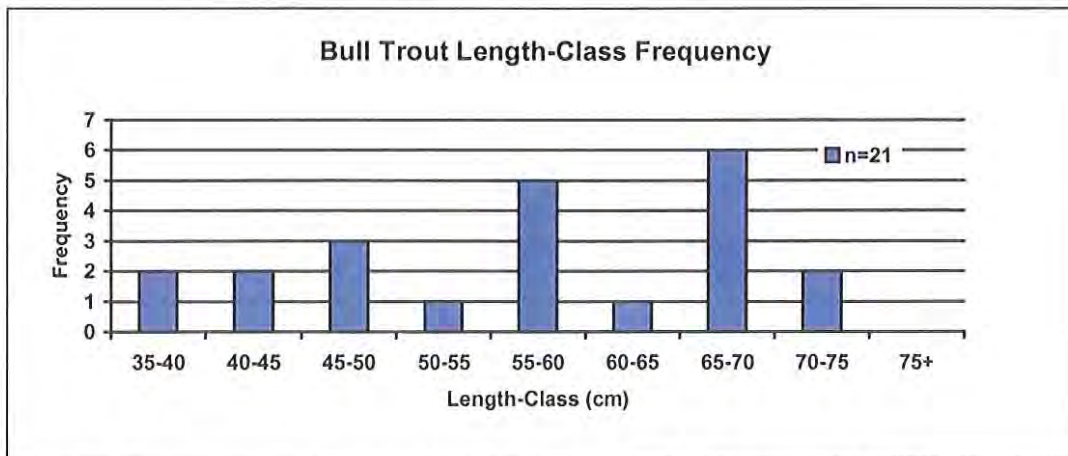


Figure 1. Length-frequency histogram for bull trout captured in the Shelagyote River, August 15, 2001 – November 3, 2001.

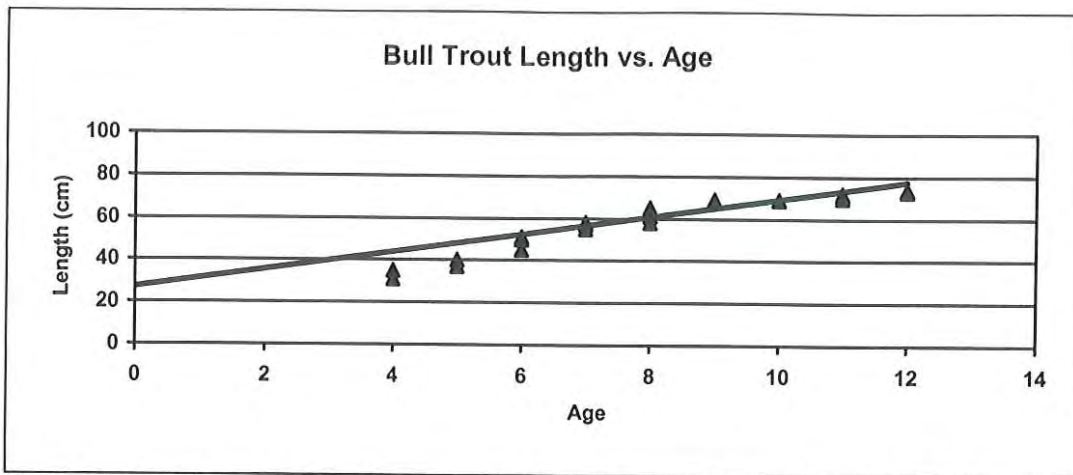


Figure 2. Length vs. Age for bull trout captured in the Shelagyote River, August 15, 2001 – November 3, 2001.



Figure 3. Bull trout male, maturing (59.5 cm fork length), note dark green head, faded red spots and orange colouring on lateral and ventral side.

4.0 DISCUSSION

4.1 Bull Trout Run-Timing & Movement

4.2 Bull Trout Population

4.3 Bull Trout Distribution

4.4 Bull Trout Critical Habitat

5.0 REFERENCES

APPENDIX V

Project/Interpretive Maps