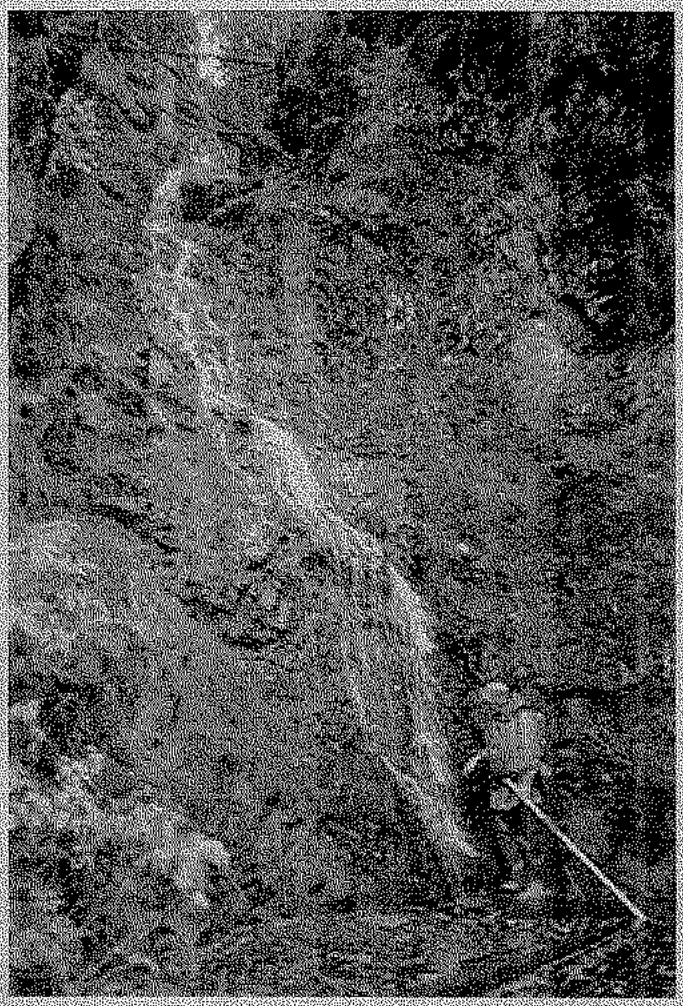
Reconnaissance (1:20,000) Fish and Fish Habitat Inventory in the Cheslatta River Watershed

• Ootsanee Creek
(WSC 180-545300-45700)



FINS

FISH INVENTORY SPECIALISTS

November 1998

Reconnaissance (1:20,000) Fish and Fish Habitat Inventory in the Cheslatta River Watershed

• Ootsanee Creek
(WSC 180-545300-45700)

Prepared for:
Babine Forest Products Co.
Box 4000
Burns Lake, BC
V0J 1E0

Prepared by:
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#215 - 4546 Park Avenue
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Project Reference Information

Watershed Group	Cheslatta River
Parent Waterbody	Cheslatta Lake
Parent Waterbody Code	180-545300
FDIS Project WSC	180-545300
FDIS Project Number	06-FRAN-0000-0004-1998
FRBC Project Number	IVBVS615
MELP Project Number	06-FRAN-3020-0002-1998
Forest District	Lakes Forest District
Forest Tenure Licensee	Babine Forest Products Company

November 1998

Project Reference Information

Watershed Name	Ootsanee Creek
Watershed Code (ILP)	180-545300-45700
UTM at Mouth	10.339550.5958960
NTS Maps	93 K/5, 93 K/4, 93 L/1
TRIM Maps	93K.021, 93L.030
FRBC Region	Smithers Region
MELP Region	06
DFO Sub-District	29-I
Wildlife Management Unit	6-4
BGC Zone	SBS
Watershed Area	115 km^2
Total of All Stream Lengths	121 km
Stream Order	4th order
Total Number of Reaches	174
Planned Discretionary Sites	57
Planned Discretionary Sites (%)	33%
Surveyed Sites	42
Surveyed Sites (%)	24%
Fish Species Present	RB, LKC, CAS
Field Sampling Dates	September 5 - October 18, 1997

Abbreviations Used in this Report

BGC	biogeoclimatic zone	m	meter
C	clear (not turbid)	mm	millimeter
C.	creek	M	moderate flow or moderate turbid
CAS	prickly sculpin (*Cottus asper*)	MELP	Ministry of Environment, Lands and Parks
CD	compact disc	M/L	mainline
CO	coho salmon (*Oncorhynchus kisutch*)	MT	minnow trap
Cond.	conductivity	NA	not applicable
CW	channel width	NFC	no fish captured
DFO	Department of Fisheries and Oceans	NFP	no fish present
Dist.	distance	NS	not sampled
Dpth	depth	NTS	National Topographic Survey
d/s	downstream	PCC	peamouth chub (*Mylocheilus caurinus*)
EF	electrofishing	Prop	proposed
ESSF	Engelman Spruce-Subalpine Fir BGC	R.	river
FDIS	Field Data Information System	RB	rainbow trout (*O. mykiss*)
FISS	Fisheries Information Summary System	Rd	road
FPC	Forest Practices Code	Rip	riparian
FRBC	Forest Renewal of British Columbia	sec	seconds
Grad	slope gradient	SBS	Sub-Boreal Spruce BGC
H	high flow	SK	sockeye salmon (*O. nerka*)
Hz	Hertz	S6 - S2	riparian classes
ILP	Interim Locational Point	T	turbid
Info.	information	TRIM	Terrain Resource Information Management
km	kilometer	Turb	turbidity
L	low flow or lightly turbid	u/s	upstream
L.	lake	UTM	Universal Transverse Mercator coordinates
LKC	lake chub (*Couesius plumbeus*)	V	volts
LSU	longnose sucker (*Catostomus catostomus*)	WSC	watershed code
LWD	Large Woody Debris	µs	microseconds

Contractor Information

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Disclaimer

This product has been accepted as being in accordance with approved standards within the limits of Ministry quality assurance procedures. Users are cautioned that interpreted information on this product developed for the purposes of the Forest Practices Code Act and Regulations, for example stream classifications, is subject to review by a statutory decision maker for the purposes of determining whether or not to approve an operational plan.

Acknowledgments

Funding for this project was provided by Forest Renewal B.C. We would also like to give special thanks to those people who made this project possible, tolerable and even fun. Paul Giroux, who helped throughout the project and maintained the "common sense" approach, Lynn Miers, whose quick responses to our frequent requests still amaze us, the staff at Cliff Manning Forestry Services who always had maps ready for us, in addition to a helpful hint about "how to get there", and most of all, Karen Grainger for, above all else, putting up with us throughout the field portion of the project.

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1. Introduction

This introduction is separated into two main sections. **Section 1.1** defines and discusses the overall project area covered under the scope of this contract. "Project Area" for the purposes of this report refers to the area encompassed by all watershed units. An explanation of how the entire project area was divided into 14 independent reports and a brief summary of the results will also be included in this section. **Section 1.2** introduces the specific watershed or watershed unit covered under the scope of this report. All references to the watershed will be made using the watershed (unit) name and not the term "project area".

1.1. Overview of the Project Area

The objective of this project was to conduct a Reconnaissance (1:20,000) Fish and Fish Habitat Inventory in several watersheds in the Burns Lake area. The project area is located within four high level watershed groups, shown in Table 1 below, which are the ultimate parent watersheds of all streams within the project area.

Table 1: Summary of Watershed Groups in Project Area

Watershed Group	Watershed Code (WSC)
Babine Lake (BABL)	480-000000
Francois Lake (FRAN)	180-374000-95200
Cheslatta River (CHES)	180-545300
Bulkley River (BULK)	460-000000

1.1.1 Reporting Structure

In all, 14 reports have been completed. Twelve of these reports cover watershed units that are 4th order (or higher) except for the Dog Creek watershed which is 3rd order. Numerous smaller drainages that are independent of the above watersheds were placed into two separate reports based on their high level watershed group.

Site numbers have been assigned in an upstream ascending order for each major watershed so that there are two sets of site numbers: those in the Fraser River drainage (Sites 1-207) and those in the Skeena River drainage (Sites 1-179).

Table 2 on the following page highlights the specific drainage and site numbers covered by each report in relation to each watershed group. It should be noted that phases 1 to 3 have been completed for the Allin Creek and Maxan Creek watersheds, but due to time constraints the remaining phases were deferred until the 1998 season.

Table 2: Summary of Reports Completed for 1997 Field Season

Major Watershed	Watershed Group	*Report Name* (WSC)	Sites	Comments
Skeena River	BABL	*"ILP 52001"* (480-857300)	19-37	Entire watershed
		"Deep Creek" (480-886700)	49-55	Entire Deep Creek watershed
		"Henrietta Creek" (480-927700-23400)	82-147	Report covers Henrietta C. watershed u/s from confluence with Hannay L. outlet
		"Four Mile Creek" (480-964000)	161-166	Entire Four Mile Creek watershed
		"Telzato Creek" (480-992900)	175-179	Entire Telzato Creek watershed
		"Small Drainages within the Babine Lake Watershed" (480-******)	1-18, 38- 48, 56-81, 148-160, 167-174	Report covers Finch C. watershed, 15 small tributaries to the north side of Babine L., 12 small tributaries to the south side of Babine L., and 6 small tributaries to the south side of Taltapin L.
Fraser River	CHES	*"Ootsanee Creek"* (180-545300-45700)	1-42	Entire Ootsanee Creek watershed
		"Dog Creek" (180-545300-76100)	43-52	Entire Dog Creek watershed
	FRAN	*"Uncha Creek"* (180-374000-95200-41400)	53-101	Report covers Uncha C. watershed u/s from Uncha L., 3 small tributaries to Uncha L. and one tributary to Takysie L.
		"Eagle Creek" (180-374000-95200-019-7890)	117-129	Entire Eagle Creek watershed
		"Decker Creek" (180-374000-95200-01900-8460)	135-148	Entire Decker Creek watershed
		"Gerow Creek" (180-374000-95200-01900-8700)	150-187	Entire Gerow Creek watershed
		"Forgie Creek" (180-374000-95200-01900-9100)	190-206	Entire Forgie Creek watershed
		"Small Drainages within the Francois Lake Watershed" (180-374000-95200-*****)	102-116, 131-134, 149, 188, 189, 207	Report covers 4 small tributaries to Francois L. and 8 small tributaries to Burns L., Decker L. and the Upper Endako R.

Table 3 below presents an overview of reach sampling statistics for each report within the project area. Sample sizes within the Deep Creek, Four Mile, Telzato and Eagle Creek watersheds were low due to obstructions to fish in their lower reaches which precluded fish presence, and therefore sampling, in their upper watersheds.

Table 3: Reach Sampling Summary by Report

Report Name	Total Reaches	# of sites	% of Total
Small Drainages within the Babine Lake Watershed	405	76	19
ILP 52001	71	19	27
Deep Creek	74	7	9
Henrietta Creek	261	66	25
Four Mile Creek	160	6	4
Telzato Creek	54	5	9
Ootsanee Creek	174	42	24
Dog Creek	52	10	19
Uncha Creek	231	49	21
Small Drainages within the Francois Watershed	160	23	14
Eagle Creek	133	13	10
Decker Creek	77	14	18
Gerow Creek	177	38	21
Forgie Creek	66	17	26
TOTAL	**2095**	**385**	**18**

1.1.2 FDIS Database Summary

Four project watershed codes were assigned by MELP for use in this project. They were for the Maxan (460-924300), Cheslatta (180-545300), Francois (180-374000-95200) and Babine Lake (480-000000) watersheds. One FDIS database was created with the above four Project WSC's.

The database contains information for the entire project area. In all, the database contains 2951 reaches, 519 reach cards and 385 site cards. There are 150 reach cards completed for the Maxan and Allin Creek watersheds, but since field sampling of these watersheds was deferred until the 1998 season, there are no associated site cards for these systems. All fish cards are within one database (253 cards).

Table 4 on the following page summarizes the information contained with the FDIS database.

Table 4: FDIS Database Contents

Entire Project Area	
Number of Reach Table Records	2951
Number of Reach Card Records	519
Number of Site Card Records	385
Number of Lake Table Records	171
Number of Lake Form Records (Pre-field)	10
Number of Photo Records	637
Surveyed Watersheds	
Number of Reaches within surveyed watersheds	2095
Number of Reach Cards within surveyed watersheds	369
Number of Reaches Surveyed	369
Postponed Watersheds	
Sample Reaches postponed to 1998 Field Season within Maxan and Allin Watersheds	150
Number of Reaches within Maxan C. watershed	571
Number of Reach Cards for Maxan C. watershed	86
Number of Reaches within Allin C. watershed	281
Number of Reach Cards for Allin C. watershed	64
Fish Collection Card Database	
Total Number of Fish Cards in "fcoll.mdb" database	253

1.1.3 Lake Approach

As required by Reconnaissance Fish and Fish Habitat Inventories, all lakes within the project area were included in phases 1 to 3. However, field sampling of lakes was not included under the scope of this project and was deferred to future inventories. In all, 171 lakes have been entered into the FDIS Lake Table. Of these, 99 have been classified as lakes (32 primary; 67 secondary) while 72 have been categorized into wetland reaches (36 type 1; 3 type 3; 9 type 4 and 24 type 5). Most lakes were excluded from future field sampling on the basis of very small size, planned stream sampling of inlets and outlets and/or location in the watershed above steep gradients/ obstructions. Initially, 10 lakes had been chosen for sampling but because lake field sampling would not take place in the 1997 field season, this number was further reduced to 2 by using results from the 1997 stream survey. The two lakes chosen for field sampling for the 1998 field season were ILP 83006 reach 4 and Maxan Creek reach 14. Further information on all lakes and wetlands within the project area is available in the Lake Table in the FDIS database, while justification for exclusion from field sampling is summarized in spreadsheet format in Appendix VI.

1.1.4 Methodology

1.1.4.1 Reach Sampling

Methodology used throughout this project were consistent with the standards and methods as defined in "Reconnaissance (1:20,000) Fish and Fish Habitat Inventory (May 1997)". Due to time constraints, not all reaches were sampled as identified in the Project Plan. Immediately prior to field sampling, individual areas were prioritized for sampling by Babine Forest Products Co. and reaches were systematically sampled according to their priority level. Sampling in both the Maxan Creek (Project WSC 460-924300) and Allin Creek watersheds (Project WSC 180-374000-95200) was rescheduled for the 1998 field season. Sampling in the Taltapin, Decker-Stearns and Palling sub-units was undertaken, although these areas had not been included in the project plan. Phases 1 to 3 had been completed for these areas prior to field sampling, consistent with the methods used for all watersheds.

1.1.4.2 ILP Referencing

ILP maps and tables have been sent to MELP in Victoria but watershed codes have not yet been received (Nov. 30, 1998). Although several streams within the project area had existing 37-digit watershed codes, the new 45-digit codes were not available. All streams in the project area were consequently assigned ILP's whether they were coded or not. As such, our databases, reports and maps use ILP's as stream references, although a cross reference table for all coded streams has been included in Section 1.2.

In addition, all 5-digit ILP numbers assigned are unique within the entire project area - there are no two alike. This was done to avoid confusion in ILP referencing throughout the project and having to reference the ILP map number each time the ILP is referenced. Every ILP created uses the last two digits of its ILP map, combined with its number on the map. That is, the first ILP on TRIM mapsheet 93K.052 would be ILP 52001. There was no overlap of mapsheet numbers among the different TRIM map series (i.e. 93F. vs. 93K vs. 93 L series). Relevant TRIM maps for each report are listed in the Project Reference Information of the reports.

1.1.4.3 FPC Field Data Interpretation (NFC vs. NFP vs. NS vs. NVC)

Specific terminology has been used throughout this report regarding fish sampling results (or lack thereof) in a specific reach and the associated interpretation of these results for the purposes of FPC stream classification. The terminology has inherent ramifications for the data interpretation process, specifically for the fish-bearing status of sampled reaches. This terminology is explained below and will aid in understanding classification of reaches as fish-bearing, non-fish-bearing or designated for follow-up sampling. All reaches and their fish-bearing status codes are presented in Table 6 in Section 2.1, while only non fish-bearing reaches and reaches designated for follow-up sampling are discussed in the fish-bearing status section of this report. Note that for the following sections,

- Confirmed fish-bearing reaches are summarized with all reaches in Table 6 only
- Non fish-bearing reaches are further discussed in Section 2.4.1 and are summarized in Table 7
- Reaches designated for follow-up sampling are further discussed in Section 2.4.2.and are summarized in Table 8

1.1.4.3.1 Fish Captured

- Fish sampling conducted, fish captured
- Fish presence confirmed
- Fish-bearing FPC Classification assigned for these reaches.
- Table 6 only

1.1.4.3.2 NFC (No Fish Captured)

Scenario 1

- Fish sampling conducted, no fish captured
- Fish presence confirmed in upstream reaches
- Fish presence inferred
- Fish-bearing FPC Classification assigned for this reach.
- Table 6 only

Scenario 2

- Fish sampling conducted, no fish captured
- Fish habitat present and easily accessible to fish from downstream fish-bearing reaches, fish presence not confirmed in upstream reaches
- Fish presence inferred
- Fish-bearing FPC Classification assigned for this reach.
- Table 6 and Table 8.

1.1.4.3.3 NFP (No Fish Present)

- Fish sampling conducted, no fish captured
- No accessible habitat (due to obstruction, lack of sufficient flow, habitat, etc.)
- Fish absence confirmed
- Non fish-bearing FPC Classification assigned for this reach.
- Table 6 and Table 7.

1.1.4.3.4 NS (Not Sampled)

Scenario 1

- Fish sampling not conducted
- Habitat available and easily accessible to fish but channel not accessible to sample (i.e. deep wetland reaches, canyons)
- Fish presence inferred
- Fish-bearing FPC Classification assigned for this reach
- Table 6 and Table 8

Scenario 2

- Fish sampling not conducted
- Channel dry but potential fish habitat available and accessible to fish from downstream fish-bearing reaches at higher flow conditions
- Fish presence inferred
- Fish-bearing FPC Classification assigned for this reach
- Table 6 and Table 8

Scenario 3

- Fish sampling not conducted
- No existing fish habitat at any flow conditions (i.e. very steep)
- Non fish-bearing FPC Classification assigned for this reach
- Table 6 and Table 7

1.1.4.3.5 NVC (No Visible Channel)

There were generally two types of situations in which site assessment in the field revealed no visible channel. They include reaches where no channel was present (or not a stream by FPC definition) or wetland-type reaches where there was no defined channel present, just wet, spongy ground where flow was generally percolating through the ground. These different types of NVC reaches were noted in the comments on the site cards and are included in Table 6. It is expected that NVC channels would receive a "Non Classified Drainage (NCD) FPC classification.

1.1.4.4 Report Photographs

In addition to photo documentation requirements, all photos taken for each report have been included in Appendix II as thumbnail photos. All photos are indexed and include all essential reference information (ILP, reach, site, view, time, roll, frame, CD and image #). Table 6 (Summary of Surveyed Reaches) in Section 2.1 references the corresponding thumbnail photos for each sampled reach.

1.1.4.5 Field Equipment

The following is a list of field equipment used throughout reach sampling.

- 2 Smith-Root model 12B P.O.W. Backpack Electrofishers
- 50 Gee-type minnow traps
- 2 Hanna pHep 3 waterproof pH meters
- 2 Hanna DIST WP 3 conductivity meters
- 2 Suunto clinometers, alcohol thermometers, Silva compasses
- 2 Pentax Zoom 90WR cameras
- assorted other equipment including tight chains, hip chains, stop nets, dip nets, fishing rods, magnifying lenses
- 2 4X4 trucks equipped with Level 1 First Aid kits and 4 personal First Aid kits, as per WCB requirements
- 50 HP jet boat

1.1.5 Logistics

The major problem encountered throughout the course of the sampling that was common to all drainages within the project area throughout the survey was the effect of extreme low water levels on sampling effectiveness. This was especially prominent in direct tributaries to Babine Lake where access for fish to these streams from the lake was further exacerbated by very low Babine Lake levels. Dry channels and very low water levels often precluded effective fish sampling. In these situations, fish presence and habitat information at each site was assessed based on the presence of fish habitat and its accessibility from downstream fish-bearing reaches at high flow conditions. Sampling results in the Henrietta watershed were often inconclusive due to cold water temperatures and the lateness of season. Fish and fish habitat assessments were again assessed in the above-mentioned manner.

1.2. Overview of the Ootsanee Creek Watershed

1.2.1 Location/Access

The Ootsanee Creek watershed is located south of Burns Lake and flows into the north shore of Cheslatta Lake. Access to Ootsanee Lake is as follows:

- From Burns Lake, drive south on Francois Lake Highway to the Ferry at Francois Lake (19km)
- Cross the lake on the ferry, then turn left onto Campbell road immediately after disembarking from the ferry
- Turn right onto Binta road at 13.7km
- Drive to the 7km board on Binta road then turn right onto the Ootsanee road
- Stay on Ootsanee road - Ootsanee Lake can be seen from the road at approximately the 24km board

Access to reaches within the watershed from here was by vehicle via the Ootsanee and Llgityuz roads, spur roads and/or by foot.

The three maps on the following page identify the Ootsanee Creek watershed in relation to the local area stream network, the location of the watershed within its high level watershed group and the location of the entire project area within the province of British Columbia.

1.2.2 Existing Watershed Codes

At the time of ILP generation, no new watershed codes were available for this system. As such, all streams were assigned ILP's for all phases of this project. References to all streams are therefore made using ILP's in the databases, photodocumentation, maps, and in this report. However, Table 5 below provides a cross-reference for all streams that had watershed codes (coded ILP's) at the time this report was produced. Note that this table includes all ILP's with watershed codes within the entire watershed and not only sampled ILP's. All streams with gazetted names or aliases will be referred to by those names in this report while all unnamed streams will be referred to by their ILP number, for ease of presentation.

Table 5: ILP/Watershed Code Cross Reference Table

ILP #	Gazetted Name (Alias)	Watershed Code
73001	(Ootsanee Creek)	180-545300-45700
83006	None	180-545300-45700-49600
83010	None	180-545300-45700-54500
83016	None	180-545300-45700-54500-6570

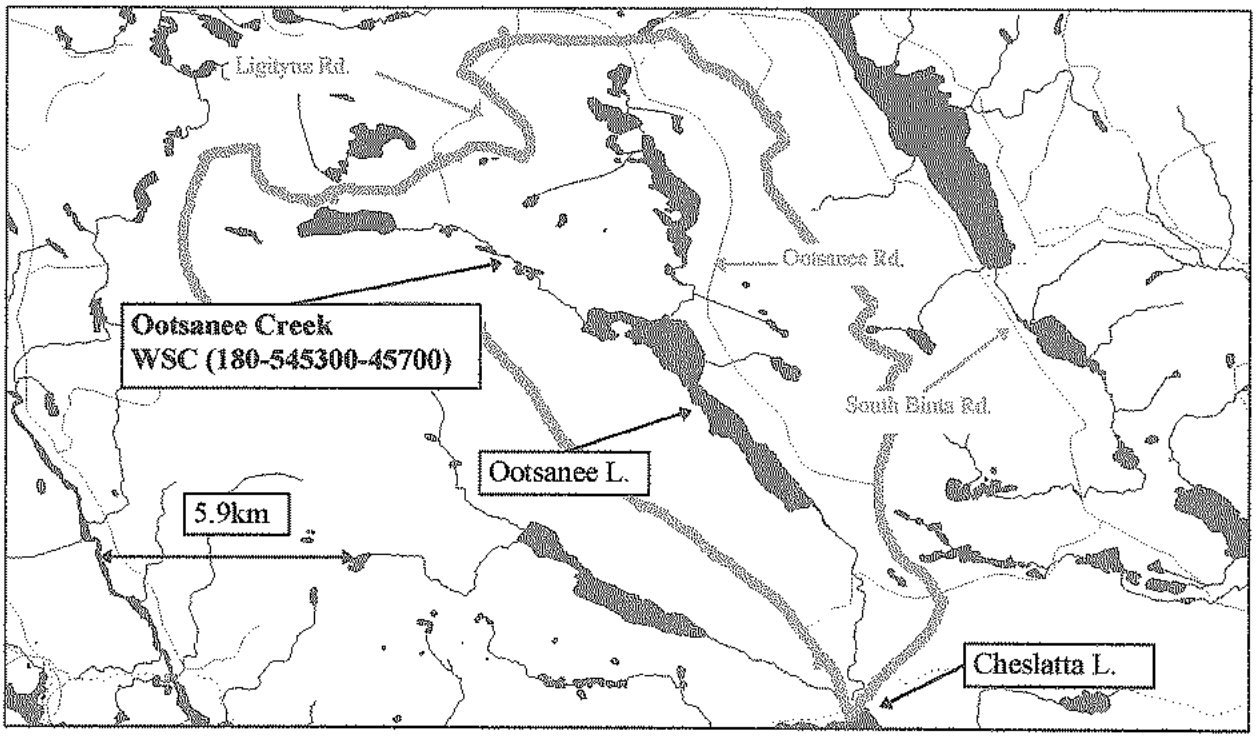

Figure 1: Ootsanee Creek Watershed

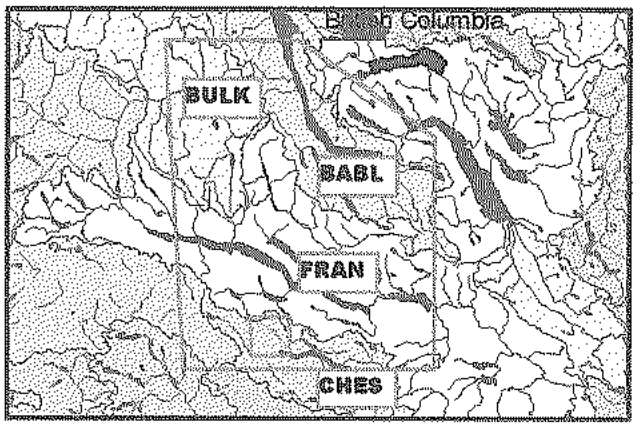

Figure 2: Location of Ootsanee Creek Watershed within CHES watershed group

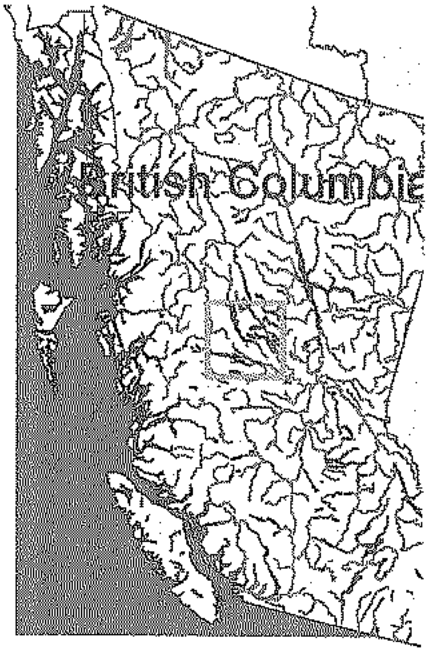

Figure 3: Location of Project Area within B.C.

2. Results and Discussion

2.1 Sampling Summary

Based on map and aerial photo interpretation, 174 reaches were identified within the Ootsanee Creek watershed. Although 57 of these reaches (33%) were chosen for sampling during the planning phase of this project, a total of 42 sites were sampled (24%). The number of reaches sampled was lower than planned due to the presence of a falls obstruction in reach 18 of Ootsanee Creek which rendered the rest of the watershed non fish-bearing.

Table 6 on the following page summarizes all surveyed reaches, providing identification and location of each reach within the watershed, in addition to general channel characteristics and fish sampling results at each site. It should be noted that:

1. The **Dist. From Mouth** column refers to the location of the lower boundary of the surveyed reach and not the location of the sample site. Sample site locations are indicated on the attached maps.

2. The **Fish Info**. column indicates fish sampling results with four possible scenarios:

    - fish captured: species listed
    - no fish captured, fish presence inferred: NFC- inferred species listed
    - no fish captured, no fish present: NFP
    - fish sampling not conducted: NS

3. The **Channel** column indicates:

    - Grad.: average stream gradient at the site (in %)
    - CW: average stream channel width at the site (in m)
    - Dpth.: average residual pool depth at the site (in m)

The **Prop. Rip. Class** column indicates the expected FPC classification of this reach, based on fish sampling results, channel characteristics and interpretation of the field data. The red classifications indicate confirmed fish presence while the blue indicates fish absence (either NFP code or NS with no available fish habitat). The highlighted codes in parentheses indicate that fish presence has been inferred (either NFC code or NS with available fish habitat). These reaches have been designated for follow-up sampling. Further information on the fish-bearing status of surveyed reaches is presented in Section 2.4.

Table 6: Summary of all Surveyed Reaches in the Ootsanee Creek Watershed

Site #	Stream Name	ILP #	Reach	Dist. From Mouth (km)	Corresponding Thumbnail Photo in Appendix II	Parent Waterbody and Stream Location	Fish Info.	Channel			
								Grad (%)	CW (m)	Dpth (m)	Prop Rip. Class
1	Ootsanee C.	73001	1	0	1-2	Cheslatta Lake	RB, CAS	2.3	7.7	0.5	S2
2	Ootsanee C.	73001	4	1.87	3-4	Cheslatta Lake	RB	2.8	6.7	0.6	S2
3	Ootsanee C.	73001	5	3.97	5-6	Cheslatta Lake	RB, LKC	1.6	7.2	0.8	S2
4	Ootsanee C.	73001	13	16.88	7-8	Ootsanee Lake	NFC-RB	0.5	2.0	1.0	S3
5	Ootsanee C.	73001	15	17.49	9-10	Ootsanee Lake	RB	0.8	0.7	0.3	S3
6	Ootsanee C.	73001	17	18.24	11-12	Ootsanee Lake	RB	1.4	2.0	0.2	S3
7	Ootsanee C.	73001	18	18.94	13-15	Ootsanee Lake	RB	5.0	2.2	0.3	S3
8	Ootsanee C.	73001	18	18.94	16-17	Ootsanee Lake	NFP	5.2	2.0	0.2	S6
9	Ootsanee C.	73001	19	19.59	18-19	Ootsanee Lake	NFP	1.3	2.0	0.1	S6
10	Unnamed	73002	1	0	20-21	Ootsanee C. Reach 2: left bank tributary at 0.97km	NFC-RB	13.8	1.2	0.1	(S4)
11	Unnamed	73004	1	0	None	NO VISIBLE CHANNEL - was mapped as right bank tributary to Ootsanee Creek reach 3 at 1.49km.					
12	Unnamed	73005	1	0	None	NO VISIBLE CHANNEL - was mapped as right bank tributary to Ootsanee Creek reach 4 at 2.29km.					
13	Unnamed	73006	3	0.43	22-23	Ootsanee C. Reach 4: right bank tributary at 2.85km	NS	13.7	0.3	0.0	S6
14	Unnamed	73007	1	0	24	Ootsanee C. Reach 5: right bank tributary at 4.52km	NFC-RB	0.5	1.0	1.5	(S4)
15	Unnamed	73008	1	0	25-26	ILP 73007 Reach 1: right bank tributary at 0.34km	NFC-RB	2.1	0.8	0.1	(S4)
16	Unnamed	73011	2	0.14	27-28	Ootsanee C. Reach 5: left bank tributary at 4.72km	NS	0.7	0.3	0.1	S6
17	Unnamed	73015	2	0.22	29	Ootsanee Lake: northeast shore tributary at 1.23km from outlet	NS	6.2	0.8	0.0	S6
18	Unnamed	83006	2	0.23	30-31	Ootsanee Lake: northeast shore tributary at 4.48km from outlet	RB	5.4	1.8	0.2	S3
19	Unnamed	83006	3	1.33	32-34	As above	NFC-RB	1.6	0.9	0.1	(S4)
20	Unnamed	83006	5	2.44	None	NO VISIBLE CHANNEL - no defined channel present.					
21	Unnamed	83009	1	0	None	NO VISIBLE CHANNEL - was mapped as north shore tributary to Ootsanee L. at 5.32km from outlet					
22	Unnamed	83010	2	0.36	35-36	Ootsanee Lake: north shore tributary at 5.51km from outlet	LKC	1.0	2.2	0.2	S3
23	Unnamed	83010	3	1.26	37	As above	NFC-RB	0.5	2.8	0.9	S3
24	Unnamed	83010	8	5.56	38-39	Flows directly into Getzuni Lake.	NFC-RB	0.9	4.5	0.1	S3
25	Unnamed	83010	10	6.21	None	NO VISIBLE CHANNEL - wetland reach with no defined channel present					
26	Unnamed	83010	12	7.29	None	Flows directly into Edlund Lake.	NS	3.6	0.6	0.0	S6
27	Unnamed	83011	2	0.3	None	NO VISIBLE CHANNEL - was mapped as left bank tributary to ILP 83010 reach 2 at 1.07km.					
28	Unnamed	83012	2	0.24	None	NO VISIBLE CHANNEL - was mapped as east shore tributary to Getzuni L. at 0.12km from outlet					

Site #	Stream Name	ILP #	Reach	Dist. From Mouth (km)	Corresponding Thumbnail Photo in Appendix II	Parent Waterbody and Stream Location	Fish Info.	Channel			
								Grad (%)	CW (m)	Dpth (m)	Prop Rip. Class
29	Unnamed	83016	1	0	40-41	Getzani Lake: southwest shore tributary at 2.3km from outlet	LKC, RB	0.6	1.8	0.3	S3
30	Unnamed	83016	2	0.1	42-43	As above	RB	2.0	1.0	0.3	S4
31	Unnamed	83017	1	0	44	NO VISIBLE CHANNEL - wetland reach with no defined channel present; was mapped as left bank tributary to ILP 83016 reach 2 at 0.12km.					
32	Unnamed	83019	1	0	45-46	Hewson Lake: east shore tributary at 0.16 km from outlet	NFC-RB	2.9	1.1	0.3	(S4)
33	Unnamed	83019	3	1.14	47-48	As above	NFC-RB	4.3	0.6	0.3	(S4)
34	Unnamed	83023	2	0.53	49-50	Hewson Lake: west shore tributary at 1.3 km from outlet	NFC-RB	6.1	1.0	0.3	(S4)
35	Unnamed	83026	1	0	None	NO VISIBLE CHANNEL - was mapped as north shore tributary to Edlund L. at 0.59km from outlet.					
36	Unnamed	82015	1	0	None	NO VISIBLE CHANNEL - was mapped as left bank tributary to Ootsanee Creek reach 13 at 17.24km.					
37	Unnamed	82016	1	0	None	NO VISIBLE CHANNEL - was mapped as right bank tributary to Ootsanee Creek reach 14 at 17.43km.					
38	Unnamed	82017	1	0	None	Ootsanee C. Reach 15: left bank tributary at 17.59km	NS	3.7	0.2	0.0	S6
39	Unnamed	82018	1	0	51-52	Ootsanee C. Reach 17: left bank tributary at 18.56km	RB	2.1	1.6	0.3	S3
40	Unnamed	82018	3	1.18	53-54	As above	NFC-RB	0.5	2.0	0.8	(S3)
41	Unnamed	82019	1	0	55	ILP 82018 Reach 2: right bank tributary at 0.88km	NS	11.3	0.3	0.0	S6
42	Unnamed	82020	1	0	56-57	Llgityuz Lake: south shore tributary at 0.16 km from outlet	NFP	4.2	0.7	0.1	S6

2.2 Fish Species

The Ootsanee Creek watershed supports populations of rainbow trout, prickly sculpin and lake chub. No other species were encountered in the system during this inventory, although Dolly Varden char and/or bull trout were expected in the system. All captured fish appeared healthy and did not exhibit any external signs of disease.

Figure 4 below provides general information on frequency of occurrence of fish within different length classes for the Ootsanee Creek watershed for all fish captured during this inventory. Due to the limited scope of this project, this information should only be used to suggest the length distribution of the population within this system.

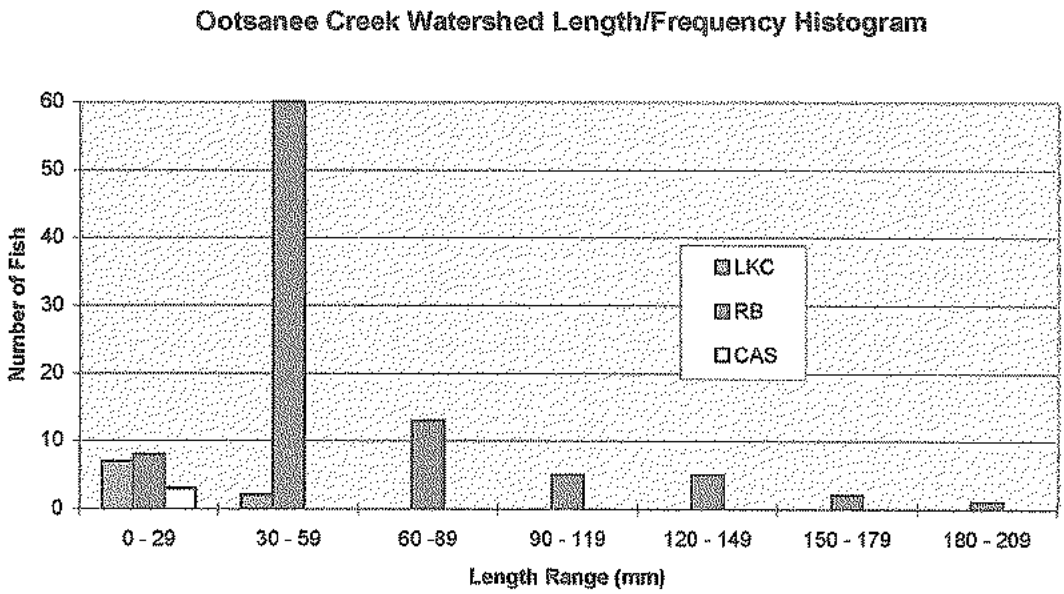

Figure 4: Length/Frequency Histogram of Fish in the Ootsanee Creek Watershed

2.3 Fish Distribution

2.3.1 Obstructions

Presence of a 12m vertical rock falls in reach 18 of Ootsanee Creek blocks fish passage into upstream reaches and is the upstream limit of fish distribution in the watershed. These falls are located 360 m downstream from Llgityuz Lake. Although beaver dams and wetlands are abundant in Ootsanee Creek, they are apparently not obstructing fish passage or limiting fish abundance in upstream reaches, as evidenced by rainbow trout presence in reaches 17 and 18. No definitive physical distribution limits for rainbow trout were identified in any of the fish-bearing tributaries in this survey.

2.3.2 Fish Use

Prickly sculpin were found only in reach 1 of Ootsanee Creek while lake chub were present in reach 5 of Ootsanee Creek, reach 2 of ILP 83010 and in reach 1 of ILP 83016. Lake chub generally occupied reaches within grassy cover in wetlands adjacent to or in close proximity of the lakes.

Rainbow trout were found throughout the mainstem of Ootsanee Creek and were present in all but reach 13 of the surveyed reaches, to the falls in reach 18. Fish use in tributaries was generally limited to their lower reaches. Rainbow trout were captured in very few tributaries within the entire watershed (ILP 83006, ILP 83010, ILP 83016, and ILP 82018). These systems generally had perennial flow and a channel width greater than 1.0m. Rainbow trout use of other tributaries is likely limited by an overall lack of significant habitat as a result of their smaller size and seasonal nature.

Distribution of rainbow trout in the watershed is limited by a falls obstruction in reach 18 of Ootsanee Creek. Fish absence in the upper watershed was also suggested in a lake survey of Llgityuz Lake in 1996 (Luiker and Hickey, 1996). The upper limit of rainbow trout distribution in ILP 83010 likely occurs in reach 10 where the channel disappears and the water is dispersed in a large wetland between Hewson and Edlund lakes.

Figure 5 on the following page summarizes the relative fish abundance for all confirmed and inferred fish-bearing reaches within the Ootsanee Creek watershed. Inferred fish-bearing reaches have been included in this figure to provide an indication of levels of effort expended sampling for fish in each reach.

2.3.3 Fish Habitat

Good rearing habitat for rainbow trout is available throughout the non wetland reaches below Ootsanee Lake (Reaches 1 to 5), and below Llgityuz Lake in reaches 17 and 18. Rainbow trout were the most abundant and dominant species of all captured fish in these reaches. The numerous wetland reaches in the system provide excellent rearing habitat for lake chub. The best rearing habitat for rainbow trout in tributaries is available in ILP 83006, ILP 83016, ILP 83019, and ILP 82018. Fish habitat in other inferred fish-bearing reaches in this watershed is marginal.

Of the surveyed reaches, spawning habitat was best in reach 18 of Ootsanee Creek and in the lower reaches of ILP 83006, ILP 83019 and ILP 82018. Large substrate size limited the available spawning habitat in the lower reaches of Ootsanee Creek below Ootsanee Lake. Spawning habitat within most other surveyed tributaries where rainbow presence was inferred was marginal.

Most overwintering by rainbow trout likely occurs within the mainstem of Ootsanee Creek as well as in the numerous lakes in the watershed.

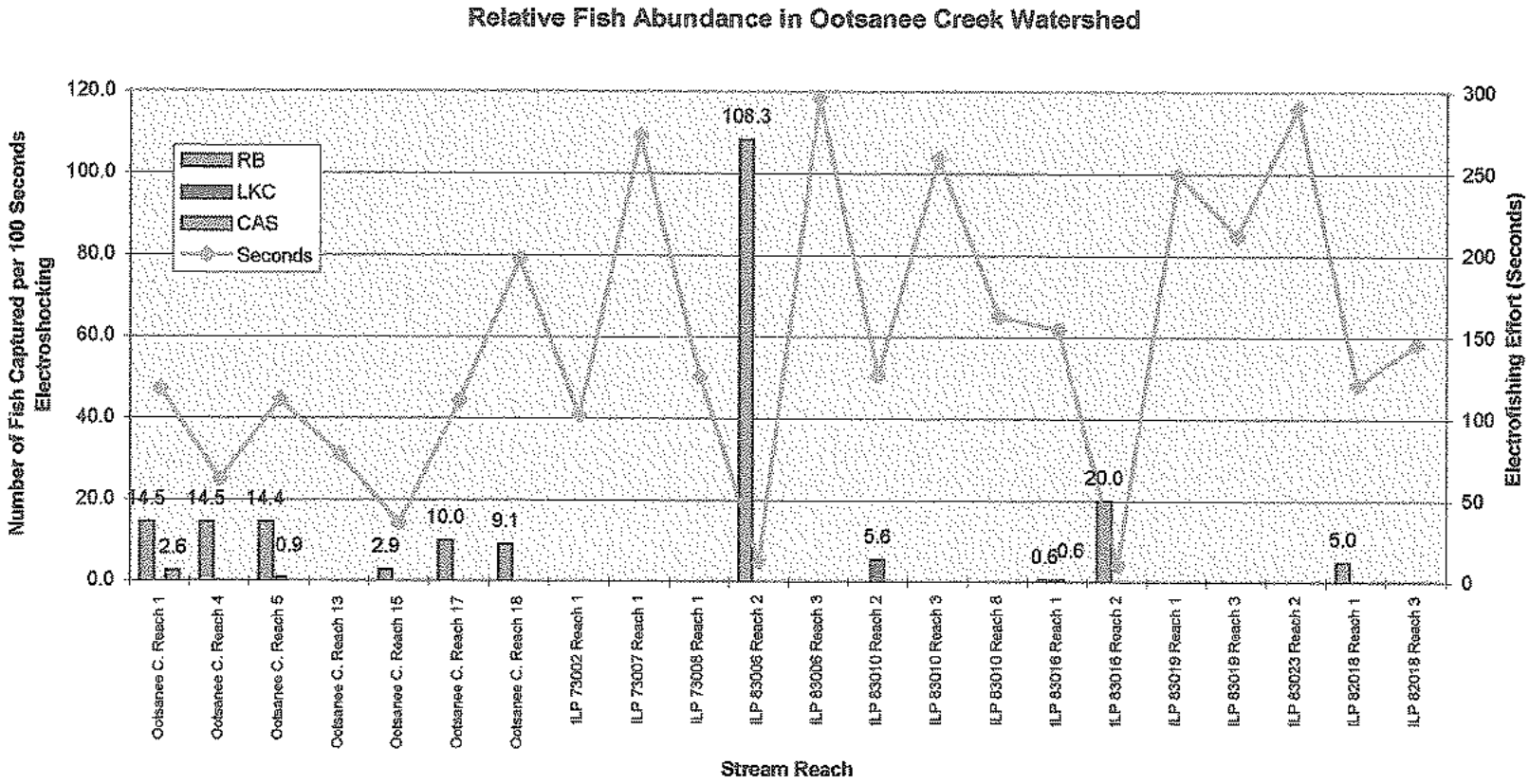

Figure 5: Relative Fish Abundance in Fish-Bearing Reaches in the Ootsanee Creek Watershed

2.4 Fish Bearing Status

The following sections present information on the fish-bearing status of sampled reaches. The first section provides justification for non fish-bearing reaches within the Ootsanee Creek watershed. The second section identifies and prioritizes reaches where follow-up sampling should be conducted (in inferred fish-bearing reaches). Confirmed fish-bearing reaches have not been included in this section but are included in Table 6. Please refer to the definitions provided in section 1.1.4.3 regarding methodology for interpretation of data.

2.4.1 Non-Fish Bearing Reaches

Table 7 on the following page summarizes all reaches that have been assigned a non fish-bearing FPC classification. Justification for the non fish-bearing classification is provided in the comments section of the table.

Table 7: Summary of Data from Surveyed Non-Fish Bearing Reaches in the Ootsanee Creek Watershed

Stream Name	ILP	Site	Reach	Grad (%)	Temp (°C)	Cond (uS)	Flow	Turb	Sampling Methods					Comments
									Electrofishing			Other		
									area (m^2)	effort (sec)	Settings V/Hz/µs	Type	Effort	
Ootsanee Creek Watershed - Sites 1-42														
Ootsanee C.	73001	8	18	5	4.3	80	L	C	132 132	321 274	700/60/4 800/60/2			No fish present due to 12m vertical falls obstruction immediately d/s. No resident populations above falls.
Ootsanee C.	73001	9	19	1	6.8	84	L	C	170	210	700/60/4			No fish present above falls in reach 18
Unnamed	73006	13	3	14	NA	NA	L	NA	NA	NA	NA			Seasonal, tiny creek at moderate gradient with no fish habitat
Unnamed	73011	16	2	7	8.1	113	L	C	NA	NA	NA			Shallow trickle over organics. No fisheries potential.
Unnamed	73015	17	2	6	7.4	135	L	C	NA	NA	NA			Intermittent and seasonal trickle with no instream cover. No fish habitat.
Unnamed	83010	26	12	4	NA	NA	L	NA	NA	NA	NA			Tiny, seasonal over fines. No fisheries potential
Unnamed	82017	38	1	4	5.8	115	L	C	NA	NA	NA			Tiny, seasonal over fines. No fisheries potential
Unnamed	82019	41	1	11	6.2	180	M	C	NA	NA	NA			Tiny, seasonal and intermittent at moderate gradient. No fisheries potential.
Unnamed	82020	42	1	4	4.7	110	H	C	80	174	700/60/4			No fish present due to falls obstruction in reach 18 of Ootsanee C.

2.4.2 Follow-up Sampling Required (Inferred Fish-bearing Reaches)

Table 8 summarizes the need for follow-up sampling in reaches where fish presence has been inferred. The table doesn't include inferred fish-bearing reaches where fish presence was confirmed in upstream reaches. A level of confidence has also been included in the table to facilitate prioritization of the follow-up sampling process. Each reach has been assigned a priority number of either 1 or 2 where,

- **Priority 1**: unlikely fish use (marginal fish habitat)
- **Priority 2**: likely fish use (fish habitat available, easily accessible)

It is anticipated that follow-up sampling in Priority 1 reaches will result in a confirmation of fish absence in a reach, while sampling in Priority 2 reaches have a high probability of confirming fish presence. However, some discretion should be used in the follow-up sampling process. In some reaches, sampling conditions were not conducive to the capture of fish and more successful attempts at sampling may be made in bordering reaches that weren't sampled but may offer better habitat and thus a better probability of confirming fish presence in the system.

Table 8: Follow-up sampling required for classification of inferred fish-bearing reaches in the Ootsance Creek Watershed

Stream Name	ILP	Reach	Site	Timing	Methods	Priority	Comments
Unnamed	73002	1	10	July	EF	1	resample for RB presence - suspect too steep, small
Unnamed	73007	1	14	July	MT	1	resample for RB presence - beaver ponds, wetland, stagnant water. Recommend sampling in reach 2
Unnamed	73008	1	15	July	EF	1	resample for RB
Unnamed	83006	3	19	July	EF	2	resample for RB-easily accessible, good rearing
Unnamed	83019	1	32	July	EF	2	resample for RB. Excellent habitat
Unnamed	83019	3	33	July	EF	1	resample for RB
Unnamed	83023	2	34	July	EF	2	resample for RB
Unnamed	82018	3	40	July	MT	2	resample for RB

Project Area Bibliography

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Degisi, J.S. and Burrows, J.A. 1995. Reconnaissance Survey of Anders Lake Watershed Code 180-3740-952-665-230-01. Smithers, B.C. Prepared for MELP Fisheries Branch, Skeena Region, Smithers, B.C. iii + 18pp + Appendices A to E.

Fish presence and distribution information within the project area was also obtained from FISS maps within the Smithers MELP regional library. These maps included: 93K/3, 93K/4, 93K/5, 93K/6, 93K/12, 93F/11, 93F/12, 93F/13, 93F/14, 93L/1 and 93L/8.

List of Appendices

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Appendix I: Attachments Available at MELP Office

Appendix II: Thumbnail Photographs

Index of Thumbnail Photos for Ootsanee Creek Watershed

Photo 1	Ootsanee C. (ILP 73001) Reach 1 Site 1 u/s view 11:45 (Roll 7 Frame 15 CD 2 Image 54)
Photo 2	Ootsanee C. (ILP 73001) Reach 1 Site 1 d/s view 11:46 (Roll 7 Frame 16 CD 2 Image 55)
Photo 3	Ootsanee C. (ILP 73001) Reach 4 Site 2 d/s view 13:39 (vest for scale) (Roll 7 Frame 21 CD 2 Image 58)
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Photo 13	Ootsanee C. (ILP 73001) Reach 18 Site 7 u/s view 1048 (Roll 26 Frame 5 CD 6 Image 22)
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Photo 19	Ootsanee C. (ILP 73001) Reach 19 Site 9 u/s view 1152 (Roll 26 Frame 10 CD 6 Image 27)
Photo 20	ILP 73002 Reach 1 Site 10 d/s view 954 (Roll 7 Frame 14 CD 2 Image 53)
Photo 21	ILP 73002 Reach 1 Site 10 u/s view 953 (Roll 7 Frame 13 CD 2 Image 52)
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Photo 23	ILP 73006 Reach 3 Site 13 d/s view 1438 (Roll 7 Frame 23 CD 2 Image 60)
Photo 24	ILP 73007 Reach 1 Site 14 u/s view 1554-general photo for reach (Roll 8 Frame 3 CD 2 Image 63)
Photo 25	ILP 73008 Reach 1 Site 15 u/s view 1527 (Roll 8 Frame 1 CD 2 Image 61)
Photo 26	ILP 73008 Reach 1 Site 15 d/s view 1527 (camera case as scale) (Roll 8 Frame 2 CD 2 Image 62)
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Photo 31	ILP 83006 Reach 2 Site 18 d/s view 942 (Roll 9 Frame 6 CD 2 Image 97)
Photo 32	ILP 83006 Reach 3 Site 19 u/s view 937. photo of BD in "features" (Roll 9 Frame 11 CD 2 Image 83)
Photo 33	ILP 83006 Reach 3 Site 19 d/s view 948 (Roll 9 Frame 13 CD 2 Image 85)
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Photo 35	ILP 83010 Reach 2 Site 22 d/s view 1037 (Roll 9 Frame 9 CD 2 Image 100)
Photo 36	ILP 83010 Reach 2 Site 22 u/s view 1036 (Roll 9 Frame 8 CD 2 Image 99)
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Photo 38	ILP 83010 Reach 8 Site 24 u/s view 1358 (Roll 9 Frame 18 CD 2 Image 90)
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Photo 40	ILP 83016 Reach 1 Site 29 u/s view 1442 (Roll 9 Frame 20 CD 2 Image 92)
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Photo 49	ILP 83023 Reach 2 Site 34 d/s view 953 (Roll 10 Frame 2 CD 3 Image 2)
Photo 50	ILP 83023 Reach 2 Site 34 u/s view 954 (Roll 10 Frame 3 CD 3 Image 3)
Photo 51	ILP 82018 Reach 1 Site 39 d/s view 917 (Roll 26 Frame 2 CD 6 Image 19)
Photo 52	ILP 82018 Reach 1 Site 39 u/s view 916-channel actually smaller than shown, but only photo opp here, otherwise too brushy (Roll 26 Frame 1 CD 6 Image 18)
Photo 53	ILP 82018 Reach 3 Site 40 d/s view 1657 (Roll 26 Frame 19 CD 6 Image 36)
Photo 54	ILP 82018 Reach 3 Site 40 u/s view 1658 (Roll 26 Frame 20 CD 6 Image 37)
Photo 55	ILP 82019 Reach 1 Site 41 u/s view 1642 - only visible channel section (Roll 26 Frame 18 CD 6 Image 35)
Photo 56	ILP 82020 Reach 1 Site 42 u/s view 1213 (Roll 26 Frame 13 CD 6 Image 30)
Photo 57	ILP 82020 Reach 1 Site 42 d/s view 1213 (Ligityuz L. background) (Roll 26 Frame 12 CD 6 Image 29)

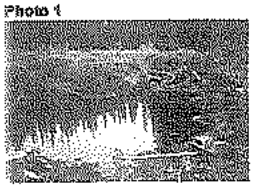

Photo 1


Photo 2


Photo 3


Photo 4


Photo 5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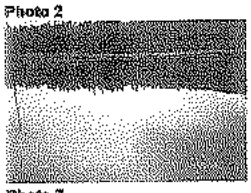
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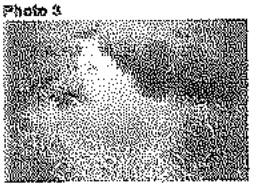
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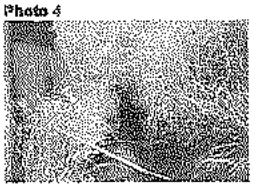
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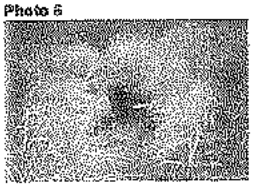
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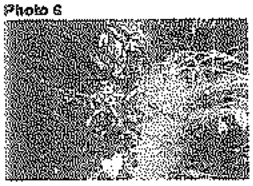
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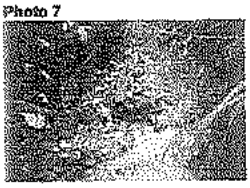


Photo 12

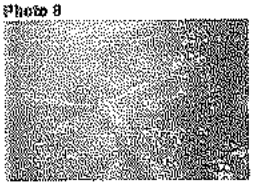


Photo 13

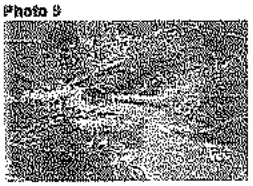
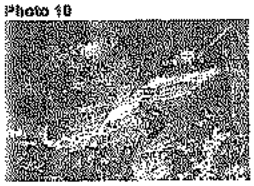


Photo 14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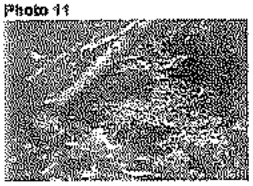
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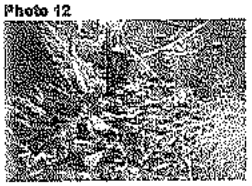
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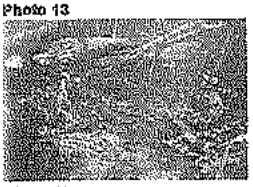
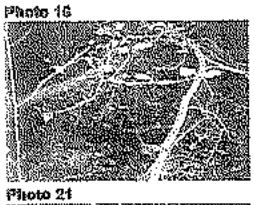


Photo 18


Photo 19


Photo 20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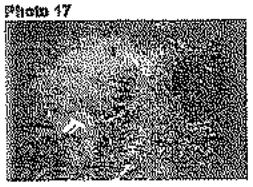
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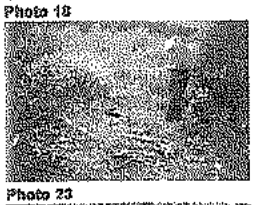
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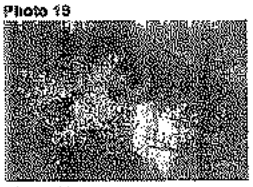
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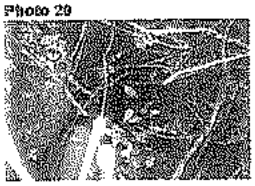
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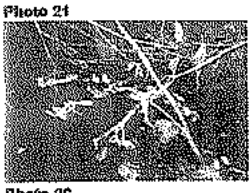
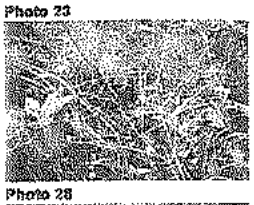


Photo 26


Photo 27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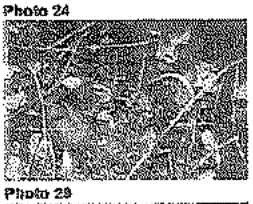


Photo 29


Photo 30

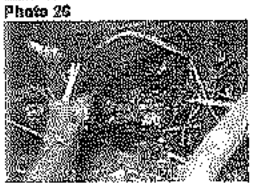
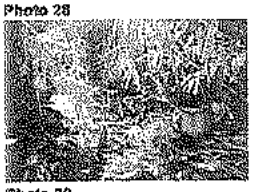


Photo 31


Photo 32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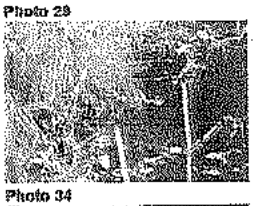


Photo 34


Photo 35

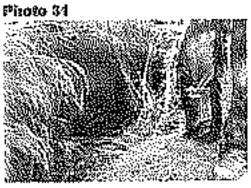


Photo 36


Photo 37

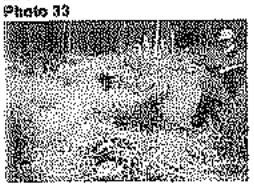


Photo 38


Photo 39


Photo 40

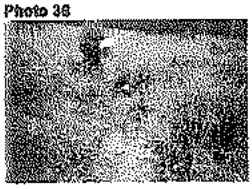


Photo 41


Photo 42


Photo 43


Photo 44


Photo 45

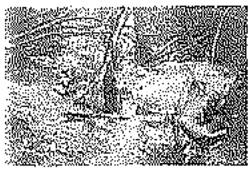


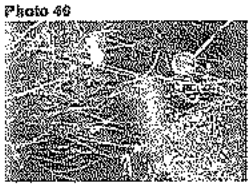
Photo 46


Photo 47


Photo 48


Photo 49


Photo 50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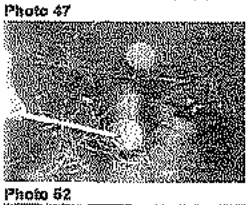
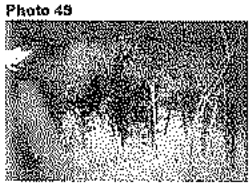


Photo 52


Photo 53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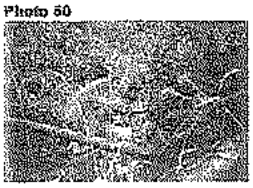
Photo 55


Photo 56

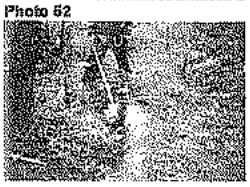
Photo 57

Appendix III: FDIS Reach/Site Summaries

FDIS Reach/Site Summary

Reach # 1 — Site # 1

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

WATERSHED

Gazetted Name: | Local Name: Ootsanee C.

ILP: 73001 | Map: 93F.073 | Reach #: 1 | Sample Type: B

REACH ATTRIBUTES

Length (km): 0.46 | US Elev.: 795 | Bars: ☐ N ☐ DI ☑ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☐ NV ☐ TR

DS Elev.: 778 | Magnitude: 62 | Setting: VW | Riparian Veg.: D

Order: 4 | BGC Zone: SBS | Exposed/Eroded: NV | Landuse: OT

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
1		400	FT	☑	1997/09/25

CHANNEL

Mean Channel Width (m): 7.7 | Mean Wetted Width (m): 2.9 | Mean Residual Pool Depth (m): 0.5

Mean Gradient: 2.3 | Mean Wb Depth: 1.8 | No Vis.Ch. ☐ | Intermittent ☐

Stage: ☑ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp.: 7.9 | pH: 7.8 | Cond.: 171 | Turb.: ☐ T ☐ M ☐ L ☑ C

COVER

COVER						
5	5	30	5	30	20	5

Total: 40 % | LWD: F | DIST: C

MORPHOLOGY

BED MATERIAL: Dominant: C | Subdom: B

D95: 40 | D (cm): 40 | Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☑	☑	☐	☐	☐	☑

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

Bars: ☐ N ☑ D ☑ P ☐ M ☑ T ☐ L

Pattern: IR | Islands: O | Coupling: DC | Confinement: UN

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 4 — Site # 2

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

WATERSHED

Gazetted Name: | Local Name: Ootsanee C.

ILP: 73001 | Map: 93F.073 | Reach #: 4 | Sample Type: B

REACH ATTRIBUTES

Length (km): 2100 | US Elev.: 870 | Bars: ☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev.: 840 | Magnitude: 59 | Setting: VW | Riparian Veg.: C

Order: 4 | BGC Zone: SBS | Exposed/Eroded: V | Landuse: FR

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
2		300	FT	☑	1997/09/25

CHANNEL

Mean Channel Width (m): 6.7 | Mean Wetted Width (m): 3.0 | Mean Residual Pool Depth (m): 0.6

Mean Gradient: 2.8 | Mean Wb Depth: 0.4 | No Vis.Ch. ☐ | Intermittent ☐

Stage ☑ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp.: 8.1 | pH: 7.8 | Cond.: 171 | Turb. ☐ T ☐ M ☐ L ☑ C

COVER

COVER						
	10	10	10	60	10	

Total: 30 % | LWD: F | DIST: C

MORPHOLOGY

BED MATERIAL Dominant: C | Subdom: G

D95: 15 | D (cm): 10 | Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☑

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

Bars ☐ N ☐ D ☑ P ☐ M ☐ T ☐ L

Pattern: IR | Islands: O | Coupling: PC | Confinement: OC

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 5 — Site # 3

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

WATERSHED

Gazetted Name: | Local Name: Ootsanee C.

ILP: 73001 | Map: 93F.073 | Reach #: 5 | Sample Type: B

REACH ATTRIBUTES

Length (km): 1.2 | US Elev.: 875 | Bars: ☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev.: 870 | Magnitude: 57 | Setting: PN | Riparian Veg.: C

Order: 4 | BGC Zone: SBS | Exposed/Eroded: N | Landuse: OT

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
3		130	FT	☑	1997/09/25

CHANNEL

Mean Channel Width (m): 7.2 | Mean Wetted Width (m): 6.3 | Mean Residual Pool Depth (m): 0.8

Mean Gradient: 1.6 | Mean Wb Depth: 0.7 | No Vis.Ch. ☐ | Intermittent ☐

Stage ☑ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp.: 9 | pH: | Cond.: 107 | Turb. ☐ T ☐ M ☐ L ☑ C

COVER

COVER							Total	LWD	DIST
	5	5	5	10	55	5	15	85 %	F	E

MORPHOLOGY

BED MATERIAL: Dominant: G | Subdom: C | D95: 55 | D (cm): 10 | Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☑	☐	☐	☐	☐	☐	☑

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

Bars: ☐ N ☐ D ☑ P ☐ M ☑ T ☐ L

Pattern: IR | Islands: O | Coupling: DC | Confinement: UN

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 13 — Site # 4

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

WATERSHED

Gazetted Name: | Local Name: Ootsanee C.

ILP: 73001 | Map: 93F.073 | Reach #: 13 | Sample Type: B

REACH ATTRIBUTES

Length (km): 0.5 | US Elev.: 917 | Bars: ☑ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☐ NV ☐ TR

DS Elev.: 916 | Magnitude: 12 | Setting: VF | Riparian Veg.: W

Order: 3 | BGC Zone: SBS | Exposed/Eroded: N | Landuse: NO

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
4		100	FT	☑	1997/10/04

CHANNEL

Mean Channel Width (m): 2.0 | Mean Wetted Width (m): 2.0 | Mean Residual Pool Depth (m): 1.0

Mean Gradient: 0.5 | Mean Wb Depth: 1.5 | No Vis.Ch. ☐ | Intermittent ☐

Stage: ☑ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp.: 6.9 | pH: 7.3 | Cond.: 110 | Turb.: ☐ T ☐ M ☐ L ☑ C

COVER

COVER						
			10	60	30	

Total: 40 % | LWD: N | DIST: NA

MORPHOLOGY

BED MATERIAL: Dominant: F | Subdom: NA

D95: 1 | D (cm): 1 | Morph: RP

Bars: ☑ N ☐ D ☐ P ☐ M ☐ T ☐ L

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☑	☐	☐	☐	☐	☐	☐

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

Pattern: IM | Islands: F | Coupling: DC | Confinement: UN

REACH FEATURES

NID	NID #	Map	Type	Ht.	Lgth.	Roll No.	Frame No.	UTM (Zone/Easting/Northing)	Comment
102	93F.082		BD	2					

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 15 — Site # 5

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

WATERSHED

Gazetted Name: | Local Name: Ootsanee C.

ILP: 73001 | Map: 93F.073 | Reach #: 15 | Sample Type: B

REACH ATTRIBUTES

Length (km): 0.2 | US Elev.: 919 | Bars: ☑ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☐ NV ☐ TR

DS Elev.: 918 | Magnitude: 10 | Setting: VF | Riparian Veg.: W

Order: 3 | BGC Zone: SBS | Exposed/Eroded: N | Landuse: NO

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
5		165	FT	☑	1997/10/04

CHANNEL

Mean Channel Width (m): 0.7 | Mean Wetted Width (m): 0.7 | Mean Residual Pool Depth (m): 0.3

Mean Gradient: 0.8 | Mean Wb Depth: 0.5 | No Vis.Ch. ☐ | Intermittent ☐

Stage ☑ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp.: 4.8 | pH: 7.6 | Cond.: 98 | Turb. ☐ T ☐ M ☐ L ☑ C

COVER

COVER							
			20	30	50		

Total: 20 % | LWD: N | DIST: NA

MORPHOLOGY

BED MATERIAL Dominant: F | Subdom: G

D95: 1 | D (cm): 1 | Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Bars ☑ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern: IM | Islands: F | Coupling: DC | Confinement: UN

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 17 — Site # 6

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

WATERSHED

Gazetted Name: | Local Name: Ootsanee C.

ILP: 73001 | Map: 93F.073 | Reach #: 17 | Sample Type: B

REACH ATTRIBUTES

Length (km): 0.7 | US Elev.: 936 | Bars: ☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev.: 926 | Magnitude: 9 | Setting: VF | Riparian Veg.: W

Order: 3 | BGC Zone: SBS | Exposed/Eroded: N | Landuse: NO

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
6		85	FT	☑	1997/10/04

CHANNEL

Mean Channel Width (m): 2.0 | Mean Wetted Width (m): 1.2 | Mean Residual Pool Depth (m): 0.2

Mean Gradient: 1.4 | Mean Wb Depth: 0.6 | No Vis.Ch. ☐ | Intermittent ☐

Stage ☑ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp.: 4 | pH: 7.9 | Cond.: 65 | Turb. ☐ T ☐ M ☐ L ☑ C

COVER

COVER							Total	LWD	DIST
			50	30	20		35 %	N	NA

MORPHOLOGY

BED MATERIAL Dominant: G | Subdom: F

D95: 18 | D (cm): 7 | Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Bars ☐ N ☐ D ☑ P ☐ M ☐ T ☐ L

Pattern: IM | Islands: F | Coupling: DC | Confinement: UN

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 18 — Site # 7

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

WATERSHED

Gazetted Name: | Local Name: Ootsanee C.

ILP: 73001 | Map: 93F.073 | Reach #: 18 | Sample Type: B

REACH ATTRIBUTES

Length (km): 0.65 | US Elev.: 960 | Bars: ☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev.: 936 | Magnitude: 7 | Setting: VW | Riparian Veg.: C

Order: 2 | BGC Zone: SBS | Exposed/Eroded: NV | Landuse: NO

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
7		200	FT	☑	1997/10/04

CHANNEL

Mean Channel Width (m): 2.2 | Mean Wetted Width (m): 1.4 | Mean Residual Pool Depth (m): 0.3

Mean Gradient: 5.0 | Mean Wb Depth: 0.4 | No Vis.Ch. ☐ | Intermittent ☐

Stage ☑ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp.: 4.3 | pH: 7.6 | Cond.: 80 | Turb. ☐ T ☐ M ☐ L ☑ C

COVER

COVER						
20	45		10	10	15	

Total: 40 % | LWD: A | DIST: E

MORPHOLOGY

BED MATERIAL Dominant: G | Subdom: F

D95: 9 | D (cm): 3 | Morph: RP

Bars ☐ N ☐ D ☑ P ☐ M ☐ T ☐ L

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☑	☐

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

Pattern: SI | Islands: N | Coupling: PC | Confinement: CO

REACH FEATURES

NID	NID Map #	Type	Ht.	Lgth.	Roll No.	Frame No.	UTM (Zone/Easting/Northing)	Comment
107	93F.082	F	10					

SITE FEATURES

NID	NID Map #	Type	Ht.	Lgth.	Roll No.	Frame No.	UTM (Zone/Easting/Northing)	Comment
507	93F.082	F	12		26	7		falls definitely impassable - no fish above

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 18 — Site # 8

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

WATERSHED

Gazetted Name: | Local Name: Ootsanee C.

ILP: 73001 | Map: 93F.073 | Reach #: 18 | Sample Type: B

REACH ATTRIBUTES

Length (km): 0.65 | US Elev.: 980 | Bars: ☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev.: 936 | Magnitude: 7 | Setting: VW | Riparian Veg.: C

Order: 2 | BGC Zone: SBS | Exposed/Eroded: NV | Landuse: NO

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
8		120	FT	☑	1997/10/04

CHANNEL

Mean Channel Width (m): 2.0 | Mean Wetted Width (m): 1.1 | Mean Residual Pool Depth (m): 0.2

Mean Gradient: 5.2 | Mean Wb Depth: 0.3 | No Vis.Ch. ☐ | Intermittent ☐

Stage ☑ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp.: 4.3 | pH: 7.6 | Cond.: 80 | Turb. ☐ T ☐ M ☐ L ☑ C

COVER

COVER							Total	LWD	DIST
	20	30	30	5	15		30 %	A	C

MORPHOLOGY

BED MATERIAL Dominant: C | Subdom: G

D95: 35 | D (cm): 6 | Morph: SP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Bars ☐ N ☐ D ☑ P ☐ M ☐ T ☐ L

Pattern: ST | Islands: N | Coupling: PC | Confinement: FC

REACH FEATURES

NID	NID #	Map	Type	Ht.	Lgth.	Roll No.	Frame No.	UTM (Zone/Easting/Northing)	Comment
107	93F.082		F	10					

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 19 — Site # 9

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

WATERSHED

Gazetted Name: | Local Name: Ootsanee C.

ILP: 73001 | Map: 93F.073 | Reach #: 19 | Sample Type: B

REACH ATTRIBUTES

Length (km): 0.2 | US Elev.: 968 | Bars: ☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev.: 980 | Magnitude: 7 | Setting: PN | Riparian Veg.: C

Order: 2 | BGC Zone: SBS | Exposed/Eroded: N | Landuse: NO

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
9		100	FT	☑	1997/10/04

CHANNEL

Mean Channel Width (m): 2.0 | Mean Wetted Width (m): 1.6 | Mean Residual Pool Depth (m): 0.1

Mean Gradient: 1.3 | Mean Wb Depth: 0.3 | No Vis.Ch. ☐ | Intermittent ☐

Stage ☑ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp.: 6.8 | pH: 7.4 | Cond.: 84 | Turb. ☐ T ☐ M ☐ L ☑ C

COVER

COVER						
5	15	5	10	5	55	5

Total: 20 % | LWD: F | DIST: C

MORPHOLOGY

BED MATERIAL Dominant: F | Subdom: C

D95: 10 | D (cm): 2 | Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Bars ☑ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern: ST | Islands: N | Coupling: PC | Confinement: FC

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 1 — Site # 10

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

WATERSHED

Gazetted Name: | Local Name: |

ILP: 73002 | Map: 93F.073 | Reach #: 1 | Sample Type: B

REACH ATTRIBUTES

Length (km): 0.9 | US Elev.: 880 | Bars: ☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev.: 805 | Magnitude: 2 | Setting: VW | Riparian Veg.: C

Order: 2 | BGC Zone: SBS | Exposed/Eroded: N | Landuse: FB

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
10		200	FT	☑	1997/09/25

CHANNEL

Mean Channel Width (m): 1.2 | Mean Wetted Width (m): 0.4 | Mean Residual Pool Depth (m): 0.1

Mean Gradient: 13.8 | Mean Wb Depth: 0.2 | No Vis.Ch. ☐ | Intermittent ☐

Stage ☑ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp.: 6.9 | pH: 7.6 | Cond.: 151 | Turb. ☐ T ☐ M ☐ L ☑ C

COVER

COVER						
	10		5	60		25

Total: 40 % | LWD: F | DIST: E

MORPHOLOGY

BED MATERIAL Dominant: G | Subdom: C

D95: 5 | D (cm): 3 | Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Bars ☑ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern: IR | Islands: N | Coupling: PC | Confinement: FC

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 1 — Site # 11

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

WATERSHED

Gazetted Name: | Local Name: |

ILP: 73004 | Map: 93F.073 | Reach #: 1 | Sample Type: B

REACH ATTRIBUTES

Length (km): 0.17 | US Elev.: 860 | Bars: ☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev.: 818 | Magnitude: 1 | Setting: VW | Riparian Veg.: C

Order: 1 | BGC Zone: SBS | Exposed/Eroded: N | Landuse: NO

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
11		75	FT	☐	1997/09/25

CHANNEL

Mean Channel Width (m): 0.0 | Mean Wetted Width (m): 0.0 | Mean Residual Pool Depth (m): 0.0

Mean Gradient: 0.0 | Mean Wb Depth: 0.0 | No Vis.Ch. ☑ | Intermittent ☐

Stage ☐ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp. | pH | Cond. | Turb. ☐ T ☐ M ☐ L ☐ C

COVER

COVER | Total % | LWD | DIST

MORPHOLOGY

BED MATERIAL Dominant: | Subdom: | D95: | D (cm): | Morph:

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Bars ☐ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern | Islands | Coupling | Confinement

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 1 — Site # 12

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

WATERSHED

Gazetted Name: | Local Name:

ILP: 73005 | Map: 93F.073 | Reach #: 1 | Sample Type: B

REACH ATTRIBUTES

Length (km): 0.14 | US Elev.: 870 | Bars: ☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev.: 847 | Magnitude: 1 | Setting: VW | Riparian Veg.: C

Order: 1 | BGC Zone: SBS | Exposed/Eroded: N | Landuse: NO

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
12		75	FT	☐	1997/09/25

CHANNEL

Mean Channel Width (m): 0.0 | Mean Wetted Width (m): 0.0 | Mean Residual Pool Depth (m): 0.0

Mean Gradient: 0.0 | Mean Wb Depth: 0.0 | No Vis.Ch. ☑ | Intermittent ☐

Stage ☐ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp. | pH | Cond. | Turb. ☐ T ☐ M ☐ L ☐ C

COVER

COVER | Total % | LWD | DIST

MORPHOLOGY

BED MATERIAL Dominant: | Subdom:

D95: | D (cm): | Morph:

DISTURBANCE INDICATORS

O1 ☐ | B1 ☐ B2 ☐ B3 ☐ | D1 ☐ D2 ☐ D3 ☐

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

Bars ☐ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern | Islands | Coupling | Confinement

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 3 — Site # 13

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

WATERSHED

Gazetted Name: | Local Name: |

ILP: 73006 | Map: 93F.073 | Reach #: 3 | Sample Type: B

REACH ATTRIBUTES

Length (km): 0.34 | US Elev.: 940 | Bars: ☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev.: 924 | Magnitude: 1 | Setting: VW | Riparian Veg.: C

Order: 1 | BGC Zone: SBS | Exposed/Eroded: N | Landuse: FB

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
13		40	V4	☐	1997/09/25

CHANNEL

Mean Channel Width (m): 0.3 | Mean Wetted Width (m): 0.0 | Mean Residual Pool Depth (m): 0.0

Mean Gradient: 13.7 | Mean Wb Depth: 0.2 | No Vis.Ch. ☐ | Intermittent ☐

Stage ☑ L ☐ M ☐ H | Dw ☑ | Tribs. ☐

WATER

Temp. | pH | Cond. | Turb. ☐ T ☐ M ☐ L ☐ C

COVER

COVER						
30		10			60	

Total: 20 % | LWD: N | DIST: NA

MORPHOLOGY

BED MATERIAL: Dominant: C | Subdom: G

D95: 25 | D (cm): 15 | Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Bars: ☑ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern: SI | Islands: N | Coupling: DC | Confinement: OC

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 1— Site # 14

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

WATERSHED

Gazetted Name: | Local Name: |

ILP: 73007 Map: 93F.073 Reach #: 1 Sample Type: B

REACH ATTRIBUTES

Length (km): 0.85 US Elev.: 901 Bars: ☑ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☐ NV ☐ TR

DS Elev.: 877 Magnitude: 4 Setting: VW Riparian Veg.: W

Order: 2 BGC Zone: SBS Exposed/Eroded: N Landuse: NO

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
14		340	FT	☑	1997/09/25

CHANNEL

Mean Channel Width (m): 1.0 Mean Wetted Width (m): 1.0 Mean Residual Pool Depth (m): 1.5

Mean Gradient: 0.5 Mean Wb Depth: 1.8 No Vis.Ch. ☐ Intermittent ☐

Stage ☑ L ☐ M ☐ H Dw ☐ Tribs. ☐

WATER

Temp.: 10 pH: 7.1 Cond.: 101 Turb. ☐ T ☐ M ☑ L ☐ C

COVER

COVER							Total	LWD	DIST
			5	75	20		60 %	N	NA

MORPHOLOGY

BED MATERIAL Dominant: F Subdom: NA

D95: 0.1 D (cm): 0.1 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☑	☐	☐	☐	☐	☐	☐

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

Bars ☑ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern: IM Islands: F Coupling: DC Confinement: UN

REACH FEATURES

NID	NID #	Map	Type	Ht.	Lgth.	Roll No.	Frame No.	UTM (Zone/Easting/Northing)	Comment
14	93F.073		BD	2					

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 1 — Site # 15

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

WATERSHED

Gazetted Name: | Local Name: |

ILP: 73008 | Map: 93F.073 | Reach #: 1 | Sample Type: B

REACH ATTRIBUTES

Length (km): 0.5 | US Elev.: 902 | Bars: ☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev.: 890 | Magnitude: 1 | Setting: VW | Riparian Veg.: C

Order: 1 | BGC Zone: SBS | Exposed/Eroded: N | Landuse: NO

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
15		220	FT	☑	1997/09/22

CHANNEL

Mean Channel Width (m): 0.8 | Mean Wetted Width (m): 0.6 | Mean Residual Pool Depth (m): 0.1

Mean Gradient: 2.1 | Mean Wb Depth: 0.5 | No Vis.Ch. ☐ | Intermittent ☐

Stage ☑ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp.: 7.3 | pH: 7.6 | Cond.: 137 | Turb. ☐ T ☐ M ☐ L ☑ C

COVER

COVER							Total	LWD	DIST
	10			60	20	10	80 %	N	NA

MORPHOLOGY

BED MATERIAL: Dominant: G | Subdom: F

D95: 7 | D (cm): 4 | Morph: RP

DISTURBANCE INDICATORS: O1 ☐ | B1 ☐ B2 ☐ B3 ☐ | D1 ☐ D2 ☐ D3 ☐

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

Bars ☑ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern: IR | Islands: N | Coupling: DC | Confinement: UN

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 2 — Site # 16

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

WATERSHED

Gazetted Name: | Local Name: |

ILP: 73011 Map: 93F.073 Reach #: 2 Sample Type: B

REACH ATTRIBUTES

Length (km): 0.58 US Elev.: 910 Bars: ☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev.: 895 Magnitude: 1 Setting: VW Riparian Veg.: C

Order: 1 BGC Zone: SBS Exposed/Eroded: N Landuse: NO

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
16		50	V4	☐	1997/09/25

CHANNEL

Mean Channel Width (m): 0.3 Mean Wetted Width (m): 0.3 Mean Residual Pool Depth (m): 0.1

Mean Gradient: 7.0 Mean Wb Depth: 0.1 No Vis.Ch. ☐ Intermittent ☐

Stage ☑ L ☐ M ☐ H Dw ☐ Tribs. ☐

WATER

Temp.: 8.1 pH: Cond.: 113 Turb.: ☐ T ☐ M ☐ L ☑ C

COVER

COVER							
			25	25	50		

Total: 50 % LWD: N DIST: NA

MORPHOLOGY

BED MATERIAL Dominant: C Subdom: G

D95: 10 D (cm): 1 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Bars ☑ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern: SI Islands: N Coupling: DC Confinement: UN

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 2 – Site # 17

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

WATERSHED

Gazetted Name: | Local Name: |

ILP: 73015 Map: 93F.073 Reach #: 2 | Sample Type: B

REACH ATTRIBUTES

Length (km): 1 US Elev.: 962 Bars: ☐ N ☐ Di ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev.: 897 Magnitude: 1 Setting: VW Riparian Veg.: C

Order: 1 BGC Zone: SBS Exposed/Eroded: N Landuse: FR

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
17		160	V4	☐	1997/09/28

CHANNEL

Mean Channel Width (m): 0.8 Mean Wetted Width (m): 0.0 Mean Residual Pool Depth (m): 0.0

Mean Gradient: 6.2 Mean Wb Depth: 0.2 No Vis.Ch. ☐ Intermittent ☐

Stage ☑ L ☐ M ☐ H Dw ☑ Tribs. ☐

WATER

Temp.: 7.4 pH: | Cond.: 135 Turb. ☐ T ☐ M ☐ L ☑ C

COVER

COVER						
	20			10		70

Total: 70 % LWD: N DIST: NA

MORPHOLOGY

BED MATERIAL Dominant: C Subdom: G

D95: 15 D (cm): 2 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Bars ☑ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern: SI Islands: N Coupling: DC Confinement: OC

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FU/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 2 — Site # 18

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

WATERSHED

Gazetted Name: | Local Name: |

ILP: 83006 | Map: 93F.083 | Reach #: 2 | Sample Type: B

REACH ATTRIBUTES

Length (km): 1.1 | US Elev.: 947 | Bars: ☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev.: 890 | Magnitude: 3 | Setting: VW | Riparian Veg.: C

Order: 2 | BGC Zone: SBS | Exposed/Eroded: N | Landuse: FB

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
18		130	FT	☑	1997/09/27

CHANNEL

Mean Channel Width (m): 1.8 | Mean Wetted Width (m): 1.2 | Mean Residual Pool Depth (m): 0.2

Mean Gradient: 5.4 | Mean Wb Depth: 0.3 | No Vis.Ch. ☐ | Intermittent ☐

Stage ☑ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp.: 7.1 | pH: | Cond.: 99 | Turb. ☐ T ☐ M ☐ L ☑ C

COVER

COVER						
	15	10	5	10		60

Total: 60 % | LWD: F | DIST: E

MORPHOLOGY

BED MATERIAL Dominant: G | Subdom: C

D95: 20 | D (cm): 10 | Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Bars ☑ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern: SI | Islands: N | Coupling: DC | Confinement: OC

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 3 — Site # 19

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

WATERSHED

Gazetted Name: | Local Name:

ILP: 83006 | Map: 93F.083 | Reach #: 3 | Sample Type: B

REACH ATTRIBUTES

Length (km): 0.4 | US Elev.: 952 | Bars: ☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev.: 947 | Magnitude: 3 | Setting: VW | Riparian Veg.: W

Order: 2 | BGC Zone: SBS | Exposed/Eroded: N | Landuse: NO

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
19		600	FT	☑	1997/10/04

CHANNEL

Mean Channel Width (m): 0.9 | Mean Wetted Width (m): 0.9 | Mean Residual Pool Depth (m): 0.1

Mean Gradient: 1.6 | Mean Wb Depth: 0.3 | No Vis.Ch. ☐ | Intermittent ☐

Stage ☑ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp.: 5.2 | pH: | Cond.: 54 | Turb. ☐ T ☐ M ☐ L ☑ C

COVER

COVER							Total	LWD	DIST
	10			5	25	60	70 %	N	NA

MORPHOLOGY

BED MATERIAL: Dominant: G | Subdom: F

D95: 7 | D (cm): 1 | Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☑	☐	☐	☐	☐	☐	☐

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

Bars ☑ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern: IM | Islands: N | Coupling: DC | Confinement: UN

REACH FEATURES

SITE FEATURES

NID	NID #	Map	Type	Ht.	Lgth.	Roll No.	Frame No.	UTM (Zone/Easting/Northing)	Comment
520	93F.083		BD	0.7		9	11		937 -old BD at lake outlet - raised level. Passable

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 5 — Site # 20

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

WATERSHED

Gazetted Name: | Local Name: |

ILP: 83006 | Map: 93F.063 | Reach #: 5 | Sample Type: B

REACH ATTRIBUTES

Length (km): 0.23 | US Elev.: 968 | Bars: ☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev.: 952 | Magnitude: 1 | Setting: VW | Riparian Veg.: C

Order: 1 | BGC Zone: SBS | Exposed/Eroded: N | Landuse: FB

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
20		120	FT	☐	1997/10/04

CHANNEL

Mean Channel Width (m): 0.0 | Mean Wetted Width (m): 0.0 | Mean Residual Pool Depth (m): 0.0

Mean Gradient: 0.0 | Mean Wb Depth: 0.0 | No Vis.Ch. ☑ | Intermittent ☐

Stage ☐ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp. | pH | Cond. | Turb. ☐ T ☐ M ☐ L ☐ C

COVER

COVER: [illegible] | Total: % | LWD | DIST

MORPHOLOGY

BED MATERIAL: Dominant: | Subdom: | D95: | D (cm): | Morph:

DISTURBANCE INDICATORS: O1 ☐ | B1 ☐ B2 ☐ B3 ☐ | D1 ☐ D2 ☐ D3 ☐ | C1 ☐ C2 ☐ C3 ☐ C4 ☐ C5 ☐ | S1 ☐ S2 ☐ S3 ☐ S4 ☐ S5 ☐

Bars ☐ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern | Islands | Coupling | Confinement

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 1 — Site # 21

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

WATERSHED

Gazetted Name: | Local Name: |

ILP: 83009 | Map: 93F.083 | Reach #: 1 | Sample Type: B

REACH ATTRIBUTES

Length (km): 1.1 | US Elev.: 975 | Bars: ☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev.: 879 | Magnitude: 1 | Setting: VW | Riparian Veg.: C

Order: 1 | BGC Zone: SBS | Exposed/Eroded: N | Landuse: OT

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
21		300	V4	☐	1997/09/27

CHANNEL

Mean Channel Width (m): 0.0 | Mean Wetted Width (m): 0.0 | Mean Residual Pool Depth (m): 0.0

Mean Gradient: 0.0 | Mean Wb Depth: 0.0 | No Vis.Ch. ☑ | Intermittent ☐

Stage ☐ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp. | pH | Cond. | Turb. ☐ T ☐ M ☐ L ☐ C

COVER

COVER | Total % | LWD | DIST

MORPHOLOGY

BED MATERIAL Dominant: | Subdom:

D95: | D (cm): | Morph:

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Bars ☐ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern | Islands | Coupling | Confinement

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 2 — Site # 22

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

WATERSHED

Gazetted Name: | Local Name: |

ILP: 83010 | Map: 93F.083 | Reach #: 2 | Sample Type: B

REACH ATTRIBUTES

Length (km): 0.9 | US Elev.: 910 | Bars: ☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev.: 895 | Magnitude: 17 | Setting: VW | Riparian Veg.: C

Order: 3 | BGC Zone: SBS | Exposed/Eroded: N | Landuse: FR

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
22		50	V4	☑	1997/09/28

CHANNEL

Mean Channel Width (m): 2.2 | Mean Wetted Width (m): 0.7 | Mean Residual Pool Depth (m): 0.2

Mean Gradient: 1.0 | Mean Wb Depth: 0.3 | No Vis.Ch. ☐ | Intermittent ☐

Stage ☑ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp.: 6.9 | pH: | Cond.: 175 | Turb. ☐ T ☐ M ☐ L ☑ C

COVER

COVER						
	5		5	30	50	10

Total: 80 % | LWD: F | DIST: E

MORPHOLOGY

BED MATERIAL Dominant: G | Subdom: C

D95: 17 | D (cm): 1 | Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Bars ☑ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern: IR | Islands: N | Coupling: DC | Confinement: OC

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 3 — Site # 23

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

WATERSHED

Gazetted Name: | Local Name:

ILP: 83010 | Map: 93F.083 | Reach #: 3 | Sample Type: B

REACH ATTRIBUTES

Length (km): 0.8 | US Elev.: 911 | Bars: ☑ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☐ NV ☐ TR

DS Elev.: 910 | Magnitude: 16 | Setting: PN | Riparian Veg.: W

Order: 3 | BGC Zone: SBS | Exposed/Eroded: N | Landuse: FR

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
23		140	FT	☑	1997/09/28

CHANNEL

Mean Channel Width (m): 2.8 | Mean Wetted Width (m): 2.8 | Mean Residual Pool Depth (m): 0.9

Mean Gradient: 0.5 | Mean Wb Depth: 1.1 | No Vis.Ch. ☐ | Intermittent ☐

Stage ☐ L ☑ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp.: 8 | pH: | Cond.: 214 | Turb. ☐ T ☐ M ☑ L ☐ C

COVER

COVER							
				90		10	

Total: 80 % | LWD: N | DIST: NA

MORPHOLOGY

BED MATERIAL Dominant: F | Subdom: NA

D95: 0.1 | D (cm): 0.1 | Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Bars: ☑ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern: IM | Islands: N | Coupling: DC | Confinement: UN

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 8 — Site # 24

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

WATERSHED

Gazetted Name: | Local Name: |

ILP: 83010 | Map: 93F.083 | Reach #: 8 | Sample Type: B

REACH ATTRIBUTES

Length (km): 0.2 | US Elev.: 914 | Bars: ☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev.: 913 | Magnitude: 9 | Setting: PN | Riparian Veg.: C

Order: 3 | BGC Zone: SBS | Exposed/Eroded: N | Landuse: NO

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
24		100	FT	☑	1997/10/04

CHANNEL

Mean Channel Width (m): 4.5 | Mean Wetted Width (m): 1.9 | Mean Residual Pool Depth (m): 0.1

Mean Gradient: 0.9 | Mean Wb Depth: 0.2 | No Vis.Ch. ☐ | Intermittent ☐

Stage ☑ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp.: 8 | pH: 7.3 | Cond.: 80 | Turb. ☐ T ☐ M ☐ L ☑ C

COVER

COVER							Total	LWD	DIST
5		15			75	5	30 %	F	E

MORPHOLOGY

BED MATERIAL: Dominant: G | Subdom: C

D95: 25 | D (cm): 2 | Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Bars: ☑ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern: IR | Islands: N | Coupling: DC | Confinement: UN

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 10 — Site # 25

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

WATERSHED

Gazetted Name: | Local Name:

ILP: 83010 | Map: 93F.083 | Reach #: 10 | Sample Type: B

REACH ATTRIBUTES

Length (km): 0.6 | US Elev.: 915 | Bars: ☑ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☐ NV ☐ TR

DS Elev.: 914 | Magnitude: 3 | Setting: PN | Riparian Veg.: W

Order: 2 | BGC Zone: SBS | Exposed/Eroded: N | Landuse: FR

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
25		200	FT	☐	1997/10/05

CHANNEL

Mean Channel Width (m): 0.0 | Mean Wetted Width (m): 0.0 | Mean Residual Pool Depth (m): 0.0

Mean Gradient: 0.0 | Mean Wb Depth: 0.0 | No Vis.Ch. ☑ | Intermittent ☐

Stage ☐ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp. | pH | Cond. | Turb. ☐ T ☐ M ☐ L ☐ C

COVER

COVER | Total % | LWD | DIST

MORPHOLOGY

BED MATERIAL Dominant: | Subdom:

D95: | D (cm): | Morph:

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Bars ☐ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern | Islands | Coupling | Confinement

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 12— Site # 26

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

WATERSHED

Gazetted Name [ ] Local Name [ ]

ILP [83010] Map [93F.083] Reach # [12] [ ] Sample Type [B]

REACH ATTRIBUTES

Length (km) [1.4] US Elev. [963] Bars ☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev. [915] Magnitude [1] Setting [VW] Riparian Veg. [C]

Order [1] BGC Zone [SBS] Exposed/Eroded [N] Landuse [FR]

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)				Site Lg	Access	Fish Crd?	Date
26					150	V4	☐	1997/10/05

CHANNEL

Mean Channel Width (m) [0.6] Mean Wetted Width (m) [0.0] Mean Residual Pool Depth (m) [0.0]

Mean Gradient [3.6] Mean Wb Depth [0.3] No Vis.Ch. ☐ Intermittent ☐

Stage ☑ L ☐ M ☐ H Dw ☑ Tribs. ☐

WATER

Temp. [ ] pH [ ] Cond. [ ] Turb. ☐ T ☐ M ☐ L ☐ C

COVER

COVER							Total	LWD	DIST
	60				10	10	90 %	F	E

MORPHOLOGY

BED MATERIAL Dominant: [F] Subdom: [C]

D95: [10] D (cm): [0.1] Morph: [RP]

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Bars ☑ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern [SI] Islands [N] Coupling [CO] Confinement [CO]

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 2 — Site # 27

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

WATERSHED

Gazetted Name [ ] Local Name [ ]

ILP [83011] Map [93F.083] Reach # [2] [ ] Sample Type [B]

REACH ATTRIBUTES

Length (km) [0.68] US Elev. [983] Bars ☑ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☐ NV ☐ TR

DS Elev. [930] Magnitude [1] Setting [VW] Riparian Veg. [C]

Order [1] BGC Zone [SBS] Exposed/Eroded [N] Landuse [FB]

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
27		200	V4	☐	1997/09/28

CHANNEL

Mean Channel Width (m) [0.0] Mean Wetted Width (m) [0.0] Mean Residual Pool Depth (m) [0.0]

Mean Gradient [0.0] Mean Wb Depth [0.0] No Vis.Ch. ☑ Intermittent ☐

Stage ☐ L ☐ M ☐ H Dw ☐ Tribs. ☐

WATER

Temp. [ ] pH [ ] Cond. [ ] Turb. ☐ T ☐ M ☐ L ☐ C

COVER

COVER [ ] [ ] [ ] [ ] [ ] [ ] [ ] Total [ ] % LWD [ ] DIST [ ]

MORPHOLOGY

BED MATERIAL Dominant: [ ] Subdom: [ ]

D95: [ ] D (cm): [ ] Morph: [ ]

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Bars ☐ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern [ ] Islands [ ] Coupling [ ] Confinement [ ]

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 2 — Site # 28

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

WATERSHED

Gazetted Name: | Local Name:

ILP: 83012 | Map: 93F.083 | Reach #: 2 | Sample Type: B

REACH ATTRIBUTES

Length (km): 0.4 | US Elev.: 935 | Bars: ☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev.: 918 | Magnitude: 1 | Setting: VW | Riparian Veg.: C

Order: 1 | BGC Zone: SBS | Exposed/Eroded: N | Landuse: NO

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
28		400	V4	☐	1997/10/04

CHANNEL

Mean Channel Width (m): 0.0 | Mean Wetted Width (m): 0.0 | Mean Residual Pool Depth (m): 0.0

Mean Gradient: 0.0 | Mean Wb Depth: 0.0 | No Vis.Ch. ☑ | Intermittent ☐

Stage ☐ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp. | pH | Cond. | Turb. ☐ T ☐ M ☐ L ☐ C

COVER

COVER | Total % | LWD | DIST

MORPHOLOGY

BED MATERIAL Dominant: | Subdom:

D95: | D (cm): | Morph:

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Bars ☐ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern | Islands | Coupling | Confinement

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 1 — Site # 29

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

WATERSHED

Gazetted Name: | Local Name:

ILP: 83016 | Map: 93F.083 | Reach #: 1 | Sample Type: B

REACH ATTRIBUTES

Length (km): 0.1 | US Elev.: 913 | Bars: ☑ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☐ NV ☐ TR

DS Elev.: 913 | Magnitude: 3 | Setting: PN | Riparian Veg.: W

Order: 2 | BGC Zone: SBS | Exposed/Eroded: N | Landuse: NO

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
29		75	FT	☑	1997/10/04

CHANNEL

Mean Channel Width (m): 1.8 | Mean Wetted Width (m): 1.2 | Mean Residual Pool Depth (m): 0.3

Mean Gradient: 0.6 | Mean Wb Depth: 0.5 | No Vis.Ch. ☐ | Intermittent ☐

Stage ☑ L ☐ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp.: 5.5 | pH: | Cond.: 96 | Turb. ☐ T ☐ M ☐ L ☑ C

COVER

COVER							Total	LWD	DIST
	5			5	20	20	50	75 %	F	E

MORPHOLOGY

BED MATERIAL: Dominant: F | Subdom: NA

D95: 1 | D (cm): 1 | Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Bars: ☑ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern: IR | Islands: O | Coupling: DC | Confinement: UN

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

FDIS Reach/Site Summary

Reach # 2 — Site # 30

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

WATERSHED

Gazetted Name: | Local Name:

ILP: 83016 | Map: 93F.083 | Reach #: 2 | Sample Type: B

REACH ATTRIBUTES

Length (km): 0.5 | US Elev.: 935 | Bars: ☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ WD ☑ NV ☐ TR

DS Elev.: 913 | Magnitude: 2 | Setting: VW | Riparian Veg.: C

Order: 2 | BGC Zone: SBS | Exposed/Eroded: N | Landuse: NO

SITE ATTRIBUTES

Site #	UTM(Zone/East/North/Method)	Site Lg	Access	Fish Crd?	Date
30		75	FT	☑	1997/10/04

CHANNEL

Mean Channel Width (m): 1.0 | Mean Wetted Width (m): 0.9 | Mean Residual Pool Depth (m): 0.3

Mean Gradient: 2.0 | Mean Wb Depth: 0.4 | No Vis.Ch. ☐ | Intermittent ☐

Stage ☐ L ☑ M ☐ H | Dw ☐ | Tribs. ☐

WATER

Temp.: 5.3 | pH: | Cond.: 102 | Turb. ☐ T ☐ M ☑ L ☐ C

COVER

COVER							Total	LWD	DIST
	5	5		40	25	20	5	50 %	F	E

MORPHOLOGY

BED MATERIAL Dominant: F | Subdom: G

D95: 2 | D (cm): 1 | Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Bars ☑ N ☐ D ☐ P ☐ M ☐ T ☐ L

Pattern: IR | Islands: N | Coupling: DC | Confinement: UN

REACH FEATURES

SITE FEATURES

FSZ

TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

Accompanying Reach or Site Comments ? ☑

Site Card

03-Mar-98

LB SHP V — **RIP** C

Texture [x] F [x] G [x] C [x] B [ ] R [ ] A — **STG** YF

RB SHP V — **RIP** C

Texture [ ] F [x] G [x] C [ ] B [ ] R [ ] A — **STG** MF

MORPHOLOGY

BED MATERIAL Dominant: G Subdom: C

D95: 5 D (cm): 3 Morph: RP

DISTURBANCE INDICATORS

O1 [ ] B1 [ ] B2 [ ] B3 [ ] D1 [ ] D2 [ ] D3 [ ]

C1 [ ] C2 [ ] C3 [ ] C4 [ ] C5 [ ] S1 [ ] S2 [ ] S3 [ ] S4 [ ] S5 [ ]

Pattern IR

Islands N

Bars [x] N [ ] D [ ] P [ ] M [ ] T [ ] L

Coupling PC

Confinement FC

FEATURE

FSZ TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 7	F	13	ST	U	953
R 7	F	14	ST	D	954

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	P	TR	steep with no steps
Spawining Habitat	P	P	TR	
OverWinter Habitat	P	P	TR	lacks deep pools
Cover	P	M	TR	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=100m u/s from mouth
MORPHOLOGY	abundant riffles d/t mod gradient
CHANNEL	2 small springs seen flowing into creek

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 73004 Map: 93F.073 Reach #: 1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
11	511	93F.073		75	HC	FT	

Date: 1997/09/25 Time: 12:30 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)
Wetted Width (m)
Pool Depth (m)

Method I
Method II

Wb Depth
Stage: L M H
No Vis.Ch. ☒ Intermittent
Dw Tribs.

WATER

FLOOD SIGNS
Method:
Temp. Method:
pH Method:

Req #
EMS
Cond. Method:
Turb. T M L C Method: GE

COVER

COVER Total %

LWD
DIST

INTREAM VEG N A M V

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1996
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: Ootsanee C.
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP: 73001 Map: 93F.073 Reach #: 1

Site #	NID	Map	UTM(Zone/East/North/Method)				Site Lg	Method	Access	Fish Crd?
1	500	93F.073					400	HC	FT	☒

Date: 1997/09/25 Time: 11:30 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)	HC	7.7							
Wetted Width (m)	HC	2.9							
Pool Depth (m)	MS	0.4	0.5	0.3	0.4	0.8			

Method I	2.5	2.0	C
Method II	2.5	2.0	C

Wb Depth: 1.7 1.8 1.8
Stage: ☒ L ☐ M ☐ H
No Vis.Ch. ☐ Intermittent ☐
Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS
Method: GE
Temp. 7.9 Method: T3
pH 7.8 Method: P2

Req #
EMS
Cond. 171 Method: S4
Turb. ☐ T ☐ M ☐ L ☒ C Method: GE

COVER

COVER Total 40 %

5	5	30	5	30	20	5

1 1-20%

LWD F
DIST C
INTREAM VEG ☐ N ☒ A ☐ M ☐ V

Site Card

03-Mar-98

LB SHP U — **RIP** D

Texture ☐ F ☒ G ☒ C ☐ B ☐ R ☐ A — **STG** MF

RB SHP O — **RIP** D

Texture ☐ F ☒ G ☒ C ☐ B ☐ R ☐ A — **STG** MF

MORPHOLOGY

BED MATERIAL Dominant: C Subdom: B

D95: 40 D (cm): 40 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☒	☒	☐	☐	☐	☒

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

Pattern IR

Islands O

Bars ☐ N ☒ D ☒ P ☐ M ☒ T ☐ L

Coupling DC

Confinement UN

FEATURE

FSZ TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FU/BV ☐

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 7	F	15	ST	U	11:45
R 7	F	16	ST	D	11:46

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	RB/CAS	
Spawining Habitat	P	M	RB/CAS	
OverWinter Habitat	P	G	RB	
Cover	P	G	RB	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	SITE = FROM MOUTH

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: Ootsanee C.
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 73001 Map: 93F.073 Reach #: 4

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
2	501	93F.073		300	HC	FT	☒

Date: 1997/09/25 Time: 13:40 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)	HC	6.7							
Wetted Width (m)	HC	3.0							
Pool Depth (m)	MS	0.7	0.6	0.6	0.7	0.5	0.4	0.8	

Method I	3.0	2.5	C
Method II	3.0	2.5	C

Wb Depth: 0.4 0.4 0.3
Stage: ☒ L ☐ M ☐ H
No Vis.Ch. ☐ Intermittent ☐
Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS: Method: GE
Req #:
EMS:
Temp. 8.1 Method: T3
Cond. 171 Method: S4
pH 7.8 Method: P2
Turb. ☐ T ☐ M ☐ L ☒ C Method: GE

COVER

COVER Total 30 %

	10	10	10	60	10	

2 21-40%

LWD F
DIST C
INTREAM VEG ☐ N ☒ A ☐ M ☐ V

Site Card

03-Mar-98

LB SHP V **RIP** C

Texture ☐ F ☒ G ☒ C ☐ B ☐ R ☐ A **STG** MF

RB SHP V **RIP** C

Texture ☐ F ☒ G ☒ C ☐ B ☐ R ☐ A **STG** MF

MORPHOLOGY

BED MATERIAL Dominant: C Subdom: G

D95: 15 D (cm): 10 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☒

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

Pattern IR

Islands O

Bars ☐ N ☐ D ☒ P ☐ M ☐ T ☐ ⊥

Coupling PC

Confinement OC

FEATURE

FSZ TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ EL/BV ☐

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 7	F	20	ST	U	13:39
R 7	F	21	ST	D	13:39 (vest for scale)

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	RB	Some LWD dep pools. Abund. juvenile RB obse
Spawining Habitat	P	G	RB	
OverWinter Habitat	P	G	RB	
Cover	P	G	RB	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site 300m u/s from lower reach boundary
COVER	"boulder" is actually cobble cover.
COVER	LWD mainly from blowdown.
COVER	creek flows through 20m wide fluvial valley with mostly alders on banks.

Site Card

03-Mar-98

PROJECT

Project Name	Burns Lake	Project Code	06-FRAN-0000-0004-1998
Stream Name (gaz.)	CHESLATTA RIVER		
Project Watershed Code	180-545300-00000-00000-0000-0000-000-000-000-000-000-000		

WATERSHED

Gazetted Name		Local Name	Ootsanee C.
Watershed Code	000-000000-00000-00000-0000-0000-000-000-000-000-000-000		

ILP 73001 Map 93F.073 Reach # 5

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
3	502	93F.073		130	HC	FT	☒

Date 1997/09/25 Time 16:30 Agency C016 Crew MJ/SB

CHANNEL

Channel Width (m)	HC	7.0	8.6	6.3	6.9	7.1			
Wetted Width (m)	HC	6.8	6.6	6.3	6.9	5.0			
Pool Depth (m)	MS	1.0	0.6	0.8					

Method I	1.5	2.0	C
Method II	2.0	1.0	C

Wb Depth 0.8 0.7 0.7

Stage ☒ L ☐ M ☐ H

No Vis.Ch. ☐ Intermittent ☐

Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS

Method: GE

Temp. 9 Method: T3

pH Method: NS

Req #

EMS

Cond. 107 Method: S4

Turb. ☐ T ☐ M ☐ L ☒ C Method: GE

COVER

COVER Total 85 %

5	5	5	10	55	5	15

0 0%

LWD F

DIST E

INTREAM VEG ☐ N ☐ A ☐ M ☒ V

Site Card

03-Mar-98

LB SHP U **RIP** C

Texture [x] F [x] G [x] C [ ] B [ ] R [ ] A **STG** MF

RB SHP S **RIP** C

Texture [x] F [x] G [x] C [ ] B [ ] R [ ] A **STG** MF

MORPHOLOGY

BED MATERIAL Dominant: G Subdom: C

D95: 55 D (cm): 10 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
[x]	[ ]	[ ]	[ ]	[ ]	[ ]	[x]

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Pattern IR

Islands O

Bars [ ] N [ ] D [x] P [ ] M [x] T [ ] L

Coupling DC

Confinement UN

FEATURE

FSZ TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 8	F	4	ST	D	1628
R 8	F	5	ST	U	1629

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	RB	
Spawining Habitat	P	G	RB	
OverWinter Habitat	P	G	RB	
Cover	P	G	RB	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=200m u/s from bridge crossing
COVER	instream veg=~~milfoil~~, pomatogan
COVER	swd associated with BD
COVER	channel extensively covered, very deep run with grasses dominating channel sid

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1996
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: Ootsanee C.
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 73001 Map: 93F.073 Reach #: 13

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
4	503	93F.082		100	HC	FT	☒

Date: 1997/10/04 Time: 15:15 Agency: C016 Crew: SR/MJ

CHANNEL

Channel Width (m)	GE	2.0							
Wetted Width (m)	GE	2.0							
Pool Depth (m)	GE	1.0							

Method I	0.5	0.5	C
Method II			

Wb Depth: 1.5
Stage: ☒ L ☐ M ☐ H
No Vis.Ch. ☐ Intermittent ☐
Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS: Method: GE
Req #:
EMS:
Temp. 6.9 Method: T3
Cond. 110 Method: S4
pH 7.3 Method: P2
Turb. ☐ T ☐ M ☐ L ☒ C Method: GE

COVER

COVER Total 40 %

			10	60	30	

0 0%

LWD: N
DIST: NA
INTREAM VEG ☐ N ☐ A ☐ M ☒ V

Site Card

03-Mar-98

LB SHP	S	RIP	S
Texture	[x] F [ ] G [ ] C [ ] B [ ] R [ ] A	STG	
RB SHP	S	RIP	S
Texture	[x] F [ ] G [ ] C [ ] B [ ] R [ ] A	STG	

MORPHOLOGY

BED MATERIAL Dominant: F Subdom: NA

D95: 1 D (cm): 1 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
[x]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Pattern	IM
Islands	F
Bars	[x] N [ ] D [ ] P [ ] M [ ] T [ ] L
Coupling	DC
Confinement	UN

FEATURE

FSZ TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 26	F	16	ST	D	from top of BD at upper boundary
R 26	F	17	ST	U	facing BD impoundment

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	M	RB	swampy - in deep pool/run sections
Spawining Habitat	P	P	RB	all fines
OverWinter Habitat	P	M	RB	permanent deep pools
Cover	P	M	RB	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site from BD at upper reach boundary to 100m d/s
CHANNEL	wetland, marshy reach - unable to cross for channel measurements
COVER	fair habitat overall, but marshy
MORPHOLOGY	entirely deep run through wetland over fines

Site Card

03-Mar-98

COVER	rip zone = wetland with both shrubs and grasses

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: Ootsanee C.
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 73001 Map: 93F.073 Reach #: 15

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
5	504	93F.082		165	RC	FT	☒

Date: 1997/10/04 Time: 14:30 Agency: C016 Crew: SR/MJ

CHANNEL

Channel Width (m)	GE	0.8	0.6						
Wetted Width (m)	GE	0.8	0.6						
Pool Depth (m)	MS	0.3	0.4						

Method I	1.0	0.5	C
Method II	1.0	0.5	C

Wb Depth: 0.45 | 0.5 | 0.5
Stage: ☒ L ☐ M ☐ H
No Vis.Ch. ☐ Intermittent ☐
Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS: Method: GE
Req #:
EMS:
Temp. 4.8 Method: T3
Cond. 96 Method: S4
pH 7.6 Method: P2
Turb. ☐ T ☐ M ☐ L ☒ C Method: GE

COVER

COVER Total 20 %

			20	30	50	

0 0%

LWD: N
DIST: NA
INTREAM VEG: ☒ N ☐ A ☐ M ☐ V

Site Card

03-Mar-98

LB SHP S — **RIP** G

Texture [X] F [ ] G [ ] C [ ] B [ ] R [ ] A — **STG**

RB SHP S — **RIP** G

Texture [X] F [ ] G [ ] C [ ] B [ ] R [ ] A — **STG**

MORPHOLOGY

BED MATERIAL Dominant: F Subdom: G

D95: 1 D (cm): 1 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
[ ]	[ ]	[ ]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Pattern IM

Islands F

Bars [X] N [ ] D [ ] P [ ] M [ ] T [ ] L

Coupling DC

Confinement UN

FEATURE

FSZ TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 26	F	14	ST	U	1435
R 26	F	15	ST	D	1436

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	S	G	RB	few good off-channel areas for rearing
Spawining Habitat	P	P	RB	mainly fines
OverWinter Habitat	S	M	RB	
Cover	P	M	RB	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=100m d/s from upper end of reach
MORPHOLOGY	fast flow for wetland reach - limited hab except in off-channel areas
MORPHOLOGY	flow mainly run through wetland over fines
CHANNEL	channel very narrow here and was hard to estimate due to multi channel braids t

Site Card

03-Mar-98

COVER	rip zone both grasses and shrubs almost equal

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: Cotsanee C.
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP: 73001 Map: 93F.073 Reach #: 17

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
6	505	93F.062		85	HC	FT	☒

Date: 1997/10/04 Time: 10:00 Agency: C016 Crew: SR/MJ

CHANNEL

Channel Width (m)	HC	2.2	1.7	1.9	2.1			
Wetted Width (m)	HC	0.9	1.1	1.0	1.7			
Pool Depth (m)	MS	0.2	0.2	0.3				

Method I	1.0	1.5	C
Method II	1.5	1.5	C

Wb Depth: 0.5 0.6 0.7
Stage: ☒ L ☐ M ☐ H
No Vis.Ch. ☐ Intermittent ☐
Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS
Method: GE
Req #:
EMS:
Temp. 4 Method: T3
Cond. 65 Method: S4
pH 7.9 Method: P2
Turb. ☐ T ☐ M ☐ L ☒ C Method: GE

COVER

COVER Total 35 %

			50	30	20	

1 1-20%

LWD N
DIST NA
INTREAM VEG ☒ N ☐ A ☐ M ☐ V

Site Card

03-Mar-98

LB SHP [U] RIP [S]

Texture [X] F [ ] G [ ] C [ ] B [ ] R [ ] A STG [ ]

RB SHP [U] RIP [S]

Texture [X] F [ ] G [ ] C [ ] B [ ] R [ ] A STG [ ]

MORPHOLOGY

BED MATERIAL Dominant: [G] Subdom: [F]

D95: [18] D (cm): [7] Morph: [RP]

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
[ ]	[ ]	[ ]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Pattern [IM]

Islands [F]

Bars [ ] N [ ] D [X] P [ ] M [ ] T [ ] L

Coupling [DC]

Confinement [UN]

FEATURE

FSZ. TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo	Foc Lg	Dir	Comments
R 26 F 3	ST	U	959
R 26 F 4	ST	D	1000 - channel hard to photo graph due to heavy brush

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	RB	
Spawining Habitat	P	F	RB	at upper end of reach
OverWinter Habitat	P	M	RB	
Cover	P	M	RB	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site is 200m u/s from 82018, approx 100m d/s from upper boundary
MORPHOLOGY	entire reach is multi-channel braids through wetland, with fish abund in mainste
MORPHOLOGY	reach=open wetland,but creek very channelized down middle with gravels predo

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: Ootsanee C.
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 73001 Map: 93F.073 Reach #: 18

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
7	506	93F.082		200	HC	FT	☒

Date: 1997/10/04 Time: 10:45 Agency: C016 Crew: SR/MJ

CHANNEL

Channel Width (m)	HC	2.2	2.6	1.8	1.9	2.3			
Wetted Width (m)	HC	1.8	1.4	1.1	0.8	1.7			
Pool Depth (m)	MS	0.3	0.2	0.3					

Method I	5.5	5.0	C
Method II	4.5		C

Wb Depth: 0.4 0.4
Stage: ☒ L ☐ M ☐ H
No Vis.Ch. ☐ Intermittent ☐
Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS
Method: GE
Temp. 4.3 Method: T3
pH 7.6 Method: P2

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

COVER

COVER Total 40 %

20	45		10	10	15	

1 1-20%

LWD A
DIST E

INTREAM VEG ☒ N ☐ A ☐ M ☐ V

Site Card

03-Mar-98

LB SHP	V	RIP	C
Texture	[x] F [x] G [ ] C [ ] B [ ] R [ ] A	STG	MF
RB SHP	V	RIP	C
Texture	[x] F [x] G [ ] C [ ] B [ ] R [ ] A	STG	MF

MORPHOLOGY

BED MATERIAL Dominant: G Subdom: F

D95: 9 D (cm): 3 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
[ ]	[ ]	[ ]	[ ]	[ ]	[x]	[ ]

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Pattern: SI

Islands: N

Bars: [ ] N [ ] D [x] P [ ] M [ ] T [ ] L

Coupling: PC

Confinement: CO

EEATURE

NID Number: 507 NID Map #: 93F.082

TYPE: F Height: 12 Method: HC Length: Method: GE

Roll #: 26 Frame #: 7 Comment: falls definitely impassable - no fish above

UTM (zone/easting/northing) Method

NS

FSZ TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 26	F	5	ST	U	1048
R 26	F	6	ST	D	1049
R 26	F	7	ST	U	1115-photo of falls in feature section

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	RB	abundant LWD/SWD cover over pools
Spawining Habitat	P	G	RB	excellent gravels - uniform - almost 100% of sut
OverWinter Habitat	P	G	RB	
Cover	P	G	RB	
Other				

WILDLIFE

Site Card

03-Mar-98

C O M M E N T

Section	Comments
SITE CARD	site = 200m below falls. about 300m below upper reach boundary
COVER	LWD is abundant, originating mainly as windthrow over channel
COVER	very deep, defined gully, v-shaped
COVER	LWD-dependant pools abundant
COVER	v. nice creek in this reach
COVER	fish abundant immediately below falls

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name: Ootsanee C.
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 73001 Map: 93F.073 Reach #: 18

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
8	508	93F.082		120	HC	FT	☒

Date: 1997/10/04 Time: 11:30 Agency: C016 Crew: SR/MJ

CHANNEL

Channel Width (m)	HC	2.1	2.3	1.8	1.7	2.3			
Wetted Width (m)	HC	0.9	0.8	0.8	1.2	1.7			
Pool Depth (m)	MS	0.2	0.2	0.3					

Method I	5.0	5.5	C
Method II	5.0		C

Wb Depth: 0.3 0.3 0.35
Stage: ☒ L ☐ M ☐ H
No Vis.Ch. ☐ Intermittent ☐
Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS:
Method: GE
Req #:
EMS:
Temp. 4.3 Method: T3
Cond. 80 Method: S4
pH 7.6 Method: P2
Turb. ☐ T ☐ M ☐ L ☒ C Method: GE

COVER

COVER Total 30 %

20	30	30	5	15		

1 1-20%

LWD: A
DIST: C
INTREAM VEG ☒ N ☐ A ☐ M ☐ V

Site Card

03-Mar-98

LB SHP V — **RIP** C

Texture [x] F [ ] G [x] C [ ] B [ ] R [ ] A — **STG** MF

RB SHP V — **RIP** C

Texture [x] F [ ] G [x] C [ ] B [ ] R [ ] A — **STG** MF

MORPHOLOGY

BED MATERIAL Dominant: C Subdom: G

D95: 35 D (cm): 6 Morph: SP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Pattern ST

Islands N

Bars [ ] N [ ] D [x] P [ ] M [ ] T [ ] L

Coupling PC

Confinement FC

FEATURE

FSZ TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 26	F	8	ST	D	1130
R 26	F	9	ST	U	1131

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	RB	esp below steps, among large cobble
Spawning Habitat	P	P	RB	substrate too large
OverWinter Habitat	P	G	RB	
Cover	P	G	RB	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=from falls to end of reach
MORPHOLOGY	different substrate (larger) than below falls, even though same reach
COVER	most habitat in step-pools, abundant
COVER	LWD originates as windthrow from gully

Site Card

03-Mar-98

PROJECT

Project Name	Burns Lake	Project Code	06-FRAN-0000-0004-1996
Stream Name (gaz.)	CHESLATTA RIVER		
Project Watershed Code	180-545300-00000-00000-0000-0000-000-000-000-000-000-000		

WATERSHED

Gazetted Name		Local Name	Dotsanee C.
Watershed Code	000-000000-00000-00000-0000-0000-000-000-000-000-000-000		

ILP 73001 Map 93F.073 Reach # 19

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
9	509	93F.062		100	HC	FT	☒

Date 1997/10/04 Time 11:50 Agency C016 Crew SR/MJ

CHANNEL

Channel Width (m)	HC	2.2	2.3	1.8	1.9	1.9			
Wetted Width (m)	HC	2.0	1.9	1.6	1.1	1.2			
Pool Depth (m)	MS	0.1	0.1	0.2					

Method I	0.5	1.5	C
Method II	1.0	2.0	C

Wb Depth 0.25 0.3 0.3

Stage ☒ L ☐ M ☐ H

No Vis.Ch. ☐ Intermittent ☐

Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS Method: GE

Temp. 6.8 Method: T3

pH 7.4 Method: P2

Req # EMS

Cond. 84 Method: S4

Turb. ☐ T ☐ M ☐ L ☒ C Method: GE

COVER

COVER Total 20 %

5	15	5	10	5	55	5

2 21-40%

LWD F

DIST C

INTREAM VEG ☐ N ☐ A ☐ M ☒ V

Site Card

03-Mar-98

LB SHP	S	RIP	C
Texture	[x] F [ ] G [ ] C [ ] B [ ] R [ ] A	STG	MF
RB SHP	S	RIP	C
Texture	[x] F [ ] G [ ] C [ ] B [ ] R [ ] A	STG	MF

MORPHOLOGY

BED MATERIAL Dominant: F Subdom: C

D95: 10 D (cm): 2 Morph: RP

DISTURBANCE INDICATORS O1 B1 B2 B3 D1 D2 D3

C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

Pattern	ST
Islands	N
Bars	[x] N [ ] D [ ] P [ ] M [ ] T [ ] L
Coupling	PC
Confinement	FC

FEATURE

FSZ TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 26	F	10	ST	U	1152
R 26	F	11	ST	D	1153

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawining Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site= 100m d/s from Ligityuz Lake
COVER	v. low gradient, flat topography, lots of deciduous overstream vegetation immed.
CHANNEL	very shallow- lacks deep water, good flow
COVER	immed rip zone = willow shrub

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 73002 Map: 93F.073 Reach #: 1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
10	510	93F.073		200	HC	FT	☒

Date: 1997/09/25 Time: 09:50 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)	HC	1.2	1.5	0.9	0.8	1.7		
Wetted Width (m)	HC	0.3	0.5	0.5	0.4	0.4		
Pool Depth (m)	MS	0.1	0.2	0.1				

Method I	13.0	14.0	C
Method II	13.0	15.0	C

Wb Depth: 0.15 0.2 0.2
Stage: ☒ L ☐ M ☐ H
No Vis.Ch. ☐ Intermittent ☐
Dw. ☐ Tribs. ☐

WATER

FLOOD SIGNS
Method: GE
Req #
EMS
Temp. 6.9 Method: T3
Cond. 151 Method: S4
pH 7.6 Method: P2
Turb. ☐ T ☐ M ☐ L ☒ C Method: GE

COVER

COVER Total 40 %

10		5	60		25	

1 1-20%

LWD F
DIST E
INTREAM VEG ☒ N ☐ A ☐ M ☐ V

Site Card

03-Mar-98

LB SHP ☐ RIP ☐

Texture ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A STG ☐

RB SHP ☐ RIP ☐

Texture ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A STG ☐

MORPHOLOGY

BED MATERIAL Dominant: ☐ Subdom: ☐

D95: ☐ D (cm): ☐ Morph: ☐

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Pattern ☐

Islands ☐

Bars ☐ N ☐ D ☐ P ☐ M ☐ T ☐ L

Coupling ☐

Confinement ☐

FEATURE

FSZ TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

PHOTO DOCUMENTATION

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawining Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=50m u/s from mouth
CHANNEL	no channel present in this location

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP: 73005 Map: 93F.073 Reach #: 1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
12	512	93F.073		75	HC	FT	

Date: 1997/09/25 Time: 13:30 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)
Wetted Width (m)
Pool Depth (m)

Method I
Method II

Wb Depth
Stage: L M H
No Vis.Ch.: ☒ Intermittent:
Dw: Tribs.:

WATER

FLOOD SIGNS
Method:
Req #:
EMS:
Temp. Method:
Cond. Method:
pH Method:
Turb. T M L C Method: GE

COVER

COVER Total %

LWD
DIST

INTREAM VEG. N A M V

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP: 83010 Map: 93F.083 Reach #: 8

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
24	525	93F.083		100	HC	FT	☒

Date: 1997/10/04 Time: 13:50 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)	HC	4.5							
Wetted Width (m)	HC	1.9							
Pool Depth (m)	MS	0.1	0.2	0.1					

Method I	0.5	1.0	C
Method II	1.0	1.0	C

Wb Depth: 0.2 0.25 0.2
Stage: ☒ L ☐ M ☐ H
No Vis.Ch. ☐ Intermittent ☐
Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS: Method: GE
Req #:
EMS:
Temp. 8 Method: T3
Cond. 80 Method: S4
pH 7.3 Method: P2
Turb. ☐ T ☐ M ☐ L ☒ C Method: GE

COVER

COVER Total 30 %

5		15			75	5

1 1:20%

LWD F
DIST E
INTREAM VEG ☐ N ☒ A ☒ M ☒ V

Site Card

03-Mar-98

LB SHP	S	RIP	C
Texture	[x] F [x] G [ ] C [ ] B [ ] R [ ] A	STG	YF
RB SHP	S	RIP	C
Texture	[x] F [x] G [ ] C [ ] B [ ] R [ ] A	STG	YF

MORPHOLOGY

BED MATERIAL Dominant: G Subdom: C

D95: 25 D (cm): 2 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
[ ]	[x]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Pattern	IR
Islands	N
Bars	[x] N [ ] D [ ] P [ ] M [ ] T [ ] L
Coupling	DC
Confinement	UN

FEATURE

FSZ TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 9	F	18	ST	U	1358
R 9	F	19	ST	D	1359

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	F	TR	
Spawining Habitat	P	G	TR	
OverWinter Habitat	P	P	TR	
Cover	P	F	TR	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=120m u/s from Getzuni L.
CHANNEL	stream very shallow and lacks significant pools
MORPHOLOGY	reach b/w two lakes, low gradient, low energy
WATER	abundant algal blooms/reproductive activity in water

Site Card

03-Mar-98

LB SHP ☐ RIP ☐

Texture ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A STG ☐

RB SHP ☐ RIP ☐

Texture ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A STG ☐

MORPHOLOGY

BED MATERIAL Dominant ☐ Subdom. ☐

D95 ____ D (cm) ____ Morph ____

DISTURBANCE INDICATORS O1 ☐ B1 ☐ B2 ☐ B3 ☐ D1 ☐ D2 ☐ D3 ☐

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

Pattern ☐

Islands ☐

Bars ☐ N ☐ D ☐ P ☐ M ☐ T ☐ L

Coupling ☐

Confinement ☐

FEATURE

FSZ TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

PHOTO DOCUMENTATION

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawining Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=50m u/s from mouth
CHANNEL	no channel present in this location

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 73006 Map: 93F.073 Reach #: 3

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
13	513	93F.073		40	HC	V4	

Date: 1997/09/25 Time: 14:40 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)	HC	0.3							
Wetted Width (m)		0.0							
Pool Depth (m)		0.0							

Method I: 14.0 13.0
Method II: 14.0

Wb Depth: 0.25 0.2 0.15
Stage: [X] L [ ] M [ ] H
No Vis.Ch.: [ ] Intermittent: [ ]
Dw: [X] Tribs.: [ ]

WATER

FLOOD SIGNS: Method:
Temp.: Method:
pH: Method:
Req #:
EMS:
Cond.: Method:
Turb.: [ ] T [ ] M [ ] L [ ] C Method: GE

COVER

COVER Total: 20 %

30		10			60	

1	1-20%

LWD: N
DIST: NA
INTREAM VEG: [X] N [ ] A [ ] M [ ] V

Site Card

03-Mar-98

LB SHP S | **RIP** C

Texture [x] F [x] G [x] C [ ] B [ ] R [ ] A | **STG** PS

RB SHP S | **RIP** C

Texture [x] F [x] G [x] C [ ] B [ ] R [ ] A | **STG** PS

MORPHOLOGY

BED MATERIAL Dominant: C Subdom: G

D95: 25 D (cm): 15 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
[x]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Pattern Si

Islands N

Bars [x] N [ ] D [ ] P [ ] M [ ] T [ ] L

Coupling DC

Confinement OC

FEATURE

FSZ TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 7	F	22	ST	U	1437
R 7	F	23	ST	D	1438

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawining Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=150m u/s from road x-ing
COVER	no fish habitat available
CHANNEL	creek is tiny and seasonal - no water present

Site Card

03-Mar-98

PROJECT

Project Name	Burns Lake	Project Code	06-FRAN-0000-0004-1996
Stream Name (gaz.)	CHESLATTA RIVER		
Project Watershed Code	160-545300-00000-00000-0000-0000-000-000-000-000-000-000		

WATERSHED

Gazetted Name: | Local Name:

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

ILP: 73007 Map: 93F.073 Reach #: 1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
14	514	93F.073		340	HC	FT	☒

Date: 1997/09/25 Time: 15:55 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)	GE	1.0							
Wetted Width (m)	GE	1.0							
Pool Depth (m)	MS	1.5							

Method I	0.5	0.5	C
Method II			C

Wb Depth: 1.8

Stage: ☒ L ☐ M ☐ H

No Vis.Ch. ☐ Intermittent ☐

Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS: | Method: GE

Req #:

EMS:

Temp. 10 Method: T3

Cond. 101 Method: S4

pH 7.1 Method: P2

Turb. ☐ T ☐ M ☒ L ☐ C Method: GE

COVER

COVER Total 60 %

			5	75	20	

1 1-20%

LWD: N

DIST: NA

INTREAM VEG- ☒ N ☐ A ☐ M ☐ V

Site Card

03-Mar-98

LB SHP U — **RIP** W

Texture [X] F [ ] G [ ] C [ ] B [ ] R [ ] A — **STG** [ ]

RB SHP U — **RIP** W

Texture [X] F [ ] G [ ] C [ ] B [ ] R [ ] A — **STG** [ ]

MORPHOLOGY

BED MATERIAL Dominant: F Subdom: NA

D95: 0.1 D (cm): 0.1 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Pattern IM

Islands F

Bars [X] N [ ] D [ ] P [ ] M [ ] T [ ] L

Coupling DC

Confinement UN

FEATURE

FSZ TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo		Foc Lg	Dir	Comments
R 8	F	3	ST	U 1554-general photo for reach

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	P	TR	numerous, stagnant , filmy BD pools
Spawining Habitat	P	P	TR	
OverWinter Habitat	P	P	TR	
Cover	P	P	TR	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=50m u/s from mouth with Ootsanee C.
WATER	water is tea-coloured, smelly, blue & green algae on surface
CHANNEL	water collected in extensive BD pools, estimated 20-40m wide
CHANNEL	accessible to fish from Ootsanee during spring. At present, no outflow noted
CHANNEL	no defined channel present, classified more as open water wetland, flooded woo

Site Card

03-Mar-98

PROJECT

Project Name	Burns Lake	Project Code	06-FRAN-0000-0004-1998
Stream Name (gaz.)	CHESLATTA RIVER		
Project Watershed Code	180-545300-00000-00000-0000-0000-000-000-000-000-000-000		

WATERSHED

Gazetted Name		Local Name	
Watershed Code	000-000000-00000-00000-0000-0000-000-000-000-000-000-000		
ILP	73008	Map	93F.073
Reach #	1		

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
15	515	93F.073		220	HC	FT	☒

Date	1997/09/22	Time	15:20	Agency	C016	Crew	MJ/SB

CHANNEL

Channel Width (m)	HC	0.8						
Wetted Width (m)	HC	0.6						
Pool Depth (m)	MS	0.2	0.1	0.3	0.1	0.2		

Method I	2.0	1.5	C
Method II	2.5	2.5	C

Wb Depth	0.5	0.4	0.5

Stage ☒ L ☐ M ☐ H

No Vis.Ch. ☐ Intermittent ☐

Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS		Method:	GE	Req #	
				EMS	
Temp.	7.3	Method:	T3	Cond.	137
pH	7.6	Method:	P2	Turb.	☐ T ☐ M ☐ L ☒ C

Method: GE

COVER

COVER Total 80 %

10			60	20	10	

3	41-70%

LWD	N
DIST	NA

INTREAM VEG ☒ N ☐ A ☐ M ☐ V

Site Card

03-Mar-98

LB SHP U **RIP** C

Texture [x] F [x] G [ ] C [ ] B [ ] R [ ] A **STG** MF

RB SHP U **RIP** C

Texture [x] F [x] G [ ] C [ ] B [ ] R [ ] A **STG** MF

MORPHOLOGY

BED MATERIAL Dominant: G Subdom: F

D95: 7 D (cm): 4 Morph: RP

DISTURBANCE INDICATORS O1 [ ] B1 [ ] B2 [ ] B3 [ ] D1 [ ] D2 [ ] D3 [ ]

C1 [ ] C2 [ ] C3 [ ] C4 [ ] C5 [ ] S1 [ ] S2 [ ] S3 [ ] S4 [ ] S5 [ ]

Pattern IR

Islands N

Bars [x] N [ ] D [ ] P [ ] M [ ] T [ ] L

Coupling DC

Confinement UN

FEATURE

FSZ TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 8	F	1	ST	U	1527
R 8	F	2	ST	D	1527 (camera case as scale)

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	F	TR	
Spawining Habitat	P	M	TR	
OverWinter Habitat	P	P	TR	
Cover	P	G	TR	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=150m u/s from mouth with 73007
WATER	water tea-coloured
MORPHOLOGY	fines are 75% organics

Site Card

03-Mar-98

PROJECT

Project Name	Burns Lake	Project Code	06-FRAN-0000-0004-1998
Stream Name (gaz.)	CHESLATTA RIVER		
Project Watershed Code	180-545300-00000-00000-0000-0000-000-000-000-000-000-000		

WATERSHED

Gazetted Name		Local Name	
Watershed Code	000-000000-00000-00000-0000-0000-000-000-000-000-000-000		
ILP	73011	Map	93F.073
Reach #	2		

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
16	516	93F.073		50	HC	V4	

Date	1997/09/25	Time	16:55	Agency	C016	Crew	MJ/SB

CHANNEL

Channel Width (m)	HC	0.3							
Wetted Width (m)	HC	0.3							
Pool Depth (m)	MS	0.1	0.1	0.1	0.1	0.2	0.5	0.1	

Method I	7.0	8.0	C
Method II	6.0	7.0	C

Wb Depth	0.1	0.15	0.1

Stage [x] L [ ] M [ ] H

No Vis.Ch. [ ] Intermittent [ ]

Dw [ ] Tribs. [ ]

WATER

FLOOD SIGNS		Method:	GE	Req #	
				EMS	
Temp.	8.1	Method:	T3	Cond.	113
pH		Method:	NS	Turb.	[ ] T [ ] M [ ] L [x] C

Method: GE

COVER

COVER Total 50 %

			25	25	50	

1	1-20%

LWD	N	INTREAM VEG	[x] N [ ] A [ ] M [ ] V
DIST	NA		

Site Card

03-Mar-98

LB SHP U | **RIP** C
Texture [x] F [x] G [x] C [ ] B [ ] R [ ] A | **STG** MF

RB SHP S | **RIP** C
Texture [x] F [x] G [x] C [ ] B [ ] R [ ] A | **STG** MF

MORPHOLOGY

BED MATERIAL Dominant: C Subdom: G
D95: 10 D (cm): 1 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Pattern SI
Islands N
Bars [x] N [ ] D [ ] P [ ] M [ ] T [ ] L
Coupling DC
Confinement UN

FEATURE

FSZ TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 8	F	6	ST	D	1708
R 8	F	7	ST	U	1709

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	P	TR	headwater reach, very shallow, little habitat avail
Spawining Habitat	P	P	TR	
OverWinter Habitat	P	P	TR	
Cover	P	P	TR	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=350m u/s from mouth
MORPHOLOGY	headwater reach, very low energy reach
MORPHOLOGY	fines substrate=100% organics

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1996
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP: 73015 Map: 93F.073 Reach #: 2

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
17	517	93F.083		160	HC	V4	

Date: 1997/09/28 Time: 09:10 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)	HC	0.8							
Wetted Width (m)	HC	0.0							
Pool Depth (m)	MS	0.0							

Method I	5.5	6.0	C
Method II	7.0		C

Wb Depth: 0.2 0.25 0.2
Stage: [X] L [ ] M [ ] H
No Vis.Ch. [ ] Intermittent [ ]
Dw [X] Tribs. [ ]

WATER

FLOOD SIGNS: Method: GE
Req #:
EMS:
Temp. 7.4 Method: T3
Cond. 135 Method: S4
pH: Method: NS
Turb. [ ] T [ ] M [ ] L [X] C Method: GE

COVER

COVER Total 70 %

20			10		70	

3 41-70%

LWD: N
DIST: NA
INTREAM VEG [ ] N [ ] A [X] M [ ] V

Site Card

03-Mar-98

LB SHP V — **RIP** C

Texture ☐ F ☒ G ☒ C ☐ B ☐ R ☐ A — **STG** MF

RB SHP V — **RIP** C

Texture ☐ F ☒ G ☒ C ☐ B ☐ R ☐ A — **STG** MF

MORPHOLOGY

BED MATERIAL Dominant: C Subdom: G

D95: 15 D (cm): 2 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Pattern SI

Islands N

Bars ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L

Coupling DC

Confinement OC

FEATURE

FSZ TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

PHOTO DOCUMENTATION

Photo		Foc Lg	Dir	Comments
R 9	F	5	ST	U 907

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	P	TR	no fish habitat available
Spawining Habitat	P	P	TR	
OverWinter Habitat	P	P	TR	
Cover	P	F	TR	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=150m u/s from road x-ing
MORPHOLOGY	occasional trickle among gravel/cobble
COVER	no fish habitat available

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1996
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 83006 Map: 93F.083 Reach #: 2

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
18	518	93F.083		130	HC	FT	☒

Date: 1997/09/27 Time: 09:45 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)	HC	1.7	2.1	1.6	1.1	2.2	1.8		
Wetted Width (m)	HC	1.2	0.7	0.8	1.0	1.8	1.5		
Pool Depth (m)	MS	0.2	0.2	0.1	0.2	0.3	0.2		

Method I	5.0	5.5	C
Method II	6.0	5.0	C

Wb Depth: 0.3 0.35 0.4
Stage: ☒ L ☐ M ☐ H
No Vis.Ch. ☐ Intermittent ☐
Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS
Req #
Method: GE EMS
Temp. 7.1 Method: T3 Cond. 99 Method: S4
pH Method: NS Turb. ☐ T ☐ M ☐ L ☒ C Method: GE

COVER

COVER Total 60 %

15	10	5	10		60	

3 41-70%

LWD F
DIST E
INTREAM VEG. ☒ N ☐ A ☐ M ☐ V

Site Card

03-Mar-98

LB SHP S — **RIP** C

Texture ☐ F ☒ G ☒ C ☐ B ☐ R ☐ A — **STG** MF

RB SHP S — **RIP** C

Texture ☐ F ☒ G ☒ C ☐ B ☐ R ☐ A — **STG** MF

MORPHOLOGY

BED MATERIAL Dominant: G Subdom: C

D95: 20 D (cm): 10 Morph: RP

DISTURBANCE INDICATORS O1 ☐ B1 ☐ B2 ☐ B3 ☐ D1 ☐ D2 ☐ D3 ☐

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

Pattern SI

Islands N

Bars ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L

Coupling DC

Confinement OC

FEATURE

FSZ TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R9	F	6	ST	D	942
R9	F	7	ST	U	943

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	RB	lake-fed creek ensures steady flow, little fluctuat
Spawining Habitat	P	G	RB	
OverWinter Habitat	P	P	RB	
Cover	P	G	RB	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=70m u/s from road x-ing
COVER	many shallow pools (not deep) utilized by fry/juveniles
COVER	LWD is logging-related
COVER	"boulder"=cobble cover

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP: 83006 Map: 93F.083 Reach #: 3

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
19	519	93F.083		600	HC	FT	☒

Date: 1997/10/04 Time: 09:50 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)	HC	0.9						
Wetted Width (m)	HC	0.9						
Pool Depth (m)	MS	0.1	0.2	0.1	0.3	0.2	0.1	

Method I	1.5	2.0	C
Method II	1.5	1.5	C

Wb Depth: 0.25 0.3 0.2
Stage: ☒ L ☐ M ☐ H
No Vis.Ch. ☑ Intermittent ☐
Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS: Method: GE
Req #:
EMS:
Temp. 5.2 Method: T3
Cond. 54 Method: S4
pH: Method: NS
Turb. ☐ T ☐ M ☐ L ☒ C Method: GE

COVER

COVER Total 70 %

10			5	25	60	

1 1-20%

LWD: N
DIST: NA
INTREAM VEG. ☒ N ☐ A ☐ M ☐ V

Site Card

05-Mar-98

LB SHP [S] RIP [W]

Texture [x] F [x] G [ ] C [ ] B [ ] R [ ] A STG [ ]

RB SHP [S] RIP [W]

Texture [x] F [x] G [ ] C [ ] B [ ] R [ ] A STG [ ]

MORPHOLOGY

BED MATERIAL Dominant: [G] Subdom: [F]

D95: [7] D (cm): [1] Morph: [RP]

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
[x]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Pattern [IM]

Islands [N]

Bars [x] N [ ] D [ ] P [ ] M [ ] T [ ] L

Coupling [DC]

Confinement [UN]

FEATURE

NID Number: 520 NID Map #: 93F.083

TYPE: BD Height: 0.7 Method: HC Length: [ ] Method: HC

Roll #: 9 Frame #: 11 Comment: 937 -old BD at lake outlet - raised level. Passable

UTM (zone/easting/northing) Method

[ ] [ ] [ ] NS

FSZ TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo			Foc.Lg	Dir	Comments
R 9	F	11	ST	U	937. photo of BD in "features"
R 9	F	12	ST	U	946
R 9	F	13	ST	D	948

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	TR	
Spawining Habitat	P	P	TR	gravels are angular, not suitable spawning subs
OverWinter Habitat	P	P	TR	
Cover	P	M	TR	
Other				

WILDLIFE

Site Card

03-Mar-98

COMMENT

Section	Comments
SITE CARD	site=250m d/s from lake
MORPHOLOGY	shallow creek with gravel substrate dominating entire length
MORPHOLOGY	flow regulated by old BD at lake outlet - semi-permanent. Water flows through
MORPHOLOGY	lower 100m of reach slightly different - substrate=fines/organics and channel m

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 83006 Map: 93F.083 Reach #: 5

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
20	521	93F.083		120	HC	FT	

Date: 1997/10/04 Time: 10:20 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)
Wetted Width (m)
Pool Depth (m)

Method I
Method II

Wb Depth
Stage ☐ L ☐ M ☐ H
No Vis.Ch. ☒ Intermittent ☐
Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS
Method:
Temp. Method:
pH Method:

Req #
EMS
Cond. Method:
Turb. ☐ T ☐ M ☐ L ☐ C Method: GE

COVER

COVER Total %

LWD
DIST

INTREAM VEG ☐ N ☐ A ☐ M ☐ V

Site Card

03-Mar-98

LB SHP		RIP	
Texture	F G C B R A	STG	
RB SHP		RIP	
Texture	F G C B R A	STG	

MORPHOLOGY

BED MATERIAL	Dominant:	Subdom:	DISTURBANCE INDICATORS	O1 B1 B2 B3 D1 D2 D3
D95:	D (cm):	Morph:		C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

Pattern	
Islands	
Bars	N D P M T L
Coupling	
Confinement	

FEATURE

FSZ TRIB SC FC SWP/SLG FL/BV

PHOTO DOCUMENTATION

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawining Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=160m u/s from mouth
CHANNEL	no channel visible at this location - no creek present

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 83009 Map: 93F.083 Reach #: 1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
21	522	93F.083		300	HC	V4	

Date: 1997/09/27 Time: 10:10 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m):
Wetted Width (m):
Pool Depth (m):

Method I:
Method II:

Wb Depth:
Stage: L M H
No Vis.Ch.: ☒ Intermittent:
Dw: Tribs.:

WATER

FLOOD SIGNS: Method:
Temp.: Method:
pH: Method:

Req #:
EMS:
Cond.: Method:
Turb.: T M L C Method: GE

COVER

COVER Total: %

LWD:
DIST:

INTREAM VEG: N A M V

Site Card

03-Mar-98

LB SHP		RIP	
Texture	F G C B R A	STG	
RB SHP		RIP	
Texture	F G C B R A	STG	

MORPHOLOGY

BED MATERIAL	Dominant:	Subdom:	
D95:	D (cm):	Morph:	

DISTURBANCE INDICATORS: O1 B1 B2 B3 D1 D2 D3

C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

Pattern	
Islands	
Bars	N D P M T L
Coupling	
Confinement	

FEATURE

FSZ TRIB SC FC SWP/SLG FL/BV

PHOTO DOCUMENTATION

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawining Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=100m d/s from road x-ing
CHANNEL	no channel visible - not a creek.

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 83010 Map: 93F.083 Reach #: 2

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
22	523	93F.083		50	HC	V4	☒

Date: 1997/09/28 Time: 10:45 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)	HC	2.1	2.3	1.8	2.6	2.2			
Wetted Width (m)	HC	0.7	0.4	1.0	1.2	0.3			
Pool Depth (m)	MS	0.2	0.3	0.2					

Method I	1.0	1.5	C
Method II	0.5	1.0	C

Wb Depth: 0.25 0.3 0.25
Stage: ☒ L ☐ M ☐ H
No Vis.Ch. ☐ Intermittent ☐
Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS
Method: GE
Temp. 6.9 Method: T3
pH Method: NS

Req #
EMS
Cond. 175 Method: S4
Turb. ☐ T ☐ M ☐ L ☒ C Method: GE

COVER

COVER Total 80 %

	5		5	30	50	10

1 1-20%

LWD F
DIST E
INTREAM VEG ☐ N ☐ A ☐ M ☒ V

Site Card

03-Mar-98

LB SHP	S	RIP	C
Texture	☐ F ☒ G ☒ C ☐ B ☐ R ☐ A	STG	PS
RB SHP	S	RIP	C
Texture	☐ F ☒ G ☒ C ☐ B ☐ R ☐ A	STG	MF

MORPHOLOGY

BED MATERIAL Dominant: G Subdom: C

D95: 17 D (cm): 1 Morph: RP

DISTURBANCE INDICATORS O1 B1 B2 B3 D1 D2 D3

C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

Pattern	IR
Islands	N
Bars	☒ N ☐ D ☐ P ☐ M ☐ T ☐ L
Coupling	DC
Confinement	OC

FEATURE

FSZ TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 9	F	8	ST	U	1036
R 9	F	9	ST	D	1037

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	LKC	
Spawining Habitat	P	G	LKC	
OverWinter Habitat	P	P	LKC/RB	
Cover	P	G	LKC	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=130m d/s from road x-ing
WATER	water tea-coloured

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 83010 Map: 93F.083 Reach #: 3

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
23	524	93F.083		140	HC	FT	☒

Date: 1997/09/28 Time: 11:00 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)	GE	2.5	3.0	3.0	2.5				
Wetted Width (m)	GE	2.5	3.0	3.0	2.5				
Pool Depth (m)	MS	0.8	0.9	1.0	1.0	1.0	0.9		

Method I	0.5	0.5	C
Method II	0.5	0.5	C

Wb Depth: 1.1 1.1 1.1
Stage: ☐ L ☒ M ☐ H
No Vis.Ch. ☐ Intermittent ☐
Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS: Method: GE
Req #:
EMS:
Temp. 8 Method: T3
Cond. 214 Method: S4
pH: Method: NS
Turb. ☐ T ☐ M ☒ L ☐ C Method: GE

COVER

COVER Total 80 %

				90		10

0 0%

LWD N
DIST NA
INTREAM VEG ☐ N ☐ A ☐ M ☒ V

Site Card

03-Mar-98

LB SHP	S	RIP	W
Texture	[X] F [ ] G [ ] C [ ] B [ ] R [ ] A	STG	
RB SHP	S	RIP	W
Texture	[X] F [ ] G [ ] C [ ] B [ ] R [ ] A	STG	

MORPHOLOGY

BED MATERIAL Dominant: F Subdom: NA

D95: 0.1 D (cm): 0.1 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Pattern	IM
Islands	N
Bars	[X] N [ ] D [ ] P [ ] M [ ] T [ ] L
Coupling	DC
Confinement	UN

FEATURE

FSZ TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo		Foc Lg	Dir	Comments
R 9	F	10	ST	U 1059

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	LKC	
Spawining Habitat	P	G	LKC	
OverWinter Habitat	P	G	LKC	
Cover	P	G	LKC	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=300m u/s from road x-ing
WATER	water tea-coloured
CHANNEL	wetland reach

Site Card

03-Mar-98

CHANNEL	uncharacteristically wide channel - scour channel? not indicative of reach d/s ch

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 83010 Map: 93F.083 Reach #: 10

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
25	526	93F.082		200	HC	FT	

Date: 1997/10/05 Time: 11:00 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)
Wetted Width (m)
Pool Depth (m)

Method I
Method II

Wb Depth
Stage L M H
No Vis.Ch. ☒ Intermittent
Dw Tribs.

WATER

FLOOD SIGNS
Method:
Temp. Method:
pH Method:

Req #
EMS
Cond. Method:
Turb. T M L C Method: GE

COVER

COVER Total %

LWD
DIST

INTREAM VEG N A M V

Site Card

03-Mar-98

LB SHP
Texture F G C B R A
RIP
STG

RB SHP
Texture F G C B R A
RIP
STG

MORPHOLOGY

BED MATERIAL Dominant: Subdom:
D95: D (cm): Morph:

DISTURBANCE INDICATORS O1 B1 B2 B3 D1 D2 D3
C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

Pattern
Islands
Bars N D P M T L
Coupling
Confinement

FEATURE

FSZ TRIB SC FC SWP/SLG FL/BV

PHOTO DOCUMENTATION

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawining Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=b/w Hewson and Edlund lakes, 300m u/s from Hewson
MORPHOLOGY	stream dissipates into wetland with no defined channel - wet ground

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 83010 Map: 93F.083 Reach #: 12

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
26	527	93F.082		150	HC	V4	

Date: 1997/10/05 Time: 11:30 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)	HC	0.6	0.7	0.6	0.8	0.4			
Wetted Width (m)	HC	0.0	0.0	0.0	0.0	0.0			
Pool Depth (m)	MS	0.0	0.0	0.0					

Method I	3.0	4.0	C
Method II	4.0	3.5	C

Wb Depth: 0.2 0.25 0.3
Stage: [X] L [ ] M [ ] H
No Vis.Ch. [ ] Intermittent [ ]
Dw [X] Tribs. [ ]

WATER

FLOOD SIGNS: Method: GE
Temp.: Method: T3
pH: Method: P2
Req #:
EMS:
Cond.: Method: S4
Turb. [ ] T [ ] M [ ] L [ ] C Method: GE

COVER

COVER Total 90 %

80				10	10	

Recommended Cover: 4 71-90%

LWD: F
DIST: E
INTREAM VEG [X] N [ ] A [ ] M [ ] V

Site Card

03-Mar-98

LB SHP	S	RIP	C
Texture	[x] F [x] G [x] C [ ] B [ ] R [ ] A	STG	MF
RB SHP	S	RIP	S
Texture	[x] F [x] G [x] C [ ] B [ ] R [ ] A	STG	

MORPHOLOGY

BED MATERIAL Dominant: F Subdom: C

D95: 10 D (cm): 0.1 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Pattern	SI
Islands	N
Bars	[x] N [ ] D [ ] P [ ] M [ ] T [ ] L
Coupling	CO
Confinement	CO

FEATURE

FSZ TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Spawining Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=150m d/s from road x-ing
COVER	abundant blowdown, but channel cover provided by deciduous
SITE CARD	no photos taken because of overgrown channel - nothing to see
SITE CARD	no fish habitat available in this reach

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP: 83011 Map: 93F.083 Reach #: 2

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
27	528	93F.083		200	HC	V4	

Date: 1997/09/28 Time: 11:35 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)
Wetted Width (m)
Pool Depth (m)

Method I
Method II

Wb Depth
Stage L M H
No Vis.Ch. ☒ Intermittent
Dw Tribs.

WATER

FLOOD SIGNS
Method:
Temp. Method:
pH Method:

Req #
EMS
Cond. Method:
Turb. T M L C Method: GE

COVER

COVER Total %

LWD
DIST

INTREAM VEG N A M V

Site Card

03-Mar-98

LB SHP ☐ RIP ☐

Texture ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A STG ☐

RB SHP ☐ RIP ☐

Texture ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A STG ☐

MORPHOLOGY

BED MATERIAL Dominant: ☐ Subdom: ☐

D95: ☐ D (cm): ☐ Morph: ☐

DISTURBANCE INDICATORS O1 ☐ B1 ☐ B2 ☐ B3 ☐ D1 ☐ D2 ☐ D3 ☐

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

Pattern ☐

Islands ☐

Bars ☐ N ☐ D ☐ P ☐ M ☐ T ☐ L

Coupling ☐

Confinement ☐

FEATURE

FSZ TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

PHOTO DOCUMENTATION

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawining Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=100m u/s from road crossing
MORPHOLOGY	no banks, no fluvial substrate, no water - not a creek

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 83012 Map: 93F.083 Reach #: 2

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
28	529	93F.083		400	HC	V4	

Date: 1997/10/04 Time: 10:50 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)
Wetted Width (m)
Pool Depth (m)

Method I
Method II

Wb Depth
Stage: L M H
No Vis.Ch.: ☒ Intermittent:
Dw: Tribs.:

WATER

FLOOD SIGNS
Method:
Temp. Method:
pH Method:

Req #
EMS
Cond. Method:
Turb. T M L C Method: GE

COVER

COVER Total %

LWD
DIST

INTREAM VEG N A M V

Site Card

05-Mar-98

LB SHP		RIP	
Texture	F G C B R A	STG	
RB SHP		RIP	
Texture	F G C B R A	STG	

MORPHOLOGY

BED MATERIAL Dominant: Subdom:

D95: D (cm): Morph:

DISTURBANCE INDICATORS O1 B1 B2 B3 D1 D2 D3

C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

Pattern

Islands

Bars N D P M T L

Coupling

Confinement

FEATURE

FSZ TRIB SC FC SWP/SLG FL/BV

PHOTO DOCUMENTATION

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawning Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=300m d/s from road crossing in old cutblock
MORPHOLOGY	not a creek- no channel, no fluvial substrate, no banks

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 83016 Map: 93F.083 Reach #: 1

Site #	NID	Map	UTM(Zone/East/North/Method)				Site Lg	Method	Access	Fish Crd?
29	530	93F.083					75	HC	FT	☒

Date: 1997/10/04 Time: 14:45 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)	HC	1.8							
Wetted Width (m)	HC	1.2							
Pool Depth (m)	MS	0.4	0.2	0.4					

Method I	0.5	1.0	C
Method II	0.5	0.5	C

Wb Depth: 0.6 0.4 0.5
Stage: ☒ L ☐ M ☐ H
No Vis.Ch. ☐ Intermittent ☐
Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS
Method: GE
Req #:
EMS
Temp. 5.5 Method: T3
Cond. 96 Method: S4
pH Method: NS
Turb. ☐ T ☐ M ☐ L ☒ C Method: GE

COVER

COVER Total 75 %

5			5	20	20	50

1 1-20%

LWD F
DIST E
INTREAM VEG. ☐ N ☒ A ☒ M ☒ V

Site Card

03-Mar-98

LB SHP	S	RIP	W
Texture	[x] F [ ] G [ ] C [ ] B [ ] R [ ] A	STG	
RB SHP	S	RIP	W
Texture	[x] F [ ] G [ ] C [ ] B [ ] R [ ] A	STG	

MORPHOLOGY

BED MATERIAL	Dominant: F	Subdom: NA	
D95: 1	D (cm): 1	Morph: RP	

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Pattern	IR
Islands	O
Bars	[x] N [ ] D [ ] P [ ] M [ ] T [ ] L
Coupling	DC
Confinement	UN

FEATURE

FSZ TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 9	F	20	ST	U	1442
R 9	F	21	ST	D	1443

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	M	LKC/RB	
Spawning Habitat	P	P	LKC/RB	
OverWinter Habitat	P	G	LKC/RB	
Cover	P	G	LKC/RB	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=75m u/s from lake (starts at lake)
MORPHOLOGY	stream has good flow

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 83016 Map: 93F.083 Reach #: 2

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
30	531	93F.083		75	HC	FT	☒

Date: 1997/10/04 Time: 15:20 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)	HC	1.4	1.1	0.8	0.9	0.7	0.9	
Wetted Width (m)	HC	1.3	1.1	0.8	0.8	0.7	0.8	
Pool Depth (m)	MS	0.2	0.5	0.3	0.2	0.2	0.3	0.3

Method I	2.5	2.0	C
Method II	2.0	1.5	C

Wb Depth: 0.4 0.3 0.4
Stage: ☐ L ☒ M ☐ H
No Vis.Ch. ☐ Intermittent ☐
Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS
Method: GE
Req #:
EMS:
Temp. 5.3 Method: T3
Cond. 102 Method: S4
pH Method: NS
Turb: ☐ T ☐ M ☒ L ☐ C Method: GE

COVER

COVER Total 50 %

5	5		40	25	20	5

3 41-70%

LWD F
DIST E
INTREAM VEG. ☐ N ☐ A ☒ M ☐ V

Site Card

03-Mar-98

LB SHP	U	RIP	C
Texture	[x] F [x] G [ ] C [ ] B [ ] R [ ] A	STG	MF
RB SHP	U	RIP	C
Texture	[x] F [x] G [ ] C [ ] B [ ] R [ ] A	STG	MF

MORPHOLOGY

BED MATERIAL Dominant: F Subdom: G

D95: 2 D (cm): 1 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Pattern IR

Islands N

Bars [x] N [ ] D [ ] P [ ] M [ ] T [ ] L

Coupling DC

Confinement UN

FEATURE

FSZ TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 9	F	23	ST	U	1522
R 10	F	1	ST	D	1525

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	RB	
Spawining Habitat	P	F	RB	very few gravel patches
OverWinter Habitat	P	M	RB	
Cover	P	G	RB	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=400m u/s from Getzuni Lake
COVER	excellent cutbank habitat - RB caught here

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 83017 Map: 93F.083 Reach #: 1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
31	532	93F.083		100	HC	FT	

Date: 1997/10/04 Time: 15:10 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m):
Wetted Width (m):
Pool Depth (m):

Method I:
Method II:

Wb Depth:
Stage: L M H
No Vis.Ch.: X Intermittent:
Dw: Tribs.:

WATER

FLOOD SIGNS: Method:
Req.#:
EMS:
Temp.: Method:
Cond.: Method:
pH: Method:
Turb.: T M L C Method: GE

COVER

COVER Total %

PIB	JUN	BRS	C	SWD	SAV	V

LWD:
DIST:
INTREAM VEG: N A M V

Site Card

05-Mar-98

LB SHP
Texture F G C B R A
RIP W
STG

RB SHP
Texture F G C B R A
RIP W
STG

MORPHOLOGY

BED MATERIAL Dominant: Subdom:
D95: D (cm): Morph:

DISTURBANCE INDICATORS O1 B1 B2 B3 D1 D2 D3
C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

Pattern
Islands
Bars N D P M T L
Coupling
Confinement

FEATURE

FSZ TRIB SC FC SWP/SLG FL/BV

PHOTO DOCUMENTATION

Photo		Foc Lg	Dir	Comments
R 9	F	22	ST	D 1512

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawining Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=80m u/s from mouth with 83016
CHANNEL	wetland reach with no defined channel - no flow, no defined banks, disconnecte

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 83019 Map: 93F.083 Reach #: 1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
32	533	93F.083		120	HC	V4	☒

Date: 1997/10/04 Time: 11:50 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)	HC	1.7	0.7	0.8	1.2	1.0	1.4	
Wetted Width (m)	HC	1.7	0.7	0.4	1.1	1.0	1.4	
Pool Depth (m)	MS	0.3	0.4	0.3	0.3	0.4		

Method I	3.0	3.0	C
Method II	3.0	2.5	C

Wb Depth: 0.5 0.5 0.4
Stage: ☒ L ☐ M ☐ H
No Vis.Ch. ☐ Intermittent ☐
Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS
Method: GE
Req #:
EMS
Temp. 5.1 Method: T3
Cond. 63 Method: S4
pH Method: NS
Turb. ☐ T ☐ M ☐ L ☒ C Method: GE

COVER

COVER Total 50 %

5	5		30	50	10	

Overhanging Veg.: 2 21-40%

LWD: F
DIST: E
INTREAM VEG ☐ N ☐ A ☒ M ☒ V

Site Card

03-Mar-98

LB SHP	U	RIP	C
Texture	[x] F [x] G [ ] C [ ] B [ ] R [ ] A	STG	MF
RB SHP	U	RIP	C
Texture	[x] F [x] G [ ] C [ ] B [ ] R [ ] A	STG	MF

MORPHOLOGY

BED MATERIAL Dominant: G Subdom: F

D95: 4 D (cm): 4 Morph: RP

DISTURBANCE INDICATORS O1 B1 B2 B3 D1 D2 D3

C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

Pattern	IM
Islands	N
Bars	[x] N [ ] D [ ] P [ ] M [ ] T [ ] L
Coupling	DC
Confinement	UN

FEATURE

FSZ TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 9	F	16	ST	U	1150
R 9	F	17	ST	D	1151

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	TR	
Spawining Habitat	P	G	TR	
OverWinter Habitat	P	G	TR	
Cover	P	G	TR	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=70m d/s from road x-ing
WATER	water is tea-coloured
COVER	clumps of instream vegetation, but <5%
CHANNEL	nice and pristine looking creek

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 83019 Map: 93F.083 Reach #: 3

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
33	534	93F.083		260	HC	V4	☒

Date: 1997/10/04 Time: 11:15 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)	HC	0.6							
Wetted Width (m)	HC	0.6							
Pool Depth (m)	MS	0.3	0.3	0.2	0.5	0.3			

Method I	3.5	4.0	C
Method II	5.0	4.5	C

Wb Depth: 0.4 0.5 0.4
Stage: ☐ L ☒ M ☐ H
No Vis.Ch. ☐ Intermittent ☐
Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS: Method: GE
Req #:
EMS:
Temp. 5 Method: T3
Cond. 66 Method: S4
pH: Method: NS
Turb. ☐ T ☐ M ☒ L ☐ C Method: GE

COVER

COVER Total 60 %

10			30	30	30	

2 21-40%

LWD: N
DIST: NA
INTREAM VEG ☒ N ☐ A ☐ M ☐ V

Site Card

05-Mar-98

LB SHP	U	RIP	C
Texture	☒ F ☒ G ☐ C ☐ B ☐ R ☐ A	STG	MF
RB SHP	U	RIP	C
Texture	☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG	MF

MORPHOLOGY

BED MATERIAL Dominant: F Subdom: NA

D95: 1 D (cm): 1 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Pattern	IR
Islands	N
Bars	☒ N ☐ D ☐ P ☐ M ☐ T ☐ L
Coupling	DC
Confinement	UN

FEATURE

FSZ TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 9	F	14	ST	D	1111
R 9	F	15	ST	U	1112

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	TR	
Spawining Habitat	P	P	TR	
OverWinter Habitat	P	P	TR	
Cover	P	G	TR	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=200m u/s from road crossing, 340m u/s from 83021

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 83023 Map: 93F.083 Reach #: 2

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
34	535	93F.082		500	HC	FT	☒

Date: 1997/10/05 Time: 09:50 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)	HC	1.6	0.5	0.9	1.1	0.8	1.3		
Wetted Width (m)	HC	1.5	0.5	0.9	1.1	0.8	1.3		
Pool Depth (m)	MS	0.3	0.4	0.4	0.3	0.5	0.2		

Method I	5.0	7.0	C
Method II	4.5	8.0	C

Wb Depth: 0.4 0.45 0.4
Stage: ☐ L ☒ M ☐ H
No Vis.Ch. ☐ Intermittent ☐
Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS: Method: GE
Req #:
EMS:
Temp. 4.2 Method: T3
Cond. 98 Method: S4
pH: Method: NS
Turb: ☐ T ☐ M ☐ L ☒ C Method: GE

COVER

COVER Total 70 %

10	5		20	60	5	

3 41-70%

LWD: F
DIST: E
INTREAM VEG ☒ N ☐ A ☐ M ☐ V

Site Card

03-Mar-98

LB SHP S — **RIP** C

Texture ☒ F ☒ G ☐ C ☐ B ☐ R ☐ A — **STG** MF

RB SHP U — **RIP** C

Texture ☒ F ☒ G ☐ C ☐ B ☐ R ☐ A — **STG** MF

MORPHOLOGY

BED MATERIAL Dominant: F Subdom: G

D95: 18 D (cm): 2 Morph: SP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Pattern SI

Islands N

Bars ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L

Coupling DC

Confinement OC

FEATURE

FSZ TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

PHOTO DOCUMENTATION

Photo		Foc Lg	Dir	Comments
R 10	F	2	ST	D 953
R 10	F	3	ST	U 954

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	TR	
Spawining Habitat	P	F	TR	many gravel patches available but incubation m
OverWinter Habitat	P	M	TR	lacks deep pools
Cover	P	G	TR	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=300m SE from cutblock landing; 700m u/s from Hewson L.
WATER	water tea-coloured
MORPHOLOGY	fines substrate =50% organics
MORPHOLOGY	overall nice creek

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 83026 Map: 93F.083 Reach #: 1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
35	536	93F.083		110	HC	V4	

Date: 1997/10/04 Time: 16:30 Agency: C016 Crew: MJ/SB

CHANNEL

Channel Width (m)
Wetted Width (m)
Pool Depth (m)

Method I
Method II

Wb Depth
Stage: L M H
No Vis.Ch. [X] Intermittent
Dw Tribs.

WATER

FLOOD SIGNS
Method:
Temp. Method:
pH Method:

Req #
EMS
Cond. Method:
Turb. T M L C Method: GE

COVER

COVER Total %

LWD
DIST

INTREAM VEG. N A M V

Site Card

03-Mar-98

LB SHP		RIP	
Texture	F G C B R A	STG	
RB SHP		RIP	
Texture	F G C B R A	STG	

MORPHOLOGY

BED MATERIAL	Dominant:	Subdom:	
D95:	D (cm):	Morph:	

DISTURBANCE INDICATORS	O1	B1	B2	B3	D1	D2	D3

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5

Pattern	
Islands	
Bars	N D P M T L
Coupling	
Confinement	

FEATURE

FSZ TRIB SC FC SWP/SLG FL/BV

PHOTO DOCUMENTATION

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawining Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=40m u/s from road x-ing
CHANNEL	no channel found

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1996
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 82015 Map: 93F.082 Reach #: 1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
36	537	93F.082		50	HC	FT	

Date: 1997/10/04 Time: 15:00 Agency: C016 Crew: SR/MJ

CHANNEL

Channel Width (m)									
Wetted Width (m)									
Pool Depth (m)									

Method I
Method II

Wb Depth
Stage L M H
No Vis.Ch. X Intermittent
Dw Tribs.

WATER

FLOOD SIGNS
Method:
Temp. Method:
pH Method:

Req # :
EMS
Cond. Method:
Turb. T M L C Method: GE

COVER

COVER Total %

LWD
DIST

INTREAM VEG. N A M V

Site Card

03-Mar-98

LB SHP ☐ RIP ☐

Texture ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A STG ☐

RB SHP ☐ RIP ☐

Texture ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A STG ☐

MORPHOLOGY

BED MATERIAL Dominant: ☐ Subdom: ☐

D95: ☐ D (cm): ☐ Morph: ☐

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Pattern ☐

Islands ☐

Bars ☐ N ☐ D ☐ P ☐ M ☐ T ☐ L

Coupling ☐

Confinement ☐

FEATURE

FSZ TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

PHOTO DOCUMENTATION

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawining Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=100m u/s from mouth
CHANNEL	no creek channel present-any water collected in this runoff dissipates into mars
COVER	no suitable fish habitat and no fish access due to lack of channel

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP: 82016 Map: 93F.082 Reach #: 1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
37	538	93F.082		100	HC	FT	

Date: 1997/10/04 Time: 15:30 Agency: C016 Crew: SR/MJ

CHANNEL

Channel Width (m):
Wetted Width (m):
Pool Depth (m):

Method I:
Method II:

Wb Depth:
Stage: L M H
No Vis.Ch.: ☒ Intermittent:
Dw: Tribs:

WATER

FLOOD SIGNS: Method:
Temp.: Method:
pH: Method:

Req #:
EMS:
Cond.: Method:
Turb.: T M L C Method: GE

COVER

COVER Total %

LWD:
DIST:

INTREAM VEG: N A M V

Site Card

03-Mar-98

LB SHP		RIP	
Texture	F G C B R A	STG	
RB SHP		RIP	
Texture	F G C B R A	STG	

MORPHOLOGY

BED MATERIAL Dominant: Subdom:

D95: D (cm): Morph:

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5

Pattern

Islands

Bars N D P M T L

Coupling

Confinement

FEATURE

FSZ TRIB SC FC SWP/SLG FL/BV

PHOTO DOCUMENTATION

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawining Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=100m u/s from mouth
CHANNEL	no channel present - any collected water dissipates into large marsh before ente
COVER	no fish habitat, no fish access due to lack of channel
SITE CARD	no photos - see marsh photo for 73001 (Ootsanee) reach 15

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1996
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 82017 Map: 93F.082 Reach #: 1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
38	539	93F.082		50	HC	FT	

Date: 1997/10/04 Time: 14:50 Agency: C016 Crew: SR/MJ

CHANNEL

Channel Width (m)	GE	0.2							
Wetted Width (m)	GE	0.1							
Pool Depth (m)	GE	0.0							

Method I	4.0	3.0	C
Method II	4.0		C

Wb Depth: 0.05 0.05
Stage: [X] L [ ] M [ ] H
No Vis.Ch. [ ] Intermittent [X]
Dw [ ] Tribs. [ ]

WATER

FLOOD SIGNS:
Method:
Req #:
EMS:
Temp. 5.8 Method: T3
Cond. 115 Method: S4
pH 7.7 Method: P2
Turb. [ ] T [ ] M [ ] L [X] C Method: GE

COVER

COVER Total 10 %

10	10				80	

2 21-40%

LWD F
DIST E
INTREAM VEG. [X] N [ ] A [ ] M [ ] V

Site Card

03-Mar-98

LB SHP S **RIP** C

Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A **STG** MF

RB SHP S **RIP** C

Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A **STG** MF

MORPHOLOGY

BED MATERIAL Dominant: F Subdom: NA

D95: 1 D (cm): 1 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
☐	☐	☐	☐	☐	☐	☐

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

Pattern IR

Islands N

Bars ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L

Coupling DC

Confinement UN

FEATURE

FSZ TRIB ☐ SC ☐ FC ☐ SWP/SLG ☐ FL/BV ☐

PHOTO DOCUMENTATION

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawining Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=120m u/s from mouth
CHANNEL	creek likely only carries water after heavy rainfall, snowmelt. Widths estimated b
MORPHOLOGY	no fluvial substrate, no banks, likely not a creek at all - no usable fish habitat; no

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP: 82018 Map: 93F.062 Reach #: 1

Site #	NID	Map	UTM(Zone/East/North/Method)				Site Lg	Method	Access	Fish Crd?
39	540	93F.062					160	HC	FT	☒

Date: 1997/10/04 Time: 09:15 Agency: C016 Crew: SR/MJ

CHANNEL

Channel Width (m)	HC	1.4	1.6	1.8	2.0	1.3		
Wetted Width (m)	HC	1.4	1.6	1.8	2.0	1.3		
Pool Depth (m)	MS	0.2	0.3	0.3				

Method I	2.0	2.5	C
Method II	2.0	2.0	C

Wb Depth: 0.3 0.35 0.3
Stage: ☐ L ☒ M ☐ H
No Vis.Ch. ☐ Intermittent ☐
Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS: Method: GE
Req #:
EMS:
Temp. 4.8 Method: T3
Cond. 95 Method: S4
pH 7.6 Method: P2
Turb. ☐ T ☐ M ☐ L ☒ C Method: GE

COVER

COVER Total 40 %

5	10		45	20	20	

1 1-20%

LWD F
DIST E
INTREAM VEG ☒ N ☐ A ☐ M ☐ V

Site Card

03-Mar-98

LB SHP	U	RIP	S
Texture	[X] F [X] G [ ] C [ ] B [ ] R [ ] A	STG	
RB SHP	U	RIP	S
Texture	[X] F [X] G [ ] C [ ] B [ ] R [ ] A	STG	

MORPHOLOGY

BED MATERIAL Dominant: G Subdom: F
D95: 10 D (cm): 5 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5

Pattern	IR
Islands	N
Bars	[ ] N [ ] D [X] P [ ] M [ ] T [ ] L
Coupling	DC
Confinement	UN

FEATURE

FSZ TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 26	F	1	ST	U	916-channel actually smaller than shown, but only photo opp here, otherwise too brushy
R 26	F	2	ST	D	917

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	RB	
Spawining Habitat	P	G	RB	
OverWinter Habitat	P	M	RB	
Cover	P	M	RB	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=180m d/s from road
CHANNEL	recent heavy rain resulted in moderate flow level
MORPHOLOGY	fast riffle flow with most rearing as refuge in cutbanks
MORPHOLOGY	nice creek with good flow/habitat - recently logged upstream

Site Card

03-Mar-98

COVER	undercut through flat, shrubby riparian zone

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 82018 Map: 93F.082 Reach #: 3

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
40	541	93F.082		85	HC	FT	☒

Date: 1997/10/04 Time: 17:00 Agency: C016 Crew: SR/MJ

CHANNEL

Channel Width (m)	GE	2.0							
Wetted Width (m)	GE	2.0							
Pool Depth (m)	MS	0.8							

Method I	0.5	0.5	C
Method II			C

Wb Depth: 1.5
Stage: ☐ L ☒ M ☐ H
No Vis.Ch. ☐ Intermittent ☐
Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS: Method: GE
Req #:
EMS:
Temp. 5.2 Method: T3
Cond. 176 Method: S4
pH 7.0 Method: P2
Turb. ☐ T ☐ M ☐ L ☒ C Method: GE

COVER

COVER Total 30 %

			10	70	20	

0 0%

LWD: N
DIST: NA
INTREAM VEG ☐ N ☐ A ☐ M ☒ V

Site Card

03-Mar-98

LB SHP	S	RIP	S
Texture	[x] F [ ] G [ ] C [ ] B [ ] R [ ] A	STG	
RB SHP	S	RIP	S
Texture	[x] F [ ] G [ ] C [ ] B [ ] R [ ] A	STG	

MORPHOLOGY

BED MATERIAL Dominant: F Subdom: G

D95: 1 D (cm): 1 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
[x]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
[ ]	[ ]	[ ]	[x]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Pattern: IM

Islands: O

Bars: [x] N [ ] D [ ] P [ ] M [ ] T [ ] L

Coupling: DC

Confinement: UN

FEATURE

FSZ TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 26	F	19	ST	D	1657
R 26	F	20	ST	U	1658

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	M	RB	esp. in deep pools
Spawining Habitat	P	P	RB	all fines
OverWinter Habitat	P	M	RB	
Cover	P	M	RB	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site=250m u/s from lower reach boundary
MORPHOLOGY	wetland reach, widths/depths estimated
COVER	fish captured d/s but not here, water too deep, fish sampling unsuccessful
MORPHOLOGY	channel braided through approx 80m wide wetland valley

Site Card

05-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 82019 Map: 93F.082 Reach #: 1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
41	542	93F.082		60	HC	FT	

Date: 1997/10/04 Time: 16:30 Agency: C016 Crew: SR/MJ

CHANNEL

Channel Width (m)	GE	0.3							
Wetted Width (m)	GE	0.1							
Pool Depth (m)	MS	0.0							

Method I	12.0	10.5	C
Method II	11.5		C

Wb Depth: 0.05 0.05
Stage: L [X] M H
No Vis.Ch.: Intermittent [X]
Dw: Tribs.:

WATER

FLOOD SIGNS: Method: GE
Temp.: 6.2 Method: T3
pH: 7.1 Method: P2

Req #:
EMS:
Cond.: 180 Method: S4
Turb.: T M L [X] C Method: GE

COVER

COVER Total: 5 %

20	30				50	

1	1-20%

LWD: A
DIST: E

INTREAM VEG: [X] N A M V

Site Card

03-Mar-98

LB SHP [S] RIP [C]
Texture [X] F [ ] G [ ] C [ ] B [ ] R [ ] A STG [MF]

RB SHP [S] RIP [C]
Texture [X] F [ ] G [ ] C [ ] B [ ] R [ ] A STG [PS]

MORPHOLOGY

BED MATERIAL Dominant: [G] Subdom: [F]
D95: [6] D (cm): [2] Morph: [RP]

DISTURBANCE INDICATORS O1 [ ] B1 [ ] B2 [ ] B3 [ ] D1 [ ] D2 [ ] D3 [ ]
C1 [ ] C2 [ ] C3 [ ] C4 [ ] C5 [ ] S1 [ ] S2 [ ] S3 [ ] S4 [ ] S5 [ ]

Pattern [IR]
Islands [N]
Bars [X] N [ ] D [ ] P [ ] M [ ] T [ ] L
Coupling [DC]
Confinement [UN]

FEATURE

ESZ [ ] TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 26	F	18	ST	U	1642 - only visible channel section

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawining Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site= from road x-ing to mouth
MORPHOLOGY	"creek" is meltwater runoff, flows intermittent/subterrannean into 82018 over ste
MORPHOLOGY	no evidence of higher flow, no significant fluvial substrate, no continuous banks
COVER	no suitable fish habitat
MORPHOLOGY	trickle of water down 15% bank

Site Card

03-Mar-98

PROJECT

Project Name: Burns Lake
Project Code: 06-FRAN-0000-0004-1998
Stream Name (gaz.): CHESLATTA RIVER
Project Watershed Code: 180-545300-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name:
Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000

ILP: 82020 Map: 93F.082 Reach #: 1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
42	543	93F.082		100	HC	FT	☒

Date: 1997/10/04 Time: 12:10 Agency: C016 Crew: SR/MJ

CHANNEL

Channel Width (m)	HC	0.7	0.6	0.8	0.6				
Wetted Width (m)	HC	0.7	0.6	0.8	0.6				
Pool Depth (m)	MS	0.1	0.1						

Method I	4.0	3.5	C
Method II	5.0		C

Wb Depth: 0.2
Stage: ☐ L ☐ M ☒ H
No Vis.Ch. ☐ Intermittent ☐
Dw ☐ Tribs. ☐

WATER

FLOOD SIGNS
Method: GE
Req #
EMS
Temp. 4.7 Method: T3
Cond. 110 Method: S4
pH 6.6 Method: P2
Turb. ☐ T ☐ M ☐ L ☒ C Method: GE

COVER

COVER Total 10 %

5			15	60	20	

2	21-40%

LWD: N
DIST: NA
INTREAM VEG ☒ N ☐ A ☐ M ☐ V

Site Card

03-Mar-98

LB SHP	S	RIP	C
Texture	[X] F [ ] G [ ] C [ ] B [ ] R [ ] A	STG	MF
RB SHP	S	RIP	C
Texture	[X] F [ ] G [ ] C [ ] B [ ] R [ ] A	STG	MF

MORPHOLOGY

BED MATERIAL Dominant: F Subdom: G

D95: 4 D (cm): 4 Morph: RP

DISTURBANCE INDICATORS

O1	B1	B2	B3	D1	D2	D3
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Pattern	IR
Islands	N
Bars	[X] N [ ] D [ ] P [ ] M [ ] T [ ] L
Coupling	DC
Confinement	UN

FEATURE

ESZ TRIB [ ] SC [ ] FC [ ] SWP/SLG [ ] FL/BV [ ]

PHOTO DOCUMENTATION

Photo			Foc Lg	Dir	Comments
R 26	F	12	ST	D	1213 (Ligityuz L. background)
R 26	F	13	ST	U	1213

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	F	RB	lacks sufficient cover, pools
Spawining Habitat	P	P	RB	no suitable substrate; likely seasonal flow
OverWinter Habitat	P	F	RB	dries up in winter
Cover	P	P	RB	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	site = 20m upstream from lake over 100m
CHANNEL	creek is high level- recent rainfall has filled to bankfull
COVER	very little cover, fast mostly riffles
COVER	immediate riparian zone = willow shrubs, overall = conifers

Site Card

14-Mar-98

MORPHOLOGY	"riffle" sections really only surface turbulence over SWD
SITE CARD	sampled to confirm fish absence above falls in reach 18 of Ootsanee Creek (IL

Appendix V: Fish Collection Cards

Fish Data Collection Form

A. Location Referencing

Gazetted Name — Alias Ootsanee C.

Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 WBID #

Reach # 1 — Interim Locational ID: — Project ID 06-FRAN-3020-0002-1998

(BCGS/NTS) Map # 93F.073 — Locational Point 73001

B. Survey Information

Survey Date 1997/09/05 to 1997/10/18 Agency C016

Crew MJ//SB/ Fish Collection Permit

General Comments

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
1	EF	6		7.9	171		C

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Act
1	EF	6	1	CAS	A		3	48	55	R
1	EF	6	1	RB	J		15	40	109	R
1	EF	6	1	RB	A		2	132	174	R

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
1	EF	6	1	09/25				117	70	2.9	O								500	60	6	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
1	EF	6	1	RB	61												
1	EF	6	1	RB	81												
1	EF	6	1	RB	46												
1	EF	6	1	RB	40												
1	EF	6	1	RB	63												
1	EF	6	1	RB	54												
1	EF	6	1	RB	46												
1	EF	6	1	RB	53												
1	EF	6	1	RB	51												
1	EF	6	1	CAS	55												
1	EF	6	1	RB	109												
1	EF	6	1	RB	88												
1	EF	6	1	RB	132												
1	EF	6	1	RB	174												
1	EF	6	1	RB	72												
1	EF	6	1	RB	101												
1	EF	6	1	RB	94												
1	EF	6	1	CAS	51												
1	EF	6	1	CAS	48												
1	EF	6	1	RB	45												

Fish Data Collection Form

A. Location Referencing

Gazetted Name — Alias Ootsanee C.

Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 WBID #

Reach # 4 — Interim Locational ID: — Project ID 06-FRAN-3020-0002-1998

(BCGS/NTS) Map # 93F.073 — Locational Point 73001

B. Survey Information

Survey Date 1997/09/05 to 1997/10/18 Agency C016

Crew MJ//SB/ Fish Collection Permit

General Comments

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
2	EF	6		8.1	171		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Act
2	EF	6	1	RB	A		1	141	141	R
2	EF	6	1	RB	J		8	46	93	R

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
2	EF	6	1	09/25				62	40	3	0								500	60	4	SMITH-ROOT	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
2	EF	6	1	RB	49												
2	EF	6	1	RB	50												
2	EF	6	1	RB	55												
2	EF	6	1	RB	52												
2	EF	6	1	RB	141												
2	EF	6	1	RB	46												
2	EF	6	1	RB	54												
2	EF	6	1	RB	93												
2	EF	6	1	RB	92												

Fish Data Collection Form

A. Location Referencing

Gazetted Name Alias Cotsanee C.
Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 WBID #
Reach # 5 Interim Locational ID: Project ID 06-FRAN-3020-0002-1998
(BCGS/NTS) Map # 93F.073 Locational Point 73001

B. Survey Information

Survey Date 1997/09/05 to 1997/10/18 Agency C016
Crew MJ/SB/ Fish Collection Permit
General Comments

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
3	EF	6		9	107		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Act
3	EF	6	1	RB	A		1	203		R
3	EF	6	1	RB	J		15	36	132	R
3	EF	6	1	LKC	J		1	41		R

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
3	EF	6	1	09/25				111	30	6.7	O								500	60	8	SMITH-ROOT	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
3	EF	6	1	RB	132												
3	EF	6	1	RB	45												
3	EF	6	1	LKC	41												
3	EF	6	1	RB	42												
3	EF	6	1	RB	50												
3	EF	6	1	RB	43												
3	EF	6	1	RB	39												
3	EF	6	1	RB	36												
3	EF	6	1	RB	36												
3	EF	6	1	RB	41												
3	EF	6	1	RB	43												
3	EF	6	1	RB	36												
3	EF	6	1	RB	39												
3	EF	6	1	RB	37												
3	EF	6	1	RB	38												
3	EF	6	1	RB	43												
3	EF	6	1	RB	203												

Fish Data Collection Form

A. Location Referencing

Gazetted Name **Alias** Ootsanee C.
Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 **WBID #**
Reach # 13 **Interim Locational ID:** **Project ID** 06-FRAN-3020-0002-1998
(BCGS/NTS) Map # 93F.073 **Locational Point** 73001

B. Survey Information

Survey Date 1997/09/05 **to** 1997/10/18 **Agency** C016
Crew SR//MJ/ **Fish Collection Permit**
General Comments
No good available sampling locations. Swamp too deep, poor access.

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
4	EF	6		6.9	110		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Act
4	EF	6	1	NFC						

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
4	EF	6	1	10/04				77	50	2	O								800	60	4	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
4	EF	6	1	NFC													

Fish Data Collection Form

A. Location Referencing

Gazetted Name **Alias** Ootsanee C.

Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 **WBID #**

Reach # 15 **Interim Locational ID:** **Project ID** 06-FRAN-3020-0002-1998

(BCGS/NTS) Map # 93F.073 **Locational Point** 73001

B. Survey Information

Survey Date 1997/09/05 **to** 1997/10/18 **Agency** C016

Crew SR/MJ// **Fish Collection Permit**

General Comments

Fast run through swamp - very channelized. Difficult to sample due to fast flow - caught fish in back channel.

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
5	EF	6		4.8	98		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Ac
5	EF	6	1	RB	J		1	47		R

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
5	EF	6	1	10/04				35	65	0.7	O								700	60	4	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
5	EF	6	1	RB	47												

Fish Data Collection Form

A. Location Referencing

Gazetted Name **Alias** Ootsanee C.
Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 **WBID #**
Reach # 17 **Interim Locational ID:** **Project ID** 06-FRAN-3020-0002-1998
(BCGS/NTS) Map # 93F.073 **Locational Point** 73001

B. Survey Information

Survey Date 1997/09/05 **to** 1997/10/18 **Agency** C016
Crew SR//MJ/ **Fish Collection Permit**
General Comments
Water not vey conductive - had to increase voltage

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
6	EF	6		4	65		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Ac
6	EF	6	1	RB	J		11	35	62	R

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
6	EF	6	1	10/04				110	85	1.2	O								800	60	4	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
6	EF	6	1	RB	42												
6	EF	6	1	RB	45												
6	EF	6	1	RB	54												
6	EF	6	1	RB	45												
6	EF	6	1	RB	62												
6	EF	6	1	RB	37												
6	EF	6	1	RB	35												
6	EF	6	1	RB	50												
6	EF	6	1	RBRB	37												
6	EF	6	1	RB	43												
6	EF	6	1	RB	52												

Fish Data Collection Form

A. Location Referencing

Gazetted Name **Alias** Ootsanee C.
Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 **WBID #**
Reach # 18 **Interim Locational ID:** **Project ID** 06-FRAN-3020-0002-1998
(BCGS/NTS) Map # 93F.073 **Locational Point** 73001

B. Survey Information

Survey Date 1997/09/05 **to** 1997/10/18 **Agency** C016
Crew SR//MJ/ **Fish Collection Permit**
General Comments
Very productive, especially in pool under falls.

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
7	EF	6		4.3	80		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Ac
7	EF	6	1	RB	A		3	146	151	R
7	EF	6	1	RB	J		15	35	83	R

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
7	EF	6	1	10/04				197	200	1.5	O								700	60	4	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
7	EF	6	1	RB	61												
7	EF	6	1	RB	52												
7	EF	6	1	RB	35												
7	EF	6	1	RB	81												
7	EF	6	1	RB	46												
7	EF	6	1	RB	50												
7	EF	6	1	RB	42												
7	EF	6	1	RB	40												
7	EF	6	1	RB	146										Caught under falls		
7	EF	6	1	RB	65												
7	EF	6	1	RB	54												
7	EF	6	1	RB	83												
7	EF	6	1	RB	74												
7	EF	6	1	RB	65												
7	EF	6	1	RB	57												
7	EF	6	1	RB	148										Caught under falls		
7	EF	6	1	RB	151										Caught under falls		
7	EF	6	1	RB	35												

Fish Data Collection Form

A. Location Referencing

Gazetted Name **Alias** Ootsanee C.
Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 **WBID #**
Reach # 18 **Interim Locational ID:** **Project ID** 06-FRAN-3020-0002-1998
(BCGS/NTS) Map # 93F.073 **Locational Point** 73001

B. Survey Information

Survey Date 1997/09/05 **to** 1997/10/18 **Agency** C016
Crew SR//MJ/ **Fish Collection Permit**
General Comments
Falls below site is a barrier - no fish captured above. Two passes over site at different setting.

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
8	EF	6		4.3	80		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Act
8	EF	6	1	NFP						
8	EF	6	2	NFP						

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
8	EF	6	1	10/04				321	120	1.1	O								700	60	4	Smith-Root	12B
8	EF	6	2	10/04				274	120	1.1	O								800	60	2	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
8	EF	6	1	NFP													
8	EF	6	2	NFP													

Fish Data Collection Form

A. Location Referencing

Gazetted Name **Alias** Ootsanee C.
Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 **WBID #**
Reach # 19 **Interim Locational ID:** **Project ID** 06-FRAN-3020-0002-1998
(BCGS/NTS) Map # 93F.073 **Locational Point** 73001

B. Survey Information

Survey Date 1997/09/05 **to** 1997/10/18 **Agency** C016
Crew SR//MJ/ **Fish Collection Permit**
General Comments
No fish - poor habitat, falls in reach 18 definite barrier; no resident population above falls.

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
9	EF	6		6.8	84		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Ac
9	EF	6	1	NFP						

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
9	EF	6	1	10/04				210	100	1.7	O								700	60	4	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
9	EF	6	1	NFP													

Fish Data Collection Form

A. Location Referencing

Gazetted Name
Alias
Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 WBID #
Reach # 1 Interim Locational ID:
Project ID 06-FRAN-3020-0002-1998
(BCGS/NTS) Map # 93F.073
Locational Point 73002

B. Survey Information

Survey Date 1997/09/05 to 1997/10/18 Agency C016
Crew MJ//SB/ Fish Collection Permit
General Comments

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
10	EF	6		6.9	151		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Ac
10	EF	6	1	NFC						

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
10	EF	6	1	09/25				101	200	0.4	O								500	60	6	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
10	EF	6	1	NFC													

Fish Data Collection Form

A. Location Referencing

Gazetted Name **Alias**

Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 **WBID #**

Reach # 1 **Interim Locational ID:** **Project ID** 06-FRAN-3020-0002-1998

(BCGS/NTS) Map # 93F.073 **Locational Point** 73007

B. Survey Information

Survey Date 1997/09/05 **to** 1997/10/18 **Agency** C016

Crew MJ//SB/ **Fish Collection Permit**

General Comments

Sampled several deep pools over range of settings

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
14	EF	6		10	101		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Act
14	EF	6	1	NFC						
14	EF	6	2	NFC						

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
14	EF	6	1	09/25				127	50	1	O								700	60	6	Smith-Root	12B
14	EF	6	2	09/25				146	50	1	O								800	60	4	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
14	EF	6	1	NFC													
14	EF	6	2	NFC													

Fish Data Collection Form

A. Location Referencing

Gazetted Name **Alias**

Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 **WBID #**

Reach # 1 **Interim Locational ID:** **Project ID** 06-FRAN-3020-0002-1998

(BCGS/NTS) Map # 93F.073 **Locational Point** 73008

B. Survey Information

Survey Date 1997/09/05 **to** 1997/10/18 **Agency** C016

Crew MJ//SB/ **Fish Collection Permit**

General Comments

Very shallow creek

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
15	EF	6		7.3	137		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Ac
15	EF	6	1	NFC						

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
15	EF	6	1	09/25				125	140	0.6	O								400	60	4	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
15	EF	6	1	NFC													

Fish Data Collection Form

A. Location Referencing

Gazetted Name
Alias
Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 WBID #
Reach # 2 Interim Locational ID:
Project ID 06-FRAN-3020-0002-1998
(BCGS/NTS) Map # 93F.083
Locational Point 83006

B. Survey Information

Survey Date 1997/09/05 to 1997/10/18 Agency C016
Crew MJ//SB/ Fish Collection Permit
General Comments
very productive reach

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
18	EF	6		7.1	99		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Ac
18	EF	6	1	RB	J		8	33	74	R
18	EF	6	1	RB	F		5	20	28	R

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
18	EF	6	1	09/27				12	20	1	O								500	60	4	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
18	EF	6	1	RB	24												
18	EF	6	1	RB	27												
18	EF	6	1	RB	34												
18	EF	6	1	RB	35												
18	EF	6	1	RB	20												
18	EF	6	1	RB	22												
18	EF	6	1	RB	35												
18	EF	6	1	RB	39												
18	EF	6	1	RB	28												
18	EF	6	1	RB	33												
18	EF	6	1	RB	74												
18	EF	6	1	RB	56												
18	EF	6	1	RB	42												

Fish Data Collection Form

A. Location Referencing

Gazetted Name
Alias
Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 WBID #
Reach # 3 Interim Locational ID:
Project ID 06-FRAN-3020-0002-1998
(BCGS/NTS) Map # 93F.083
Locational Point 83006

B. Survey Information

Survey Date 1997/09/05 to 1997/10/18 Agency C016
Crew MJ//SB/ Fish Collection Permit
General Comments

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
19	EF	6		5.2	54		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Ac
19	EF	6	1	NFC						

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
19	EF	6	1	10/04				296	600	0.8	O								600	60	8	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
19	EF	6	1	NFC													

Fish Data Collection Form

A. Location Referencing

Gazetted Name Alias

Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 WBID #

Reach # 2 Interim Locational ID: Project ID 06-FRAN-3020-0002-1998

(BCGS/NTS) Map # 93F.083 Locational Point 83010

B. Survey Information

Survey Date 1997/09/05 to 1997/10/18 Agency C016

Crew MJ//SB/ Fish Collection Permit

General Comments

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
22	EF	6		6.9	175		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Act
22	EF	6	1	LKC	F		3	13	16	R
22	EF	6	1	LKC	J		4	18	23	R

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
22	EF	6	1	09/28				126	50	0.7	O								500	60	4	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
22	EF	6	1	LKC	18												
22	EF	6	1	LKC	23												
22	EF	6	1	LKC	18												
22	EF	6	1	LKC	16												
22	EF	6	1	LKC	14												
22	EF	6	1	LKC	19												
22	EF	6	1	LKC	13												

Fish Data Collection Form

A. Location Referencing

Gazetted Name Alias

Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 WBID #

Reach # 3 Interim Locational ID: Project ID 06-FRAN-3020-0002-1998

(BCGS/NTS) Map # 93F.083 Locational Point 83010

B. Survey Information

Survey Date 1997/09/05 to 1997/10/18 Agency C016

Crew MJ//SB/ Fish Collection Permit

General Comments

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
23	EF	6		8	214		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Ac
23	EF	6	1	NFC						

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
23	EF	6	1	09/26				259	140	2.7	O								600	80	6	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
23	EF	6	1	NFC													

Fish Data Collection Form

A. Location Referencing

Gazetted Name Alias

Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 WBID #

Reach # 8 Interim Locational ID: Project ID 06-FRAN-3020-0002-1998

(BCGS/NTS) Map # 93F.083 Locational Point 83010

B. Survey Information

Survey Date 1997/09/05 to 1997/10/18 Agency C016

Crew MJ//SB/ Fish Collection Permit

General Comments

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
24	EF	6		7.3	80		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Act
24	EF	6	1	NFC						

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
24	EF	6	1	10/04				162	120	1.9	O								500	60	8	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
24	EF	6	1	NFC													

Fish Data Collection Form

A. Location Referencing

Gazetted Name Alias

Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 WBID #

Reach # 1 Interim Locational ID: Project ID 06-FRAN-3020-0002-1998

(BCGS/NTS) Map # 93F.083 Locational Point 83016

B. Survey Information

Survey Date 1997/09/05 to 1997/10/18 Agency C016

Crew MJ//SB/ Fish Collection Permit

General Comments

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
29	EF	6		5.5	96		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Ac
29	EF	6	1	RB	J		1	32		R
29	EF	6	1	LKC	J		1	31		R

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
29	EF	6	1	10/04				154	75	1.2	O								500	60	8	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
29	EF	6	1	LKC	31												
29	EF	6	1	RB	32												

Fish Data Collection Form

A. Location Referencing

Gazetted Name
Alias
Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 WBID #
Reach # 2
Interim Locational ID:
Project ID 06-FRAN-3020-0002-1998
(BCGS/NTS) Map # 93F.083
Locational Point 83016

B. Survey Information

Survey Date 1997/09/05 to 1997/10/18 Agency C016
Crew MJ//SB/
Fish Collection Permit
General Comments

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
30	EF	6		5.3	102		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Act
30	EF	6	1	RB	F		2	24	29	R

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
30	EF	6	1	10/04				10	5	0.9	O								500	60	8	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
30	EF	6	1	RB	29												
30	EF	6	1	RB	24												

Fish Data Collection Form

A. Location Referencing

Gazetted Name **Alias**

Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 **WBID #**

Reach # 1 **Interim Locational ID:** **Project ID** 06-FRAN-3020-0002-1998

(BCGS/NTS) Map # 93F.083 **Locational Point** 83019

B. Survey Information

Survey Date 1997/09/05 **to** 1997/10/18 **Agency** C016

Crew MJ//SB/ **Fish Collection Permit**

General Comments

Excellent habitat - potential migration to Hewson L.

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
32	EF	6		5.1	63		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Ac
32	EF	6	1	NFC						

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
32	EF	6	1	10/04				249	120	1	O								500	60	8	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
32	EF	6	1	NFC													

Fish Data Collection Form

A. Location Referencing

Gazetted Name
Alias
Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 WBID #
Reach # 3 Interim Locational ID:
Project ID 06-FRAN-3020-0002-1998
(BCGS/NTS) Map # 93F.083
Locational Point 83019

B. Survey Information

Survey Date 1997/09/05 to 1997/10/18 Agency C016
Crew MJ//SB/
Fish Collection Permit
General Comments

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
33	EF	6		5	86		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Ac
33	EF	6	1	NFC						

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
33	EF	6	1	10/04				212	250	0.6	O								600	60	6	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
33	EF	6	1	NFC													

Fish Data Collection Form

A. Location Referencing

Gazetted Name
Alias
Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 WBID #
Reach # 2 Interim Locational ID:
Project ID 06-FRAN-3020-0002-1998
(BCGS/NTS) Map # 93F.083
Locational Point 63023

B. Survey Information

Survey Date 1997/09/05 to 1997/10/18 Agency C016
Crew MJ//SB/ Fish Collection Permit
General Comments

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
34	EF	6		4.2	98		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Ac
34	EF	6	1	NFC						

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
34	EF	6	1	10/05				290	280	1	O								500	60	8	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
34	EF	6	1	NFC													

Fish Data Collection Form

A. Location Referencing

Gazetted Name

Alias

Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 WBID #

Reach # 1 Interim Locational ID:

Project ID 06-FRAN-3020-0002-1998

(BCGS/NTS) Map # 93F.082

Locational Point 82018

B. Survey Information

Survey Date 1997/09/05 to 1997/10/18 Agency C016

Crew SR//MJ/ Fish Collection Permit

General Comments

Quite productive given small drainage area. RB fry captured, spawning gravels abundant.

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
39	EF	6		4.5	95		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Ac
39	EF	6	1	RB	F		4	29	35	R
39	EF	6	1	RB	J		2	42	48	R

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
39	EF	6	1	10/04				120	180	1.6	O								600	60	4	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
39	EF	6	1	RB	33 ✓												
39	EF	6	1	RB	29 ✓												
39	EF	6	1	RB	31 ✓												
39	EF	6	1	RB	42 ✓												
39	EF	6	1	RB	35 ✓												
39	EF	6	1	RB	48 ✓												

Fish Data Collection Form

A. Location Referencing

Gazetted Name **Alias**

Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 **WBID #**

Reach # 3 **Interim Locational ID:** **Project ID** 06-FRAN-3020-0002-1998

(BCGS/NTS) Map # 93F.082 **Locational Point** 82018

B. Survey Information

Survey Date 1997/09/05 **to** 1997/10/18 **Agency** C016

Crew SR//MJ/ **Fish Collection Permit**

General Comments

Sampled deep pool/run in deep wetland channel. Got RB d/s with no obstructions - expect RB in mo confined flow u/s.

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
40	EF	6		5.2	176		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Ac
40	EF	6	1	NFC						

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
40	EF	6	1	10/04				145	85	2	O								600	60	4	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
40	EF	6	1	NFC													

Fish Data Collection Form

A. Location Referencing

Gazetted Name **Alias**

Watrshed Cod 000-000000-00000-00000-0000-0000-000-000-000-000-00 **WBID #**

Reach # 1 **Interim Locational ID:** **Project ID** 06-FRAN-3020-0002-1998

(BCGS/NTS) Map # 93F.082 **Locational Point** 82020

B. Survey Information

Survey Date 1997/09/05 **to** 1997/10/18 **Agency** C016

Crew SR//MJ/ **Fish Collection Permit**

General Comments

No fish present due to falls barrier in Reach 18 of Ootsanee C. Supports non fish-bearing status abo falls.

C. Station Identification and Conditions

Site	Method	#	UTM Coordinates	Temp	Con	Vis	Turb
42	EF	6		4.7	110		

D. Fish Summary

Site	Meth	#	H/P	Species	Stage	Age	Tot #	Min Lgth	Max Lgth	Fish Ac
42	EF	6	1	NFP						

E. Gear Specifications

Site	Meth	#	H/P	D In	T In	D Out	T Out	EF Sec	EF Lgth	EF Wdth	Encl	Nt Typ	Lgth	Dpth	Mesh	IN Sz	Set	Hab	Volt	Freq	Pul	Make	Model
42	EF	6	1	10/04				174	100	0.8	O								700	60	4	Smith-Root	12B

F. Individual Fish Data

Site	Meth	#	H/P	Species	Lgth	Wgt	Sex	Mat	Age Str	Age Smp #	Age	Vouch #	Gen Str	Gen Smp #	Comments	Roll	Fr
42	EF	6	1	NFP													

Appendix VI: Lake Table

Lake Table Information Extracted from FDIS
(Babine Stream Inventory 1997)

Relevant Report/ Watershed	Project WS Code	Name	ILP Map#	ILP	Reach #	Basin type	Group	Class (p/s)	Genesis	Area	Mag	BGC	Wtland	Sample	Vouch	Zone	Easting	Northing	Comments
Uncha	180-374000-95200		93F.082	82027	2	3	AG	S	GL	12.29	10	SBS		N		10	316760	5972370	easy fish access from Takysie Lake
Uncha	180-374000-95200		93F.081	82027	4	3	AH	S	GL	1.89	5	SBS		N		10	315340	5972110	similar to sample lake 82026 reach 17
Uncha	180-374000-95200		93F.081	82027	7	3			OL	0.9	5	SBS	1	N		10	314680	5971580	orig called lake - BD pond
Uncha	180-374000-95200		93F.081	82027	12	3			GL	0.6	1	SBS	1	N		10	314120	5969940	orig called lake - BD pond
Uncha	180-374000-95200		93F.081	82028	3	3			OL	0.46	5	SBS	1	N		10	315740	5971180	orig called lake - BD pond
Uncha	180-374000-95200		93F.081	82028	5	3			OL	0.6	4	SBS	1	N		10	315410	5970560	orig called lake - BD pond
Uncha	180-374000-95200		93F.081	82028	8	3			OL	0.64	3	SBS	1	N		10	314800	5969930	orig called lake - BD pond
Uncha	180-374000-95200		93F.082	82032	2	3	AI	S	GL	0.6	2	SBS		N		10	318080	5969470	shallow, small beaver pond
Uncha	180-374000-95200		93F.082	82032	5	3	AJ	S	GL	4.08	0	SBS		N		10	317700	5968880	small headwater lake
Uncha	180-374000-95200		93F.082	82035	2	3	AK	S	GL	3.8	2	SBS		N		10	320316	5970930	similar to sample lake 82026 reach 17
Uncha	180-374000-95200		93F.082	82037	2	4			GL	95	1	SBS	5	N					
Uncha	180-374000-95200		93F.082	82026	5	3	AB	S	GL	10.09	21	SBS		N		10	317370	5971550	RB use documented upstream
Uncha	180-374000-95200		93F.082	82026	11	3	AA	P	GL	17.16	12	SBS		N		10	319840	5968840	similar to sample lake 82026 reach 17
Uncha	180-374000-95200		93F.082	82026	13	3	AC	S	GL	0.95	7	SBS		N		10	320930	5969020	similar to sample lake 82026 reach 17
Uncha	180-374000-95200		93F.082	82026	17	3	AD	S	GL	5.73	3	SBS		S		10	322850	5969500	89042-40,41;bce99182-34,35; no sport/game fish species in this part of watershed
Uncha	180-374000-95200		93F.082	82026	23	3	AE	S	GL	1.23	2	SBS		N		10	324970	5968820	similar to sample lake 82026 reach 17
Uncha	180-374000-95200		93F.082	82026	25	3	AF	S	GL	1.77	1	SBS		N		10	324520	5967880	similar to sample lake 82026 reach 17
Uncha	180-374000-95200		93F.082	92002	12	3			OL	0.65	3	SBS	1	N		10	325400	5971080	bd pond - init. called lake
Uncha	180-374000-95200		93F.082	92002	15	3	AA	P	GL	21.6	0	SBS		N		10	322790	5970760	headwater lake; similar to sample lake Long Lake (92014)
Uncha	180-374000-95200		93F.082	82002	2	3			OL	0.6	1	SBS	1	N		10	328150	5973070	bd pond - init. called lake
Uncha	180-374000-95200		93F.082	82008	4	3	AB	S	GL	12.03	3	SBS		S		10	322930	5973010	89047-39,40; no sport/game fish species in this part of watershed
Uncha	180-374000-95200		93F.082	82010	1	3			GL	12	1	SBS	4	N					
Uncha	180-374000-95200	Long Lake	93F.082	92014	4	3	AA	P	GL	92.87	13	SBS		S		10	318630	5981880	89043-42,43,44; no sport/game fish species in this part of watershed
Uncha	180-374000-95200		93F.092	92014	8	3	AB	S	GL	9.34	13	SBS		N		10	318420	5981000	no sport/game fish species in this part of watershed
Uncha	180-374000-95200	Ranier Lake	93F.092	92014	10	3	AC	S	GL	2.83	1	SBS		N		10	318480	5982950	no sport/game fish species in this part of watershed
Uncha	180-374000-95200		93F.091	92014	12	3	AD	S	GL	8.52	1	SBS		N		10	316100	5983380	no sport/game fish species in this part of watershed
Uncha	180-374000-95200		93F.091	92014	17	3	AE	S	GL	1.47	0	SBS		N		10	315090	5983880	no sport/game fish species in this part of watershed
Uncha	180-374000-95200		93F.091	92018	3	3			OL	0.6	2	SBS	1	N		10	318000	5981610	
Uncha	180-374000-95200		93F.091	91001	3	3	AI	S	AL	0.25	2	SBS		N		10	314930	5981720	too small/shallow; low fish value (<0.5ha)
Uncha	180-374000-95200		93F.091	91005	2	3	AJ	S	AL	0.2	0	SBS		N		10	314620	5981800	too small/shallow; low fish value (<0.5ha)
Uncha	180-374000-95200		93F.092	93004	3	3			OL	0.77	24	SBS	1	N		10	322200	5978730	
Uncha	180-374000-95200		93F.092	93004	5	3			OL	1.1	24	SBS	1	N		10	321390	5978740	
Uncha	180-374000-95200		93F.092	93004	7	3			OL	0.49	20	SBS	1	N		10	321090	5978960	
Uncha	180-374000-95200		93F.092	93004	11	3			OL	1.19	19	SBS	1	N		10	320540	5980340	
Uncha	180-374000-95200		93F.092	93004	13	3			OL	1.26	14	SBS	1	N		10	320900	5980700	
Uncha	180-374000-95200	York Lake	93F.092	93004	14	3	AF	S	GL	29.79	14	SBS		N		10	320480	5980830	no sport/game fish species in this part of watershed
Uncha	180-374000-95200		93F.092	93004	20	3	AG	S	GL	0.46	1	SBS		N		10	317520	5983270	no sport/game fish species in this part of watershed (< 0.5ha)
Uncha	180-374000-95200		93F.092	93004	22	3	AH	S	GL	13.11	1	SBS		N		10	317080	5983860	no sport/game fish species in this part of watershed
Small Francois	180-374000-95200		93K.001	1001	5	3	CA	P	GL	0.3	0	SBS		N		10	309480	5995370	primary; isolated by gradient; small headwater lake (<0.5ha)
Small Francois	180-374000-95200		93K.001	1020	5	3			OL	1.69	6	SBS	1	N		10	308310	5995130	orig called lake-BV pond
Small Francois	180-374000-95200		93K.001	1020	7	3			OL	0.7	6	SBS	1	N		10	308500	5995270	orig called lake-BV pond
Small Francois	180-374000-95200		93K.001	1023	3	3			OL	0.8	0	SBS	1	N					
Small Francois	180-374000-95200		93K.001	1024	3	3			OL	3.2	0	SBS	1	N		10	305600	5995740	orig called lake-BV pond
Small Francois	180-374000-95200		93K.012	22007	3	3	AA	P	GL	18	1	SBS		N		10	323900	6008070	non fish-bearing d/s from this lake
Small Francois	180-374000-95200		93K.012	12004	2	3	AB	S	OL	0.33	0	SBS		N		10	323950	6007540	small, shallow lake; low fish values (<0.5ha)
Small Francois	180-374000-95200		93K.031	31024	7	3	CA	P	GL	3.80	1	SBS		N		10	311180	6028590	non fish-bearing d/s from this lake
Small Francois	180-374000-95200		93K.031	31025	5	3	CA	P	OL	0.6	1	SBS		N		10	314140	6024540	non fish-bearing d/s from this lake
Small Francois	180-374000-95200		93K.031	31025	7	3			OL	3.1	0	SBS	1	N		10	314450	6024700	90082-50,51
Small Francois	180-374000-95200		93K.022	22008	2	3			GL	7.8	7	SBS	3	N					
Gerow	180-374000-95200		93K.021	21018	4	3			GL	15.3	2	SBS	5	N					
Gerow	180-374000-95200		93K.021	21020	1	3			GL	2	1	SBS	5	N					
Gerow	180-374000-95200		93K.021	21035	1	3			GL	8.25	1	SBS	4	N					
Gerow	180-374000-95200		93L.030	21052	8	10			GL	1.43	1	SBS	5	N					
Gerow	180-374000-95200		93K.021	21075	1	4			GL	1.8	1	SBS	5	N					
Gerow	180-374000-95200	Gerow Lake	93K.021	21001	15	4	CA	P	GL	13.89	14	SBS		N		10	306860	6016150	previously surveyed
Forgie	180-374000-95200		93K.041	31019	6	3			GL	3.6	1	SBS	5	N					
Forgie	180-374000-95200		93K.041	31019	8	3			GL	22	1	SBS	4	N					
Forgie	180-374000-95200		93K.031	31001	3	4	CA	P	AL	1.5	22	SBS		N		10	311900	6025840	RB presence confirmed in u/s reaches
Decker	180-374000-95200		93K.032	21191	9	3	AB	S	GL	4.1	3	SBS		N		10	323160	6024370	non fish-bearing above falls in reach 3 of ILP 21191 (Decker C.) d/s from this lake
Decker	180-374000-95200		93K.032	21191	16	3	AC	S	GL	0.2	2	SBS		N		10	324030	6023440	non fish-bearing d/s from this lake (<0.5ha)
Decker	180-374000-95200		93K.032	21191	18	3	AD	S	GL	4.84	2	SBS		N		10	324600	6023270	non fish-bearing above falls in reach 3 of ILP 21191 (Decker C.) d/s from this lake
Decker	180-374000-95200		93K.032	21191	24	3	AA	P	GL	12.18	2	SBS		N		10	324930	6021400	non fish-bearing above falls in reach 3 of ILP 21191 (Decker C.) d/s from this lake
Decker	180-374000-95200		93K.022	21191	26	3			GL	3.8	1	SBS	5	N					non fish-bearing above falls in reach 3 of ILP 21191 (Decker C.) d/s from this lake
Decker	180-374000-95200		93K.022	32003	3	3	AE	S	OL	0.38	15	SBS		N		10	319980	6020190	non fish-bearing above falls in reach 3 of ILP 21191 (Decker C.) d/s from this lake(<0.5ha)
Decker	180-374000-95200		93K.022	32003	4	3	AF	S	GL	9.8	15	SBS		N		10	320000	6020080	non fish-bearing above falls in reach 3 of ILP 21191 (Decker C.) d/s from this lake
Decker	180-374000-95200		93K.032	32003	7	3	AG	S	GL	0.62	2	SBS		N		10	323500	6021360	non fish-bearing above falls in reach 3 of ILP 21191 (Decker C.) d/s from this lake
Decker	180-374000-95200		93K.022	22016	1	3			GL	11	0	SBS	3	N					non fish-bearing above falls in reach 3 of ILP 21191 (Decker C.) d/s from this lake
Decker	180-374000-95200		93K.022	22017	2	3			OL	21	1	SBS	5	N					non fish-bearing above falls in reach 3 of ILP 21191 (Decker C.) d/s from this lake
Decker	180-374000-95200		93K.022	22017	3	3	AH	S	GL	1.33	1	SBS		N		10	321390	6019220	non fish-bearing above falls in reach 3 of ILP 21191 (Decker C.) d/s from this lake
Decker	180-374000-95200		93K.032	32008	1	3			GL	8.3	0	SBS	5	N					non fish-bearing above falls in reach 3 of ILP 21191 (Decker C.) d/s from this lake

Lake Table Information Extracted from FDIS
(Babine Stream Inventory 1997)

Relevant Report/ Watershed	Project WS Code	Name	ILP Map#	ILP	Reach #	Basin type	Group	Class (sla)	Genesis	Area	Mag	BGC	Wtland	Sample	Vouch	Zone	Easting	Northing	Comments
Decker	180-374000-95200		93K.032	32010	2	3	AI	S	GL	0.26	4	SBS		N		10	322430	6024720	non fish-bearing, above falls in reach 3 of ILP 21191 (Decker C.) d/s from this lake
Decker	180-374000-95200		93K.032	32010	12	3			GL	13.3	0	SBS	5	N					non fish-bearing, above falls in reach 3 of ILP 21191 (Decker C.) d/s from this lake
Decker	180-374000-95200		93K.032	32011	8	3			GL	1.12	2	SBS	5	N					non fish-bearing, above falls in reach 3 of ILP 21191 (Decker C.) d/s from this lake
Allin	180-374000-95200		93K.001	1030	1	3	BA	P	GL	1.00	0	SBS		N		10	307040	5995330	low fish value; no access
Allin	180-374000-95200		93K.001	1012	2	10			OL	0.84	1	SBS	1	N		10	307400	5995930	orig called lake-BV pond
Allin	180-374000-95200		93K.011	11001	2	3			OL	0.9	0	SBS	1	N		10	308330	5998780	
Allin	180-374000-95200	Anders Lake	93K.011	11002	9	4	CA	P	GL	41	3	SBS		N		10	311390	6000830	previously surveyed
Allin	180-374000-95200		93K.011	11025	3	3			OL	1.06	10	SBS	1	N		10	305980	6000730	orig called lake-BV pond
Allin	180-374000-95200		93K.011	11029	1	3			GL	14	1	SBS	5	N					
Allin	180-374000-95200		93L.020	20071	7	3			GL	0.55	0	SBS	1	N		10	294270	6008000	
Ootsanee	180-545300		93F.083	83008	4	3	AD	S	GL	22.23	3	SBS		S		10	335300	5986270	86161-151,152
Ootsanee	180-545300		93F.083	83010	5	3			OL	0.98	16	SBS	1	N		10	332730	5987750	orig called lake - BV pond
Ootsanee	180-545300	Gatzard Lake	93F.083	83010	7	3	AE	S	GL	103	16	SBS		N		10	332520	5988230	previously surveyed
Ootsanee	180-545300	Hewson Lake	93F.083	83010	9	3	AF	S	GL	49.7	9	SBS		N		10	330880	5970500	previously surveyed
Ootsanee	180-545300	Edlund Lake	93F.083	83010	11	3	AG	S	GL	18.9	3	SBS		N		10	330280	5971230	lakes downstream previously surveyed
Ootsanee	180-545300		93F.083	83013	4	3			GL	0.84	0	SBS	1	N		10	330830	5988080	orig called lake - shallow pond
Ootsanee	180-545300		93F.083	83032	4	3	CA	P	GL	1.54	0	SBS		N		10	329780	5987810	isolated by gradient; small headwater lake
Ootsanee	180-545300		93F.082	82015	4	6			GL	2	1	SBS	5	N					
Ootsanee	180-545300		93F.073	73001	6	3	AB	S	OL	1.05	51	SBS		N		10	337980	5982720	RB use documented upstream
Ootsanee	180-545300	Ootsanee Lake	93F.073	73001	6	3	AA	P	GL	428.8	51	SBS		N		10	337100	5983330	previously surveyed
Ootsanee	180-545300		93F.083	73001	12	3			OL	0.8	12	SBS	1	N		10	328870	5988850	orig called lake - BD pond
Ootsanee	180-545300		93F.082	73001	14	3			OL	1.2	11	SBS	1	N		10	328290	5987010	orig called lake - BD pond
Ootsanee	180-545300	Ugtyuz Lake	93F.082	73001	20	3	AC	S	GL	100.57	7	SBS		N		10	326110	5988720	previously surveyed
Dog	180-545300		93F.072	72001	6	3	AB	S	GL	12.42	11	SBS		N		10	320200	5982760	larger headwater lake planned for this system
Dog	180-545300		93F.072	72001	8	3			OL	0.7	9	SBS	1	N		10	319740	5984300	orig called lake - BD pond
Dog	180-545300		93F.082	72001	12	3	AA	P	GL	21.75	4	SBS		S		10	320430	5985560	89040-51,52; no sport/game fish species in this part of watershed
Dog	180-545300		93F.082	72001	15	3			GL	8.8	1	SBS	5	N					
Dog	180-545300		93F.082	72001	16	3			GL	1.17	0	SBS	1	N		10	320560	5987350	orig called lake - autoplised
Dog	180-545300		93F.072	72002	3	3	AC	S	GL	3.66	1	SBS		N		10	319590	5980830	larger headwater lake planned for this system
Dog	180-545300		93F.072	72003	2	3			GL	11.7	0	SBS	5	N					
Dog	180-545300		93F.082	82051	2	3			GL	2.64	0	SBS	3	N					
Maxan	480-924300		93L.040	40002	4	3	AD	S	GL	25.76	2	SBS		S		9	890140	6023780	90082-80,81; Planned sampling at inlet/outlet
Maxan	480-924300		93L.040	40004	1	3			GL	4	2	SBS	5	N					
Maxan	480-924300		93L.030	40010	4	3	AE	S	GL	5.36	0	SBS		N		9	887400	6020730	headwater lake, outlet planned for sampling
Maxan	480-924300		93L.030	30035	3	3			OL	2.2	2	SBS	1	N		9	890130	6016920	orig called lake - BV pond
Maxan	480-924300		93L.030	30035	5	3			OL	6.75	1	SBS	1	N					
Maxan	480-924300		93L.030	30035	6	3	AF	S	GL	6.69	1	SBS		N		9	890230	6015500	shallow, easy access from Maxan Creek, reaches planned downstream
Maxan	480-924300		93L.030	30082	4	4			GL	0.98	1	SBS	5	N					
Maxan	480-924300		93L.030	30092	3	3			GL	7	1	SBS	5	N					
Maxan	480-924300		93K.021	21185	1	3			GL	2.4	2	SBS	5	N					
Maxan	480-924300		93K.011	11005	3	4			GL	2	3	SBS	5	N					
Maxan	480-924300		93K.021	21184	1	3			GL	2.2	1	SBS	5	N					
Maxan	480-924300		93L.020	20013	2	3	AG	S	GL	1.42	2	SBS		N		10	300400	6008900	small, easy access from Maxan Creek
Maxan	480-924300		93L.020	20013	3	3			GL	16	1	SBS	5	N					
Maxan	480-924300		93L.020	20030	2	3	AH	S	GL	5.44	1	SBS		N		10	301320	6004710	easy access from Maxan
Maxan	480-924300		93L.020	20030	3	3			GL	13.2	1	SBS	5	N					
Maxan	480-924300		93L.020	20033	2	3	AI	S	GL	12.96	3	SBS		N		10	303830	6002330	easy access from Maxan
Maxan	480-924300	Maxan Lake	93L.040	40001	2	3	AA	P	GL	838	239	SBS		N		9	887390	6022980	previously surveyed
Maxan	480-924300		93L.020	40001	8	3	AB	S	GL	7.45	18	SBS		N		10	303330	6003540	lake planned upstream, inlet stream planned
Maxan	480-924300		93L.020	40001	14	3	AC	S	GL	13.75	8	SBS		S		10	302870	6002430	bcc98071-18,20
Telzato	480-000000		93K.044	44081	4	3	CA	P	GL	0.97	0	SBS		N		10	357080	6039010	small headwater lake above steep gradient
Telzato	480-000000		93K.044	48006	9	3	CA	S	GL	0.26	1	SBS		N		10	356700	6034680	small, above steep gradient (<0.5ha)
Telzato	480-000000		93K.044	48000	11	3	CB	P	GL	2.74	0	SBS		N		10	357130	6034980	headwater lake above steep gradient
Telzato	480-000000		93K.044	48000	4	3	CA	P	GL	4.15	0	SBS		N		10	356980	6037340	outlet planned for survey
Telzato	480-000000		93K.045	45018	3	3	CA	P	GL	0.07	0	SBS		N		10	358580	6033180	small headwater lake above steep gradient
Telzato	480-000000		93K.045	44060	10	8	CA	P	OL	0.26	0	SBS		N		10	359000	6032060	small headwater lake (<0.5ha)
Small Babine	480-000000		93K.071	81001	3	3			OL	2.1	5	SBS	1	N		10	316430	6065950	orig called lake - BV pond
Small Babine	480-000000		93K.082	81004	7	3			OL	2	6	SBS	1	N					bv pond
Small Babine	480-000000	Froggy Lake	93K.062	52041	8	3	CA	P	GL	8.19	0	SBS		N		10	323870	6054340	shallow, headwater lake, reaches below planned for sampling
Small Babine	480-000000		93K.052	52023	7	8	CA	P	GL	0.92	3	SBS		N		10	330030	6047080	small; inlet/outlet planned for sampling
Small Babine	480-000000		93K.043	43009	4	3	CA	P	GL	4.9	0	SBS		N		10	342280	6034500	primary-isolated by gradient; headwater lake; outlet planned for sampling
Small Babine	480-000000		93K.043	44001	8	4	CA	P	GL	0.37	1	SBS		N		10	343550	6034680	small headwater lake (<0.5ha)
Small Babine	480-000000		93K.043	44001	8	4			GL	1.4	0	SBS	1	N		10	343280	6034820	prev called lake
Small Babine	480-000000		93K.044	44085	10	11	CA	S	GL	2.4	0	SBS		N		10	354460	6039730	small headwater lake
Small Babine	480-000000		93K.044	44009	2	11	CA	S	GL	1.34	0	SBS		N		10	352980	6036700	small headwater lake; outlet planned for survey
Small Babine	480-000000		93K.033	33005	3	4	CA	P	OL	0.33	0	ESSF		N		10	341600	6020280	non fish-bearing, above falls in reach 3 of ILP 21191 (Decker C.) d/s from this lake(<0.5ha)
Small Babine	480-000000		93K.033	33008	2	4			GL	1.28	2	ESSF	4	N		10	342330	6018870	reaches above this wetland
Small Babine	480-000000		93K.024	34012	10	6			OL	24	0	ESSF	5	N		10	350100	6016440	accessible to fish from Finch-possibly important
ILP 52001	480-000000		93K.052	52001	7	6			OL	10	15	SBS	1	N					not on ILP sheet - orig called lake - BV pond
ILP 52001	480-000000		93K.052	52001	9	6			OL	3	13	SBS	1	N					not on ILP sheet - orig called lake - BV pond

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Relevant Report/ Watershed	Project WS Code	Name	ILP Map#	ILP	Reach #	Basin type	Group	Class (p/a)	Genesis	Area	Mag	BGC	Wildrl	Sample	Vouch	Zone	Easting	Northing	Comments
ILP 52001	480-000000		93K.052	52002	4	3			GL	7	0	SBSI	1	N		10	326200	6050130	orig called lake - BV pond
ILP 52001	480-000000		93K.052	52021	5	3	CA	P	GL	9.12	1	SBS		N		10	327870	6046280	above steep gradient, shallow, inlet/outlets planned for sampling
Henrietta	480-000000		93K.035	35007	8	1	CA	P	GL	0.46	1	SBS		N		10	368300	6024980	primary, isolated by gradient; small, headwater lake (<0.5ha)
Henrietta	480-000000		93K.045	35037	5	3	CA	P	GL	0.72	0	SBS		N		10	362200	6030790	small headwater lake
Henrietta	480-000000		93K.035	35029	8	4	CA	S	OL	0.46	4	SBS		N		10	363670	6029140	small (<0.5ha)
Henrietta	480-000000		93K.035	35029	10	4	CB	S	OL	0.71	2	SBS		N		10	363800	6029360	small, beaver pond
Henrietta	480-000000		93K.035	35040	3	3	CA	S	GL	0.43	1	SBS		N		10	362160	6026700	small (<0.5ha)
Henrietta	480-000000		93K.035	35042	1	3			GL	4	0	SBS	4	N		10	361000	6027610	1st and only reach - accessible
Henrietta	480-000000		93K.035	35043	1	3			GL	3	0	SBS	4	N		10	361970	6027670	1st and only reach - accessible
Henrietta	480-000000		93K.035	35049	5	3	AE	S	GL	9.22	8	SBS		N		10	360340	6030040	RB presence confirmed upstream
Henrietta	480-000000		93K.044	34010	8	3	AF	S	GL	26.9	2	SBS		S		10	355580	6031420	RB presence confirmed at outlet reach
Henrietta	480-000000		93K.044	44082	3	3	AG	S	GL	11.8	1	SBS		N		10	355610	6030590	outlet planned for survey
Henrietta	480-000000		93K.044	44082	5	3	AH	S	GL	4.1	0	SBS		N		10	354300	6030910	similar to planned lake 34010 reach 8
Henrietta	480-000000		93K.045	45018	3	3	AI	S	GL	4.05	8	SBS		N		10	357410	6030870	RB presence confirmed upstream
Henrietta	480-000000		93K.045	45018	7	3	AJ	S	GL	8.15	3	SBS		N		10	358020	6031170	RB presence confirmed upstream
Henrietta	480-000000		93K.045	45023	2	3	AK	S	GL	1.76	1	SBS		N		10	357280	6031930	easy access from ILP 45018 reach 9
Henrietta	480-000000		93K.044	44085	2	3	AL	S	GL	4.52	0	SBS		N		10	350430	6031360	isolated from Henrietta Creek
Henrietta	480-000000		93K.044	44087	3	1	CA	P	GL	1.53	0	SBS		N		10	350520	6033940	small headwater lake above steep gradient
Henrietta	480-000000	Henrietta Lake	93K.035	24001	9	3	AA	P	GL	50.99	31	SBS		N		10	357970	6028720	previously surveyed
Henrietta	480-000000		93K.044	24001	11	3	AB	S	GL	13.79	5	SBS		N		10	356440	6031850	RB presence confirmed in outlet reach
Henrietta	480-000000		93K.044	24001	16	3	AC	S	GL	12.29	4	SBS		S		10	355300	6033470	90008-173,174
Henrietta	480-000000		93K.044	24001	21	3	AD	S	GL	2.26	0	SBS		N		10	354740	6034830	small headwater lake
Four Mile	480-000000		93K.044	44039	3	3	CA	S	GL	2.08	5	SBS		N		10	351440	6035400	inlet/outlets planned for sampling
Four Mile	480-000000		93K.044	44039	9	3	CB	S	GL	0.33	0	SBS		N		10	353520	6033760	small headwater lake (<0.5ha)
Four Mile	480-000000		93K.044	44059	4	3	CA	S	GL	2.19	0	SBS		N		10	352570	6031850	small headwater lake
Four Mile	480-000000		93K.044	44061	5	3	CA	S	GL	9.56	2	SBS		N		10	353780	6030550	similar to planned survey lake (24001 reach 18)
Four Mile	480-000000		93K.044	44062	1	3			GL	5.5	0	SBS	4	N					
Four Mile	480-000000		93K.034	34044	2	8			GL	2.56	0	SBS	4	N					
Four Mile	480-000000		93K.034	34049	2	3			OL	0.94	2	SBS	4	N		10	353800	6026190	
Four Mile	480-000000		93K.034	44034	13	8	CA	P	GL	0.28	0	SBS		N		10	354700	6025010	small headwater lake (<0.5ha)
Deep	480-000000		93K.053	53001	7	8	CA	S	GL	9.9	2	SBS		S		10	333180	6047810	no fish use above falls in reach 2 d/s