

**Reconnaissance (1:20,000) Fish and Fish Habitat Inventory
Resampling in the Taltapin Sub-unit
2002/03**

- Addendum to Subdrainages in the
Babine Lake Watershed - 1998
(WSC 480-*****)

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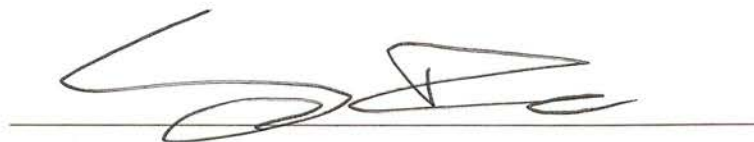
WSC: 480-927700-*****

Pinkut Creek and Taltapin Lake Tributaries

Prepared for:
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Box 4000
Burns Lake, BC
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Prepared by:
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March 31, 2003

Project Reference Information

FIA Investment Schedule Number	PRTSA145013
MSRM Project Number	BFP-C016-001-2003
FIA Project Number	5013004
FDIS Project Code	5746
FDIS Project WSC	480-000000
FIA Region	Smithers Region
MSRM Region	06 - Skeena
FW Management Unit	6-6
DFO Sub-District	4D
Forest Region	Prince Rupert
Forest District	Lakes Forest District
Forest Licensee and Tenure #	Babine Forest Products Company Forest Licence A-16823
First Nations Claim Area	Carrier-Sekani

Watershed Information

Watershed Group	BABL (Babine Lake)
Watershed Name	Babine Lake Tributaries (Taltapin Sub-unit Area)
Watershed Code	480-927700-*****
UTM at Mouth	Varied
Watershed Area (km²)	202.7
Total of all Stream Lengths (km)	309
Stream Order	Varied
NTS Map	93 K/6
TRIM Maps	93K.023, 93K.024, 93K.033, 93K.034, 93K.043, 93K.044
BEC Zone	SBS (Sub-Boreal Spruce)
Fish Species Present	RB
Air Photos	<u>30BCB90061:</u> 111-118, 165-183, 285-290 <u>30BCB90098:</u> 115-117, 161-167 <u>30BCC97147:</u> 130-133, 162-169 <u>30BCC97148:</u> 49-56, 89-98, 175-182 <u>30BCC97187:</u> 88-98

Sampling Design Summary

Total Number of Reaches	482
Random Sample Reaches	0
Discretionary Sample Reaches	93
Total Sample Reaches	93
% of Reaches Sampled	19.2
Field Sampling Dates	July 27 – August 18, 2002

Abbreviations Used in this Report

Avg	Average	M	Moderate flow, moderate turbid or medium size stream
BB	Burbot (<i>Lota lota</i>)	MELP	Ministry of Environment, Lands and Parks
BD	Stream bed, beaver dam	M/L	Mainline
BFP	Babine Forest Products Company	MT	Minnow trap
BGC	Biogeoclimatic zone	MW	Mountain whitefish (<i>Prosopium williamsoni</i>)
BMC	Brassy minnow (<i>Hybognathus hankinsoni</i>)	NA	Not applicable
C	Clear (not turbid)	NCD	Not classified drainage
C.	Creek	NCD*	No drainage present at mapped location
CAS	Prickly sculpin (<i>Cottus asper</i>)	Neg	Film negative
CBC	Chub-general	NFC	No fish captured
CC	Sculpins -general	NFP	No fish present
CD	Compact disc	NS	Not sampled
CH	Chinook salmon (<i>O. tshawytscha</i>)	NSC	Northern pike minnow (<i>Ptycheilus oregonensis</i>)
CO	Coho salmon (<i>O. kisutch</i>)	NTS	National Topographic Survey
Cond.	Conductivity	NVC	No visible channel
CPUE	Catch per unit effort	PCC	Peamouth chub (<i>Mylocheilus caurinus</i>)
CSU	Largescale sucker (<i>Catostomus macrocheilus</i>)	pH	Acidity or alkalinity measurement unit
CT	Cutthroat trout (<i>O. clarki</i>)	Prop	Proposed
CW	Channel width	PW	Electric pulse width
D	Downstream	R.	River
DFO	Department of Fisheries and Oceans	RB	Rainbow trout (<i>O. mykiss</i>)
Dir	Direction	Rd	Road
Dist.	Distance	Rip	Riparian
d/s	Downstream	RSC	Redside shiner (<i>Richardsonius balteatus</i>)
DV	Dolly Varden char (<i>Salvelinus malma</i>)	RSS	Regionally significant species
EF	Electrofishing	S1 - S6	Riparian classes
Exp	Expected	sec	Seconds
FDIS	Field Data Information System	S	Small size stream
FISS	Fisheries Information Summary System	SBS	Sub-Boreal Spruce BGC
FPC	Forest Practices Code	SK	Sockeye salmon (<i>O. nerka</i>)
FRBC	Forest Renewal of British Columbia	S/S/I	Straight, sinuous or irregular wandering channels
Freq	Electric current frequency	Spp.	Species
FRIM	Reconnaissance (1:20,000) Fish and Fish Habitat Inventory: Standards and Procedures (Version 1.1)	STD	Standard
Grad	Slope gradient	ST/SI/IR	Straight, sinuous or irregular wandering channels
H	High flow	T	Turbid
Hz	Hertz	Temp	Temperature
ILP	Interim Locational Point	TRIM	Terrain Resource Information Management
I/M/T	Irregular meandering, meandering or tortuous meandering channels	Turb	Turbidity
IM/ME/TM	Irregular meandering, meandering or tortuous meandering channels	U	Upstream
Info.	Information	u/s	Upstream
km	Kilometer	X	Across
KO	Kokanee (<i>O. nerka</i>)	UTM	Universal Transverse Mercator coordinates
L	Lamprey -- general (<i>Lampetra spp.</i>)	V	Volts
L	Low flow, lightly turbid or large size stream	Volt	Voltage
L.	Lake	Wb	Bankfull depth
LKC	Lake chub (<i>Couesius plumbeus</i>)	WCB	Workers Compensation Board
LNC	Longnose dace (<i>Rhinichthys cataractae</i>)	WSC	Watershed code
LSU	Longnose sucker (<i>Catostomus catostomus</i>)	W1-W5	FPC wetland classes
LT	Lake trout (<i>S. namaycush</i>)	µs	Microseconds
LW	Lake whitefish (<i>Coregonus clupeaformis</i>)	µS	Microsiemens
LWD	Large Woody Debris	°C	Temperature
m	Meter	%	Slope gradient
mm	Millimeter		

Contractor Information

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Sub-contractor:	FINS Consulting Ltd. #207 - 4546 Park Avenue, Terrace, BC, V8G 1V4 (250) 635-8481
Field crew: Data Entry by: Report prepared by: Report edited by:	S. Redden, M. Jedrzejczyk M. Jedrzejczyk S. Redden M. Jedrzejczyk
Maps prepared by:	FINS Consulting Ltd. #207 - 4546 Park Avenue, Terrace, BC, V8G 1V4 (250) 635-8481

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 made available by the Forest Investment Account, a new provincial government mechanism for promoting sustainable forest management in British Columbia. We would also like to give special thanks Karen Grainger for, above all else, putting up with us throughout the field portion of the project.

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List of Attachments

The following material is supplemental to this report and provides information for all watersheds as defined in Schedule A (i.e., Pierre/Twain and Taltapin Sub-units)

Attachment I Hardcopy FISS Update Data Forms and Maps

Attachment II Photodocumentation

- i) Photodocumentation Form 1
- ii) FDIS Photodocumentation Export File
- iii) Indexed Album of all negatives
- iv) 2 Indexed Copies of Photo CD's

Attachment III Field Data

- i) site cards, fish collection forms, individual fish data forms and field notes

Attachment IV Digital Data

1. Introduction

1.1 Project Scope and Objectives

The objective of this project was to conduct resampling on streams within the Taltapin Sub-unit to provide a complete summary of fish distribution in the area. Resampling was conducted to supplement and augment the information collected during past Reconnaissance (1997, 1998) and Operational (1999-2001) inventories completed in the area, and was generally gathered to provide BFP with site-specific fisheries information to be used to aid in forest development planning and activities. Most of this fisheries information was collected either to fill information gaps and improve fish distribution information or to confirm previously proposed Forest Practices Code (FPC) stream classifications. All results for this report incorporate any previous field sampling that may have been conducted on the streams. This is a continuation of a multi-year FRBC project commenced in 1996 for Babine Forest Products Company (BFP).

1.2 Location

All streams within this project area are within the Taltapin BFP sub-unit management area, located approximately 30km north northeast of the Village of Burns Lake, B.C. Streams are predominantly in the Pinkut Creek watershed, specifically tributaries to Pinkut Creek below Taltapin Lake and tributaries to Taltapin Lake. Two small tributaries to Babine Lake located on either side of Pinkut Creek are also included in the project area. The project overview map (Figure 1) on the following page provides the general location of the study area.

1.3 Access

Most of the reaches within this area were located within well-roaded areas, with vehicle access being the predominant method of access for reach sampling. Boat access was also required for the lower reaches of several tributaries to Taltapin Lake. Individual reaches were usually accessed by foot from nearby logging roads and cutblock spur roads.

Access from Burns Lake to the project area is as follows:

- Drive north on the Babine Lake road (toward landfill) to the junction with the Augier Main at km 18.4
- Turn right at the junction onto the Augier main and follow this road for 10km to the junction with Taltapin road at the 26km board
- Turn left onto Taltapin road and follow this road for 11km at which point this road crosses Pinkut Creek within the project area at the 37km board. Reaches within this watershed were generally accessed via the Taltapin, Grizzly, Fisheries and Anderson roads and from various spur roads

OVERVIEW MAP

Reconnaissance (1:20,000) Fish and Fish Habitat Inventory
Resampling in Taltapin Sub-unit - 2002/03

(480-*****)

Babine Lake (BABL) Watershed Group

Babine Forest Products Co. Ltd.

Lakes Forest District

Project completed by:

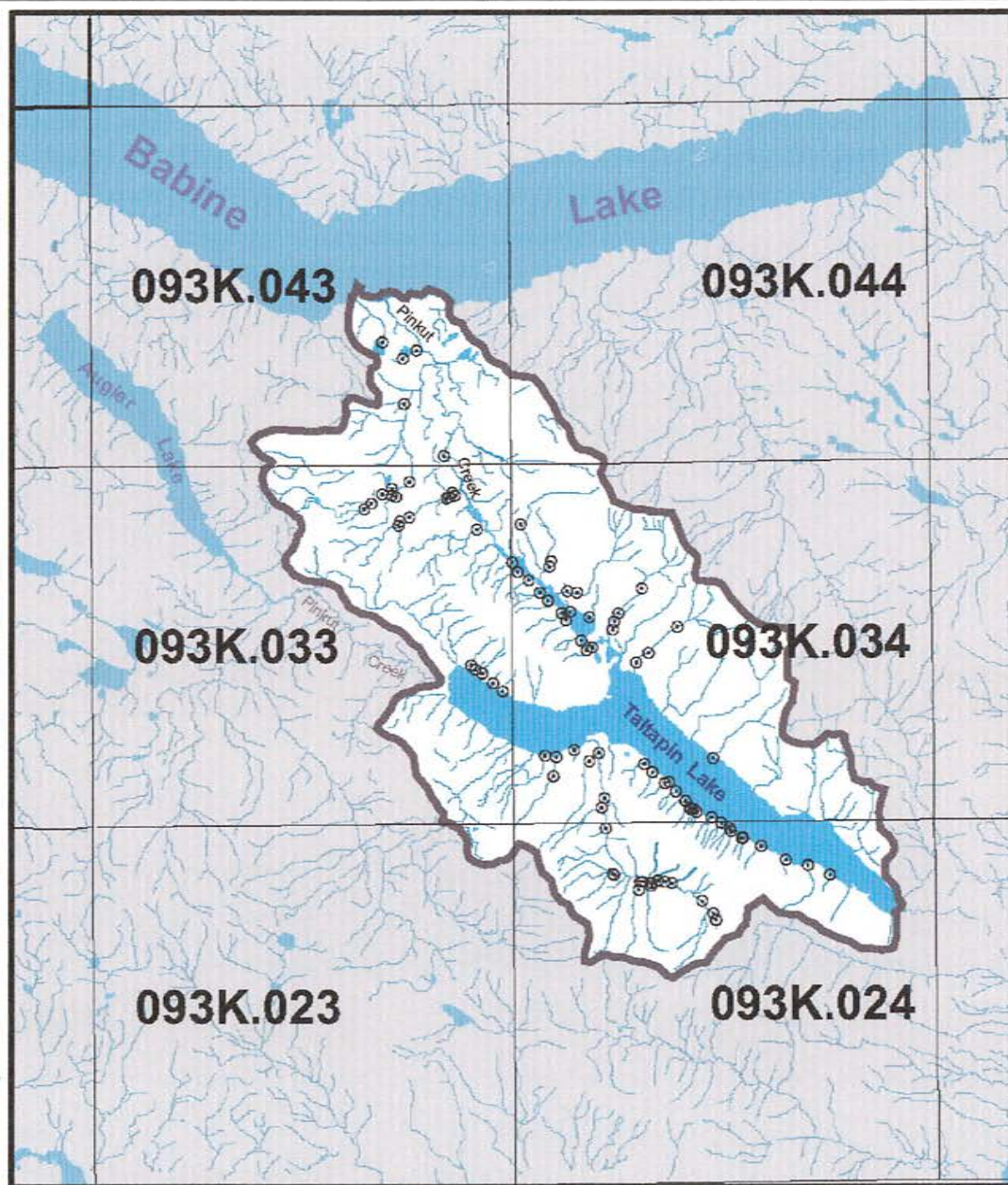


Figure 1: Project Area Overview Map.

2. Resource Information

The primary resource use within the area is forest management for timber extraction in BFP's operating area. The area also contains numerous lakes, a few of which provide good recreational fishing opportunity, mainly in the Taltapin and Anderson Lake areas. The project area is located within Carrier-Sekani land. No significant wildlife use or impacts were noted within this area.

An abundance of fisheries information has been collected and presented under the scope of two reconnaissance inventories (FINS, 1997, 1998.) and in several operational inventories (FINS, 2000, 2001, 2002). This information has been compiled and utilized for the interpretive mapping for this project and when applicable, used to provide rationale for fish-bearing status and stream classifications. Table 1 below summarizes historical information regarding fish presence and sampling results within the project area. This information is also displayed on the interpretive maps for this project.

Table 1: Historical information on fish presence in the Taltapin Area.

Stream ID/ ILP	Watershed Code	Reach	Historic Site #	Fish Species/ Sampling Results	Source/Comments
33012	480-927700-31049	4	61	NS	FINS. 1997 (FFHI).
33011	480-927700-30668	2	62	NS	FINS. 1997 (FFHI).
33008	480-927700-28998	1	63	NFC	FINS. 1997 (FFHI).
33002	480-927700-27900	1	64	NFC (RB)	FINS. 1997 (FFHI).
33002	480-927700-27900	1	65	NFC (RB)	FINS. 1997 (FFHI).
34017	480-927700-26832	1	66	NFC (RB)	FINS. 1997 (FFHI).
Finch C.	480-927700-25300	2	67	RB	FINS. 1997 (FFHI).
Finch C.	480-927700-25300	3	68	RB	FINS. 1997 (FFHI).
Finch C.	480-927700-25300	4	69	RB	FINS. 1997 (FFHI).
Finch C.	480-927700-25300	4	70	RB	FINS. 1997 (FFHI).
Finch C.	480-927700-25300	7	71	RB	FINS. 1997 (FFHI).
34013	480-927700-25300-33994	1	72	NFC (RB)	FINS. 1997 (FFHI).
24003	480-927700-25300-44472	1	73	NS	FINS. 1997 (FFHI).
24004	480-927700-25300-45390	1	74	NFC	FINS. 1997 (FFHI).
24007	480-927700-25300-49525	1	75	NFC (RB)	FINS. 1997 (FFHI).
24010	480-927700-25300-50051	1	76	NFC	FINS. 1997 (FFHI).
24011	480-927700-25300-50435	1	77	NFC (RB)	FINS. 1997 (FFHI).
24013	480-927700-25300-51167	1	78	NFC	FINS. 1997 (FFHI).
24020	480-927700-25300-59949	1	79	NS	FINS. 1997 (FFHI).
24021	480-927700-25300-60291	1	80	NFC	FINS. 1997 (FFHI).
34011	480-927700-23680	1	81	NFC	FINS. 1997 (FFHI).
43009	480-938366	1	148	NS	FINS. 1997 (FFHI).
43009	480-938366	3	149	NS	FINS. 1997 (FFHI).
	480-925100	0.1	246	NS	FINS. 1998 (FFHI).
	480-925100	1	247	NS	FINS. 1998 (FFHI).
43501	480-927700-02753	1	248	NS	FINS. 1998 (FFHI).
	480-927700-02800	1	249	NS	FINS. 1998 (FFHI).

Stream ID/ ILP	Watershed Code	Reach	Historic Site #	Fish Species/ Sampling Results	Source/Comments
	480-927700-03700	1	250	RB	FINS. 1998 (FFHI).
	480-927700-03700	3	251	RB	FINS. 1998 (FFHI).
	480-927700-03700	4	252	NFC (RB)	FINS. 1998 (FFHI).
	480-927700-03700	8	253	NFC (RB)	FINS. 1998 (FFHI).
	480-927700-03700-13600	3	254	NFC	FINS. 1998 (FFHI).
	480-927700-03700-14900	1	255	NFC	FINS. 1998 (FFHI).
	480-927700-03900	1	256	NFC	FINS. 1998 (FFHI).
	480-927700-03900	2	257	NFC	FINS. 1998 (FFHI).
	480-927700-03900	4	258	NFC	FINS. 1998 (FFHI).
	480-927700-03900	5.1	259	NFC	FINS. 1998 (FFHI).
	480-927700-08000	0.1	260	NFC (RB)	FINS. 1998 (FFHI).
	480-927700-08000	2	261	NFC	FINS. 1998 (FFHI).
43518	480-927700-08524	1	262	NS	FINS. 1998 (FFHI).
33510	480-927700-10974	1	263	NS	FINS. 1998 (FFHI).
	480-927700-11300	1	264	RB	FINS. 1998 (FFHI).
	480-927700-11300	2	265	NFC	FINS. 1998 (FFHI).
33517	480-927700-11300-31227	1	266	NS	FINS. 1998 (FFHI).
33518	480-927700-12104	1	267	NS	FINS. 1998 (FFHI).
	480-927700-13400	1	268	NFC	FINS. 1998 (FFHI).
	480-927700-13400	2	269	NS	FINS. 1998 (FFHI).
33519	480-927700-13400-26235	1	270	NS	FINS. 1998 (FFHI).
33525	480-927700-13480	1	271	NS	FINS. 1998 (FFHI).
33526	480-927700-14042	1	272	NS	FINS. 1998 (FFHI).
33527	480-927700-14429	1	273	NFC	FINS. 1998 (FFHI).
34501	480-927700-15061	1	274	NS	FINS. 1998 (FFHI).
34503	480-927700-15371	1	275	NS	FINS. 1998 (FFHI).
34504	480-927700-16367	1	276	NFC (RB)	FINS. 1998 (FFHI).
34505	480-927700-16367-83250	1	277	NFC	FINS. 1998 (FFHI).
	480-927700-17200	1	278	NFC	FINS. 1998 (FFHI).
	480-927700-17200	2.1	279	NFC	FINS. 1998 (FFHI).
	480-927700-17200	3	280	NFC	FINS. 1998 (FFHI).
	480-927700-20500	1	281	NS (RB)	FINS. 1998 (FFHI).
	480-927700-22300	1	282	NS (RB)	FINS. 1998 (FFHI).
34539	480-927700-22435	2	283	NFC	FINS. 1998 (FFHI).
34540	480-927700-22435-42457	1	284	NS	FINS. 1998 (FFHI).
	480-927700-22500	0.1	285	NFC (RB)	FINS. 1998 (FFHI).
	480-927700-22500	1	286	NFC	FINS. 1998 (FFHI).
	480-927700-22600	2	287	NFC	FINS. 1998 (FFHI).
34547	480-927700-22846-77678	1	288	NS	FINS. 1998 (FFHI).
	480-927700-23000	1	289	NFC	FINS. 1998 (FFHI).
34551	480-927700-23000-71425	1	290	NFC	FINS. 1998 (FFHI).
24500	480-927700-23050	1	291	NFC	FINS. 1998 (FFHI).
	480-927700-23100	1	292	NFC	FINS. 1998 (FFHI).
24503	480-927700-23599	1	293	NFC	FINS. 1998 (FFHI).
24504	480-927700-23590	1	294	NS	FINS. 1998 (FFHI).
24505	480-927700-23581	1	295	NS	FINS. 1998 (FFHI).

Stream ID/ ILP	Watershed Code	Reach	Historic Site #	Fish Species/ Sampling Results	Source/Comments
24506	480-927700-23572	1	296	NS	FINS. 1998 (FFHI).
24508	480-927700-23554	1	297	NS	FINS. 1998 (FFHI).
34566	480-927700-23843	1	298	NS	FINS. 1998 (FFHI).
	480-927700-03700	8	99	RB	FINS. 2000 (Operational).
	480-927700-03700-14900	5	100	NS	FINS. 2000 (Operational).
	480-927700-03700-27500	1	101	NFC (RB)	FINS. 2000 (Operational).
	480-927700-03700-27500	2	102	NFC	FINS. 2000 (Operational).
	480-927700-03700-27500	3	103	NFC	FINS. 2000 (Operational).
	480-927700-03700-36200	1	104	NFC	FINS. 2000 (Operational).
34017	480-927700-26832	1	108	NFC	FINS. 2000 (Operational).
33002	480-927700-27900	1	109	NFC	FINS. 2000 (Operational).
33801	480-927700-*****	1	110	NFC	FINS. 2000 (Operational).
33008	480-927700-28998	1	111	NS	FINS. 2000 (Operational).
33802	480-927700-*****	1	112	NS	FINS. 2000 (Operational).
33803	480-927700-*****	1	113	NS	FINS. 2000 (Operational).
33804	480-927700-*****	1	114	NFC	FINS. 2000 (Operational).
33011	480-927700-30668	1	115	NS	FINS. 2000 (Operational).
33012	480-927700-31049	2	116	NFC	FINS. 2000 (Operational).
24011	480-927700-25300-50435	1	119	NFC	FINS. 2000 (Operational).
24022	480-927700-25300-64094	1	120	NFC	FINS. 2000 (Operational).
ILP 43508	480-927700-03900-22311	2	23	NFC	FINS. 2001 (Operational).
ILP 43508	480-927700-03900-22311	4	24	NS	FINS. 2001 (Operational).
ILP 43510	480-927700-03700	1	25	NS	FINS. 2001 (Operational).
Taltapin L. Tributary/ ILP 34554	480-927700-23334-94888	1	26	NS	FINS. 2001 (Operational).
34501	480-927700-15061	1	20	NFC	FINS. 2002 (Operational).
	480-927700-17200	2	21	NFC (RB)	FINS. 2002 (Operational).
	480-927700-20500	1	22	RB	FINS. 2002 (Operational).
34532	480-927700-21160	1	23	NS	FINS. 2002 (Operational).
AND36	480-927700-*****	1	24	NS	FINS. 2002 (Operational).
	480-927700-22300	1	25	NFC (RB)	FINS. 2002 (Operational).
34539	480-927700-22435	1	26	NFC	FINS. 2002 (Operational).
34544	480-927700-22765	1	27	NS	FINS. 2002 (Operational).
34548	480-927700-22846	1	28	NFC (RB)	FINS. 2002 (Operational).
34548	480-927700-22846	2	29	NS	FINS. 2002 (Operational).
34551	480-927700-23000-71425	1	30	NFC	FINS. 2002 (Operational).
	480-927700-23100	1	31	NFC	FINS. 2002 (Operational).
33538	480-927700-30845	1	43	NFC	FINS. 2002 (Operational).
	480-927700-30900	1	44	NFC	FINS. 2002 (Operational).
	480-927700-30900	2	45	NFC	FINS. 2002 (Operational).
PCT1	480-927700-*****	1	46	NFC	FINS. 2002 (Operational).
TAL06	480-927700-*****	1	47	NFC	FINS. 2002 (Operational).

3. Methods

Planning for this project entailed compiling existing information and identifying “information gaps”, with the intent being to fill in these gaps with additional sampling information that would supplement and/or solidify all FPC stream classifications. This incorporated any follow-up sampling recommendations made in Reconnaissance Inventory reports. All other aspects of the pre-field phases were conducted as part of the original Reconnaissance Inventory. Sampling to determine upper extents of fish use followed the methodology as outlined in that project planning document.

FDIS data for this project has been consolidated into one FDIS database, which incorporates existing FDIS data from past inventories. Historic site data is not included in the FDIS database, but has been imported into the mapping symbol file (Map features.dbf) for the project. Original FDIS data is included with the digital deliverables for this project.

3.1 Reconnaissance Standards

Methodology used throughout this project was consistent with the standards and methods as defined in the “Reconnaissance (1:20,000) Fish and Fish Habitat Inventory: Standards and Procedures (April 2001)” manual and all standards referenced therein.

Fish Sampling

Electrofishing and visual observation were the primary methods used for fish sampling throughout the field portion of this project. These methods were to be supplemented by the use of minnow traps, when logistically feasible, when electrofishing was not effective or potentially harmful to fish (i.e. deep wetland channels, low water temperatures) and sampling results were inconclusive, but these circumstances did not occur.

Measurements

Stream channel and wetted widths were determined using a meter tape. When possible, a minimum of six channel width measurements were made along each site at a distance of approximately one channel width apart. Stream depth measurements were determined using a meter stick. Stream gradient measurements were determined using an Abney level along several sections of the site. Site lengths were determined either by hip chain or by ground estimate. Measurements of falls were based on ground estimates or calculated using the following formula:

$$H = H_o (\text{gradient } (\%) \text{ to top of falls}) / (\text{gradient } (\%) \text{ to bottom of falls}) + H_o$$

Where H = Height of falls (in m)

And H_o = Eye height of observer (in m)

The above formula is accurate provided the observer is at the same elevation as the base of the falls (i.e., standing at the edge of the plunge pool). Cascade heights and lengths were determined using a hip chain and Abney level. Vertical cascade height was calculated using the gradient and slope distance according to the formula:

$$\text{Height (m)} = \sin(\tan^{-1}(\text{gradient (\%)}) \times \text{slope distance (m)})$$

Stream water temperatures were determined using an alcohol thermometer while pH and conductivity measurements were made using Oakton portable meters, which were calibrated daily using standardized solutions.

Site Numbering Convention

Site numbers for this project have been assigned in an upstream ascending order for all sampled reaches under the scope of this project. Site numbers have been included in all tables that provide specific reach sampling information and on all photographs and photodocumentation indices.

NVC (No Visible Channel) Reaches

There were three types of situations in which site assessment in the field revealed no visible channel. They include reaches where no drainage was present, reaches that were not a stream by FPC definition, or wetland-type reaches where there was no defined channel present. These different types of NVC reaches were noted in the comments on the site cards and are summarized in the "Fish-Bearing Status" section of this report. It is expected that NVC reaches would receive a "Non Classified Drainage" (NCD) FPC classification.

Appendix Layout - FDIS Reach/Site Summaries, Photographs and Maps

FDIS reach site summaries for sampled reaches have been included in Appendix I. In addition to the standard FDIS reach site summary, comments from the corresponding site and fish cards have been extracted from the cards and provided on the bottom of the page. Photodocumentation references for each site have also been included on this summary page. The reach/site summaries are arranged by site number. The photographs are included in Appendix II and are arranged by roll and frame number. The photographs have been reduced in size so that multiple photos can be presented on one page. Each photo is labeled with roll, frame, watershed code/ILP, reach and site numbers so that each photo can be easily cross-referenced in the index, report, the FDIS database, the negative binder and the photo CD's. All photos are available in Kodak photo CD format, included in Attachment II. An interpretive map has also been produced and is included in Appendix III.

Field Equipment

All sampling equipment specifications are listed below:

- Smith-Root model 12B P.O.W. Backpack Electrofishers
- 50 Gee-type minnow traps
- 2 Oakton pHTestr2 pH meters (with pH 7 & 10 buffer solutions)
- 2 Oakton TDSTestr3 conductivity meters (with 1413µS/cm solution)
- Abney Levels, alcohol thermometers, Silva compasses
- Pentax Zoom 90WR cameras
- assorted other equipment including tight chains, hip chains, dip nets, fishing rods, magnifying lenses, meter sticks, meter tapes
- 4X4 trucks equipped with Level 1 First Aid kits and 4 personal First Aid kits, as per WCB requirements

4. Results and Discussion

The following sections present fish and fish habitat information for the project area as identified earlier in this report. Summarized information for all sampled reaches is presented in tabular format in the "Fish Bearing Status section" of this report while detailed site-specific information is available in the Appendices.

4.1 Logistics

No logistical problems were encountered throughout the course of the field sampling portion of this project.

4.2 Fish and Fish Habitat Information

Several physical obstructions to fish migration that influenced fish distribution in the project area were identified in this area. Although some are permanent barriers that mark the upper extent of fish use, few are temporary or "soft" barriers that may influence upstream fish use but can not be used to justify a non fish-bearing FPC classification.

All obstructions are summarized in Table 2 below. Historic barriers and their source information are also included in this table.

Table 2: Summary of historic and new barriers to fish migration found in the Taltapin Sub-unit.

Watershed Code	ILP	TRIM Map	Reach	Site	TYPE	Height (m)	Length (m)	Verified in Field?	Comments
480-927700-03700		93K.043	1	250	Beaver Dam (Historic)	1.4		Historic	FFHI 1998. Temporary obstruction to fish passage. Located at end of reach, 188m from mouth.
480-927700-03700		93K.043	3	251	Beaver Dam (Historic)	2		Historic	FFHI 1998. Temporary obstruction to fish passage. Located at upper boundary
480-927700-03900		93K.043	1	256	Beaver Dam (Historic)	2		Historic	FFHI 1998. Potential obstruction, no apparent passage through/over.
480-927700-08000		93K.043	0.1	260	Falls (Historic)	8		Historic	FFHI 1998. Blocks all fish passage and marks upper extent of fish use in system. Located at end of reach.
480-927700-11300		93K.033	2	168	Beaver Dam	1	7	Y	Temporary barrier which impedes fish passage and decreases u/s habitat value. Located near lower boundary.
480-927700-11300		93K.033	2	168	Beaver Dam	1.3	25	Y	Temporary barrier which impedes fish passage and decreases u/s habitat value. Located 30m u/s from 1st beaver dam.
	34504	93K.034	4	179	Subsurface Flow		10	Y	Blocks all fish passage and marks upper extent of fish use in system. Located at start of reach.
480-927700-17200		93K.034	2.1	279	Falls (Historic)	6		Historic	FFHI 1998. Blocks all fish passage and marks upper extent of fish use in system. Located at end of reach.
480-927700-20500		93K.034	2	193	Dewatering		200	Y	Persistent dewatering which impedes fish passage into u/s reaches. Located in middle of reach downstream from Anderson road.
480-927700-20500		93K.034	2	193	Culvert	1		Y	Temporary obstruction to fish passage (1.0m drop) located at Anderson road crossing.
480-927700-20500		93K.034	4	195	Cascade	4	8	Y	Blocks all fish passage and marks upper extent of fish use in system. Located at start of reach.
480-927700-22300		93K.034	2	197	Dewatering		60	Y	Persistent dewatering which impedes fish passage into u/s reaches. Located in middle of reach upstream from Anderson road.
480-927700-22300		93K.034	2.1	198	Debris Jam	2.5		Y	Temporary barrier which impedes fish passage into u/s reaches. Located in middle of reach.

Watershed Code	ILP	TRIM Map	Reach	Site	TYPE	Height (m)	Length (m)	Verified in Field?	Comments
480-927700-22300		93K.034	3	199	Falls	1.8		Y	Blocks all fish passage and marks upper extent of fish use in system. Located at start of reach.
480-927700-22500		93K.034	0.1	285	Cascade (Historic)	30	100	Historic	FFHI 1998. Blocks all fish passage and marks upper extent of fish use in system. Located at end of reach.
480-927700-22600		93K.034	1	205	Dewatering		30	Y	Persistent dewatering which impedes fish passage and precludes fish use in system. Located at mouth.
	34551	93K.034	1	290	Landslide (Historic)	3	15	Historic	FFHI 1998. Blocks all fish passage and marks upper extent of fish use in system. Located 104m u/s from mouth.
	34013	93K.034	1	224	Subsurface Flow	0	15	Y	Blocks all fish passage and marks upper extent of fish use in system. Located at start of reach. Channel rapidly deteriorates u/s.
	34802	93K.034	0.1	240	Subsurface Flow		17	Y	Blocks all fish passage and marks upper extent of fish use in system. Located at end of reach.

4.2.1 Fish Presence and Distribution

A total of 93 reaches were sampled in the project area during this inventory, supplementing the 114 original sample sites completed in the 1997 and 1998 Reconnaissance inventories and the various operational inventories. Rainbow trout was the only fish species found within the project area, including all the historic sites. Overall fish use in the area is extremely low, often limited by the lack of suitable habitat. When present or assumed present, fish distribution is usually limited by impassable barriers and/or steep gradients.

Rainbow trout were captured in 4 of the 93 sampled reaches and assumed present in an additional 15 reaches that were found to contain sufficient habitat to support RB use, although none were captured. This habitat was determined to be accessible to fish and fish use was subsequently inferred. RB were only found in the -927700-03700 system and the -927700-113000 system, in addition to Finch Creek. All of these are large 2nd order or higher drainages and provide good to excellent overall habitat. The remaining 74 reaches sampled were confirmed to be non fish-bearing. Of these, 47 were determined to be non classified drainages (NCD's) while 27 had fish absence confirmed usually as a result of small size and lack of sufficient habitat.

Of the 207 reaches sampled in the area since 1997, only 14 have been found to contain RB and 7 of these were in the Finch Creek mainstem, further documenting extremely low tributary RB use and possibly indicating an overall lack of habitat suitability in project area streams.

4.2.2 Habitat

Rainbow trout was the only species found within this project area and of the 93 surveyed reaches, they were present in only four reaches. These include reaches 8 and 9 of Finch Creek, reach 2 of 480-927700-11300 and reach 12 of -927700-03700. These findings are consistent with sampling conducted during past reconnaissance and operational inventories that documented low overall fish use and habitat availability in the project area. The best habitat for fish was accordingly found within the above reaches. Of these, excellent rainbow trout rearing habitat is present in both sampled reaches of Finch Creek. Good rainbow trout spawning habitat is present in reach 2 of -927700-11300. This reach has abundant suitable gravels and several fry were captured in this reach. This spawning habitat is significant given its rarity among project area streams.

Most remaining inferred fish-bearing reaches possessed only marginal to fair fish habitat, with most habitat at the time of the survey available in deeper isolated pools. Most reaches were intermittent offering only seasonal use by fish from Pinkut Creek or Taltapin Lake. Fish distribution limits on surveyed tributaries were usually due to an overall lack of any fish habitat or fisheries potential at any water level. Tributaries on the south side of Taltapin Lake were very small and generally too steep for fish use. Habitat within Finch Creek and -927700-03700 is also sufficient to support overwintering for rainbow trout. Most overwintering elsewhere in this watershed likely occurs in lakes and in Pinkut Creek.

4.2.3 Fish Stage, Size and Life History

Fork length and maturity level of all fish sampled were recorded on the individual fish data forms. The life stage (fry, juvenile, or adult) for each fish was determined in the field based on length measurements, physical characteristics, and the habitat in which each fish was found. All captured fish appeared healthy and did not exhibit any external signs of disease.

A total of 31 rainbow trout were sampled within this area and all life stages were represented in this sample (Table 3). The presence of fry and small juveniles (22-41mm) indicates that spawning had occurred earlier in the season.

Rainbow trout may exhibit one of three life history strategies; adfluvial (spawning and rearing for one to three years in streams before moving into lakes to rear or mature), fluvial (spawning and rearing in smaller tributaries and rearing as adults in mainstem rivers or large tributaries), or resident (living their entire lives within smaller, usually headwater, tributaries). Different migratory forms can live in the same river system.

Rainbow trout are spring spawners, and depending on stream flow and water temperatures, will spawn from March to mid-June. Fry emergence usually occurs between June to mid-August. As fry emerge from the spawning gravels, they will move into slow moving waters along the margins and/or pools. As the fish grow, they may inhabit riffle areas where they remain for the summer or move into rearing areas in larger tributaries. By late summer and early fall the young of the year and juveniles may take up residence in suitable overwintering habitat. Based on past inventories in this project area, rainbow trout have been observed spawning in June with subsequent fry emergence occurring generally in August.

The following table presents data for fish species encountered in this watershed. The CPUE column in the table indicates the number of fish captured in 1000 seconds of electrofishing. This data is extracted only from those reaches where the species were sampled.

Table 3: Summary of life stage, length and CPUE data from fish sampled within the Taltapin Sub-unit

Stream Name	Watershed Code	Spp.	Stage	Number of Fish	Mean Length (mm)	Range of Lengths (mm)	CPUE (# of fish/1000 sec electrofishing)
Pinkut C. Watershed	480-927700-*****	RB	F	9	25	22-29	230.8
			J	20	102	41-127	71.4
			A	2	213	188-238	29.4

Figure 2 below provides general information on frequency of occurrence of RB within different length classes for the Pinkut Creek watershed for all fish captured in this inventory.

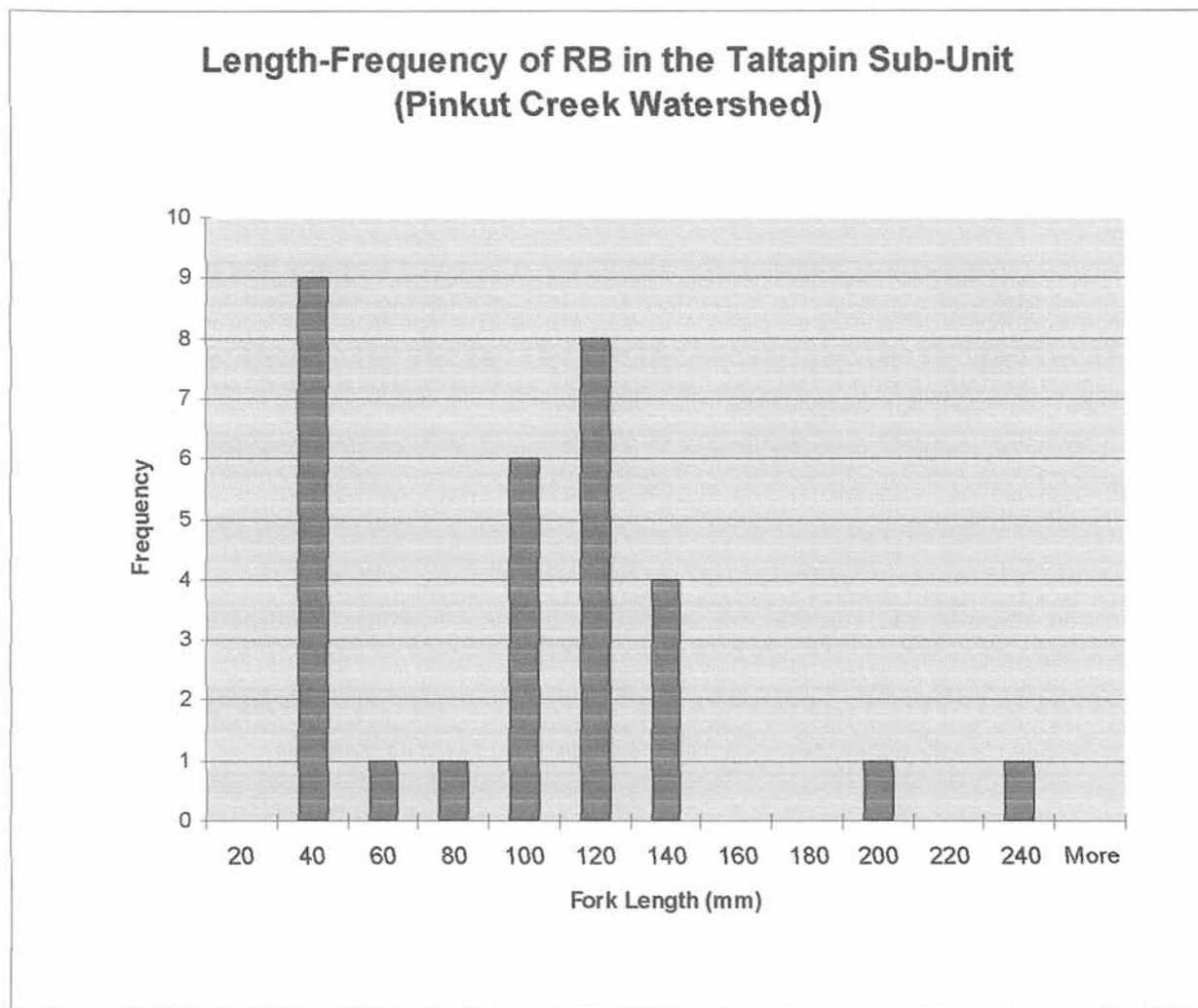


Figure 2: Length-frequency histogram of sampled RB from the Pinkut Creek watershed, July 27 to August 18, 2002.

4.3 Significant Features and Fisheries Observations

4.3.1 Fish and Fish Habitat

Within the Taltapin project area, no significant staging areas or large spawning grounds were identified within the sites sampled in 2002.

4.3.2 Habitat Protection Concerns

4.3.2.1 Fisheries Sensitive Zones

No new fisheries sensitive zones were identified in this inventory.

4.3.2.2 Fish Above 20% Gradients

No fish were captured in gradients greater than 20% in this inventory.

4.3.2.3 Restoration and Rehabilitation Opportunities

No restoration or rehabilitation opportunities were identified in this inventory.

4.4 Fish Bearing Status

The following three sections summarize the fish-bearing status for all surveyed reaches within the project area. The first section summarizes all surveyed reaches; the second section presents information for all non fish-bearing reaches and the third section identifies reaches where follow-up sampling should be conducted. An overview of the process used in determining fish-bearing status is presented in a flowchart in Figure 3 on the following page.

4.4.1 Summary of all Surveyed Reaches

Table 4 on the following pages summarizes all surveyed reaches in the project area. In addition to confirmed fish-bearing reaches, non fish-bearing reaches and reaches requiring follow-up sampling have also been identified and summarized in this table. They are also discussed in further detail in the “Non Fish-bearing Reaches” and “Follow-up Sampling Required” sections of this report.

Stream Classification Process

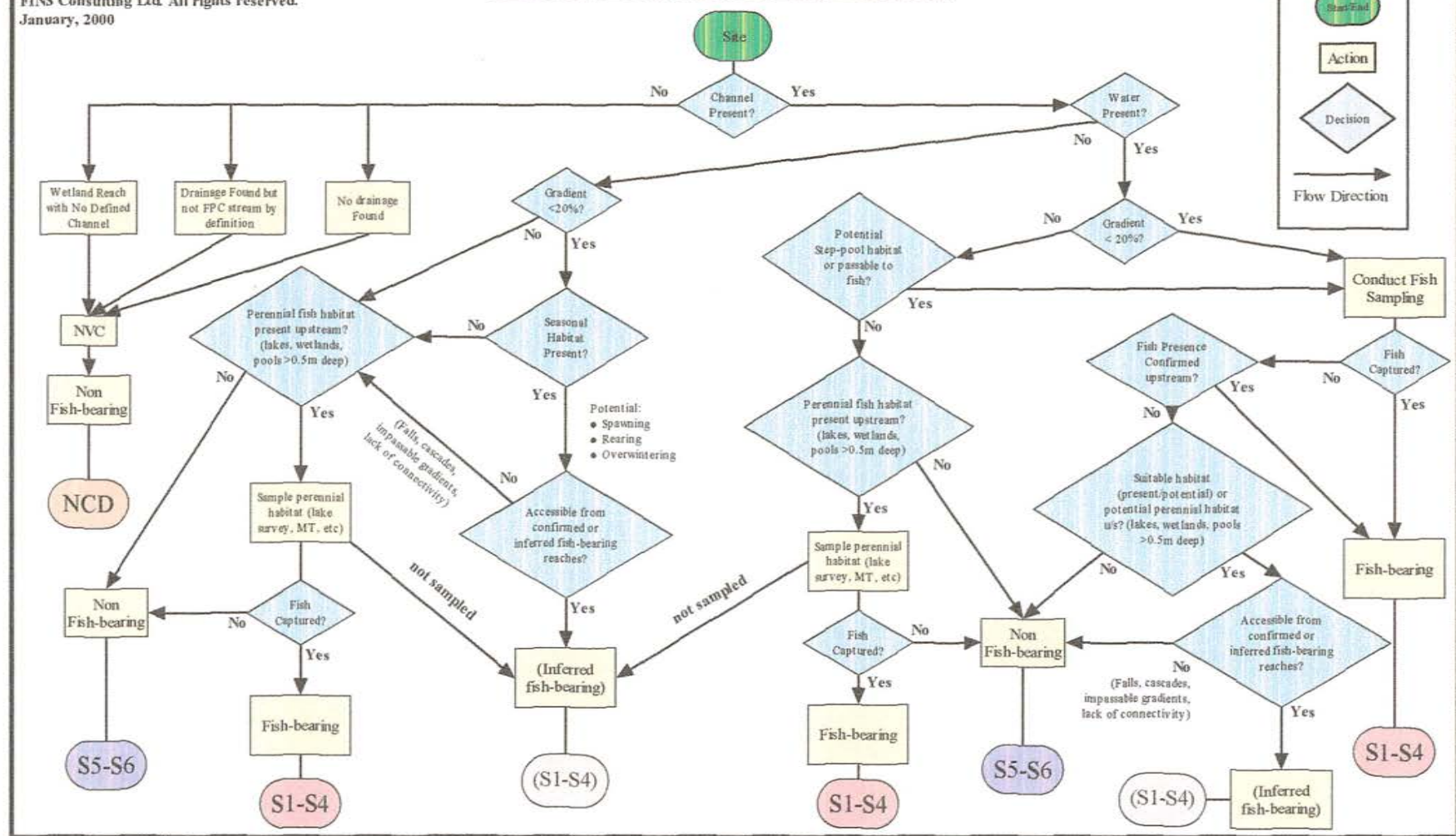


Figure 3: Flowchart of the stream classification process used in determining fish-bearing status of surveyed reaches

Table 4: Summary of data from all surveyed reaches in the Taltapin Sub-unit

Stream Name	Watershed Code	ILP	Reach	Site	Species	Avg CW (m)	Avg Grad (%)	Proposed FPC Class	Follow-up Sampling?	Comments
		43521	1	155	NFC	0.5	5.8	S6	N	Confirmed non fish-bearing.
	480-927700-02800		2	156	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
	480-927700-02800		4	157	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
	480-927700-03700		12	158	RB	1.6	3.8	S3	N	Confirmed fish-bearing.
	480-927700-03700		13	159	NFC (RB)	1.5	0.3	(S3)	N	Assumed fish use - fish habitat present and accessible.
	480-927700-03700		14	160	NFC (RB)	1.4	1.3	(S4)	N	Assumed fish use - fish habitat present and accessible.
	480-927700-03700		16	161	NFC	1.0	1.3	S6	N	Confirmed non fish-bearing.
		43502	1	162	NFC	0.7	2.0	S6	N	Confirmed non fish-bearing.
	480-927700-03700-59500		1	163	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		33500	1	164	NS	1.0	1.5	S6	N	Confirmed non fish-bearing.
		33501	1	165	NFC	0.8	5.8	S6	N	Confirmed non fish-bearing.
		33502	1	166	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		43519	1	167	NS	NA	NS	NCD*	N	Confirmed non fish-bearing.
	480-927700-11300		2	168	RB	1.7	1.8	S3	N	Confirmed fish-bearing.
	480-927700-11300		3	169	NFC (RB)	1.4	3.5	(S4)	N	Assumed fish use - fish habitat present and accessible.
	480-927700-11300		4	170	NFC	1.2	1.0	S6	N	Confirmed non fish-bearing.
		33511	1	171	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		33512	1	172	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		33513	1	173	NS	NA	NS	NCD*	N	Confirmed non fish-bearing.
		33514	1	174	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
	480-927700-13400		2	175	NFC	1.0	3.5	S6	N	Confirmed non fish-bearing.
		34500	1	176	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		34502	1	177	NFC	0.6	6.3	S6	N	Confirmed non fish-bearing.
		34507	1	178	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		34504	4	179	NFC	1.1	7.8	S6	N	Confirmed non fish-bearing.
		34505	2	180	NFC (RB)	1.1	5.3	(S4)	N	Assumed fish use - fish habitat present and accessible.
		34505	3	181	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		34508	1	182	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		34510	1	183	NS	NA	NS	NCD*	N	Confirmed non fish-bearing.
	480-927700-17200		0.2	184	NS	NA	NS	NCD	N	Confirmed non fish-bearing.

Table 4: Summary of data from all surveyed reaches in the Taltapin Sub-unit

Stream Name	Watershed Code	ILP	Reach	Site	Species	Avg CW (m)	Avg Grad (%)	Proposed FPC Class	Follow-up Sampling?	Comments
		34511	1	185	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		34517	1	186	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		34518	1	187	NFC (RB)	1.8	2.3	(S3)	N	Assumed fish use - fish habitat present and accessible.
		34519	1	188	NFC	0.5	6.3	S6	N	Confirmed non fish-bearing.
		34520	1	189	NFC	0.8	2.8	S6	N	Confirmed non fish-bearing.
		34521	1	190	NFC	NA	NS	NCD	N	Confirmed non fish-bearing.
		34523	1	191	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
	480-927700-19800		1	192	NFC (RB)	1.1	1.3	(S4)	N	Assumed fish use - fish habitat present and accessible.
	480-927700-20500		2	193	NFC (RB)	2.4	6.3	(S3)	N	Assumed fish use - fish habitat present and accessible.
	480-927700-20500		3	194	NFC (RB)	2.3	9.8	(S3)	N	Assumed fish use - fish habitat present and accessible.
	480-927700-20500		4	195	NFC	2.6	17.3	S6	N	Confirmed non fish-bearing.
		34524	1	196	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
	480-927700-22300		2	197	NFC (RB)	2.8	3.8	(S3)	N	Assumed fish use - fish habitat present and accessible.
	480-927700-22300		2.1	198	NFC (RB)	2.3	11.3	(S3)	N	Assumed fish use - fish habitat present and accessible.
	480-927700-22300		3	199	NFC	2.3	12.3	S6	N	Confirmed non fish-bearing.
		34566	1	200	NFC	0.5	10.0	S6	N	Confirmed non fish-bearing.
		34565	1	201	NFC	0.8	5.7	S6	N	Confirmed non fish-bearing.
		34564	0.1	202	NFC (RB)	0.9	3.0	(S4)	N	Assumed fish use - fish habitat present and accessible.
		34564	1	203	NS	0.8	4.3	S6	N	Confirmed non fish-bearing.
		34562	1	204	NFC	0.9	13.0	S6	N	Confirmed non fish-bearing.
	480-927700-22600		1	205	NFC	2.5	6.3	S6	N	Confirmed non fish-bearing.
		34561	1	206	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		34560	1	207	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		34559	1	208	NS	NA	7.0	NCD	N	Confirmed non fish-bearing.
		34558	1	209	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		34557	1	210	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		34556	1	211	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		24518	1	212	NS	0.7	15.5	S6	N	Confirmed non fish-bearing.
		24516	1	213	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		24515	1	214	NS	NA	NS	NCD	N	Confirmed non fish-bearing.

Table 4: Summary of data from all surveyed reaches in the Taltapin Sub-unit

Stream Name	Watershed Code	ILP	Reach	Site	Species	Avg CW (m)	Avg Grad (%)	Proposed FPC Class	Follow-up Sampling?	Comments
		24514	1	215	NS	NA	21.0	NCD	N	Confirmed non fish-bearing.
		24513	1	216	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		24512	1	217	NS	NA	12.0	NCD	N	Confirmed non fish-bearing.
		24511	1	218	NFC	0.9	19.0	S6	N	Confirmed non fish-bearing.
		24508	1	219	NS	0.9	3.8	S6	N	Confirmed non fish-bearing.
		24507	1	220	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
Finch C.		34012	8	221	RB	1.6	4.5	S3	N	Confirmed fish-bearing.
Finch C.		34012	9	222	RB	1.8	1.3	S3	N	Confirmed fish-bearing.
		34013	0.1	223	NFC (RB)	1.8	3.0	(S3)	N	Assumed fish use - fish habitat present and accessible.
		34013	1	224	NFC	1.0	4.3	S6	N	Confirmed non fish-bearing.
		34014	1	225	NS	NA	40.0	NCD	N	Confirmed non fish-bearing.
		34015	1	226	NS	NA	30.0	NCD	N	Confirmed non fish-bearing.
		24002	1	227	NS	NA	NS	NCD*	N	Confirmed non fish-bearing.
		24007	2	228	NFC	0.7	2.8	S6	N	Confirmed non fish-bearing.
		24008	1	229	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		24014	0.1	230	NFC (RB)	1.2	4.3	(S4)	N	Assumed fish use - fish habitat present and accessible.
		24014	1	231	NFC	1.5	15.5	S6	N	Confirmed non fish-bearing.
		24015	1	232	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		24016	0.1	233	NFC (RB)	1.4	2.3	(S4)	N	Assumed fish use - fish habitat present and accessible.
		24016	1	234	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		24017	1	235	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		24018	1	236	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		24019	1	237	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		24024	1	238	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		34801	1	239	NS	NA	NS	NCD	N	Confirmed non fish-bearing.
		34802	0.1	240	NFC (RB)	1.4	10.5	(S4)	N	Assumed fish use - fish habitat present and accessible.
		34802	1	241	NFC	1.0	3.8	S6	N	Confirmed non fish-bearing.
		34803	1	242	NS	0.7	19.3	S6	N	Confirmed non fish-bearing.
		33531	1	243	NS	NA	NS	NCD*	N	Confirmed non fish-bearing.
		33532	1	244	NS	NA	NS	NCD*	N	Confirmed non fish-bearing.

Table 4: Summary of data from all surveyed reaches in the Taltapin Sub-unit

Stream Name	Watershed Code	ILP	Reach	Site	Species	Avg CW (m)	Avg Grad (%)	Proposed FPC Class	Follow-up Sampling?	Comments
		33533	2	245	NS	0.6	18.0	S6	N	Confirmed non fish-bearing.
		33535	1	246	NS	NA	NS	NCD*	N	Confirmed non fish-bearing.
		33536	1	247	NS	NA	NS	NCD*	N	Confirmed non fish-bearing.

4.4.2 Non Fish-bearing Reaches

This section summarizes all sampled reaches within this project area that have been designated as non fish-bearing. This has been based on interpretations and conclusions from the synthesis of data collected during Phases I through IV of this inventory. In addition, historic fish sampling results from numerous watersheds in the area (Babine Forest Products Co. 1997 through 2001 Reconnaissance and Operational Inventories) have also been taken into consideration in this section. Table 5 below summarizes this categorized information.

Table 5: Fish sampling results for categorized reach classes (from 1997 through 2001 inventory data).

Reach Gradient Class	Reach Pattern Type	Reach Size Class								
		Small (1 st order)			Medium (2 nd and 3 rd order)			Large (4 th and higher order)		
		Total # of Reaches	# of Reaches with Fish Capture	%	Total # of Reaches	# of Reaches with Fish Capture	%	Total # of Reaches	# of Reaches with Fish Capture	%
1 (≤4%)	ST/SI/IR	270	4	1.48%	554	127	22.92%	99	77	77.78%
	IM/ME/TM	34	3	8.82%	119	26	21.85%	24	11	45.83%
2 (>4% and ≤8%)	ST/SI/IR	172	1	0.58%	322	66	20.50%	29	19	65.52%
	IM/ME/TM	8	0	0.00%	2	1	50.00%	0	0	0.00%
3 (>8% and ≤20%)	ST/SI/IR	144	2	1.39%	148	20	13.51%	9	4	44.44%
	IM/ME/TM	0	0	0.00%	0	0	0.00%	0	0	0.00%
4 (>20% and ≤30%)	ST/SI/IR	45	0	0.00%	25	0	0.00%	1	0	0.00%
	IM/ME/TM	0	0	0.00%	0	0	0.00%	0	0	0.00%
5 (>30%)	ST/SI/IR	9	0	0.00%	4	0	0.00%	0	0	0.00%
	IM/ME/TM	0	0	0.00%	0	0	0.00%	0	0	0.00%

Sampled reaches where fish absence is suspected but not confirmed are not included in this section. They are discussed in the "Follow-up Sampling Required" section of this report.

Determining whether or not any fish use occurs in a specific reach is a complex process, involving much more than applying fish sampling results on a site-specific basis. Specifically, when applying a non fish-bearing recommendation when fish are not captured in a sampling event, a more systematic process is required in order to provide an adequate rationale to support a conclusion of fish absence. Biological evaluation is used which factors in such considerations as known fish distributions and behavior, barriers, gradients, invertebrate presence, habitat quality, and presence/absence of headwater lakes. This process is summarized in the flowchart in Figure 3 above.

As a general rule, two conditions must usually exist in order for fish to inhabit a specific stream reach; 1) presence of fish habitat and 2) accessibility to that habitat. There are exceptions to this, such as presence of resident or adfluvial populations above barriers which otherwise block access, but these situations are considered on an individual basis when appropriate sampling can be undertaken to accurately determine fish presence under these circumstances.

Determining presence of fish habitat requires biological judgment but is based on many tangible factors. A "snapshot" method is used to determine presence of fish habitat at the time of sampling, but this is not sufficient when lack of water limits available habitat. Under these circumstances, a temporal approach is required which factors in the potential for fish habitat presence during a different flow period. In this manner, different habitat requirements for suspected fish species are also considered, such as potential seasonal use for rearing (i.e., higher flow rearing or refuge habitat) or spawning (i.e. suitable gravels, gradient and potential flow). Again, biological judgment is required to recognize this potential habitat, bearing in mind how the different flow regimes may affect the availability of this habitat. Moreover, the presence of potential overwintering or perennial habitat upstream in the watershed (i.e. lakes, wetlands, pools >0.5m deep) is also taken into account and has influence on the fish-bearing status of a specific reach. Existence of habitat or potential habitat, if present, is noted and described in the comments on the site cards.

Once presence of fish habitat has been established, it must be determined whether fish are capable of accessing this habitat. The presence of obstructions to fish in the form of falls, cascades, impassable gradients and lack of connectivity within a watershed may limit fish distribution within a watershed and must be evaluated. When questionable obstructions or soft barriers (i.e., beaver dams, wetlands, NVC reaches) are present, the process for determining the presence of fish habitat upstream must be undertaken and combined with adequate sampling in order to determine fish use.

The fish-bearing status of a specific reach is dependent on the presence of fish habitat, the accessibility to that habitat and is supported by the results of fish sampling. The above process for determining fish presence is an overview of the variables evaluated before fish-bearing status can be accurately ascertained. This entire process is always supplemented by existing fisheries information and interpretations from map and air photo analysis.

Table 6 on the following pages is a summary of all surveyed reaches within this project area that have been recommended for a non fish-bearing designation. It includes relevant site-specific data, some historical information and comments that provide a brief rationale to support the interpretation. The table is simply a summary of the interpretation, and not meant to be a reiteration of the data it summarizes. This data is available in the appendices included in this report.

Once a non-fish bearing conclusion has been established for a sampled reach, all reaches located upstream from that location are considered to be non fish-bearing and no further sampling is required to confirm this conclusion. This is inherent in the process used to determine the non fish-bearing status. Accordingly, only those reaches that were sampled and confirmed to be non fish-bearing are included in this section.

Interpretive mapping of non fish-bearing streams mirrors this procedure, using a solid blue line to denote fish absence, both in the sampled reach and in all reaches upstream. In the case of non classified drainages, a solid green line has been used. A dashed green line on the interpretive maps denotes that no drainage was present as mapped at 1:20,000. These are still referred to as non fish bearing and all reaches upstream are coloured solid blue.

Table 6: Summary of data from surveyed non-fish-bearing reaches in the Taltapin Sub-unit.

Watershed Code	ILP	Reach	Site	Date	Avg CW (m)	Avg Grad (%)	Avg Wb Depth (m)	Exp FPC Spp.	FPC Class	Method	EF Dist (m)	EF Time (s)	Flow Stage	Water Temp (C)	Conductivity (uS/cm)	Turbidity	Voltage (V)	Frequency (Hz)	Pulse Width (uS)	Comments
	43521	1	155	2002/07/27	0.5	5.8	0.1	RB	S6	EF	100	38	L	14	210	C	400	80	6	Resampled from 1998 Recon Inventory - identified NCD and no connection from mouth at Babine Lake in 1998, but lake presence u/s justified resampling. Stream has no suitable rearing habitat (shallow, organic pools) and no spawning habitat present (in lake inlet or outlet) to support isolated fish population. No fish observed in lake.
480-927700-02800		2	156	2002/07/27	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Not an FPC stream, no habitat to support isolated population in lake. Most probable, "creeky" looking thing within 200m radius. Still no fish or signs observed while walking along lake.
480-927700-02800		4	157	2002/07/27	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. No fish, or evidence of, observed in lake. Shallow (5cm), channelized over organic goo, then "stream" becomes dry squishy ground (~60m u/s from lake). No inlet fish habitat to support isolated fish population above NCD/steep gradient at mouth with Pinkut C.
480-927700-03700		16	161	2002/07/28	1.0	1.3	0.2	RB	S6	EF	180	83	L	9	190	C	400	80	4	No suitable RB spawning, rearing or overwintering habitat - small, extremely shallow and almost dry stream, stagnant water, full of organics and sticks. Flows through 10m wide shrubby gully, vegetated mainly by twinberry and alder.
	43502	1	162	2002/07/27	0.7	2.0	0.1	RB	S6	EF	100	168	L	14	50	C	500	80	6	No fish habitat - extremely shallow trickle, tiny organic channel mixed with cobble through dense alder. Abundant LWD, but all over channel and not functional. No discernible flow. 40m u/s from site, channel is dry, followed by impounded water.
480-927700-03700-59500		1	163	2002/07/28	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Squishy mossy meadow with no access to upper reaches, discontinuous channel.
	33500	1	164	2002/07/28	1.0	1.5	0.2	RB	S6	NS			L							No rearing, spawning or overwintering habitat or potential. Borderline stream/NCD, channel frequently vegetated by perennials and shrubs. Snowmelt runoff, watered only for few weeks in the year.
	33501	1	165	2002/07/28	0.8	5.8	0.2	RB	S6	EF	300	401	M	10	170	C	400	80	6	No fish habitat or potential - tiny shallow stream at moderate gradient. No spawning or overwintering habitat and no instream cover for rearing. NFC in 3 sites in parent stream. Frequent subflow sections, more pronounced ~200m u/s from mouth.
	33502	1	166	2002/07/28	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Seepage draining swamp in 30m wide valley, channelized near mouth, then isolated multi-channels, seeping through hummocks, disconnected muddy puddles. No fluvium, not an FPC stream.

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Watershed Code	ILP	Reach	Site	Date	Avg CW (m)	Avg Grad (%)	Avg Wb Depth (m)	Exp FPC Spp.	FPC Class	Method	EF Dist (m)	EF Time (s)	Flow Stage	Water Temp (C)	Conductivity (uS/cm)	Turbidity	Voltage (V)	Frequency (Hz)	Pulse Width (uS)	Comments
	43519	1	167	2002/08/05	NA	NS	0.0	RB	NCD*	NS			NA							No stream/ drainage present at mapped location or within 100m radius. Just forested side slope near Pinkut C.
480-927700-11300		4	170	2002/08/06	1.2	1.0	0.2	RB	S6	EF	150	267	L	12	150	C	400	80	6	Channelized portion (non-pond section) of stream is borderline NCD - extremely shallow trickle over mud and organics. Only discernible flow is at BD outlets, otherwise, shallow and stagnant water. NFC d/s in upper end of reach 2, reach 3 and reach 4. No habitat present in any tributaries. Channel width estimated based on BD outflow channel.
	33511	1	171	2002/08/05	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Seepage - no fluvium, no channel - squishy forested swale.
	33512	1	172	2002/08/05	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Seepage drains bog u/s - no fluvium, no channel, not a stream.
	33513	1	173	2002/08/05	NA	NS	0.0	RB	NCD*	NS			NA							No stream/ drainage present at mapped location or within 100m radius.
	33514	1	174	2002/08/06	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Drainage "flows" in steep, 15m high gully with water percolating thru/over mosses and organics. Occasionally channelized, but discontinuous.
480-927700-13400		2	175	2002/08/06	1.0	3.5	0.1	RB	S6	EF	100	107	M	8	100	C	500	80	6	No fish habitat - stream is small and extremely shallow trickle over organics and SWD with no usable rearing, spawning or overwintering habitat. Channel not even deep enough for potential rearing. NFC in R.1 d/s in 1998 inventory. *Mapped stream is wet depression, real stream found ~100m north (at site UTM).
	34500	1	176	2002/08/06	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Seasonal seepage over/through mosses and organics; no continuous channel bed or fluvium, just moist ground.
	34502	1	177	2002/08/06	0.6	6.3	0.1	RB	S6	EF	100	81	M	8	130	C	500	80	6	No fish habitat - stream is tiny valley wall trickle, extremely shallow over organics/cobble with frequent subsurface flow. Water not deep enough to cover fish. Potential = none - no overwintering here or u/s, no spawning gravels and insufficient flow.
	34507	1	178	2002/08/06	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Any flow from u/s is absorbed in grassy wetland area at Anderson L. with no connection and no fish habitat or potential. All reaches u/s = NFB as no overwintering.
	34504	4	179	2002/08/10	1.1	7.8	0.2	RB	S6	EF	200	388	M	10	150	C	500	80	6	Reach commences with impassable subsurface flow section with no overwintering habitat present u/s. No fish present in watershed upstream from this reach. Also walked/shocked reach 2 and 3, but NFC (accessible but marginal habitat). Overall, marginal fish habitat present but inaccessible.

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Watershed Code	ILP	Reach	Site	Date	Avg CW (m)	Avg Grad (%)	Avg Wb Depth (m)	Exp FPC Spp.	FPC Class	Method	EF Dist (m)	EF Time (s)	Flow Stage	Water Temp (C)	Conductivity (uS/cm)	Turbidity	Voltage (V)	Frequency (Hz)	Pulse Width (uS)	Comments
	34505	3	181	2002/08/10	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. At site, gradient rises slightly and all signs of water and channel disappears. Some water input in R.2. NFC to here, in R.1 and R.2, but no physical barrier present that would limit potential fish use.
	34508	1	182	2002/08/06	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Damp silts, vegetated and discontinuous; no fluvium or continuous channel bed and definitely no fish habitat.
	34510	1	183	2002/08/06	NA	NS	0.0	RB	NCD*	NS			NA							No stream/ drainage present at mapped location or within 100m radius, hence no photos. Note - tiny stream observed @ 10.345353.6026314, may be real mouth of 34510 - channel width 0.5m, grad = 1%, fines/organics, shallow trickle, no fish potential anyway.
480-927700-17200		0.2	184	2002/08/10	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Upper site is dry bed scour with no fish use or passage. Whole stream is messed - huge scour channel splits down mountain and spreads all over forest at upper site UTM; channel splits all over and rejoins at Anderson road. Stream totally dry with no fish habitat or passage, rechannelized u/s but no water.
	34511	1	185	2002/08/10	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Incorrect mapping - at mapped crossing, road crosses parent stream, not this one.
	34517	1	186	2002/08/06	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Moist moss-covered dip in terrain with no fluvium or continuous channel bed, no fish habitat, passage or potential.
	34519	1	188	2002/08/06	0.5	6.3	0.1	RB	S6	EF	100	28	L	9	210	C	500	80	6	No fish habitat or potential - tiny, shallow trickle over organics. Water/channel too shallow to cover fish - surprised channel present, but does not provide any usable fish habitat at any flow level.
	34520	1	189	2002/08/10	0.8	2.8	0.2	RB	S6	EF	100	196	M	10	140	C	500	80	6	Small, seasonal channel over organics - accessible based on gradient, but no suitable RB habitat. No spawning or overwintering potential, too shallow for seasonal rearing.
	34521	1	190	2002/08/07	NA	NS	0.0	RB	NCD	EF	50	36	NA	10	240	C	300	80	4	Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Channelized near mouth with frequent subflow sections. Shallow and organic substrate, originates in wetland 50m from mouth. Not passable to fish into upper reaches.
	34523	1	191	2002/08/07	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Seepage which drains alder corridor.

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Watershed Code	ILP	Reach	Site	Date	Avg CW (m)	Avg Grad (%)	Avg Wb Depth (m)	Exp FPC Spp.	FPC Class	Method	EF Dist (m)	EF Time (s)	Flow Stage	Water Temp (C)	Conductivity (uS/cm)	Turbidity	Voltage (V)	Frequency (Hz)	Pulse Width (uS)	Comments
480-927700-20500		4	195	2002/08/18	2.6	17.3	0.4	RB	S6	EF	200	642	L	8	110	C	500	80	6	Impassable 4m high cascade at start of reach blocks all fish passage and mark upper extent of inferred fish use in system. No fish present in watershed u/s from cascade. Infer RB use to cascade, but only marginal habitat quality d/t steepness.
	34524	1	196	2002/08/18	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Surprisingly had water, but discontinuous trickle over organics, no fluvium, ~15-20% gradient.
480-927700-22300		3	199	2002/08/18	2.3	12.3	0.5	RB	S6	EF	100	488	L	8	110	C	500	80	6	Impassable 1.8m high falls at start of reach blocks all fish passage and mark upper extent of inferred fish use in system. NFC all the way to falls and NFC u/s. Habitat above falls is moderate but isolated and unused.
	34566	1	200	2002/08/17	0.5	10.0	0.2	RB	S6	EF	30	17	L	8	90	C	500	80	6	Tiny, shallow, seasonal and moderately steep stream with no usable fish habitat - no spawning, rearing or overwintering potential. 2nd sampling - NFC - lacks sufficient habitat to support fish. Stream watered only for 30m near mouth.
	34565	1	201	2002/08/17	0.8	5.7	0.2	RB	S6	EF	100	29	L	8	90	C	500	80	6	No potential use in spring d/t overall lack of instream cover - flows through gully with ~15% subflow sections caused by bridged banks. No suitable spawning substrate and too shallow for overwintering. Rearing - none - shallow, exposed. Stream trickles through cobbles.
	34564	1	203	2002/08/17	0.8	4.3	0.1	RB	S6	NS			L							No fish habitat - seasonal, small and shallow channel with no habitat potential.
	34562	1	204	2002/08/17	0.9	13.0	0.1	RB	S6	EF	100	42	L	8	110	C	500	80	6	No fish habitat - small and moderately steep stream with no instream cover at high flow, no pools observed. Gradient increases from the mouth and stream starts to trickle between cobbles. Subflow sections further decreases any possible habitat value.
480-927700-22600		1	205	2002/08/17	2.5	6.3	0.5	RB	S6	EF	210	79	L	9	100	C	500	80	6	No fish use - stream flows on a ~6% alluvial fan at mouth, with frequent percolation through deposited gravel/cobble, blocking fish access. Overall poor fish habitat value anyway, but all inaccessible - poor rearing and no spawning or overwintering habitat potential.
	34561	1	206	2002/08/17	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Moist swale through shrubby corridor; watered only during spring runoff. Dissipates entirely 20m u/s from lake with no continuity.
	34560	1	207	2002/08/17	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Moist shrubby swale with no trace of channel - seepage; all vegetated by alder and Devil's Club.
	34559	1	208	2002/08/17	NA	7.0	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Seepage with discontinuous channel, some patches of fluvium present but mostly organics. Watered during runoff only.
	34558	1	209	2002/08/17	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Nothing but dip in moist slope, vegetated by mixed forest and Devil's Club. No visible flow, percolates underground.

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Watershed Code	ILP	Reach	Site	Date	Avg CW (m)	Avg Grad (%)	Avg Wb Depth (m)	Exp FPC Spp.	FPC Class	Method	EF Dist (m)	EF Time (s)	Flow Stage	Water Temp (C)	Conductivity (uS/cm)	Turbidity	Voltage (V)	Frequency (Hz)	Pulse Width (uS)	Comments
	34557	1	210	2002/08/17	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Seepage through colluvial fan with few short channelized sections (20m) draining directly to Taltapin L. Watered only during runoff over 20% slope covered by Devil's club.
	34556	1	211	2002/08/17	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Nothing but seasonal melt water flow. "Channel" totally vegetated by perennials, drains Devil's club patch. "Flows" on 15% slope.
	24518	1	212	2002/08/17	0.7	15.5	0.5	RB	S6	NS			L	7	120	C				No fish habitat - tiny and steep seasonal stream, flowing down valley wall straight to Taltapin L. No instream cover and no potential fish habitat at other flow levels.
	24516	1	213	2002/08/16	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Dry dip in terrain, vegetation change suggests occasional moistness.
	24515	1	214	2002/08/16	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Devil's club patch, no channel, no water, moist corridor.
	24514	1	215	2002/08/16	NA	21.0	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Occasionally moist depression in terrain filled with Devils' club; lacks fluvium and continuous channel bed; leaves, detritus present from last fall.
	24513	1	216	2002/08/16	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Drainage is a Devil's club corridor.
	24512	1	217	2002/08/16	NA	12.0	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. "Stream" has some very small flow but lacks continuity (no 100m channel bed and fluvium), also no channel or connection to Taltapin L.
	24511	1	218	2002/08/16	0.9	19.0	0.1	RB	S6	EF	100	68	M	7	130	C	500	80	6	No fish habitat or passage - steep, small and very shallow valley wall trickle. Surprised it actually had water, but barely enough to cover probe. Too steep/shallow for fish use.
	24508	1	219	2002/08/16	0.9	3.8	0.2	RB	S6	NS			L							No fish habitat or potential - organics, no scour, bone dry dirt channel, still is covered with last fall's leaves. 2nd sampling - water never seen.
	24507	1	220	2002/08/16	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. No evidence of channel - just depression on steep valley wall with vegetation change d/t moist ground. Seepage.

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Watershed Code	ILP	Reach	Site	Date	Avg CW (m)	Avg Grad (%)	Avg Wb Depth (m)	Exp FPC Spp.	FPC Class	Method	EF Dist (m)	EF Time (s)	Flow Stage	Water Temp (C)	Conductivity (uS/cm)	Turbidity	Voltage (V)	Frequency (Hz)	Pulse Width (uS)	Comments
	34013	1	224	2002/08/08	1.0	4.3	0.3	RB	S6	EF	100	88	L	9	70	C	500	80	6	Reach commences with impassable subsurface flow section, followed by frequent dry and further subflow sections. No passage for fish and no habitat value in this reach anyway. Walked stream from Taltapin Rd. to here - NFC in this section but habitat present and accessible (CW>1.5m = S3).
	34014	1	225	2002/08/08	NA	40.0	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Drainage is very steep seepage down valley wall.
	34015	1	226	2002/08/08	NA	30.0	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Drainage is just steep seepage with no fish habitat or potential, no channel bed or fluvium.
	24002	1	227	2002/08/08	NA	NS	0.0	RB	NCD*	NS			NA							No stream/ drainage present at mapped location or within 100m radius. Nothing to photograph; only dry depression in terrain.
	24007	2	228	2002/08/08	0.7	2.8	0.2	RB	S6	EF	100	309	M	10	40	C	500	80	6	Poor overall habitat value - small and shallow over fines with no spawning or overwintering habitat and frequent subflow in lower reach. Marginal rearing but 2nd sampling NFC and overall limited habitat quality indicates no RB use occurs. Frequent subflow sections in upper end of reach 1 d/s further limits possibility of fish use. Substrate almost all fines/sands/gravel mixed. Will infer RB use in R.1, although sampling indicates no RB use occurs. No spawning habitat observed in reach 1, no overwintering in stream at all.
	24008	1	229	2002/08/08	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Drainage lacks connection to 24007; water absorbed into mosses near mouth. ~0.2m channel width ~20m from mouth, but discontinuous trickle thru moss & cobbles.
	24014	1	231	2002/08/09	1.5	15.5	0.1	RB	S6	EF	150	144	L	8	40	C	600	80	6	No fish habitat - too steep for fish use. Shallow, fast flow at high gradient with no rearing, spawning or overwintering potential.
	24015	1	232	2002/08/09	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Shrubby corridor with signs of wetness during snowmelt. Just isolated mud holes among willow shrub. Drains to wetland adjacent to Finch C.
	24016	1	234	2002/08/09	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Flooded willow shrub wetland, some isolated & channelized sections filled with orange & green algae, water filmy & stagnant.
	24017	1	235	2002/08/09	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Swamp/bog with no channel - some discontinuous & orange algae filled "channels".
	24018	1	236	2002/08/09	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Wetland with squishy ground.

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Watershed Code	ILP	Reach	Site	Date	Avg CW (m)	Avg Grad (%)	Avg Wb Depth (m)	Exp FPC Spp.	FPC Class	Method	EF Dist (m)	EF Time (s)	Flow Stage	Water Temp (C)	Conductivity (uS/cm)	Turbidity	Voltage (V)	Frequency (Hz)	Pulse Width (uS)	Comments
	24019	1	237	2002/08/09	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Wetland which seeps through many discontinuous (<20m) or short channels to Finch C.
	24024	1	238	2002/08/09	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Reach below inferred (S4). Stream accessible to headwaters, walked & seems habitable, but unlikely. Stream flows through wetland in lower part of reach 0.1 with few subflow sections, but not preferable RB habitat. In headwaters, stream percolates through forest/ underground. Shallow with no continuous channel, no fluvium.
	34801	1	239	2002/08/07	NA	NS	0.0	RB	NCD	NS			NA							Not an FPC stream at site location - lacks continuous channel bed. No fish habitat or potential, no connectivity to u/s reaches. Snowmelt runoff - no fluvium, no channel, not a stream. CV should be painted green.
	34802	1	241	2002/08/07	1.0	3.8	0.3	RB	S6	EF	200	229	M	7	110	C	500	80	6	Reach commences with impassable subsurface flow section with no overwintering habitat present u/s. No fish present in watershed upstream from this reach. Overall, moderate fish habitat present but inaccessible.
	34803	1	242	2002/08/07	0.7	19.3	0.1	RB	S6	NS			L	8	100	C				No fish habitat - steep and small stream with no instream cover. Too shallow for sampling, but no habitat present. (stream diverted at road crossing - ditched & crosses road 50m to east from its original location. Old channel overgrown). Stream disperses on d/s side of road, inaccessible to fish.
	33531	1	243	2002/07/28	NA	NS	0.0	RB	NCD*	NS			NA							No stream/ drainage present at mapped location or within 100m radius. Just 30% mountain slope.
	33532	1	244	2002/07/28	NA	NS	0.0	RB	NCD*	NS			NA							No stream/ drainage present at mapped location or within 100m radius. Just slope forested by aspen.
	33533	2	245	2002/07/28	0.6	18.0	0.2	RB	S6	NS			L							No fish habitat - tiny and steep, seasonal runoff channel. No possibility for fish use, no spawning or overwintering u/s.
	33535	1	246	2002/07/28	NA	NS	0.0	RB	NCD*	NS			NA							No stream/ drainage present at mapped location or within 100m radius. Just slope forested by aspen.
	33536	1	247	2002/07/28	NA	NS	0.0	RB	NCD*	NS			NA							No stream/ drainage present at mapped location or within 100m radius. Just gully on d/s side of road crossing.

4.4.3 Follow-up Sampling Required

No follow-up sampling within sampled streams has been recommended for this project. All upper extents of confirmed or inferred fish use have been identified.

5. Bibliography

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6. List of Appendices

Appendix I: FDIS Reach/Site Summaries

Appendix II: Photographs

Appendix III: Hardcopy Maps

**Reconnaissance (1:20,000) Fish and Fish Habitat
Inventory**

**Resampling in the Taltapin Sub-unit
2002/03**

- **Addendum to Subdrainages in the
Babine Lake Watershed - 1998
(WSC 480-*****)**

- **Appendix I: FDIS Reach/Site Summaries**

Reach #	ILP Map #	ILP #
1.0	93K.043	43521

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

STREAM REFERENCING

Gazetted Name:	Local Name:		
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000-000	ILP Map #: 93K.043	ILP #:	43521

REACH

Reach #: 1.0	UTM(Zone/East/North): 10.340325.6034614				Sample Type:	Biased
Length (km): 27	Coupling:	Magnitude:	BGC Zone:			
Gradient (%): 6.3	Confinement: Occasionally Con		Order: 1	Open water:		
US Elev (m): 837	Islands:	Riparian Vegetation:				
Bars: ☐ None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:						

SITE

Site #: 155	Field UTM 10.340365.6034629	Agency: C016	Crew: SR/MJ	Date: 2002/07/27
Site Length (m): 100	GIS UTM 10.340365.6034632	Agency Name: FINS Consulting Ltd.		

CHANNEL

No Vis.Ch.: ☐	Intermittent: ☒		Avg	Min	Max	#		Avg	Min	Max	#	
Dewatered: ☐	Tribs.: ☐											
		Channel Width (m):	0.47	0.300	0.600	6		Gradient %:	5.75	5	6	4
Stage: Low ☒		Wetted Width (m):	0.08	0	0.300	6		Pool Depth (m):	0.02	0.01	0.03	2
Med ☐		Bankfull Depth (m):	0.10	0.1	0.1	3						
High ☐												
	Temp (C): 14	pH: 7.6				Conductivity: 210		Turbidity: Turbid ☐		Low ☐		
								Moderate ☐		Clear ☒		

MORPHOLOGY

[illegible]

COVER

Total Cover: Trace		Type:	SWD	LWD	B	U	DP	OV	IV	
LWD: Few		Amount:	N	N	N	N	D	S	N	
LWD Dist: Evenly Distributed		Location: P/S/O:	☐	☐	☐	☐	☒	☒	☐	FSZ: ☐
Right Bank:	Shape: Sloping (g)	Texture: Fines ☒	Gravel ☐	Cobble ☐	Boulder ☐	Rock ☐	Manmade ☐	Crown Closure		
Left Bank:	Shape: V - shape	Texture: Fines ☒	Gravel ☐	Cobble ☐	Boulder ☐	Rock ☐	Manmade ☐	21-40%		
Right Bank:	Rip.Veg: Shrubs	Stage: Not Applicable								
Left Bank:	Rip.Veg:	Stage: Not Applicable								
		Instream Veg: None ☐		Algae ☐	Moss ☐	Vascular ☒				

151

Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
155	EF	1				NFC	0		

Roll# 8, Frame# 21, CD# 2, Image#167, Direction: Upstream, Scale/Comment:water meter
Roll# 8, Frame# 22, CD# 2, Image#168, Direction: Downstream, Scale/Comment:cam bag
refers to the only 3 organic, shallow puddles on organic. resampling - NCD @ mouth @ Babine L., no connection; sampled d/t
lake presence to confirm. no fish observed in lake, no inlets and no spawning habitat or potential to support isolated population.
site = UTM = ~100m d/s from lake. Other - poor. Rearing Habitat - none - shallow organic puddles, no flow, stagnant. Spawning
Habitat - none - all organic or angular cobble. Overwintering Habitat - none - present in lake though

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

Reach # ILP Map # ILP #

Watershed Code: 480-927700-02800-00000-00000-00000-00000-00000-00000-000

2.0

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 480-927700-02800-00000-00000-00000-00000-00000-00000-000					ILP Map #:		ILP #:		
REACH									
Reach #: 2.0		UTM(Zone/East/North): 10.341320.6034271				Sample Type:		Biased	
Length (km): .13		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 0.8		Confinement: Unconfined		Order: 1		Open water:			
US Elev (m): 806		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 156		Field UTM 10.341413.6034342		Agency: C016		Crew: SR/MJ		Date: 2002/07/27	
Site Length (m): 150		GIS UTM 10.341400.6034274		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒ Intermittent: ☐		Dewatered: ☐ Tribs.: ☐							
Stage: Low ☐		Med ☐		High ☐		Temp (C):		pH:	
						Conductivity:		Turbidity: Turbid ☐ Low ☐	
								Moderate ☐ Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐					
Subdominant:		D (cm):		Braid ☐					
Channel Pattern:		Islands:		DISTURBANCE INDICATORS		O1 B1 B2 B3 D1 D2 D3			
Coupling:						C1 C2 C3 C4 C5 S1 S2 S3 S4 S5			
Confinement:									
Morphology:									
COVER									
Total Cover:		Type:		SWD LWD B U DP OV IV					
LWD:		Amount:							
LWD Dist:		Location: P/S/O:				FSZ: ☐			
Right Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐		Crown Closure					
Left Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐							
Right Bank: Rip.Veg:		Stage:							
Left Bank: Rip.Veg:		Stage:		Instream Veg: None ☐ Algae ☐ Moss ☐ Vascular ☐					

Roll# 8, Frame# 24, CD# 2, Image#170, Direction: Upstream, Scale/Comment: no scale - Devil's Club
not an FPC stream, no habitat to support isolated population in lake. site = d/s from lake = UTM = most probable, creek looking
thing within 200m radius. still no fish or signs observed while walking along lake. Other - none - no water, no channel, no
connection

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

Reach # ILP Map # ILP #

Watershed Code: 480-927700-02800-00000-00000-000-000-000-000-000-000

4.0

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 480-927700-02800-00000-00000-000-000-000-000-000-000					ILP Map #:		ILP #:		
REACH									
Reach #: 4.0		UTM(Zone/East/North): 10.340914.6034036				Sample Type:		Biased	
Length (km): .15		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 8.0		Confinement: Unconfined		Order: 1		Open water:			
US Elev (m): 818		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 157		Field UTM 10.340980.6034109		Agency: C016		Crew: SR/MJ		Date: 2002/07/27	
Site Length (m): 100		GIS UTM 10.341031.6034097		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐							
Dewatered: ☐		Tribes: ☐							
Stage: Low ☐									
Med ☐									
High ☐									
Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐		Side ☐		Diagonal ☐	
Subdominant:		D (cm):				Mid-channel ☐		Span ☐	
Channel Pattern:		Islands:		DISTURBANCE		O1 B1 B2 B3 D1 D2 D3			
Coupling:				INDICATORS					
Confinement:				C1 C2 C3 C4 C5 S1 S2 S3 S4 S5					
Morphology:									
COVER									
Total Cover:		Type:		SWD		LWD		B	
LWD:		Amount:							
LWD Dist:		Location: P/S/O:							
Right Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Left Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg:		Stage:							
Left Bank: Rip.Veg:		Stage:							
		Instream Veg: None ☐		Algae ☐		Moss ☐		Vascular ☐	

Roll# 8, Frame# 23, CD# 2, Image#169, Direction: Across, Scale/Comment: cam bag
no fish, or evidence of, observed in lake. shallow (5cm) channelized over organic goo, then "stream" becomes just dry squishy ground (~60m u/s from lake). site = UTM = ~40m u/s from lake. Other - none - no inlet fish habitat to support isolated fish population above NCD/steep gradient @ mouth with Pinkut C.

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

Reach # ILP Map # ILP #

Watershed Code: 480-927700-03700-00000-00000-000-000-000-000-000-000

12.0

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 480-927700-03700-00000-00000-000-000-000-000-000-000					ILP Map #:		ILP #:		
REACH									
Reach #: 12.0		UTM(Zone/East/North): 10.340873.6030126				Sample Type:		Biased	
Length (km): .27		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 2.2		Confinement: Frequently Confin		Order: 2		Open water:			
US Elev (m): 885		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: ☐									
SITE									
Site #: 158		Field UTM 10.341030.6030270		Agency: C016		Crew: SR/MJ		Date: 2002/07/27	
Site Length (m): 100		GIS UTM 10.341022.6030285		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☐							
Dewatered: ☐		Tribes.: ☐							
Stage: Low ☐									
Med ☒									
High ☐									
Temp (C): 16		pH: 8.2		Conductivity: 170		Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Cobble		D95 (cm): 18.00		Bars: Non ☒		Side ☐		Diagonal ☐	
Subdominant: Gravels		D (cm): 3.00				Mid-channel ☐		Span ☐	
Channel Pattern: Sinuous		Islands: None		DISTURBANCE INDICATORS		O1		B1 B2 B3 D1 D2 D3	
Coupling: Partially Coupled									
Confinement: Frequently Confined									
Morphology: RP Riffle Pool									
COVER									
Total Cover: Abundant									
LWD: Few									
LWD Dist: Evenly Distributed									
Right Bank: Shape: Undercut		Texture: Fines ☒		Gravel ☐		Cobble ☒		Boulder ☐	
Left Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☐		Cobble ☒		Boulder ☐	
Right Bank: Rip.Veg: Shrubs		Stage: Not Applicable							
Left Bank: Rip.Veg:		Stage: Not Applicable		Instream Veg: None ☒		Algae ☐		Moss ☐	
								Vascular ☐	
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
158	EF	1	100	19 sec	400	RB	5	88	112

Roll# 9, Frame# 2, CD# 2, Image#173, Direction: Downstream, Scale/Comment:probe
 Roll# 9, Frame# 3, CD# 2, Image#174, Direction: Upstream, Scale/Comment:cam bag
 site = UTM = near lower boundary. Overwintering Habitat - fair - may not be deep enough, but good flow, maybe permanent.
 Spawning Habitat - fair-mod - occasional gravels, opportunistic. Rearing Habitat - nice RB habitat especially in pools and LWD pool areas

Roll# 9, Frame# 6, CD# 2, Image#177, Direction: Upstream, Scale/Comment:cam bag - channelized section between BDs
Roll# 9, Frame# 7, CD# 2, Image#178, Direction: Downstream, Scale/Comment:MJ,dog - BP section
site = UTM. flows through valley with numerous beaver dams. fresh water shrimp indicates fish absence. Rearing Habitat - good in many ponds and deep channel between BD's. Other - overall poor RB habitat. Spawning Habitat - none - mostly fines (99%).
Overwintering Habitat - good potential in many boulder pools

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

Reach # ILP Map # ILP #

Watershed Code: 480-927700-03700-00000-0000-000-000-000-000-000

14.0

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 480-927700-03700-00000-0000-000-000-000-000-000					ILP Map #:		ILP #:		
REACH									
Reach #: 14.0		UTM(Zone/East/North): 10.339923.6030026				Sample Type:		Biased	
Length (km): .38		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 1.1		Confinement: Occasionally Con				Order: 2		Open water:	
US Elev (m): 904		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 160		Field UTM 10.340165.6029940		Agency: C016		Crew: MJ/SR		Date: 2002/07/28	
Site Length (m): 400		GIS UTM 10.340175.6029949		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribes: ☐		Channel Width (m): 1.38		1.200		1.700	
Stage: Low ☐				Wetted Width (m): 1.05		0.800		1.3	
Med ☒				Bankfull Depth (m): 0.37		0.3		0.4	
High ☐									
Temp (C): 14		pH: 8.4		Conductivity: 200		Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Fines		D95 (cm): 6.00		Bars: Non ☐		Side ☒		Diagonal ☐	
Subdominant: Gravels		D (cm): 2.00						Mid-channel ☐	
Channel Pattern: Sinuous		Islands: None		DISTURBANCE		O1		B1	
Coupling: Decoupled				INDICATORS		C1		C2	
Confinement: Occasionally Confine						C3		C4	
Morphology: RP Riffle Pool						S1		S2	
						S3		S4	
						S5			
COVER									
Total Cover: Trace		Type: SWD		LWD		B		U	
LWD: Few		Amount: T		T		N		T	
LWD Dist: Evenly Distributed		Location: P/S/O:		☒		☒		☒	
				☒		☒		☒	
Right Bank: Shape: Sloping (g)		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☐	
Left Bank: Shape: Sloping (g)		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg: Shrubs		Stage: Not Applicable		Instream Veg: None ☐		Algae ☐		Moss ☐	
Left Bank: Rip.Veg:		Stage: Not Applicable						Vascular ☒	
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
160	EF	1	400	517 sec	400	NFC	0		

Roll# 9, Frame# 10, CD# 2, Image#181, Direction: Downstream, Scale/Comment: cam bag - channel in breached BD/pond section
Roll# 9, Frame# 11, CD# 2, Image#182, Direction: Upstream, Scale/Comment: probe
site = UTM. flows through few old BD's breached now, with mucky channel in this section and no shrubs yet. presence of FW shrimp indicates fish absence. Rearing Habitat - poor-fair in exposed channel. Spawning Habitat - poor - some graveled sections available but generally stream lacks holding places. Overwintering Habitat - none - shallow and exposed channel

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

Reach # ILP Map # ILP #

Watershed Code: 480-927700-03700-00000-0000-0000-000-000-000-000-000

16.0

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 480-927700-03700-00000-0000-0000-000-000-000-000-000					ILP Map #:		ILP #:		
REACH									
Reach #: 16.0		UTM(Zone/East/North): 10.339401.6029449				Sample Type:		Biased	
Length (km): .23		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 0.9		Confinement: Occasionally Con		Order: 2		Open water:			
US Elev (m): 920		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 161		Field UTM 10.339588.6029497		Agency: C016		Crew: MJ/SR		Date: 2002/07/28	
Site Length (m): 180		GIS UTM 10.339574.6029486		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Trib.: ☐		Channel Width (m): 1.05		0.7		1.4	
Stage: Low ☒				Wetted Width (m): 0.50		0.300		0.800	
Med ☐				Bankfull Depth (m): 0.17		0.1		0.2	
High ☐				Temp (C): 9		pH: 8.6		Conductivity: 190	
								Turbidity: Turbid ☐ Low ☐	
								Moderate ☐ Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Fines		D95 (cm): 0.10		Bars: Non ☒		Side ☐		Diagonal ☐ Mid-channel ☐ Span ☐	
Subdominant: Not Applicable		D (cm): 0.10						Braid ☐	
Channel Pattern: Sinuous		Islands: None		DISTURBANCE INDICATORS		O1		B1 B2 B3 D1 D2 D3	
Coupling: Partially Coupled									
Confinement: Occasionally Confine				C1 C2 C3 C4 C5 S1 S2 S3 S4 S5					
Morphology: LC Large Channel									
COVER									
Total Cover: Abundant		Type: SWD		LWD		B		U	
LWD: Few		Amount: D		T		N		T	
LWD Dist: Evenly Distributed		Location: P/S/O:		☒		☒		☒	
								FSZ: ☐	
Right Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☐ Rock ☐ Manmade ☐	
Left Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☐ Rock ☐ Manmade ☐	
Right Bank: Rip.Veg: Shrubs		Stage: Not Applicable						Crown Closure 21-40%	
Left Bank: Rip.Veg:		Stage: Not Applicable						Instream Veg: None ☒ Algae ☐ Moss ☐ Vascular ☐	
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
161	EF	1	180	83 sec	400	NFC	0		
Roll# 9, Frame# 14, CD# 2, Image#185, Direction: Upstream, Scale/Comment:dog Roll# 9, Frame# 15, CD# 2, Image#186, Direction: Bed, Scale/Comment:cam bag flows through 10m wide shrubby gully, vegetated mainly by twinberry and alder. site = UTM = confluence with ILP 33502. Other - No fish habitat - small and almost dry stream, very shallow, almost stagnant water, full of organics and sticks, no preferable RB habitat; no S, R, O									

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # 1.0 ILP Map # 93K.043 ILP # 43502

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.043		ILP #: 43502		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.340836.6032738				Sample Type: Biased			
Length (km): .18		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 2.2		Confinement: Unconfined		Order: 2		Open water:			
US Elev (m): 836		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 162		Field UTM 10.340982.6032701		Agency: C016		Crew: SR/MJ		Date: 2002/07/27	
Site Length (m): 120		GIS UTM 10.340988.6032710		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☒							
Dewatered: ☐		Trib.: ☐							
Stage: Low ☒									
Med ☐									
High ☐									
Temp (C): 14		pH: 8.1		Conductivity: 50					
						Turbidity: Turbid ☐		Low ☐	
								Moderate ☐ Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Fines		D95 (cm): 20.00		Bars: Non ☒		Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐			
Subdominant: Cobble		D (cm): 0.10						Braid ☐	
Channel Pattern: Irregular, Wandering		Islands: None		DISTURBANCE INDICATORS		O1 B1 B2 B3 D1 D2 D3			
Coupling: Partially Coupled									
Confinement: Occasionally Confine									
Morphology: RP Riffle Pool									
COVER									
Total Cover: Trace									
LWD: Few									
LWD Dist: Evenly Distributed									
Right Bank: Shape: Sloping (g)		Texture: Fines ☒ Gravel ☐ Cobble ☒ Boulder ☐ Rock ☐ Manmade ☐						Crown Closure	
Left Bank: Shape: V - shape		Texture: Fines ☒ Gravel ☐ Cobble ☒ Boulder ☐ Rock ☐ Manmade ☐						41-70%	
Right Bank: Rip.Veg: Shrubs		Stage: Not Applicable							
Left Bank: Rip.Veg:		Stage: Not Applicable				Instream Veg: None ☒ Algae ☐ Moss ☐ Vascular ☐			
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
162	EF	1	100	168 sec	500	NFC	0		
Roll# 8, Frame# 25, CD# 2, Image#171, Direction: Upstream, Scale/Comment:cam bag Roll# 9, Frame# 1, CD# 2, Image#172, Direction: Downstream, Scale/Comment:cam bag abundant LWD, but over channel and not functional. no discernible flow, 40m u/s from site channel is dry, followed by impounded water. site = UTM = 5m u/s from mouth. crap creek. Rearing Habitat - poor-none - extremely shallow trickle, tiny organic channel mixed with cobble through dense alder; nothing of value or RB friendly. Other - poor - none perennial, no spawning, no overwintering.									

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

Reach # ILP Map # ILP #

Watershed Code: 480-927700-03700-59500-0000-0000-000-000-000-000-000

1.0

STREAM REFERENCING											
Gazetted Name:				Local Name:							
Watershed Code: 480-927700-03700-59500-0000-0000-000-000-000-000-000				ILP Map #:				ILP #:			
REACH											
Reach #: 1.0		UTM(Zone/East/North): 10.340357.6030205				Sample Type: Biased					
Length (km): .37		Coupling:		Magnitude:		BGC Zone:					
Gradient (%): 0.3		Confinement: Unconfined		Order: 1		Open water:					
US Elev (m): 893		Islands:		Riparian Vegetation:							
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:											
SITE											
Site #: 163		Field UTM 10.340473.6030071		Agency: C016		Crew: MJ/SR		Date: 2002/07/28			
Site Length (m): 100		GIS UTM 10.340473.6030078		Agency Name: FINS Consulting Ltd.							
CHANNEL											
No Vis.Ch.: ☒		Intermittent: ☐		Avg		Min		Max		#	
Dewatered: ☐		Trib.: ☐		Channel Width (m):		0.00		0		0	
Stage: Low ☐				Wetted Width (m):		0.00		0		0	
Med ☐				Bankfull Depth (m):		0.00		0		0	
High ☐											
Temp (C):		pH:		Conductivity:							
Turbidity: Turbid ☐ Low ☐ Moderate ☐ Clear ☐											
MORPHOLOGY											
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐							
Subdominant:		D (cm):		Braid ☐							
Channel Pattern:		Islands:		DISTURBANCE INDICATORS		O1		B1		B2	
Coupling:						D1		D2		D3	
Confinement:						C1		C2		C3	
Morphology:						C4		C5		S1	
						S2		S3		S4	
						S5					
COVER											
Total Cover:		Type:		SWD		LWD		B		U	
LWD:		Amount:									
LWD Dist:		Location: P/S/O:									
Right Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐								Crown Closure	
Left Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐									
Right Bank: Rip.Veg:		Stage:									
Left Bank: Rip.Veg:		Stage:								Instream Veg: None ☐ Algae ☐ Moss ☐ Vascular ☐	

Roll# 9, Frame# 8, CD# 2, Image#179, Direction: Downstream, Scale/Comment:cam bag - "channel" dissipating
Roll# 9, Frame# 9, CD# 2, Image#180, Direction: Upstream, Scale/Comment:cam bag
site = UTM. squishy mossy meadow with no access to upper reaches, discontinuous channel. Other - No fish habitat

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #

1.0 93K.033 33500

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.033		ILP #: 33500		
REACH									
Reach #: 1.0		UTM (Zone/East/North): 10.340140.6029023				Sample Type: Biased			
Length (km): 1.11		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 1.4		Confinement: Unconfined		Order: 1		Open water:			
US Elev (m): 910		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 164		Field UTM 10.340587.6029810		Agency: C016		Crew: MJ/SR		Date: 2002/07/28	
Site Length (m): 150		GIS UTM 10.340524.6029843		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☒		Avg		Min		Max	
Dewatered: ☐		Tribes.: ☐		Channel Width (m): 1.03		0.600		1.5	
Stage: Low ☒				Wetted Width (m): 0.00		0		0	
Med ☐				Bankfull Depth (m): 0.17		0.1		0.2	
High ☐									
Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☐	
MORPHOLOGY									
Bed Material: Dominant: Fines		D95 (cm): 3.00		Bars: Non ☒		Side ☐		Diagonal ☐	
Subdominant: Gravels		D (cm): 1.00				Mid-channel ☐		Span ☐	
Channel Pattern: Irregular, Wandering		Islands: None		DISTURBANCE		O1		B1	
Coupling: Decoupled				INDICATORS		B2		B3	
Confinement: Unconfined						D1		D2	
Morphology: RP Riffle Pool						D3			
				C1		C2		C3	
				C4		C5		S1	
				S2		S3		S4	
				S5					
COVER									
Total Cover: None		Type: SWD		LWD		B		U	
LWD: Few		Amount: N		N		N		N	
LWD Dist: Evenly Distributed		Location: P/S/O:							
Right Bank: Shape: Sloping (g)		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☐	
Left Bank: Shape: Sloping (g)		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg: Shrubs		Stage: Not Applicable							
Left Bank: Rip.Veg:		Stage: Not Applicable							
				Instream Veg: None ☒		Algae ☐		Moss ☐	
								Vascular ☐	

Roll# 9, Frame# 4, CD# 2, Image#175, Direction: Upstream, Scale/Comment:cam bag

Roll# 9, Frame# 5, CD# 2, Image#176, Direction: Downstream, Scale/Comment:cam bag

snowmelt runoff, watered only for few weeks the most; borderline stream/NCD, channel frequently vegetated by perennials and shrubs. site = UTM. Other - No fish habitat - no R, S, O

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # 1.0 ILP Map # 93K.033 ILP # 33501

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-00000-000-000-000-000-000-000					ILP Map #: 93K.033		ILP #: 33501		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.338790.6029606				Sample Type:		Biased	
Length (km): 1.15		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 5.6		Confinement: Frequently Confin		Order: 1		Open water:			
US Elev (m): 978		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 165		Field UTM 10.339802.6029658		Agency: C016		Crew: MJ/SR		Date: 2002/07/28	
Site Length (m): 300		GIS UTM 10.339808.6029658		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribes.: ☐		Channel Width (m): 0.85		0.600		1.100	
Stage: Low ☐				Wetted Width (m): 0.78		0.600		1	
Med ☒				Bankfull Depth (m): 0.20		0.2		0.2	
High ☐									
Temp (C): 10		pH: 8.4		Conductivity: 170		Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Gravels		D95 (cm): 8.00		Bars: Non ☒		Side ☐		Diagonal ☐	
Subdominant: Cobble		D (cm): 4.00						Mid-channel ☐	
Channel Pattern: Sinuous		Islands: None		DISTURBANCE INDICATORS		O1		B1	
Coupling: Coupled						B2		B3	
Confinement: Confined						D1		D2	
Morphology: CP Cascade Pool						D3			
				C1		C2		C3	
				C4		C5		S1	
				S2		S3		S4	
				S5					
COVER									
Total Cover: Abundant		Type: SWD		LWD		B		U	
LWD: Few		Amount: T		T		N		S	
LWD Dist: Evenly Distributed		Location: P/S/O:		☒		☒		☒	
				☒		☒		☒	
Right Bank: Shape: Undercut		Texture: Fines ☒		Gravel ☒		Cobble ☐		Boulder ☐	
Left Bank: Shape: Undercut		Texture: Fines ☒		Gravel ☒		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg: Coniferous		Stage: Mature forest		Instream Veg: None ☒		Algae ☐		Moss ☐	
Left Bank: Rip.Veg:		Stage: Mature forest				Vascular ☐			
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
165	EF	1	300	401 sec	400	NFC	0		
Roll# 9, Frame# 16, CD# 2, Image#187, Direction: Upstream, Scale/Comment:cam bag Roll# 9, Frame# 17, CD# 2, Image#188, Direction: Downstream, Scale/Comment:cam bag flows through narrow gully; frequent subflow sections, more pronounced ~200m u/s from mouth. ~75% flow contributor. site = UTM. Other - best habitat of all reaches in -03700 system above reach 12; habitat not used d/t persistent beaver activity d/s in parent stream. Spawning Habitat - none - to fast during spring runoff, mixed large and small gravels. Overwintering Habitat - none - too shallow. Rearing Habitat - poor overall, stream lacks good instream cover, no significant pool, B or LWD to slow down the flow, especially in spring									

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # 1.0 ILP Map # 93K.033 ILP # 33502

STREAM REFERENCING											
Gazetted Name:						Local Name:					
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000						ILP Map #: 93K.033		ILP #: 33502			
REACH											
Reach #: 1.0		UTM (Zone/East/North): 10.338730.6029040				Sample Type: Biased					
Length (km): 1.00		Coupling:		Magnitude:		BGC Zone:					
Gradient (%): 6.8		Confinement: Occasionally Con		Order: 1		Open water:					
US Elev (m): 986		Islands:		Riparian Vegetation:							
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:											
SITE											
Site #: 166		Field UTM 10.339588.6029497		Agency: C016		Crew: MJ/SR		Date: 2002/07/28			
Site Length (m): 150		GIS UTM 10.339574.6029486		Agency Name: FINS Consulting Ltd.							
CHANNEL											
No Vis.Ch.: ☒		Intermittent: ☐		Avg		Min		Max		#	
Dewatered: ☐		Tribes.: ☐		Channel Width (m): 0.00		0		0		0	
Stage: Low ☐				Wetted Width (m): 0.00		0		0		0	
Med ☐				Bankfull Depth (m): 0.00		0		0		0	
High ☐		Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐		Low ☐	
								Moderate ☐		Clear ☐	
MORPHOLOGY											
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐		Side ☐		Diagonal ☐		Mid-channel ☐	
Subdominant:		D (cm):								Span ☐	
Channel Pattern:		Islands:		DISTURBANCE INDICATORS		O1		B1		B2	
Coupling:						D1		D2		D3	
Confinement:				C1		C2		C3		C4	
Morphology:				C5		S1		S2		S3	
						S4		S5			
COVER											
Total Cover:		Type:		SWD		LWD		B		U	
LWD:		Amount:									
LWD Dist:		Location: P/S/O:								FSZ: ☐	
Right Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐		Rock ☐	
Left Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐		Rock ☐	
Right Bank: Rip.Veg:		Stage:								Crown Closure	
Left Bank: Rip.Veg:		Stage:								Instream Veg: None ☐	
										Algae ☐	
										Moss ☐	
										Vascular ☐	

Roll# 9, Frame# 12, CD# 2, Image#183, Direction: Upstream, Scale/Comment:boot
 Roll# 9, Frame# 13, CD# 2, Image#184, Direction: Downstream, Scale/Comment:cam bag
 seepage draining swamp in 30m wide valley, channelized near mouth, then isolated multi-channels, seeping through hummocks, disconnected muddy puddles, no fluvium, not an FPC stream. site = UTM = mouth. Other - No fish habitat

no any kind of drainage present @ mapped location or 100m vicinity, just forested side slope near Pinkut C. site = UTM

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

Reach # ILP Map # ILP #

Watershed Code: 480-927700-11300-00000-0000-0000-000-000-000-000

2.0

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 480-927700-11300-00000-0000-0000-000-000-000-000					ILP Map #:		ILP #:		
REACH									
Reach #: 2.0		UTM(Zone/East/North): 10.341116.6029247				Sample Type:		Biased	
Length (km): 1.66		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 0.9		Confinement: Unconfined		Order: 2		Open water:			
US Elev (m): 890		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: ☐									
SITE									
Site #: 168		Field UTM 10.342437.6029792		Agency: C016		Crew: MJ/SR		Date: 2002/08/05	
Site Length (m): 370		GIS UTM 10.342437.6029803		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribes.: ☐		Channel Width (m): 1.73		1.4		1.9	
Stage: Low ☒				Wetted Width (m): 1.12		0.600		1.8	
Med ☐				Bankfull Depth (m): 0.57		0.5		0.6	
High ☐				Temp (C): 11		pH: 8.3		Conductivity: 130	
								Turbidity: Turbid ☐ Low ☐	
								Moderate ☐ Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Gravels		D95 (cm): 6.00		Bars: Non ☒		Side ☐		Diagonal ☐	
Subdominant: Fines		D (cm): 2.00						Mid-channel ☐	
Channel Pattern: Irregular, Wandering		Islands: None		DISTURBANCE		O1		B1	
Coupling: Decoupled				INDICATORS		☒		B2	
Confinement: Unconfined						C1		C2	
Morphology: RP Riffle Pool						C3		C4	
						C5		S1	
						S2		S3	
						S4		S5	
COVER									
Total Cover: Abundant		Type: SWD		LWD		B		U	
LWD: Abundant		Amount: T		S		N		S	
LWD Dist: Evenly Distributed		Location: P/S/O:		☒		☒		☒	
				☒		☒		☒	
Right Bank: Shape: Undercut		Texture: Fines ☒		Gravel ☒		Cobble ☐		Boulder ☐	
Left Bank: Shape: Undercut		Texture: Fines ☒		Gravel ☒		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg: Shrubs		Stage: Not Applicable		Instream Veg: None ☒		Algae ☐		Moss ☐	
Left Bank: Rip.Veg:		Stage: Not Applicable						Vascular ☐	
FEATURES									
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	UTM (Z/E/N)	Method
093K.033	31682	BD	1.3	AL	25	GE	R: F:	10.342369.6029827	GIS
Comments: temporarily blocks fish passage - 30m u/s from 1st BD									
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	UTM (Z/E/N)	Method
093K.033	31681	BD	1.0	AL	7	GE	R: 12 F: 9	10.342405.6029811	GIS
Comments: temporarily blocks fish passage									
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
168	EF	1	300	312 sec	400	RB	11	22	83
168	EF	1	300	312 sec	400	NFC	0		
168	EF	1	70	39 sec	300	RB	11	22	83
168	EF	1	70	39 sec	300	NFC	0		

Roll# 12, Frame# 9, CD# 3, Image#255, Direction: Upstream, Scale/Comment:cam bag - BD in features. Roll# 12, Frame# 10, CD# 3, Image#256, Direction: Downstream, Scale/Comment:cam bag - channel d/s from BD. Roll# 12, Frame# 11, CD# 3, Image#257, Direction: Upstream, Scale/Comment:no scale - flooded valley above 2nd BD. presence of shrimp u/s from BD's indicates temp. fish absence. 2nd BD creates long pond- no fish observed. channel width above BD's - water stagnant and murky. site = UTM. flows through shrubby valley. Rearing Habitat - excellent in abundant and diverse cover. Overwintering Habitat - none - move to Pinkut C. Spawning Habitat - good - long stretches of pure gravel and many holding areas - RB fry abundant

site = UTM. Rearing Habitat - usable habitat available in many small pools and cutbanks. Overwintering Habitat - none - too shallow. Spawning Habitat - none - substrate mixed and angular

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

Reach # ILP Map # ILP #

Watershed Code: 480-927700-11300-00000-0000-000-000-000-000-000

4.0

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 480-927700-11300-00000-0000-000-000-000-000-000					ILP Map #:		ILP #:		
REACH									
Reach #: 4.0		UTM(Zone/East/North): 10.340388.6028870				Sample Type:		Biased	
Length (km): .54		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 0.4		Confinement: Occasionally Con		Order: 2		Open water:			
US Elev (m): 901		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: ☐									
SITE									
Site #: 170		Field UTM 10.340652.6028925		Agency: C016		Crew: SR/MJ		Date: 2002/08/06	
Site Length (m): 150		GIS UTM 10.340647.6028922		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribes: ☐		Channel Width (m): 1.20		1.200		1.200	
Stage: Low ☒				Wetted Width (m): 0.60		0.600		0.600	
Med ☐				Bankfull Depth (m): 0.17		0.1		0.2	
High ☐									
Temp (C): 12		pH: 8.5		Conductivity: 150		Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Fines		D95 (cm): 7.00		Bars: Non ☒		Side ☐		Diagonal ☐	
Subdominant: Gravels		D (cm): 1.00						Mid-channel ☐	
Channel Pattern: Sinuous		Islands: Occasional		DISTURBANCE		O1		B1	
Coupling: Partially Coupled				INDICATORS		☒		☐	
Confinement: Occasionally Confine				C1		C2		C3	
Morphology: RP Riffle Pool				☐		☐		☐	
COVER									
Total Cover: Trace		Type: SWD		LWD		B		U	
LWD: Few		Amount: T		T		N		T	
LWD Dist: Evenly Distributed		Location: P/S/O: ☒		☒		☐		☐	
Right Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☐	
Left Bank: Shape: Undercut		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg: Shrubs		Stage: Not Applicable		Rock ☐		Manmade ☐		Crown Closure	
Left Bank: Rip.Veg:		Stage: Not Applicable		Instream Veg: None ☐		Algae ☐		Moss ☐	
								Vascular ☒	
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
170	EF	1	150	267 sec	400	NFC	0		

Roll# 12, Frame# 18, CD# 3, Image#264, Direction: Upstream, Scale/Comment:cam bag
 Roll# 12, Frame# 19, CD# 3, Image#265, Direction: Downstream, Scale/Comment:cam bag
 only discernible flow at BD outlets, otherwise, shallow and stagnant water. enough is enough; NFC in upper R,2, R.3 and R.4, no habitat in tribs - S6. channel width estimated based on BD outflow channel. channelized portion of stream is borderline NCD with flow as extremely shallow trickle over mud and organics. site = UTM = lower boundary. Other - extremely poor - v. shallow trickle with only substantial water in BD ponds. Rearing Habitat - poor - too shallow over organics with insufficient flow for RB; some R possible in ponds but lacks S and O to sustain any RB population above numerous BD's and wetlands

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

Reach # 1.0 ILP Map # 93K.033 ILP # 33511

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

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.033		ILP #: 33511		
REACH									
Reach #: 1.0		UTM (Zone/East/North): 10.341872.6030492				Sample Type: Biased			
Length (km): .80		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 1.8		Confinement: Unconfined		Order: 1		Open water:			
US Elev (m): 890		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: ☐									
SITE									
Site #: 171		Field UTM 10.342332.6029875		Agency: C016		Crew: MJ/SR		Date: 2002/08/05	
Site Length (m): 100		GIS UTM 10.342301.6029866		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐							
Dewatered: ☐		Tribes: ☐							
Stage: Low ☐									
Med ☐									
High ☐									
Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐		Side ☐		Diagonal ☐	
Subdominant:		D (cm):						Mid-channel ☐	
Channel Pattern:		Islands:		DISTURBANCE		O1		B1	
Coupling:				INDICATORS		B2		B3	
Confinement:				C1		C2		C3	
Morphology:				C4		C5		S1	
				S2		S3		S4	
				S5					
COVER									
Total Cover:		Type:		SWD		LWD		B	
LWD:		Amount:							
LWD Dist:		Location: P/S/O:							
Right Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Left Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg:		Stage:							
Left Bank: Rip.Veg:		Stage:							
				Instream Veg: None ☐		Algae ☐		Moss ☐	
								Vascular ☐	

Roll# 12, Frame# 12, CD# 3, Image#258, Direction: Upstream, Scale/Comment: cam bag
seepage - no fluvium, no channel - squishy forested swale. site = UTM. Other - No fish habitat

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #

1.0 93K.033 33512

STREAM REFERENCING

Gazetted Name:

Local Name:

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

ILP Map #: 93K.033

ILP #: 33512

REACH

Reach #: 1.0

UTM (Zone/East/North): 10.342256.6029661

Sample Type: Biased

Length (km): .14

Coupling:

Magnitude:

BGC Zone:

Gradient (%): 1.4

Confinement: Occasionally Con

Order: 1

Open water:

US Elev (m): 878

Islands:

Riparian Vegetation:

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

SITE

Site #: 172

Field UTM 10.342254.6029739

Agency: C016

Crew: MJ/SR

Date: 2002/08/05

Site Length (m): 100

GIS UTM 10.342241.6029752

Agency Name: FINS Consulting Ltd.

CHANNEL

No Vis.Ch.: ☒

Intermittent: ☐

Dewatered: ☐

Tribs.: ☐

Stage: Low ☐

Med ☐

High ☐

Temp (C):

pH:

Conductivity:

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

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

Turbidity: Turbid ☐ Low ☐
Moderate ☐ Clear ☐

MORPHOLOGY

Bed Material: Dominant:

D95 (cm):

Bars: Non ☐

Side ☐

Diagonal ☐

Mid-channel ☐

Span ☐

Subdominant:

D (cm):

Braid ☐

Channel Pattern:

Islands:

DISTURBANCE

O1 B1 B2 B3 D1 D2 D3

Coupling:

Confinement:

Morphology:

C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

COVER

Total Cover:

Type:

SWD

LWD

B

U

DP

OV

IV

LWD:

Amount:

LWD Dist:

Location: P/S/O:

FSZ: ☐

Right Bank: Shape:

Texture: Fines ☐

Gravel ☐

Cobble ☐

Boulder ☐

Rock ☐

Manmade ☐

Crown Closure

Left Bank: Shape:

Texture: Fines ☐

Gravel ☐

Cobble ☐

Boulder ☐

Rock ☐

Manmade ☐

Right Bank: Rip.Veg:

Stage:

Left Bank: Rip.Veg:

Stage:

Instream Veg: None ☐ Algae ☐ Moss ☐ Vascular ☐

Roll# 12, Frame# 13, CD# 3, Image#259, Direction: Upstream, Scale/Comment: cam bag
site = UTM. seepage drains bog u/s - no fluvium, no channel, not a stream. Other - No fish habitat

BFP FFHI 2002/03 - Taltapin Resampling

Reach #	ILP Map #	ILP #
1.0	93K.033	33513

no any kind of drainage present @ mapped location or 100m radius. site = UTM = "mouth"

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

Reach # ILP Map # ILP #

Watershed Code: 480-927700-13400-00000-00000-000-000-000-000-000-000

2.0

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 480-927700-13400-00000-00000-000-000-000-000-000-000					ILP Map #:		ILP #:		
REACH									
Reach #: 2.0		UTM (Zone/East/North): 10.340921.6028117				Sample Type:		Biased	
Length (km): 2.95		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 2.3		Confinement: Frequently Confin				Order: 3		Open water:	
US Elev (m): 946		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 175		Field UTM 10.343054.6028714		Agency: C016		Crew: SR/MJ		Date: 2002/08/06	
Site Length (m): 100		GIS UTM 10.343121.6028703		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☐				Avg		Min	
Dewatered: ☐		Tribes: ☐				Max		#	
Stage: Low ☐				Channel Width (m):		0.95		0.7	
Med ☒				Wetted Width (m):		0.88		0.5	
High ☐				Bankfull Depth (m):		0.13		0.1	
Temp (C): 8		pH: 8.6		Conductivity: 100					
						Gradient %:		3.50	
						Pool Depth (m):		0.03	
								3	
						Turbidity:		Turbid ☐ Low ☐	
								Moderate ☐ Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Fines		D95 (cm): 0.10		Bars: Non ☒		Side ☐		Diagonal ☐	
Subdominant: Not Applicable		D (cm): 0.01				Mid-channel ☐		Span ☐	
Channel Pattern: Sinuous		Islands: None		DISTURBANCE		O1		B1	
Coupling: Decoupled				INDICATORS		B2		B3	
Confinement: Unconfined						D1		D2	
Morphology: RP Riffle Pool						S1		S2	
						S3		S4	
						S5			
COVER									
Total Cover: Trace		Type: SWD		LWD		B		U	
LWD: Few		Amount: S		S		N		T	
LWD Dist: Evenly Distributed		Location: P/S/O:		☒		☒		☒	
				☒		☒		☒	
Right Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☐	
Left Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg: Coniferous		Stage: Shrub/herb stage		Instream Veg: None ☐		Algae ☐		Moss ☒	
Left Bank: Rip.Veg:		Stage: Shrub/herb stage				Vascular ☒			
FEATURES									
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	UTM (Z/E/N)	Method
093K.033	31751	BMA		AL		GE	R: F:	10.343049.6028624	GIS
Comments: stream flows as at site utm, 100m north of mapped stream									
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
175	EF	1	100	107 sec	500	NFC	0		
Roll# 12, Frame# 20, CD# 3, Image#266, Direction: Upstream, Scale/Comment:SR Roll# 12, Frame# 21, CD# 3, Image#267, Direction: Downstream, Scale/Comment:probe mapped stream is wet depression, real stream found ~100m north (site UTM). flows through cutblock in PS stage, but rip area = willows. site = UTM. NFC in R.1 in 1998. substrate - organics, detritus, SWD. Other - none = stream small and ext. shallow trickle over organics and SWD with no usable R, S or O habitat; not deep enough channel sections even for potential rearing									

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #

1.0 93K.034 34507

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.034		ILP #: 34507		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.344219.6026857				Sample Type:		Biased	
Length (km): .47		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 8.9		Confinement: Occasionally Con		Order: 1		Open water:			
US Elev (m): 908		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 178		Field UTM 10.344616.6027060		Agency: C016		Crew: SR/MJ		Date: 2002/08/06	
Site Length (m): 100		GIS UTM 10.344616.6027060		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribes: ☐		Channel Width (m): 0.00		0		0	
Stage: Low ☐				Wetted Width (m): 0.00		0		0	
Med ☐				Bankfull Depth (m): 0.00		0		0	
High ☐		Temp (C):		pH:		Conductivity:			
								Turbidity: Turbid ☐ Low ☐	
								Moderate ☐ Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐					
Subdominant:		D (cm):				Braid ☐			
Channel Pattern:		Islands:		DISTURBANCE INDICATORS		O1 B1 B2 B3 D1 D2 D3			
Coupling:						C1 C2 C3 C4 C5 S1 S2 S3 S4 S5			
Confinement:									
Morphology:									
COVER									
Total Cover:		Type:		SWD		LWD		B	
LWD:		Amount:							
LWD Dist:		Location: P/S/O:							
Right Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐						Crown Closure	
Left Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐							
Right Bank: Rip.Veg: Wetland		Stage: Not Applicable							
Left Bank: Rip.Veg:		Stage: Not Applicable						Instream Veg: None ☐ Algae ☐ Moss ☐ Vascular ☐	

Roll# 13, Frame# 1, CD# 3, Image#271, Direction: Downstream, Scale/Comment:cam bag - note Anderson L. in background
whatever drainage is u/s is absorbed in grassy wetland area at Anderson L. with no connection and no fish habitat or potential; all
reaches u/s = NFB as no overwintering. site = "mouth". Other - none

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #
4.0 93K.034 34504

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.034		ILP #: 34504		
REACH									
Reach #: 4.0		UTM(Zone/East/North): 10.346881.6029835				Sample Type:		Biased	
Length (km): 2.35		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 21.9		Confinement: Confined		Order: 1		Open water:			
US Elev (m): 1440		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: ☐									
SITE									
Site #: 179		Field UTM 10.344432.6028804		Agency: CD16		Crew: SR/MJ		Date: 2002/08/10	
Site Length (m): 200		GIS UTM 10.344432.6028739		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribes.: ☐		Channel Width (m): 1.12		0.7		1.600	
Stage: Low ☐				Wetted Width (m): 0.87		0.400		1.200	
Med ☒				Bankfull Depth (m): 0.23		0.2		0.3	
High ☐				Temp (C): 10		pH: 8.6		Conductivity: 150	
								Turbidity: Turbid ☐ Low ☐	
								Moderate ☐ Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Cobble		D95 (cm): 10.00		Bars: Non ☒		Side ☐		Diagonal ☐	
Subdominant: Fines		D (cm): 3.00						Mid-channel ☐	
Channel Pattern: Sinuous		Islands: None		DISTURBANCE		O1		B1	
Coupling: Partially Coupled				INDICATORS		B2		B3	
Confinement: Frequently Confined						D1		D2	
Morphology: CP Cascade Pool						S1		S2	
						S3		S4	
						S5			
COVER									
Total Cover: Trace		Type: SWD		LWD		B		U	
LWD: Few		Amount: T		S		N		T	
LWD Dist: Evenly Distributed		Location: P/S/O:		☒		☒		☒	
				☒		☒		☒	
Right Bank: Shape: Sloping (g)		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☐	
Left Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg: Shrubs		Stage: Not Applicable		Instream Veg: None ☒		Algae ☐		Moss ☐	
Left Bank: Rip.Veg:		Stage: Not Applicable						Vascular ☐	
FEATURES									
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	UTM (Z/E/N)	Method
093K.034	31791	FSB		AL	10	GE	R: F:	10.344479.6028756	GIS
Comments: percolates underground									
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
179	EF	1	200	388 sec	500	NFC	0		
Roll# 14, Frame# 23, CD# 4, Image#317, Direction: Upstream, Scale/Comment:cam bag Roll# 14, Frame# 24, CD# 4, Image#318, Direction: Downstream, Scale/Comment:cam bag site = UTM. walked/shocked R.2 and R.3, but NFC - (S4) - all accessible but marginal. Rearing Habitat - occasional nice pools, but overall shallow crap. Other - no overwintering or S noticed along reaches 2 and 3 either. Overwintering Habitat - no. Spawning Habitat - poor - all angular									

Reach #	ILP Map #	ILP #
2.0	93K.034	34505

2.0 93K.034 34505

Gazetted Name:	Local Name:
Watershed Code: 000-000000-00000-00000-00000-000-000-000-000-000-000	ILP Map #: 93K.034 ILP #: 34505

Reach #: 2.0	UTM(Zone/East/North): 10.345233.6027707	Sample Type:	Biased
Length (km): .26	Coupling:	Magnitude:	BGC Zone:
Gradient (%): 4.2	Confinement: Unconfined	Order: 2	Open water:
US Elev (m): 906	Islands:	Riparian Vegetation:	
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:			

Site #: 180 Field UTM 10.345257.6027451 Agency: C016 Crew: SR/MJ Date: 2002/08/10
Site Length (m): 150 GIS UTM 10.345250.6027447 Agency Name: FINS Consulting Ltd.

No Vis.Ch.: ☐	Intermittent: ☐	Avg	Min	Max	#
Dewatered: ☐	Tribs.: ☐	Channel Width (m): 1.10	0.800	1.4	6
		Wetted Width (m): 0.82	0.600	1.100	6
		Bankfull Depth (m): 0.17	0.1	0.2	3

Stage:

Low ☐

Med ☒

High ☐

Temp (C): 10 pH: 8.4 Conductivity: 180

	Avg	Min	Max	#
Gradient %:	5.25	4	6	4
Pool Depth (m):	0.14	0.08	0.19	4

Turbidity.: Turbid ☐ Low ☐
 Moderate ☐ Clear ☒

[illegible]

Total Cover: Trace		Type:	SWD	LWD	B	U	DP	OV	IV					
LWD: Abundant		Amount:	T	S	N	N	D	T	N					
LWD Dist: Evenly Distributed		Location: P/S/O:	☒	☒	☐	☐	☒	☒	☐	FSZ: ☐				
Right Bank:	Shape: V - shape	Texture: Fines	☒	Gravel	☒	Cobble	☐	Boulder	☐	Rock	☐	Manmade	☐	Crown Closure
Left Bank:	Shape: Sloping (g	Texture: Fines	☒	Gravel	☒	Cobble	☐	Boulder	☐	Rock	☐	Manmade	☐	21-40%
Right Bank:	Rip. Veg: Coniferous	Stage: Shrub/herb stage												
Left Bank:	Rip. Veg:	Stage: Shrub/herb stage												
		Instream Veg:		None	☒	Algae	☐	Moss	☐	Vascular	☐			

Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
180	EF	1				NFC	0		

Roll# 14, Frame# 21, CD# 4, Image#315, Direction: Upstream, Scale/Comment:cam bag
Roll# 14, Frame# 22, CD# 4, Image#316, Direction: Downstream, Scale/Comment:cam bag
site = lower boundary. Rearing Habitat - fair overall - some habitable water, but low quality with lots of fines/organics and detritus
in substrate; however, when cutblock matures, channel may stabilize and habitat may improve; NFC in this reach and parent
stream. NFC in 1998 too

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #

3.0 93K.034 34505

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.034		ILP #: 34505		
REACH									
Reach #: 3.0		UTM(Zone/East/North): 10.345144.6028815				Sample Type: Biased			
Length (km): 1.25		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 7.0		Confinement: Frequently Confin		Order: 2		Open water:			
US Elev (m): 993		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 181		Field UTM 10.345305.6027646		Agency: C016		Crew: SR/MJ		Date: 2002/08/10	
Site Length (m): 100		GIS UTM 10.345232.6027649		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐							
Dewatered: ☐		Tribes: ☐							
Stage: Low ☐									
Med ☐									
High ☐		Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐ Low ☐	
								Moderate ☐ Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐					
Subdominant:		D (cm):		Braid ☐					
Channel Pattern:		Islands:		DISTURBANCE INDICATORS		O1 B1 B2 B3 D1 D2 D3			
Coupling:									
Confinement:						C1 C2 C3 C4 C5 S1 S2 S3 S4 S5			
Morphology:									
COVER									
Total Cover:		Type:		SWD		LWD		B U DP OV IV	
LWD:		Amount:							
LWD Dist:		Location: P/S/O:							
Right Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐						Crown Closure	
Left Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐							
Right Bank: Rip.Veg:		Stage:							
Left Bank: Rip.Veg:		Stage:						Instream Veg: None ☐ Algae ☐ Moss ☐ Vascular ☐	

Roll# 14, Frame# 20, CD# 4, Image#314, Direction: Upstream, Scale/Comment:cam bag
at site UTM, gradient rises slightly and al signs of water and channel disappears. some water input in R.2. NFC to here, in R.1
and R.2, but no physical barrier present that would limit potential fish use. site = UTM = POD = start of reach 3. Other - none

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #
1.0 93K.034 34508

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.034		ILP #: 34508		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.344330.6026647				Sample Type:		Biased	
Length (km): .66		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 9.2		Confinement: Occasionally Con			Order: 2		Open water:		
US Elev (m): 927		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 182		Field UTM 10.344912.6026663		Agency: C016		Crew: SR/MJ		Date: 2002/08/06	
Site Length (m): 100		GIS UTM 10.344904.6026666		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribes: ☐		Channel Width (m): 0.00		0		0	
Stage: Low ☐				Wetted Width (m): 0.00		0		0	
Med ☐				Bankfull Depth (m): 0.00		0		0	
High ☐		Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐ Low ☐	
								Moderate ☐ Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐					
Subdominant:		D (cm):				Braid ☐			
Channel Pattern:		Islands:		DISTURBANCE		O1 B1 B2 B3 D1 D2 D3			
Coupling:				INDICATORS		☐ ☐ ☐ ☐ ☐ ☐ ☐			
Confinement:				C1 C2 C3 C4 C5 S1 S2 S3 S4 S5		☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐			
Morphology:									
COVER									
Total Cover:		Type:		SWD		LWD		B	
LWD:		Amount:							
LWD Dist:		Location: P/S/O:		☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐				FSZ: ☐	
Right Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐						Crown Closure	
Left Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐							
Right Bank: Rip.Veg:		Stage:							
Left Bank: Rip.Veg:		Stage:				Instream Veg: None ☐ Algae ☐ Moss ☐ Vascular ☐			

Roll# 13, Frame# 2, CD# 3, Image#272, Direction: Upstream, Scale/Comment:cam bag
drainage not an FPC stream = damp silts, vegetated and discontinuous; no fluvium or continuous channel bed and definitely no fish habitat. site = "mouth". Other - none

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # 1.0 ILP Map # 93K.034 ILP # 34510

STREAM REFERENCING																																	
Gazetted Name:					Local Name:																												
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.034		ILP #: 34510																										
REACH																																	
Reach #: 1.0		UTM(Zone/East/North): 10.344963.6026194				Sample Type: Biased																											
Length (km): .31		Coupling:		Magnitude:		BGC Zone:																											
Gradient (%): 7.7		Confinement: Occasionally Con		Order: 1		Open water:																											
US Elev (m): 890		Islands:		Riparian Vegetation:																													
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:																																	
SITE																																	
Site #: 183		Field UTM 10.345167.6026409		Agency: C016		Crew: SR/MJ		Date: 2002/08/06																									
Site Length (m): 100		GIS UTM 10.345153.6026401		Agency Name: FINS Consulting Ltd.																													
CHANNEL																																	
No Vis.Ch.: ☒		Intermittent: ☐																															
Dewatered: ☐		Trib.: ☒																															
Stage: Low ☐																																	
Med ☐																																	
High ☐		Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐ Low ☐																									
								Moderate ☐ Clear ☐																									
MORPHOLOGY																																	
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐																													
Subdominant:		D (cm):				Braid ☐																											
Channel Pattern:		Islands:		DISTURBANCE INDICATORS																													
Coupling:				O1 B1 B2 B3 D1 D2 D3																													
Confinement:				C1 C2 C3 C4 C5 S1 S2 S3 S4 S5																													
Morphology:																																	
COVER																																	
Total Cover:		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Type:</th> <th>SWD</th> <th>LWD</th> <th>B</th> <th>U</th> <th>DP</th> <th>OV</th> <th>IV</th> </tr> </thead> <tbody> <tr> <td>Amount:</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Location: P/S/O:</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> </tbody> </table>								Type:	SWD	LWD	B	U	DP	OV	IV	Amount:								Location: P/S/O:	☐	☐	☐	☐	☐	☐	☐
Type:	SWD	LWD	B	U	DP	OV	IV																										
Amount:																																	
Location: P/S/O:	☐	☐	☐	☐	☐	☐	☐																										
LWD:																																	
LWD Dist:		FSZ: ☐																															
Right Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐		Crown Closure																													
Left Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐																															
Right Bank: Rip.Veg:		Stage:		Instream Veg: None ☐ Algae ☐ Moss ☐ Vascular ☐																													
Left Bank: Rip.Veg:		Stage:																															
FEATURES																																	
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	UTM (Z/E/N)	Method																								
093K.043	31832	TRB		AL		GE	R: 13 F: 3	10.345353.6026314	GIS																								
Comments: unmapped stream																																	
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	UTM (Z/E/N)	Method																								
093K.043	31831	BMA		AL		GE	R: F:	10.345167.6026409	GIS																								
Comments: no drainage present																																	

Roll# 13, Frame# 3, CD# 3, Image#273, Direction: Downstream, Scale/Comment:cam bag - might be actual stream but unmapped - photo in features
no drainage present at mapped location or within 100m radius, hence no photos. note - crap stream observed @ 10.345353.6026314, may be real mouth of 34510, channel width 0.5m, grad = 1%, fines/organics, shallow trickle, no fish potential anyway. site = "mouth"? Other - none

Reach #	ILP Map #	ILP #
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Watershed Code: 480-927700-17200-00000-00000-00000-000-000-000-000-000-000

2

STREAM REFERENCING															
Gazetted Name:								Local Name:							
Watershed Code: 480-927700-17200-00000-0000-0000-000-000-000-000								ILP Map #:				ILP #:			
REACH															
Reach #: .2		UTM(Zone/East/North): 10.346285.6026539						Sample Type:		Biased					
Length (km): .23		Coupling:						Magnitude:		BGC Zone:					
Gradient (%): 4.8		Confinement: Occasionally Con				Order: 2				Open water:					
US Elev (m): 908		Islands:				Riparian Vegetation:									
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:															
SITE															
Site #: 184		Field UTM 10.346070.6026610				Agency: C016		Crew: SR/MJ		Date: 2002/08/10					
Site Length (m): 300		GIS UTM 10.346069.6026577				Agency Name: FINS Consulting Ltd.									
CHANNEL															
No Vis.Ch.: ☒	Intermittent: ☐		Avg	Min	Max	#			Avg	Min	Max	#			
Dewatered: ☐	Tribes.: ☐		Channel Width (m):	0.00	0	0	0	Gradient %:		0.00	0	0	0		
Stage: Low ☐			Wetted Width (m):	0.00	0	0	0	Pool Depth (m):		0.00	0	0	0		
Med ☐			Bankfull Depth (m):	0.00	0	0	0								
High ☐	Temp (C):		pH:					Conductivity:		Turbidity.: Turbid ☐	Low ☐				
										Moderate ☐	Clear ☐				
MORPHOLOGY															
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐		Side ☐		Diagonal ☐		Mid-channel ☐		Span ☐			
Subdominant:		D (cm):										Braid ☐			
Channel Pattern:		Islands:		DISTURBANCE INDICATORS		O1	B1	B2	B3	D1	D2	D3			
Coupling:				C1	C2	C3	C4	C5	S1	S2	S3	S4	S5		
Confinement:				☐	☐	☐	☐	☐	☐	☐	☐	☐	☒		
Morphology:				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
COVER															
Total Cover:	Type:	SWD	LWD	B	U	DP	OV	IV							
LWD:	Amount:														
LWD Dist:	Location: P/S/O:	☐ ☐ ☐	☐ ☐ ☐	☐ ☐ ☐	☐ ☐ ☐	☐ ☐ ☐	☐ ☐ ☐	☐ ☐ ☐	FSZ: ☐						
Right Bank:	Shape:	Texture: Fines ☐	Gravel ☐	Cobble ☐	Boulder ☐	Rock ☐	Manmade ☐	Crown Closure							
Left Bank:	Shape:	Texture: Fines ☐	Gravel ☐	Cobble ☐	Boulder ☐	Rock ☐	Manmade ☐								
Right Bank:	Rip.Veg:	Stage:													
Left Bank:	Rip.Veg:	Stage:		Instream Veg: None ☐	Algae ☐	Moss ☐	Vascular ☐								
FEATURES															
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	UTM (Z/E/N)		Method					
093K.034	31841	BMA		AL		GE	R: F:	10.345492.6026586		GIS					
Comments: stream not as mapped - real stream flows into 34518 - utm here = mapped mouth															

Roll# 14, Frame# 26, CD# 4, Image#320, Direction: Upstream, Scale/Comment:dog - shows scour mapping error? stream branches u/s from road, goes parallel - left branch @ 50m from road UTM = 10.345867.6026721, another 10.346000.6026678, huge scour = 10.346288.6026661, site = UTM. upper site is dry bed scour with no fish use or passage. whole stream is messed - huge scour channel splits down mountain. and spreads all over forest at upper site UTM; channel splits all over and rejoins at Anderson road;. Other - none - stream totally dry, and splits all over forest with No fish habitat or passage, rechannelized u/s but no water

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #

1.0 93K.034 34511

STREAM REFERENCING											
Gazetted Name:						Local Name:					
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000						ILP Map #: 93K.034		ILP #: 34511			
REACH											
Reach #: 1.0		UTM(Zone/East/North): 10.345725.6026927				Sample Type: Biased					
Length (km): .28		Coupling:		Magnitude:		BGC Zone:					
Gradient (%): 3.6		Confinement: Unconfined		Order: 1		Open water:					
US Elev (m): 896		Islands:		Riparian Vegetation:							
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:											
SITE											
Site #: 185		Field UTM 10.345783.6026667		Agency: C016		Crew: SR/MJ		Date: 2002/08/10			
Site Length (m): 100		GIS UTM 10.345769.6026673		Agency Name: FINS Consulting Ltd.							
CHANNEL											
No Vis.Ch.: ☒		Intermittent: ☐		Avg		Min		Max		#	
Dewatered: ☐		Tribes: ☐		Channel Width (m): 0.00		0		0		0	
Stage: Low ☐				Wetted Width (m): 0.00		0		0		0	
Med ☐				Bankfull Depth (m): 0.00		0		0		0	
High ☐											
Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐		Low ☐			
								Moderate ☐		Clear ☐	
MORPHOLOGY											
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐		Side ☐		Diagonal ☐		Mid-channel ☐	
Subdominant:		D (cm):								Span ☐	
Channel Pattern:		Islands:		DISTURBANCE INDICATORS		O1		B1		B2	
Coupling:						D1		D2		D3	
Confinement:						C1		C2		C3	
Morphology:						C4		C5		S1	
						S2		S3		S4	
						S5					
COVER											
Total Cover:		Type:		SWD		LWD		B		U	
LWD:		Amount:									
LWD Dist:		Location: P/S/O:									
Right Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐		Rock ☐	
Left Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐		Rock ☐	
Right Bank: Rip.Veg:		Stage:									
Left Bank: Rip.Veg:		Stage:									
										Instream Veg: None ☐	
										Algae ☐	
										Moss ☐	
										Vascular ☐	

Roll# 14, Frame# 25, CD# 4, Image#319, Direction: Upstream, Scale/Comment: cam bag
site = mouth. incorrect mapping - at mapped crossing, road crosses parent stream, not this one. Other - none

Roll# 14, Frame# 27, CD# 4, Image#321, Direction: Downstream, Scale/Comment:SR
Roll# 14, Frame# 28, CD# 4, Image#322, Direction: Upstream, Scale/Comment:cam bag
site = mouth. organic 1m drop @ mouth may impede access, but not permanent. drainage is actually diverted -17200 system, infer
RB. . Overwintering Habitat - poor - unlikely flow/freezes. Spawning Habitat - mod - freq. stretches of suitable gravels. Rearing
Habitat - mod-good in occasional deep pools, but many fines/sands in pools

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # 1.0 ILP Map # 93K.034 ILP # 34520

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000-000					ILP Map #: 93K.034		ILP #: 34520		
REACH									
Reach #: 1.0		UTM (Zone/East/North): 10.346569.6026213				Sample Type: Biased			
Length (km): .43		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 6.5		Confinement: Unconfined		Order: 1		Open water:			
US Elev (m): 894		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: ☐									
SITE									
Site #: 189		Field UTM 10.346432.6025874		Agency: C016		Crew: SR/MJ		Date: 2002/08/10	
Site Length (m): 150		GIS UTM 10.346514.6025865		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribs.: ☐		Channel Width (m): 0.77		0.400		1.100	
Stage: Low ☐				Wetted Width (m): 0.77		0.400		1.100	
Med ☒				Bankfull Depth (m): 0.20		0.2		0.2	
High ☐									
Temp (C): 10		pH: 8.4		Conductivity: 140					
						Turbidity: Turbid ☐		Low ☐	
								Moderate ☐	
								Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Fines		D95 (cm): 1.00		Bars: Non ☒		Side ☐		Diagonal ☐	
Subdominant: Gravels		D (cm): 0.10						Mid-channel ☐	
Channel Pattern: Sinuous		Islands: None		DISTURBANCE		O1		B1	
Coupling: Decoupled				INDICATORS		B2		B3	
Confinement: Unconfined						D1		D2	
Morphology: RP Riffle Pool						D3			
				C1		C2		C3	
				C4		C5		S1	
				S2		S3		S4	
				S5					
COVER									
Total Cover: Trace		Type: SWD		LWD		B		U	
LWD: Few		Amount: T		S		N		T	
LWD Dist: Clumped		Location: P/S/O:		☒		☒		☒	
				☒		☒		☒	
Right Bank: Shape: Undercut		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☐	
Left Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg: Coniferous		Stage: Mature forest		Instream Veg: None ☒		Algae ☐		Moss ☐	
Left Bank: Rip.Veg:		Stage: Mature forest				Vascular ☐			
FEATURES									
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	UTM (Z/E/N)	Method
093K.034	31891	BMA		AL		GE	R: F:	10.346516.6025850	GIS
Comments: mapped mouth wrong									
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
189	EF	1	100	196 sec	500	NFC	0		

Roll# 15, Frame# 1, CD# 4, Image#323, Direction: Upstream, Scale/Comment:cam bag
 Roll# 15, Frame# 2, CD# 4, Image#324, Direction: Downstream, Scale/Comment:cam bag
 site = UTM = real mouth. access possible but unlikely, common sense - no S, no O, no gravels - NFB. Spawning Habitat - none - all organics. Other - overall poor-fair. Overwintering Habitat - none. Rearing Habitat - accessible for seasonal rearing but shallow over organics/debris - nope

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #
1.0 93K.034 34521

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.034		ILP #: 34521		
REACH									
Reach #: 1.0		UTM (Zone/East/North): 10.345967.6025200				Sample Type:		Biased	
Length (km): .18		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 5.6		Confinement: Unconfined		Order: 2		Open water:			
US Elev (m): 876		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 190		Field UTM 10.346134.6025166		Agency: C016		Crew: MJ/SR		Date: 2002/08/07	
Site Length (m): 100		GIS UTM 10.346054.6025272		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribes: ☐		Channel Width (m): 0.00		0		0	
Stage: Low ☐				Wetted Width (m): 0.00		0		0	
Med ☐				Bankfull Depth (m): 0.00		0		0	
High ☐									
Temp (C): 10		pH: 8.5		Conductivity: 240		Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☒	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐		Side ☐		Diagonal ☐	
Subdominant:		D (cm):				Mid-channel ☐		Span ☐	
Channel Pattern:		Islands:		DISTURBANCE INDICATORS		O1		B1	
Coupling:						B2		B3	
Confinement:						D1		D2	
Morphology:						D3			
						C1		C2	
						C3		C4	
						C5		S1	
						S2		S3	
						S4		S5	
COVER									
Total Cover:		Type:		SWD		LWD		B	
LWD:		Amount:							
LWD Dist:		Location: P/S/O:							
Right Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Left Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg:		Stage:							
Left Bank: Rip.Veg:		Stage:							
				Instream Veg: None ☐		Algae ☐		Moss ☐	
								Vascular ☐	
FEATURES									
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	UTM (Z/E/N)	Method
093K.034	31901	BMA		AL		GE	R: F:	10.346052.6025306	GIS
Comments: "creek" actually flows east near mouth in R.1									
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
190	EF	1	50	36 sec	300	NFC	0		
Roll# 13, Frame# 7, CD# 3, Image#277, Direction: Upstream, Scale/Comment:cam bag - channelized - outflow from W u/s Roll# 13, Frame# 8, CD# 3, Image#278, Direction: Downstream, Scale/Comment:cam bag - channelized - outflow from W u/s Roll# 13, Frame# 9, CD# 3, Image#279, Direction: Across, Scale/Comment:no scale - collection W site = UTM. channelized near mouth with freq. subflow sections, shallow and org. substrate, originates in W 50m from mouth; not passable to fish into upper reaches. Other - No fish habitat									

site = UTM = mouth. seepage with short channelized and discontinuous sections of channel, no fluvium, not an FPC stream; drains alder corridor. Other - No fish habitat

1.0

STREAM REFERENCING														
Gazetted Name:						Local Name:								
Watershed Code: 480-927700-19800-00000-0000-000-000-000-000-000						ILP Map #:			ILP #:					
REACH														
Reach #: 1.0		UTM(Zone/East/North): 10.346596.6024704				Sample Type:		Biased						
Length (km): .32		Coupling:		Magnitude:		BGC Zone:								
Gradient (%): 2.2		Confinement: Unconfined				Order: 1		Open water:						
US Elev (m): 873		Islands:		Riparian Vegetation:										
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:														
SITE														
Site #: 192		Field UTM: 10.346488.6024931		Agency: C016		Crew: MJ/SR		Date: 2002/08/07						
Site Length (m): 100		GIS UTM: 10.346488.6024931		Agency Name: FINS Consulting Ltd.										
CHANNEL														
No Vis.Ch.: ☐		Intermittent: ☒		Avg	Min	Max	#			Avg	Min	Max	#	
Dewatered: ☐		Tribs.: ☐		Channel Width (m):	1.08	0.800	1.3	6	Gradient %:		1.25	0	3	4
Stage: Low ☒				Wetted Width (m):	0.25	0	0.600	6	Pool Depth (m):		0.08	0.070	0.090	2
Med ☐				Bankfull Depth (m):	0.23	0.2	0.3	3	Turbidity:		Turbid ☐		Low ☐	
High ☐		Temp (C): 10		pH: 8.6		Conductivity: 160				Moderate ☐		Clear ☒		
MORPHOLOGY														
Bed Material: Dominant: Fines		D95 (cm): 8.00		Bars: Non ☒		Side ☐		Diagonal ☐		Mid-channel ☐		Span ☐		
Subdominant: Cobble		D (cm): 2.00				Braid ☐								
Channel Pattern: Irregular, Wandering		Islands: None		DISTURBANCE INDICATORS		O1	B1	B2	B3	D1	D2	D3		
Coupling: Decoupled						☐	☐	☐	☐	☐	☐	☐	☐	
Confinement: Unconfined						C1	C2	C3	C4	C5	S1	S2	S3	
Morphology: RP Riffle Pool						☐	☐	☐	☐	☐	☐	☐	☐	
COVER														
Total Cover: Trace				Type:	SWD	LWD	B	U	DP	OV	IV			
LWD: Few				Amount:	T	T	N	T	D	S	N			
LWD Dist: Evenly Distributed				Location: P/S/O:	☒	☐	☐	☒	☐	☐	☐	FSZ: ☐		
Right Bank: Shape: Undercut		Texture: Fines ☒		Gravel ☐	Cobble ☐	Boulder ☐	Rock ☐	Manmade ☐			Crown Closure			
Left Bank: Shape: Undercut		Texture: Fines ☒		Gravel ☐	Cobble ☐	Boulder ☐	Rock ☐	Manmade ☐			21-40%			
Right Bank: Rip.Veg: Coniferous		Stage: Mature forest												
Left Bank: Rip.Veg:		Stage: Mature forest												
						Instream Veg: None ☒		Algae ☐		Moss ☐		Vascular ☐		
FISH														
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)					
192	EF	1	100	43 sec	400	NFC	0							

Roll# 13, Frame# 11, CD# 3, Image#281, Direction: Upstream, Scale/Comment:probe
Roll# 13, Frame# 12, CD# 3, Image#282, Direction: Downstream, Scale/Comment:cam bag
flows through forested swale. fines - organic origin. abundant Gammaridae indicate fish absence. site = UTM. Overwintering
Habitat - none - too shallow, likely will dry later in season. Spawning Habitat - none - no suitable habitat observed in surveyed
section. Rearing Habitat - poor - likely seasonal only. Other - likely migratory stream from Pinkut C. to lake u/s

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

Reach # ILP Map # ILP #

Watershed Code: 480-927700-20500-00000-00000-000-000-000-000-000-000

2.0

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 480-927700-20500-00000-00000-000-000-000-000-000-000					ILP Map #:		ILP #:		
REACH									
Reach #: 2.0		UTM (Zone/East/North): 10.347310.6025977				Sample Type:		Biased	
Length (km): .46		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 8.0		Confinement: Occasionally Con		Order: 2		Open water:			
US Elev (m): 933		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: ☐									
SITE									
Site #: 193		Field UTM 10.347121.6025425		Agency: C016		Crew: SR/MJ		Date: 2002/08/18	
Site Length (m): 200		GIS UTM 10.347121.6025425		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☒							
Dewatered: ☐		Tribes.: ☐							
Stage: Low ☒									
Med ☐									
High ☐									
Temp (C): 8		pH: 8.6		Conductivity: 110					
						Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Cobble		D95 (cm): 26.00		Bars: Non ☐		Side ☒		Diagonal ☒	
Subdominant: Gravels		D (cm): 18.00						Mid-channel ☒	
								Span ☐	
Channel Pattern: Irregular, Wandering		Islands: Occasional		DISTURBANCE INDICATORS		O1		B1	
Coupling: Decoupled						B2		B3	
Confinement: Occasionally Confine						D1		D2	
Morphology: CP Cascade Pool						D3			
						C1		C2	
						C3		C4	
						C5		S1	
						S2		S3	
						S4		S5	
COVER									
Total Cover: Trace									
LWD: Abundant									
LWD Dist: Evenly Distributed									
Right Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☒		Cobble ☒		Boulder ☐	
Left Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☒		Cobble ☒		Boulder ☐	
Right Bank: Rip.Veg: Mixed C/D		Stage: Mature forest							
Left Bank: Rip.Veg:		Stage: Shrub/herb stage		Instream Veg: None ☒		Algae ☐		Moss ☐	
								Vascular ☐	
FEATURES									
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	UTM (Z/E/N)	Method
093K.034	31933	FLD		AL	200	GE	R: 16 F: 24	10.347121.6025425	GIS
Comments: dewatered channel									
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	UTM (Z/E/N)	Method
093K.034	31932	CV	1.0	AL		GE	R: 16 F: 23	10.347133.6025469	GIS
Comments: hanging CV at Anderson Rd.									
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	UTM (Z/E/N)	Method
093K.034	31931	BMA		AL		GE	R: F:	10.347050.6025630	GIS
Comments: orig. location is utm at road = 10.347139.6025470									
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
193	EF	1	100	261 sec	500	NFC	0		

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

Reach # ILP Map # ILP #

Watershed Code: 480-927700-20500-00000-0000-0000-000-000-000-000-000

2.0

Roll# 16, Frame# 22, CD# 4, Image#370, Direction: Downstream, Scale/Comment: MJ - facing u/s end of CV; recent placement of rock on left diverts flow back into CV, rather than flowing ditch line (as it did last year)

Roll# 16, Frame# 23, CD# 4, Image#371, Direction: Upstream, Scale/Comment: MJ - dry channel (pool), hanging CV - passable @ high flow?

Roll# 16, Frame# 24, CD# 4, Image#372, Direction: Upstream, Scale/Comment: cam bag - channel, scour appearance above road (no channel immediately d/s)

Roll# 16, Frame# 25, CD# 4, Image#373, Direction: Downstream, Scale/Comment: cam bag

extensive scouring (above water table) u/s from road. convergence UTM = site UTM - water from ground appears, channelized flow begins (no water u/s at road); bone dry in lower end, water appears ~150m u/s from road, upper sit UTM 10.347317.6025934. "channel" is dispersed d/s from CV to convergence point - hasn't had time to scour new channel. caught RB in 2001 OP inventory, 200m d/s from road. site = UTM = convergence point, water appearance. LWD from block on left bank. stream mapped wrong - road UTM is new x-ing location; BMA UTM is original location; stream recently diverted at road (since last year) - diverted into proper channel on u/s side. Rearing Habitat - upper reach - mod - in cobble/boulder pools, but pretty shallow. Spawning Habitat - none - no uniform suitable gravels. Overwintering Habitat - poor - not deep enough pools. Other - No fish habitat @ road as entirely dry, no connection d/s from road d/t dispersion, but new channel needs time to scour and reconnect

very deep pools, but good flow. Spawning Habitat - pool - steep, lacks suitable gravels and holding areas. Rearing Habitat - mod-good esp. in deeper pool areas behind boulders/cobbles. Other - good potential for RB use, but access may be compromised

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

Reach # ILP Map # ILP #

Watershed Code: 480-927700-20500-00000-0000-000-000-000-000-000

4.0

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 480-927700-20500-00000-0000-000-000-000-000-000					ILP Map #:		ILP #:		
REACH									
Reach #: 4.0		UTM(Zone/East/North): 10.348558.6028840				Sample Type:		Biased	
Length (km): 2.77		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 14.4		Confinement: Confined		Order: 2		Open water:			
US Elev (m): 1517		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 195		Field UTM 10.348078.6026675		Agency: C016		Crew: SR/MJ		Date: 2002/08/18	
Site Length (m): 100		GIS UTM 10.348078.6026675		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribes: ☐		Channel Width (m): 2.58		1.63		3.1	
Stage: Low ☒				Wetted Width (m): 1.63		1		2.1	
Med ☐				Bankfull Depth (m): 0.37		0.3		0.4	
High ☐				Temp (C): 8		pH: 8.6		Conductivity: 110	
						Turbidity: Turbid ☐		Low ☐	
								Moderate ☐	
								Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Boulders		D95 (cm): 100.00		Bars: Non ☒		Side ☐		Diagonal ☐	
Subdominant: Cobble		D (cm): 25.00				Mid-channel ☐		Span ☐	
Channel Pattern: Sinuous		Islands: None		DISTURBANCE INDICATORS		O1		B1	
Coupling: Coupled						B2		B3	
Confinement: Confined						D1		D2	
Morphology: SP Step Pool						D3			
						C1		C2	
						C3		C4	
						C5		S1	
						S2		S3	
						S4		S5	
COVER									
Total Cover: Abundant		Type: SWD		LWD		B		U	
LWD: Abundant		Amount: T		S		S		N	
LWD Dist: Evenly Distributed		Location: P/S/O:		☒		☒		☒	
				☒		☒		☒	
Right Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☐		Cobble ☒		Boulder ☒	
Left Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☐		Cobble ☒		Boulder ☒	
Right Bank: Rip.Veg: Coniferous		Stage: Mature forest		Instream Veg: None ☐		Algae ☐		Moss ☒	
Left Bank: Rip.Veg:		Stage: Mature forest				Vascular ☐			
FEATURES									
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	UTM (Z/E/N)	Method
093K.034	31951	C	4.0	AL	8	GE	R: 17 F: 2	10.348078.6026675	GIS
Comments: impassable -24% over 8 m, freq. drops, no plunge pool									
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
195	EF	1	200	642 sec	500	NFC	0		
Roll# 17, Frame# 2, CD# 4, Image#377, Direction: Upstream, Scale/Comment:SR - cascade EFU in features									
Roll# 17, Frame# 3, CD# 4, Image#378, Direction: Upstream, Scale/Comment:cam bag									
Roll# 17, Frame# 4, CD# 4, Image#379, Direction: Downstream, Scale/Comment:cam bag									
infer RB to cascade R.3.1, marginal quality d/t steepness, but usable. site = UTM = u/s from C. finally a place steep enough to definitely block fish. Rearing Habitat - good infrequent. B pools, steps and under LWD. Overwintering Habitat - fair - no sig. deep pool habitat. Other - all isolated above C. Spawning Habitat - none - steep, sub. too big									

BFP FFHI 2002/03 - Taltapin Resampling

Reach #	ILP Map #	ILP #
1.0	93K.034	34524

STREAM REFERENCING									
Gazetted Name:				Local Name:					
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000-000				ILP Map #: 93K.034		ILP #: 34524			
REACH									
Reach #: 1.0	UTM(Zone/East/North): 10.347838.6026171					Sample Type: Biased			
Length (km): .88	Coupling:		Magnitude:		BGC Zone:				
Gradient (%): 15.0	Confinement: Confined			Order: 1		Open water:			
US Elev (m): 1040	Islands:			Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 196		Field UTM 10.347202.6025694		Agency: C016		Crew: SR/MJ		Date: 2002/08/18	
Site Length (m): 100		GIS UTM 10.347221.6025753		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒	Intermittent: ☐		Avg	Min	Max	#			
Dewatered: ☐	Tribes: ☐		Channel Width (m):		0.00	0	0	0	
Stage: Low ☐			Wetted Width (m):		0.00	0	0	0	
Med ☐			Bankfull Depth (m):		0.00	0	0	0	
High ☐									
Temp (C):			pH:	Conductivity:			Turbidity:	Turbid ☐	Low ☐
							Moderate ☐	Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐		Side ☐		Diagonal ☐	
Subdominant:		D (cm):				Mid-channel ☐		Span ☐	
Channel Pattern:		Islands:		DISTURBANCE INDICATORS		O1	B1	B2	B3
Coupling:						D1	D2	D3	
Confinement:				C1	C2	C3	C4	C5	S1
Morphology:				S2	S3	S4	S5		
COVER									
Total Cover:	Type:	SWD	LWD	B	U	DP	OV	IV	
LWD:	Amount:								
LWD Dist:	Location: P/S/O:								FSZ: ☐
Right Bank:	Shape:	Texture: Fines ☐	Gravel ☐	Cobble ☐	Boulder ☐	Rock ☐	Manmade ☐	Crown Closure	
Left Bank:	Shape:	Texture: Fines ☐	Gravel ☐	Cobble ☐	Boulder ☐	Rock ☐	Manmade ☐		
Right Bank:	Rip.Veg:	Stage:		Instream Veg: None ☐					
Left Bank:	Rip.Veg:	Stage:		Algae ☐ Moss ☐ Vascular ☐					

Roll# 16, Frame# 26, CD# 4, Image#374, Direction: Upstream, Scale/Comment:cam bag
surprisingly had water, but discontinuous trickle over organics, no fluvium, ~15-20% gradient. site = UTM = 20m u/s from mouth.
Other - none - sleep, no connection

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

Reach # ILP Map # ILP #

Watershed Code: 480-927700-22300-00000-00000-000-000-000-000-000

2.0

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 480-927700-22300-00000-00000-000-000-000-000-000					ILP Map #:		ILP #:		
REACH									
Reach #: 2.0		UTM(Zone/East/North): 10.347944.6024568				Sample Type:		Biased	
Length (km): .34		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 7.9		Confinement: Frequently Confin		Order: 3		Open water:			
US Elev (m): 913		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 197		Field UTM 10.347825.6024378		Agency: C016		Crew: SR/MJ		Date: 2002/08/18	
Site Length (m): 160		GIS UTM 10.347836.6024378		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☐							
Dewatered: ☐		Tribes.: ☐							
Stage: Low ☒									
Med ☐									
High ☐									
Temp (C): 8		pH: 8.4		Conductivity: 110		Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Cobble		D95 (cm): 25.00		Bars: Non ☐		Side ☒		Diagonal ☐	
Subdominant: Gravels		D (cm): 5.00						Mid-channel ☐	
Channel Pattern: Sinuous		Islands: None		DISTURBANCE INDICATORS		O1 ☐		B1 ☐	
Coupling: Decoupled						B2 ☒		B3 ☐	
Confinement: Unconfined						D1 ☐		D2 ☐	
Morphology: RP Riffle Pool						D3 ☐		S1 ☐	
						S2 ☐		S3 ☐	
						S4 ☐		S5 ☒	
COVER									
Total Cover: Trace									
LWD: Few									
LWD Dist: Evenly Distributed									
Right Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☒		Cobble ☒		Boulder ☐	
Left Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☒		Cobble ☒		Boulder ☐	
Right Bank: Rip.Veg: Mixed C/D		Stage: Mature forest		Instream Veg: None ☒		Algae ☐		Moss ☐	
Left Bank: Rip.Veg:		Stage: Mature forest						Vascular ☐	
FEATURES									
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	UTM (Z/E/N)	Method
93K.034	31971	FLD		AL	60	GE	R: 17 F: 7	10.347883.6024502	GIS
Comments: estimated length, dewatered, scoured									
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
197	EF	1	200	316 sec	500	NFC	0		

Roll# 17, Frame# 5, CD# 4, Image#380, Direction: Upstream, Scale/Comment:cam bag
 Roll# 17, Frame# 6, CD# 4, Image#381, Direction: Downstream, Scale/Comment:cam bag
 Roll# 17, Frame# 7, CD# 4, Image#382, Direction: Downstream, Scale/Comment:cam bag - dewatered channel in features site = 50 m u/s from road. dewatering in upper reach hinders passage into u/s reaches - elevated bed, dry frequently. RB not documented in past sampling. Spawning Habitat - poor - limited gravels - mainly cobble. Rearing Habitat - moderate - large channel width, good flow potential but pretty shallow at present with limited pool depths for rearing. Overwintering Habitat - fair - lacks sufficient deep pools

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

Watershed Code: 480-927700-22300-00000-00000-00000-000-000-000-000-000-000

21

STREAM REFERENCING											
Gazetted Name:						Local Name:					
Watershed Code: 480-927700-22300-00000-0000-0000-000-000-000-000-000						ILP Map #:			ILP #:		
REACH											
Reach #: 2.1		UTM (Zone/East/North): 10.349127.6025421				Sample Type:		Biased			
Length (km): 1.54		Coupling:		Magnitude:		BGC Zone:					
Gradient (%): 13.6		Confinement: Confined		Order: 3		Open water:					
US Elev (m): 1123		Islands:		Riparian Vegetation:							
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:											
SITE											
Site #: 198		Field UTM 10.348206.6024660		Agency: C016		Crew: SR/MJ		Date: 2002/08/18			
Site Length (m): 100		GIS UTM 10.348216.6024645		Agency Name: FINS Consulting Ltd.							
CHANNEL											
No Vis.Ch.: ☐		Intermittent: ☐		Avg		Min		Max		#	
Dewatered: ☐		Tribes.: ☐		Channel Width (m): 2.32		2		2.6		6	
Stage: Low ☒				Wetted Width (m): 1.72		1.3		1.9		6	
Med ☐				Bankfull Depth (m): 0.43		0.4		0.5		3	
High ☐		Temp (C): 8		pH: 8.4		Conductivity: 110					
								Turbidity: Turbid ☐		Low ☐	
								Moderate ☐		Clear ☒	
MORPHOLOGY											
Bed Material: Dominant: Boulders		D95 (cm): 50.00		Bars: Non ☒		Side ☐		Diagonal ☐		Mid-channel ☐	
Subdominant: Cobble		D (cm): 14.00				Span ☐		Braid ☐			
Channel Pattern: Sinuous		Islands: Occasional		DISTURBANCE		O1		B1		B2	
Coupling: Coupled				INDICATORS		☐		☐		☒	
Confinement: Frequently Confined						C1		C2		C3	
Morphology: SP Step Pool						☐		☐		☐	
						C4		C5		S1	
						☐		☐		☐	
						S2		S3		S4	
						☐		☐		☐	
						S5					
						☐					
COVER											
Total Cover: Abundant		Type: SWD		LWD		B		U		DP	
		Amount: T		T		S		N		D	
LWD: Abundant		Location: P/S/O:		☒		☒		☒		☒	
LWD Dist: Evenly Distributed				☒		☒		☒		☒	
Right Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☐		Cobble ☒		Boulder ☒		Rock ☐	
Left Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☐		Cobble ☒		Boulder ☒		Rock ☐	
Right Bank: Rip.Veg: Coniferous		Stage: Mature forest								Crown Closure	
Left Bank: Rip.Veg:		Stage: Mature forest								41-70%	
										Instream Veg: None ☐	
										Algae ☐	
										Moss ☒	
										Vascular ☐	
FEATURES											
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo		UTM (Z/E/N)		Method
93K.034	31981	X	2.5	AL		GE	R: 17	F: 10	10.348513.6024970		GIS
Comments: temporary barrier											
FISH											
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)		
198	EF	1	200	384 sec	500	NFC	0				
Roll# 17, Frame# 8, CD# 4, Image#383, Direction: Downstream, Scale/Comment:cam bag - note cascade pools Roll# 17, Frame# 9, CD# 4, Image#384, Direction: Upstream, Scale/Comment:cam bag - note cascade pools Roll# 17, Frame# 10, CD# 4, Image#385, Direction: Upstream, Scale/Comment:cam bag - debris jam adjacent to block channel width often >3.0m, but flood scour channel - channel width = active channel = ~2.5 m. infer RB use here. no reserve zone here (at debris jam). dewatering d/s may preclude seasonal RB use, but overwintering habitat present. site = UTM. stream similar to ~20500, but nicer pools, habitat. super clear. Spawning Habitat - poor - steep, lacks gravels. Rearing Habitat - exc. in textbook boulder cascade pools. Overwintering Habitat - good-excellent. in textbook boulder											

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

Reach # ILP Map # ILP #

Watershed Code: 480-927700-22300-00000-0000-000-000-000-000-000

3.0

STREAM REFERENCING											
Gazetted Name:						Local Name:					
Watershed Code: 480-927700-22300-00000-0000-000-000-000-000-000						ILP Map #:			ILP #:		
REACH											
Reach #: 3.0		UTM(Zone/East/North): 10.350302.6026241				Sample Type: Biased					
Length (km): 1.46		Coupling:		Magnitude:		BGC Zone:					
Gradient (%): 13.5		Confinement: Confined		Order: 3		Open water:					
US Elev (m): 1320		Islands:		Riparian Vegetation:							
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:											
SITE											
Site #: 199		Field UTM 10.349133.6025458		Agency: C016		Crew: SR/MJ		Date: 2002/08/18			
Site Length (m): 200		GIS UTM 10.349144.6025432		Agency Name: FINS Consulting Ltd.							
CHANNEL											
No Vis.Ch.: ☐		Intermittent: ☐		Avg		Min		Max		#	
Dewatered: ☐		Tribes.: ☐		Channel Width (m): 2.27		1.600		2.900		6	
Stage: Low ☒				Wetted Width (m): 1.78		1.600		2.1		6	
Med ☐				Bankfull Depth (m): 0.47		0.4		0.5		3	
High ☐		Temp (C): 8		pH: 8.4		Conductivity: 110					
								Avg		Min	
								Gradient %: 12.25		11	
								Pool Depth (m): 0.35		0.29	
								Turbidity: Turbid ☐		Low ☐	
								Moderate ☐		Clear ☒	
MORPHOLOGY											
Bed Material: Dominant: Cobble		D95 (cm): 35.00		Bars: Non ☒		Side ☐		Diagonal ☐		Mid-channel ☐	
Subdominant: Boulders		D (cm): 12.00								Span ☐	
Channel Pattern: Sinuous		Islands: None		DISTURBANCE		O1		B1		B2	
Coupling: Coupled				INDICATORS		☐		☐		☒	
Confinement: Confined						C1		C2		C3	
Morphology: CP Cascade Pool						☐		☐		☐	
						C4		C5		S1	
						☐		☐		☐	
						S2		S3		S4	
						☐		☐		☐	
						S5					
						☐					
COVER											
Total Cover: Abundant		Type: SWD		LWD		B		U		DP	
LWD: Few		Amount: T		T		S		T		D	
LWD Dist: Evenly Distributed		Location: P/S/O:		☒		☒		☒		☒	
				☒		☒		☒		☒	
Right Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☐		Cobble ☒		Boulder ☒		Rock ☐	
Left Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☐		Cobble ☒		Boulder ☒		Rock ☐	
Right Bank: Rip.Veg: Coniferous		Stage: Mature forest								Crown Closure	
Left Bank: Rip.Veg:		Stage: Mature forest								41-70%	
										Instream Veg: None ☐	
										Algae ☐	
										Moss ☒	
										Vascular ☐	
FEATURES											
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	UTM (Z/E/N)		Method	
93K.034	31991	F	1.8	AL		GE	R: 17 F: 13	10.349142.6025428		GIS	
Comments: impassable - NF above											
FISH											
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)		
199	EF	1	100	488 sec	500	NFC	0				
Roll# 17, Frame# 11, CD# 4, Image#386, Direction: Upstream, Scale/Comment:SR Roll# 17, Frame# 12, CD# 4, Image#387, Direction: Downstream, Scale/Comment:SR Roll# 17, Frame# 13, CD# 4, Image#388, Direction: Upstream, Scale/Comment:MJ - falls in features NFC at the way to here, NFC now, NFB u/s, possibly d/s too, but habitat is avail and accessible d/s. site = UTM = from barrier (falls). Other - same as R.2.1, but isolated; excellent R and overwintering in abundant deep boulder/ cascade pools, no spawning											

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #

1.0 93K.034 34566

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000-000					ILP Map #: 93K.034		ILP #: 34566		
REACH									
Reach #: 1.0		UTM (Zone/East/North): 10.347852.6021266				Sample Type: Biased			
Length (km): .12		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 13.3		Confinement: Frequently Confin		Order: 2		Open water:			
US Elev (m): 883		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 200		Field UTM 10.347953.6021250		Agency: C016		Crew: MJ/SR		Date: 2002/08/17	
Site Length (m): 100		GIS UTM 10.347946.6021284		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☒							
Dewatered: ☐		Trib.: ☐							
Stage: Low ☒									
Med ☐									
High ☐									
Temp (C): 8		pH: 8.4		Conductivity: 90					
						Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Gravels		D95 (cm): 2.00		Bars: Non ☒		Side ☐		Diagonal ☐	
Subdominant: Fines		D (cm): 2.00				Mid-channel ☐		Span ☐	
Channel Pattern: Irregular, Wandering		Islands: None		DISTURBANCE		O1		B1	
Coupling: Coupled				INDICATORS		B2		B3	
Confinement: Confined						D1		D2	
Morphology: CP Cascade Pool						D3			
				C1		C2		C3	
				C4		C5		S1	
				S2		S3		S4	
				S5					
COVER									
Total Cover: Trace		Type: SWD		LWD		B		U	
LWD: Few		Amount: S		T		N		S	
LWD Dist: Evenly Distributed		Location: P/S/O:		☒		☒		☒	
				☒		☒		☒	
Right Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☒		Cobble ☐		Boulder ☐	
Left Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☒		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg: Mixed C/D		Stage: Young forest							
Left Bank: Rip.Veg:		Stage: Young forest							
				Instream Veg: None ☒		Algae ☐		Moss ☐	
						Vascular ☐			
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
200	EF	1	30	17 sec	500	NFC	0		

Roll# 16, Frame# 17, CD# 4, Image#365, Direction: Upstream, Scale/Comment:cam bag
 Roll# 16, Frame# 18, CD# 4, Image#366, Direction: Downstream, Scale/Comment:cam bag
 site = UTM = mouth. Overwintering Habitat - none - seasonal. Other - 2nd sampling - NFC - lack sufficient habitat to support fish.
 Rearing Habitat - none - pools shallow, soon will dry - creek watered only for 30m, no instream cover @ HW. Spawning Habitat - none - mixed fines and small gravels

Roll# 16, Frame# 15, CD# 4, Image#363, Direction: Upstream, Scale/Comment:cam bag
Roll# 16, Frame# 16, CD# 4, Image#364, Direction: Downstream, Scale/Comment:cam bag
flows through gully with ~15% subflow sections caused by bridged banks. site = UTM = mouth. Spawning Habitat - none - no
suitable substrate. Overwintering Habitat - none - too shallow. Rearing Habitat - none - shallow creek, pretty exposed, cutbanks
now as overhanging banks, stream trickles through cobbles. Other - no potential use in spring d/t overall lack of instream cover

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #
.1 93K.034 34564

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000-000					ILP Map #: 93K.034		ILP #: 34564		
REACH									
Reach #: .1		UTM(Zone/East/North): 10.348526.6020628				Sample Type: Biased			
Length (km): .12		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 5.0		Confinement: Occasionally Con		Order: 1		Open water:			
US Elev (m): 873		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 202		Field UTM 10.348666.6020672		Agency: C016		Crew: MJ/SR		Date: 2002/08/17	
Site Length (m): 150		GIS UTM 10.348643.6020667		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribes.: ☐		Channel Width (m): 0.85		0.600		1.100	
Stage: Low ☒				Wetted Width (m): 0.43		0.200		0.5	
Med ☐				Bankfull Depth (m): 0.10		0.1		0.1	
High ☐									
Temp (C): 8		pH: 8.2		Conductivity: 80		Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Gravels		D95 (cm): 4.00		Bars: Non ☐		Side ☒		Diagonal ☐	
Subdominant: Fines		D (cm): 2.00						Mid-channel ☐	
Channel Pattern: Sinuous		Islands: None		DISTURBANCE INDICATORS		O1		B1	
Coupling: Partially Coupled						B2		B3	
Confinement: Occasionally Confine						D1		D2	
Morphology: RP Riffle Pool						D3			
						C1		C2	
						C3		C4	
						C5		S1	
						S2		S3	
						S4		S5	
COVER									
Total Cover: Trace		Type: SWD		LWD		B		U	
LWD: None		Amount: T		N		N		D	
LWD Dist: Not Applicable		Location: P/S/O:		☒		☐		☐	
				☐		☐		☐	
Right Bank: Shape: Sloping (g)		Texture: Fines ☒		Gravel ☒		Cobble ☐		Boulder ☐	
Left Bank: Shape: Sloping (g)		Texture: Fines ☒		Gravel ☒		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg: Coniferous		Stage: Mature forest							
Left Bank: Rip.Veg:		Stage: Mature forest							
				Instream Veg: None ☒		Algae ☐		Moss ☐	
								Vascular ☐	
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
202	EF	1	150	45 sec	500	NFC	0		
Roll# 16, Frame# 11, CD# 4, Image#359, Direction: Upstream, Scale/Comment: MJ Roll# 16, Frame# 12, CD# 4, Image#360, Direction: Downstream, Scale/Comment: cam bag site = UTM = mouth. Rearing Habitat - poor - v. shallow and exposed, some cover in v. few CB and shallow pools with sticks. Other - v. low value. Spawning Habitat - potentially usable in spring, however v. poor holding places - v. unlikely use ever. Overwintering Habitat - none									

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapia Resampling

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

Reach # ILP Map # ILP #

1.0 93K.034 34564

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.034		ILP #: 34564		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.348389.6020537				Sample Type: Biased			
Length (km): .18		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 11.7		Confinement: Occasionally Con		Order: 1		Open water:			
US Elev (m): 894		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 203		Field UTM 10.348537.6020625		Agency: C016		Crew: MJ/SR		Date: 2002/08/17	
Site Length (m): 100		GIS UTM 10.348537.6020625		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☒							
Dewatered: ☐		Tribes.: ☐							
Stage: Low ☒									
Med ☐									
High ☐									
Temp (C):		pH:		Conductivity:					
Turbidity.: Turbid ☐ Low ☐									
Moderate ☐ Clear ☐									
MORPHOLOGY									
Bed Material: Dominant: Fines		D95 (cm): 1.00		Bars: Non ☒		Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐			
Subdominant: Gravels		D (cm): 1.00				Braid ☐			
Channel Pattern: Sinuous		Islands: None		DISTURBANCE INDICATORS		O1 B1 B2 B3 D1 D2 D3			
Coupling: Coupled									
Confinement: Confined									
Morphology: RP Riffle Pool									
C1 C2 C3 C4 C5 S1 S2 S3 S4 S5									
COVER									
Total Cover: None		Type: SWD LWD B U DP OV IV							
LWD: Few		Amount: N N N N N N N							
LWD Dist: Evenly Distributed		Location: P/S/O:						FSZ: ☐	
Right Bank: Shape: Sloping (g)		Texture: Fines ☒ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐						Crown Closure	
Left Bank: Shape: Sloping (g)		Texture: Fines ☒ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐						21-40%	
Right Bank: Rip.Veg: Shrubs		Stage: Not Applicable							
Left Bank: Rip.Veg:		Stage: Not Applicable						Instream Veg: None ☒ Algae ☐ Moss ☐ Vascular ☐	

Roll# 16, Frame# 13, CD# 4, Image#361, Direction: Upstream, Scale/Comment:cam bag

Roll# 16, Frame# 14, CD# 4, Image#362, Direction: Downstream, Scale/Comment:cam bag

flows through small gully. site = UTM. Overwintering Habitat - none. Spawning Habitat - none - mostly fines - watered only during runoff. Other - No fish habitat - seasonal, small creek with no habitat to support fish. Rearing Habitat - none - small, shallow and exposed when watered

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # 1.0 ILP Map # 93K.034 ILP # 34562

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.034		ILP #: 34562		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.348368.6019780				Sample Type:		Biased	
Length (km): .84		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 24.2		Confinement: Confined		Order: 2		Open water:			
US Elev (m): 1070		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: ☐									
SITE									
Site #: 204		Field UTM 10.348871.6020362		Agency: C016		Crew: MJ/SR		Date: 2002/08/17	
Site Length (m): 100		GIS UTM 10.348865.6020346		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribes: ☐		Channel Width (m): 0.93		0.400		1.600	
Stage: Low ☒				Wetted Width (m): 0.60		0.400		0.9	
Med ☐				Bankfull Depth (m): 0.10		0.1		0.1	
High ☐				Temp (C): 8		pH: 8.6		Conductivity: 110	
						Turbidity: Turbid ☐		Low ☐	
								Moderate ☐	
								Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Cobble		D95 (cm): 15.00		Bars: Non ☒		Side ☐		Diagonal ☐	
Subdominant: Gravels		D (cm): 6.00				Mid-channel ☐		Span ☐	
Channel Pattern: Sinuous		Islands: None		DISTURBANCE		O1		B1	
Coupling: Coupled				INDICATORS		B2		B3	
Confinement: Confined						D1		D2	
Morphology: CP Cascade Pool						D3			
				C1		C2		C3	
				C4		C5		S1	
				S2		S3		S4	
				S5					
COVER									
Total Cover: Trace		Type: SWD		LWD		B		U	
LWD: Few		Amount: S		T		S		T	
LWD Dist: Evenly Distributed		Location: P/S/O:		☒		☒		☒	
				☒		☒		☒	
Right Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☒		Cobble ☒		Boulder ☐	
Left Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☒		Cobble ☒		Boulder ☐	
Right Bank: Rip.Veg: Shrubs		Stage: Not Applicable		Rock ☐		Manmade ☐		Crown Closure	
Left Bank: Rip.Veg:		Stage: Not Applicable		Instream Veg: None ☒		Algae ☐		Moss ☐	
								Vascular ☐	
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
204	EF	1	100	42 sec	500	NFC	0		
Roll# 16, Frame# 9, CD# 4, Image#357, Direction: Upstream, Scale/Comment:cam bag Roll# 16, Frame# 10, CD# 4, Image#358, Direction: Downstream, Scale/Comment:cam bag site = UTM = mouth. Other - No fish habitat - small and moderately steep stream with no instream cover @ high flow, no pools observed, gradient rising from mouth and creek starts to flow between cobbles, few sections 2-3m long with subflow further decrease habitat value; lack R, S, O									

reach 10; Habitat 21, GDR 4, images, notes, elevation: upstream, backcountry, south of site = UTM = mouth, noticed metal tag "1312". flows on ~6% alluvial fan, scoured channel near mouth and likely percolates through deposited gravel/cobble, preventing fish from accessing. Rearing Habitat - poor - only 3 pools found, some places under LWD piles, overall poor cover and scarce, quite fast flow in riffles sections. Overwintering Habitat - none - too shallow. Other - indications of extreme fast flow in spring, likely velocity barrier to fish, than dewater near mouth, lack instream cover at high flow. Spawning Habitat - none - mixed substrate, no holding, movable near mouth

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # 1.0 ILP Map # 93K.034 ILP # 34561

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000-000					ILP Map #: 93K.034		ILP #: 34561		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.348978.6020061				Sample Type: Biased			
Length (km): .17		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 15.3		Confinement: Unconfined		Order: 1		Open water:			
US Elev (m): 893		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 206		Field UTM 10.349145.6020051		Agency: C016		Crew: MJ/SR		Date: 2002/08/17	
Site Length (m): 200		GIS UTM 10.349130.6020027		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribes: ☐		Channel Width (m): 0.00		0		0	
Stage: Low ☐				Wetted Width (m): 0.00		0		0	
Med ☐				Bankfull Depth (m): 0.00		0		0	
High ☐									
Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐		Side ☐		Diagonal ☐	
Subdominant:		D (cm):				Mid-channel ☐		Span ☐	
Channel Pattern:		Islands:		DISTURBANCE INDICATORS		O1		B1	
Coupling:						B2		B3	
Confinement:						D1		D2	
Morphology:						D3			
						C1		C2	
						C3		C4	
						C5		S1	
						S2		S3	
						S4		S5	
COVER									
Total Cover:		Type:		SWD		LWD		B	
LWD:		Amount:						U	
LWD Dist:		Location: P/S/O:						DP	
								OV	
								IV	
								FSZ: ☐	
Right Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Left Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg:		Stage:						Rock ☐	
Left Bank: Rip.Veg:		Stage:						Manmade ☐	
								Crown Closure	
								Instream Veg: None ☐	
								Algae ☐	
								Moss ☐	
								Vascular ☐	

Roll# 16, Frame# 8, CD# 4, Image#356, Direction: Upstream, Scale/Comment:book
moist swale through shrubby corridor; watered only during spring runoff, dissipates entirely 20m u/s from lake, no continuity, not a stream. site = UTM. Other - No fish habitat

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

Reach # ILP Map # ILP #

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

1.0 93K.034 34560

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000-000					ILP Map #: 93K.034		ILP #: 34560		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.348747.6019256				Sample Type:		Biased	
Length (km): .86		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 34.1		Confinement: Confined		Order: 1		Open water:			
US Elev (m): 1160		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: ☐									
SITE									
Site #: 207		Field UTM 10.349276.6019861		Agency: C016		Crew: MJ/SR		Date: 2002/08/17	
Site Length (m): 100		GIS UTM 10.349276.6019861		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Trib.: ☐		Channel Width (m): 0.00		0		0	
Stage: Low ☐				Wetted Width (m): 0.00		0		0	
Med ☐				Bankfull Depth (m): 0.00		0		0	
High ☐									
Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐		Side ☐		Diagonal ☐	
Subdominant:		D (cm):		Mid-channel ☐		Span ☐		Braid ☐	
Channel Pattern:		Islands:		DISTURBANCE INDICATORS		O1 B1 B2 B3 D1 D2 D3			
Coupling:				C1 C2 C3 C4 C5 S1 S2 S3 S4 S5					
Confinement:									
Morphology:									
COVER									
Total Cover:		Type:		SWD		LWD		B U DP OV IV	
LWD:		Amount:							
LWD Dist:		Location: P/S/O:							
Right Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Left Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg:		Stage:							
Left Bank: Rip.Veg:		Stage:							
		Instream Veg: None ☐		Algae ☐		Moss ☐		Vascular ☐	

Roll# 16, Frame# 7, CD# 4, Image#355, Direction: Upstream, Scale/Comment:no scale
site = UTM = "mouth". moist shrubby swale with no trace of channel - seepage; all vegetated by alder and Devil's Club. Other - No fish habitat

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #

1.0 93K.034 34559

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.034		ILP #: 34559		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.349066.6019183				Sample Type: Biased			
Length (km): .75		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 29.7		Confinement: Confined		Order: 1		Open water:			
US Elev (m): 1090		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 208		Field UTM 10.349339.6019796		Agency: C016		Crew: MJ/SR		Date: 2002/08/17	
Site Length (m): 100		GIS UTM 10.349347.6019796		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐							
Dewatered: ☐		Tribes: ☐							
Stage: Low ☐									
Med ☐									
High ☐									
Temp (C):		pH:		Conductivity:					
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐		Side ☐		Diagonal ☐	
Subdominant:		D (cm):		Mid-channel ☐		Span ☐		Braid ☐	
Channel Pattern:		Islands:		DISTURBANCE INDICATORS					
Coupling:				O1 B1 B2 B3 D1 D2 D3					
Confinement:				C1 C2 C3 C4 C5 S1 S2 S3 S4 S5					
Morphology:									
COVER									
Total Cover:		Type:		SWD		LWD		B	
LWD:		Amount:							
LWD Dist:		Location: P/S/O:							
Right Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Left Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg:		Stage:							
Left Bank: Rip.Veg:		Stage:							
				Instream Veg: None ☐		Algae ☐		Moss ☐	
								Vascular ☐	

Roll# 16, Frame# 6, CD# 4, Image#354, Direction: Downstream, Scale/Comment:cam bag
seepage with discontinuous channel, some patches of fluvium present but mostly organics, watered during runoff only. site = UTM.
Other - No fish habitat

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #
1.0 93K.034 34558

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.034		ILP #: 34558		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.349235.6019283				Sample Type: Biased			
Length (km): .54		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 29.3		Confinement: Confined		Order: 1		Open water:			
US Elev (m): 1025		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 209		Field UTM 10.349411.6019818		Agency: CD16		Crew: MJ/SR		Date: 2002/08/17	
Site Length (m): 100		GIS UTM 10.349447.6019733		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐							
Dewatered: ☐		Tribes: ☐							
Stage: Low ☐									
Med ☐									
High ☐		Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐ Low ☐	
								Moderate ☐ Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐					
Subdominant:		D (cm):				Braid ☐			
Channel Pattern:		Islands:		DISTURBANCE INDICATORS		O1 B1 B2 B3 D1 D2 D3			
Coupling:									
Confinement:						C1 C2 C3 C4 C5 S1 S2 S3 S4 S5			
Morphology:									
COVER									
Total Cover:		Type:		SWD		LWD		B U DP OV IV	
LWD:		Amount:							
LWD Dist:		Location: P/S/O:						FSZ: ☐	
Right Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐						Crown Closure	
Left Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐							
Right Bank: Rip.Veg:		Stage:							
Left Bank: Rip.Veg:		Stage:				Instream Veg: None ☐ Algae ☐ Moss ☐ Vascular ☐			

Roll# 16, Frame# 5, CD# 4, Image#353, Direction: Upstream, Scale/Comment: MJ
nothing but dip in moist slope vegetated by mixed forest and Devil's Club, no visible flow, percolates underground, no channel.
site = UTM. Other - No fish habitat

BFP FFHI 2002/03 - Taltapin Resampling

Reach #	ILP Map #	ILP #
1.0	93K.034	34557

Roll# 16, Frame# 4, CD# 4, Image#352, Direction: Upstream, Scale/Comment:cam bag site = UTM. seepage through colluvial fan with few short channelized sections (20m), draining directly to Taltapin L.; watered only during runoff. flow on 20% slope covered by Devil's club. Other - No fish habitat

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # 1.0 ILP Map # 93K.034 ILP # 34556

STREAM REFERENCING																																	
Gazetted Name:					Local Name:																												
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000					ILP Map #: 93K.034		ILP #: 34556																										
REACH																																	
Reach #: 1.0		UTM (Zone/East/North): 10.349589.6018678				Sample Type: Biased																											
Length (km): .93		Coupling:		Magnitude:		BGC Zone:																											
Gradient (%): 33.7		Confinement: Entrenched		Order: 2		Open water:																											
US Elev (m): 1180		Islands:		Riparian Vegetation:																													
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:																																	
SITE																																	
Site #: 211		Field UTM 10.349953.6019509		Agency: C016		Crew: MJ/SR		Date: 2002/08/17																									
Site Length (m): 100		GIS UTM 10.349919.6019505		Agency Name: FINS Consulting Ltd.																													
CHANNEL																																	
No Vis. Ch.: ☒		Intermittent: ☐		Avg		Min		Max																									
Dewatered: ☐		Tribes.: ☐		Channel Width (m): 0.00		0		0																									
Stage: Low ☐				Wetted Width (m): 0.00		0		0																									
Med ☐				Bankfull Depth (m): 0.00		0		0																									
High ☐		Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐ Low ☐																									
								Moderate ☐ Clear ☐																									
MORPHOLOGY																																	
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐																													
Subdominant:		D (cm):		Braid ☐																													
Channel Pattern:		Islands:		DISTURBANCE INDICATORS																													
Coupling:				O1 B1 B2 B3 D1 D2 D3																													
Confinement:				C1 C2 C3 C4 C5 S1 S2 S3 S4 S5																													
Morphology:																																	
COVER																																	
Total Cover:		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Type:</th> <th>SWD</th> <th>LWD</th> <th>B</th> <th>U</th> <th>DP</th> <th>OV</th> <th>IV</th> </tr> </thead> <tbody> <tr> <td>Amount:</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Location: P/S/O:</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Type:	SWD	LWD	B	U	DP	OV	IV	Amount:								Location: P/S/O:							
Type:	SWD	LWD	B	U	DP	OV	IV																										
Amount:																																	
Location: P/S/O:																																	
LWD:		FSZ: ☐																															
LWD Dist:																																	
Right Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐		Crown Closure																													
Left Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐																															
Right Bank: Rip. Veg:		Stage:																															
Left Bank: Rip. Veg:		Stage:		Instream Veg: None ☐ Algae ☐ Moss ☐ Vascular ☐																													

nothing only seasonal melt water flow "channel" totally vegetated by perennials, drains Devil's club patch; "flows" on 15% slope.
site = UTM = "mouth". Other - No fish habitat

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # 1.0 ILP Map # 93K.024 ILP # 24518

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000-000					ILP Map #: 93K.024		ILP #: 24518		
REACH									
Reach #: 1.0		UTM (Zone/East/North): 10.349652.6018575				Sample Type: Biased			
Length (km): .96		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 32.6		Confinement: Entrenched		Order: 2		Open water:			
US Elev (m): 1180		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 212		Field UTM 10.350239.6019320		Agency: C016		Crew: MJ/SR		Date: 2002/08/17	
Site Length (m): 100		GIS UTM 10.350284.6019251		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☒		Avg		Min		Max	
Dewatered: ☐		Tribes.: ☐		Channel Width (m): 0.68		0.5		0.9	
Stage: Low ☒				Wetted Width (m): 0.15		0		0.300	
Med ☐				Bankfull Depth (m): 0.47		0.4		0.5	
High ☐									
Temp (C): 7		pH: 8.7		Conductivity: 120		Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Gravels		D95 (cm): 12.00		Bars: Non ☒		Side ☐		Diagonal ☐	
Subdominant: Cobble		D (cm): 5.00				Mid-channel ☐		Span ☐	
Channel Pattern: Sinuous		Islands: None		DISTURBANCE INDICATORS		O1		B1	
Coupling: Coupled						B2		B3	
Confinement: Confined						D1		D2	
Morphology: CP Cascade Pool						D3			
						C1		C2	
						C3		C4	
						C5		S1	
						S2		S3	
						S4		S5	
COVER									
Total Cover: None		Type: SWD		LWD		B		U	
LWD: None		Amount: N		N		N		N	
LWD Dist: Not Applicable		Location: P/S/O:							
Right Bank: Shape: Undercut		Texture: Fines ☒		Gravel ☒		Cobble ☒		Boulder ☐	
Left Bank: Shape: Undercut		Texture: Fines ☒		Gravel ☒		Cobble ☒		Boulder ☐	
Right Bank: Rip.Veg: Shrubs		Stage: Not Applicable		Rock ☐		Manmade ☐		Crown Closure	
Left Bank: Rip.Veg:		Stage: Not Applicable		Instream Veg: None ☒		Algae ☐		Moss ☐	
				Vascular ☐					

Roll# 16, Frame# 1, CD# 4, Image#350, Direction: Upstream, Scale/Comment:cam bag
Roll# 16, Frame# 2, CD# 4, Image#351, Direction: Downstream, Scale/Comment:cam bag
site = UTM = mouth. Other - tiny and steep seasonal stream, flowing down slope straight to Taltapin L.; no instream cover now or when watered

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # 1.0 ILP Map # 93K.024 ILP # 24516

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.024		ILP #: 24516		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.350332.6019006				Sample Type: Biased			
Length (km): .23		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 20.9		Confinement: Confined		Order: 2		Open water:			
US Elev (m): 915		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: ☐									
SITE									
Site #: 213		Field UTM 10.350468.6019147		Agency: C016		Crew: SR/MJ		Date: 2002/08/16	
Site Length (m): 100		GIS UTM 10.350470.6019136		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Trib.: ☐		Channel Width (m): 0.00		0		0	
Stage: Low ☐				Wetted Width (m): 0.00		0		0	
Med ☐				Bankfull Depth (m): 0.00		0		0	
High ☐		Temp (C):		pH:		Conductivity:			
								Turbidity: Turbid ☐ Low ☐	
								Moderate ☐ Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐		Side ☐		Diagonal ☐	
Subdominant:		D (cm):				Mid-channel ☐		Span ☐	
Channel Pattern:		Islands:		DISTURBANCE		O1		B1	
Coupling:				INDICATORS		B2		B3	
Confinement:				C1		C2		C3	
Morphology:				C4		C5		S1	
				C6		S2		S3	
				C7		S4		S5	
				C8		S6		S7	
				C9		S8		S9	
				C10		S10		S11	
				C11		S12		S13	
				C12		S14		S15	
				C13		S16		S17	
				C14		S18		S19	
				C15		S20		S21	
				C16		S22		S23	
				C17		S24		S25	
				C18		S26		S27	
				C19		S28		S29	
				C20		S30		S31	
				C21		S32		S33	
				C22		S34		S35	
				C23		S36		S37	
				C24		S38		S39	
				C25		S40		S41	
				C26		S42		S43	
				C27		S44		S45	
				C28		S46		S47	
				C29		S48		S49	
				C30		S50		S51	
				C31		S52		S53	
				C32		S54		S55	
				C33		S56		S57	
				C34		S58		S59	
				C35		S60		S61	
				C36		S62		S63	
				C37		S64		S65	
				C38		S66		S67	
				C39		S68		S69	
				C40		S70		S71	
				C41		S72		S73	
				C42		S74		S75	
				C43		S76		S77	
				C44		S78		S79	
				C45		S80		S81	
				C46		S82		S83	
				C47		S84		S85	
				C48		S86		S87	
				C49		S88		S89	
				C50		S90		S91	
				C51		S92		S93	
				C52		S94		S95	
				C53		S96		S97	
				C54		S98		S99	
				C55		S100		S101	
				C56		S102		S103	
				C57		S104		S105	
				C58		S106		S107	
				C59		S108		S109	
				C60		S110		S111	
				C61		S112		S113	
				C62		S114		S115	
				C63		S116		S117	
				C64		S118		S119	
				C65		S120		S121	
				C66		S122		S123	
				C67		S124		S125	
				C68		S126		S127	
				C69		S128		S129	
				C70		S130		S131	
				C71		S132		S133	
				C72		S134		S135	
				C73		S136		S137	
				C74		S138		S139	
				C75		S140		S141	
				C76		S142		S143	
				C77		S144		S145	
				C78		S146		S147	
				C79		S148		S149	
				C80		S150		S151	
				C81		S152		S153	
				C82		S154		S155	
				C83		S156		S157	
				C84		S158		S159	
				C85		S160		S161	
				C86		S162		S163	
				C87		S164		S165	
				C88		S166		S167	
				C89		S168		S169	
				C90		S170		S171	
				C91		S172		S173	
				C92		S174		S175	
				C93		S176		S177	
				C94		S178		S179	
				C95		S180		S181	
				C96		S182		S183	
				C97		S184		S185	
				C98		S186		S187	
				C99		S188		S189	
				C100		S190		S191	
				C101		S192		S193	
				C102		S194		S195	
				C103		S196		S197	
				C104		S198		S199	
				C105		S200		S201	
				C106		S202		S203	
				C107		S204		S205	
				C108		S206		S207	
				C109		S208		S209	
				C110		S210		S211	
				C111		S212		S213	
				C112		S214		S215	
				C113		S216		S217	
				C114		S218		S219	
				C115		S220		S221	
				C116		S222		S223	
				C117		S224		S225	
				C118		S226		S227	
				C119		S228		S229	
				C120		S230		S231	
				C121		S232		S233	
				C122		S234		S235	
				C123		S236		S237	
				C124		S238		S239	
				C125		S240		S241	
				C126		S242		S243	
				C127		S244		S245	
				C128		S246		S247	
				C129		S248		S249	
				C130		S250		S251	
				C131		S252		S253	
				C132		S254		S255	
				C133		S256		S257	
				C134		S258		S259	
				C135		S260		S261	
				C136		S262		S263	
				C137		S264		S265	
				C138		S266		S267	
				C139		S268		S269	
				C140		S270		S271	
				C141		S272		S273	
				C142		S274		S275	
				C143		S276		S277	
				C144		S278		S279	
				C145		S280		S281	
				C146		S282		S283	
				C147		S284		S285	
				C148		S286		S287	
				C149		S288		S289	
				C150		S290		S291	
				C151		S292		S293	
				C152		S294		S295	
				C153		S296		S297	
				C154		S298		S299	
				C155		S300		S301	
				C156		S302		S303	
				C157		S304		S305	
				C158		S306		S307	
				C159		S308		S309	
				C160		S310		S311	
				C161		S312		S313	
				C162		S314		S315	
				C163		S316		S317	
				C164		S318		S319	
				C165		S320		S321	
				C166		S322		S323	
				C167		S324		S325	
				C168		S326		S327	
				C169		S328		S329	
				C170		S330		S331	
				C171		S332		S333	
				C172		S334		S335	
				C173		S336		S337	
				C174		S338		S339	
				C175		S340		S341	
				C176		S342		S343	
				C177		S344		S345	
				C178		S346		S347	
				C179		S348		S349	
				C180		S350		S351	
				C181		S352		S353	
				C182		S354		S355	
				C183		S356		S357	
				C184		S358		S359	
				C185		S360		S361	
				C186		S362		S363	
				C187		S364		S365	
				C188		S366		S367	
				C189		S368		S369	
				C190		S370		S371	
				C191		S372		S373	
				C192		S374		S375	
				C193		S376		S377	
				C194		S378		S379	
				C195		S380		S381	
				C196		S382		S383	
				C197		S384		S385	
				C198		S386		S387	
				C199		S388		S389	
				C200		S390		S391	
				C201		S392		S393	
				C202		S394		S395	
				C203		S396		S397	
				C204		S398		S399	
				C205		S400		S401	
				C206		S402			

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #

1.0 93K.024 24515

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000-000					ILP Map #: 93K.024		ILP #: 24515		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.350516.6018991				Sample Type: Biased			
Length (km): .14		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 18.6		Confinement: Confined		Order: 1		Open water:			
US Elev (m): 893		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 214		Field UTM 10.350518.6019092		Agency: C016		Crew: SR/MJ		Date: 2002/08/16	
Site Length (m): 100		GIS UTM 10.350526.6019086		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐							
Dewatered: ☐		Tribes: ☐							
Stage: Low ☐									
Med ☐									
High ☐		Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐ Low ☐	
								Moderate ☐ Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐					
Subdominant:		D (cm):				Braid ☐			
Channel Pattern:		Islands:		DISTURBANCE INDICATORS					
Coupling:				O1 B1 B2 B3 D1 D2 D3					
Confinement:				C1 C2 C3 C4 C5 S1 S2 S3 S4 S5					
Morphology:									
COVER									
Total Cover:		Type:		SWD		LWD		B U DP OV IV	
LWD:		Amount:							
LWD Dist:		Location: P/S/O:						FSZ: ☐	
Right Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐		Crown Closure					
Left Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐							
Right Bank: Rip.Veg:		Stage:							
Left Bank: Rip.Veg:		Stage:		Instream Veg: None ☐ Algae ☐ Moss ☐ Vascular ☐					

Roll# 15, Frame# 27, CD# 4, Image#349, Direction: Upstream, Scale/Comment:cam bag
 site = "mouth". Devil's club patch, no channel, no water, moist corridor, no fish habitat or potential, no fluvium. Other - none

Reach #	ILP Map #	ILP #
1.0	93K.024	24514

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

Gazetted Name:	Local Name:	
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000-000	ILP Map #: 93K.024	ILP #: 24514

Reach #: 1.0 UTM (Zone/East/North): 10.350568.6018331 Sample Type: Biased
 Length (km): .63 Coupling: Magnitude: BGC Zone:
 Gradient (%): 41.8 Confinement: Confined Order: 1 Open water:
 US Elev (m): 1130 Islands: Riparian Vegetation:
 Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:

Site #: 215 Field UTM 10.350841.6018865 Agency: C016 Crew: SR/MJ Date: 2002/08/16
Site Length (m): 100 GIS UTM 10.350849.6018862 Agency Name: FINS Consulting Ltd.

No Vis.Ch.: ☒	Intermittent: ☐		Avg	Min	Max	#		Avg	Min	Max	#	
Dewatered: ☐	Tribs.: ☐		Channel Width (m):	0.00	0	0	0	Gradient %:	21.00	21	21	1
Stage: Low ☐			Wetted Width (m):	0.00	0	0	0	Pool Depth (m):	0.00	0	0	0
Med ☐			Bankfull Depth (m):	0.00	0	0	0					
High ☐	Temp (C):	pH:						Turbidity:	Turbid ☐	Low ☐		
		Conductivity:						Moderate ☐	Clear ☐			

Bed Material: Dominant _____ D95 (cm) _____ Bars: Non ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐
Subdominant _____ D (cm) _____ Braid ☐

Channel Pattern: Islands: DISTURBANCE INDICATORS

	O1	B1	B2	B3	D1	D2	D3	
Coupling:	[]	[]	[]	[]	[]	[]	[]	[]
Confinement:	C1	C2	C3	C4	C5	S1	S2	S3
Morphology:	[]	[]	[]	[]	[]	[]	[]	[]

Total Cover:		Type:	SWD	LWD	B	U	DP	OV	IV					
LWD:		Amount:												
LWD Dist:		Location: P/S/O:								FSZ:				
Right Bank:	Shape:	Texture: Fines	☐	Gravel	☐	Cobble	☐	Boulder	☐	Rock	☐	Manmade	☐	Crown Closure
Left Bank:	Shape:	Texture: Fines	☐	Gravel	☐	Cobble	☐	Boulder	☐	Rock	☐	Manmade	☐	
Right Bank:	Rip.Veg:	Stage:												
Left Bank:	Rip.Veg:	Stage:												
		Instream Veg:	None	☐	Algae	☐	Moss	☐	Vascular	☐				

Roll# 15, Frame# 25, CD# 4, Image#347, Direction: Upstream, Scale/Comment:cam bag drainage is not an FPC stream, occasionally moist depression in terrain filled with Devils' club; lacks fluvium and continuous channel bed; leaves, detritus present from last fall. site = "mouth". Other - none

Roll# 15, Frame# 24, CD# 4, Image#346, Direction: Upstream, Scale/Comment:cam bag - only shows club site = "mouth". not an FPC stream - lacks continuous channel bed and fluvium; drainage is a Devil's club corridor. Other - none

Reach #	ILP Map #	ILP #
1.0	93K.024	24512

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

Gazetted Name:	Local Name:	
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000-000-000	ILP Map #: 93K.024	ILP #: 24512

Reach #: 1.0		UTM(Zone/East/North): 10.351328.6018484		Sample Type: Biased	
Length (km): .15		Coupling:		Magnitude:	
Gradient (%): 25.3		Confinement: Confined		BGC Zone:	
US Elev (m): 905		Islands:		Order: 1	
				Open water:	
				Riparian Vegetation:	
Bars: None ☐		Side ☐	Diagonal ☐	Mid-channel ☐	Span ☐
		Braid ☐	Landuse:		

Site #: 217	Field UTM 10.351453.6018554	Agency: C016	Crew: SR/MJ	Date: 2002/08/16
Site Length (m): 100	GIS UTM 10.351453.6018554	Agency Name: FINS Consulting Ltd.		

No Vis.Ch.: ☒	Intermittent: ☐		Avg	Min	Max	#		Avg	Min	Max	#	
Dewatered: ☐	Tribs.: ☐		Channel Width (m):	0.00	0	0	0	Gradient %:	12.00	12	12	1
Stage: Low ☐			Wetted Width (m):	0.00	0	0	0	Pool Depth (m):	0.00	0	0	0
Med ☐			Bankfull Depth (m):	0.00	0	0	0					
High ☐	Temp (C):	pH:						Turbidity:	Turbid ☐	Low ☐		
		Conductivity:							Moderate ☐	Clear ☐		

[illegible]

Total Cover: None		Type:	SWD	LWD	B	U	DP	OV	IV					
LWD:		Amount:	N	N	N	N	N	N	N					
LWD Dist:		Location: P/S/O:								FSZ:				
Right Bank:	Shape:	Texture: Fines	☐	Gravel	☐	Cobble	☐	Boulder	☐	Rock	☐	Manmade	☐	Crown Closure
Left Bank:	Shape:	Texture: Fines	☐	Gravel	☐	Cobble	☐	Boulder	☐	Rock	☐	Manmade	☐	
Right Bank:	Rip.Veg:	Stage:												
Left Bank:	Rip.Veg:	Stage:												
		Instream Veg:	None	☐	Algae	☐	Moss	☐	Vascular	☐				

Roll# 15, Frame# 23, CD# 4, Image#345, Direction: Upstream, Scale/Comment:cam bag - hard to see through Devil's club stream" has some very small flow but lacks continuity (no 100m channel bed and fluvium), also no channel or connection to Taltapin L. old cabin @ mouth. site = mouth. Other - none - discontinuous trickle

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000-000					ILP Map #: 93K.024		ILP #: 24511		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.352170.6017670				Sample Type: Biased			
Length (km): .53		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 25.1		Confinement: Confined		Order: 1		Open water:			
US Elev (m): 1000		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 218		Field UTM 10.352168.6018131		Agency: C016		Crew: SR/MJ		Date: 2002/08/16	
Site Length (m): 100		GIS UTM 10.352173.6018120		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribes.: ☐		Channel Width (m): 0.88		0.7		1.100	
Stage: Low ☐				Wetted Width (m): 0.58		0.300		1	
Med ☒				Bankfull Depth (m): 0.13		0.1		0.2	
High ☐		Temp (C): 7		pH: 8.8		Conductivity: 130			
						Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Cobble		D95 (cm): 12.00		Bars: Non ☒		Side ☐		Diagonal ☐	
Subdominant: Gravels		D (cm): 2.00				Mid-channel ☐		Span ☐	
Channel Pattern: Sinuous		Islands: None		DISTURBANCE		O1		B1	
Coupling: Coupled				INDICATORS		B2		B3	
Confinement: Confined						D1		D2	
Morphology: CP Cascade Pool						S1		S2	
						S3		S4	
						S5			
COVER									
Total Cover: Trace		Type: SWD		LWD		B		U	
LWD: Few		Amount: T		T		S		T	
LWD Dist: Evenly Distributed		Location: P/S/O:		☒		☒		☒	
				☒		☒		☒	
Right Bank: Shape: Sloping (g)		Texture: Fines ☒		Gravel ☐		Cobble ☒		Boulder ☒	
Left Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☐		Cobble ☒		Boulder ☒	
Right Bank: Rip.Veg: Shrubs				Stage: Not Applicable		Rock ☐		Manmade ☐	
Left Bank: Rip.Veg:				Instream Veg: None ☐		Algae ☐		Moss ☒	
						Vascular ☐		FSZ: ☐	
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
218	EF	1	100	68 sec	500	NFC	0		

Roll# 15, Frame# 21, CD# 4, Image#343, Direction: Upstream, Scale/Comment:cam bag

Roll# 15, Frame# 22, CD# 4, Image#344, Direction: Downstream, Scale/Comment:cam bag

site = mouth. surprised it actually had water barely enough to cover probe, doesn't get any deeper pools; too steep/shallow for fish use. Spawning Habitat - none. Overwintering Habitat - none. Rearing Habitat - poor - steep, small and v. shallow valley wall trickle with No fish habitat or passage

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #

1.0 93K.024 24508

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000					ILP Map #: 93K.024		ILP #: 24508		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.352860.6017711				Sample Type:		Biased	
Length (km): .27		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 9.3		Confinement: Occasionally Con		Order: 2		Open water:			
US Elev (m): 892		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 219		Field UTM 10.352838.6017899		Agency: C016		Crew: SR/MJ		Date: 2002/08/16	
Site Length (m): 100		GIS UTM 10.352856.6017921		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☒		Avg		Min		Max	
Dewatered: ☐		Tribes.: ☐		Channel Width (m): 0.90		0.7		1.100	
Stage: Low ☒				Wetted Width (m): 0.00		0		0	
Med ☐				Bankfull Depth (m): 0.17		0.1		0.2	
High ☐									
Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☐	
MORPHOLOGY									
Bed Material: Dominant: Fines		D95 (cm): 0.10		Bars: Non ☒		Side ☐		Diagonal ☐	
Subdominant: Not Applicable		D (cm): 0.10				Mid-channel ☐		Span ☐	
Channel Pattern: Sinuous		Islands: None		DISTURBANCE INDICATORS		O1		B1	
Coupling: Decoupled						B2		B3	
Confinement: Unconfined						D1		D2	
Morphology: RP Riffle Pool						D3			
						C1		C2	
						C3		C4	
						C5		S1	
						S2		S3	
						S4		S5	
COVER									
Total Cover: None		Type: SWD		LWD		B		U	
LWD: Few		Amount: N		N		N		N	
LWD Dist: Evenly Distributed		Location: P/S/O:							
Right Bank: Shape: Sloping (g)		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☐	
Left Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg: Shrubs		Stage: Not Applicable							
Left Bank: Rip.Veg:		Stage: Not Applicable							
				Instream Veg: None ☐		Algae ☐		Moss ☐	
								Vascular ☒	

Roll# 15, Frame# 19, CD# 4, Image#341, Direction: Upstream, Scale/Comment:cam bag
Roll# 15, Frame# 20, CD# 4, Image#342, Direction: Downstream, Scale/Comment:cam bag
channel is totally dry (again) and still is covered with last fall's leaves. site = mouth. 2nd sampling - water never seen, no fish habitat or potential. only organics, no scour power. Other - none - bone dry dirt channel, no potential

no evidence of channel - just depression on steep valley wall with vegetation change d/t moist ground, seepage (30%). site = "mouth". Other - none

site = UTM. flows through incised channel with deep cutbanks through open V gully forested by conifers. Overwintering Habitat - G - relatively common large and deep pools. Spawning Habitat - poor - mostly cobble/fines with some v. small and scarce gravel patches. Rearing Habitat - exc. in mainly P/B/CB type cover

Roll# 14, Frame# 18, CD# 4, Image#312, Direction: Downstream, Scale/Comment:SR
Roll# 14, Frame# 19, CD# 4, Image#313, Direction: Upstream, Scale/Comment:cam bag
1st BD located ~80m d/s from ILP 24024 - no fish captured above. flows through swamp with few BD's. site = UTM. Other - exc.
Habitat available up to 1st BD - many spawning gravels, exc. cover, good deep pools; BD altered channel morph. - water more
stagnant, substrate. mainly fines - still good R and O but no S as gravels very rare

Roll# 13, Frame# 20, CD# 3, Image#289, Direction: Upstream, Scale/Comment:cam bag
Roll# 13, Frame# 21, CD# 3, Image#290, Direction: Downstream, Scale/Comment:cam bag
site = UTM of BMA. caught 1 fat RB d/s of BMA (Finch C. s/c), but NFC from road d/s to here. much of channel width influenced by input of Finch C. floodplain water - much smaller @ road x-ing. RB use inferred, but low use d/t destination of abandoned s/c of Finch C. CV painted blue! Spawning Habitat - mod - frequent suitable uniform gravels, otherwise much mixed with fines. Other - good overall - expected RB - all accessible, but habitat much better @ site UTM than @ Taltapin Rd. Overwintering Habitat - poor - not deep enough or sufficient flow. Rearing Habitat - good in abundant LWD-deep pools and among SWD. overstream vegetation

BFP FFH 2002/03 - Taltapin Resampling

Reach #	ILP Map #	ILP #
10	93K.034	34013

STREAM REFERENCING																																											
Gazetted Name:						Local Name:																																					
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000						ILP Map #: 93K.034			ILP #: 34013																																		
REACH																																											
Reach #: 1.0		UTM(Zone/East/North): 10.344792.6018982				Sample Type:		Biased																																			
Length (km): 3.30		Coupling:		Magnitude:		BGC Zone:																																					
Gradient (%): 10.2		Confinement: Confined		Order: 1		Open water:																																					
US Elev (m): 1240		Islands:		Riparian Vegetation:																																							
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:																																											
SITE																																											
Site #: 224		Field UTM 10.346243.6021431		Agency: C016		Crew: SR/MJ		Date: 2002/08/08																																			
Site Length (m): 100		GIS UTM 10.346243.6021431		Agency Name: FINS Consulting Ltd.																																							
CHANNEL																																											
No Vis.Ch.: ☐		Intermittent: ☒																																									
Dewatered: ☐		Tribs.: ☐																																									
Stage: Low ☒																																											
Med ☐																																											
High ☐																																											
Temp (C): 9		pH: 8.6		Conductivity: 70																																							
				<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>Avg</td><td>Min</td><td>Max</td><td>#</td></tr> <tr><td>Channel Width (m):</td><td>0.97</td><td>0.800</td><td>1.200</td><td>6</td></tr> <tr><td>Wetted Width (m):</td><td>0.17</td><td>0</td><td>0.7</td><td>6</td></tr> <tr><td>Bankfull Depth (m):</td><td>0.27</td><td>0.2</td><td>0.3</td><td>3</td></tr> </table>		Avg	Min	Max	#	Channel Width (m):	0.97	0.800	1.200	6	Wetted Width (m):	0.17	0	0.7	6	Bankfull Depth (m):	0.27	0.2	0.3	3	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>Avg</td><td>Min</td><td>Max</td><td>#</td></tr> <tr><td>Gradient %:</td><td>4.25</td><td>4</td><td>5</td><td>4</td></tr> <tr><td>Pool Depth (m):</td><td>0.13</td><td>0.11</td><td>0.140</td><td>2</td></tr> </table>		Avg	Min	Max	#	Gradient %:	4.25	4	5	4	Pool Depth (m):	0.13	0.11	0.140	2			
Avg	Min	Max	#																																								
Channel Width (m):	0.97	0.800	1.200	6																																							
Wetted Width (m):	0.17	0	0.7	6																																							
Bankfull Depth (m):	0.27	0.2	0.3	3																																							
Avg	Min	Max	#																																								
Gradient %:	4.25	4	5	4																																							
Pool Depth (m):	0.13	0.11	0.140	2																																							
						Turbidity: Turbid ☐ Low ☐ Moderate ☐ Clear ☒																																					
MORPHOLOGY																																											
Bed Material: Dominant: Gravels		D95 (cm): 8.00		Bars: Non ☒		Side ☐		Diagonal ☐		Mid-channel ☐																																	
Subdominant: Fines		D (cm): 2.00								Span ☐																																	
Channel Pattern: Irregular, Wandering		Islands: None		DISTURBANCE INDICATORS		O1		B1		D3																																	
Coupling: Decoupled																																											
Confinement: Occasionally Confine																																											
Morphology: RP Riffle Pool																																											
				<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td></tr> <tr><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr> </table>		O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td></tr> <tr><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr> </table>		C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
O1	B1	B2	B3	D1	D2	D3																																					
☐	☐	☐	☐	☐	☐	☐																																					
C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																																		
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																		
COVER																																											
Total Cover: None																																											
LWD: Abundant																																											
LWD Dist: Evenly Distributed																																											
		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>Type:</td><td>SWD</td><td>LWD</td><td>B</td><td>U</td><td>DP</td><td>OV</td><td>IV</td></tr> <tr><td>Amount:</td><td>N</td><td>N</td><td>N</td><td>N</td><td>N</td><td>N</td><td>N</td></tr> <tr><td>Location: P/S/O:</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr> </table>		Type:	SWD	LWD	B	U	DP	OV	IV	Amount:	N	N	N	N	N	N	N	Location: P/S/O:	☐	☐	☐	☐	☐	☐	☐			FSZ: ☐													
Type:	SWD	LWD	B	U	DP	OV	IV																																				
Amount:	N	N	N	N	N	N	N																																				
Location: P/S/O:	☐	☐	☐	☐	☐	☐	☐																																				
Right Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☐		Rock ☐																																	
Left Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☐		Rock ☐																																	
Right Bank: Rip.Veg: Coniferous		Stage: Pole-sapling stage								Crown Closure																																	
Left Bank: Rip.Veg:		Stage: Pole-sapling stage								41-70%																																	
										Instream Veg: None ☐ Algae ☐ Moss ☐ Vascular ☐																																	
FEATURES																																											
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo		UTM (Z/E/N)		Method																																
93K.034	32241	FSB	.0	AL	15	GE	R:	F:	10.346243.6021431		GIS																																
Comments: from here channel deteriorates, freq. subflow and																																											

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #
1.0 93K.034 34014

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.034		ILP #: 34014		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.347251.6019340				Sample Type:		Biased	
Length (km): 1.29		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 18.0		Confinement: Confined		Order: 1		Open water:			
US Elev (m): 1200		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: ☐									
SITE									
Site #: 225		Field UTM 10.346665.6020245		Agency: C016		Crew: SR/MJ		Date: 2002/08/08	
Site Length (m): 100		GIS UTM 10.346697.6020241		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐							
Dewatered: ☐		Tribes: ☐							
Stage: Low ☐									
Med ☐									
High ☐		Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐ Low ☐	
								Moderate ☐ Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐					
Subdominant:		D (cm):							
Channel Pattern:		Islands:		DISTURBANCE INDICATORS		O1 B1 B2 B3 D1 D2 D3			
Coupling:									
Confinement:						C1 C2 C3 C4 C5 S1 S2 S3 S4 S5			
Morphology:									
COVER									
Total Cover:		Type:		SWD		LWD		B U DP OV IV	
LWD:		Amount:							
LWD Dist:		Location: P/S/O:							
Right Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐						Crown Closure	
Left Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐							
Right Bank: Rip.Veg:		Stage:							
Left Bank: Rip.Veg:		Stage:						Instream Veg: None ☐ Algae ☐ Moss ☐ Vascular ☐	

Roll# 13, Frame# 24, CD# 3, Image#293, Direction: Upstream, Scale/Comment:cam bag
site = mouth. drainage is very steep seepage down valley wall with no continuous channel bed or fluvium, no passage and no fish habitat or potential. Other - none

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #
1.0 93K.034 34015

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.034		ILP #: 34015		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.346483.6019913				Sample Type:		Biased	
Length (km): .18		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 28.3		Confinement: Confined		Order: 2		Open water:			
US Elev (m): 1038		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: ☐									
SITE									
Site #: 226		Field UTM 10.346577.6019981		Agency: C016		Crew: SR/MJ		Date: 2002/08/08	
Site Length (m): 100		GIS UTM 10.346586.6019963		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐							
Dewatered: ☐		Tribes: ☐							
Stage: Low ☐									
Med ☐									
High ☐									
Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐ Low ☐			
						Moderate ☐ Clear ☐			
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐		Side ☐		Diagonal ☐	
Subdominant:		D (cm):				Mid-channel ☐		Span ☐	
Channel Pattern:		Islands:		DISTURBANCE INDICATORS		O1 B1 B2 B3 D1 D2 D3			
Coupling:									
Confinement:									
Morphology:									
COVER									
Total Cover:		Type:		SWD		LWD		B	
LWD:		Amount:							
LWD Dist:		Location: P/S/O:							
Right Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Left Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg:		Stage:							
Left Bank: Rip.Veg:		Stage:							
								Instream Veg: None ☐ Algae ☐ Moss ☐ Vascular ☐	

Roll# 13, Frame# 25, CD# 3, Image#294, Direction: Upstream, Scale/Comment: no scale - first floor?
drainage is just steep seepage with no fish habitat or potential, no channel bed or fluvium. site = 10m from mouth. Other - none

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #

1.0 93K.024 24002

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.024		ILP #: 24002		
REACH									
Reach #: 1.0		UTM (Zone/East/North): 10.346154.6019089				Sample Type: Biased			
Length (km): .57		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 18.4		Confinement: Confined		Order: 1		Open water:			
US Elev (m): 1140		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 227		Field UTM 10.346641.6019309		Agency: C016		Crew: SR/MJ		Date: 2002/08/08	
Site Length (m): 100		GIS UTM 10.346641.6019314		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐							
Dewatered: ☐		Tribes.: ☐							
Stage: Low ☐									
Med ☐									
High ☐		Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐ Low ☐	
								Moderate ☐ Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐					
Subdominant:		D (cm):				Braid ☐			
Channel Pattern:		Islands:		DISTURBANCE INDICATORS					
Coupling:				O1 B1 B2 B3 D1 D2 D3					
Confinement:				C1 C2 C3 C4 C5 S1 S2 S3 S4 S5					
Morphology:									
COVER									
Total Cover:		Type:		SWD		LWD		B U DP OV IV	
LWD:		Amount:							
LWD Dist:		Location: P/S/O:						FSZ: ☐	
Right Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐		Crown Closure					
Left Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐							
Right Bank: Rip.Veg:		Stage:							
Left Bank: Rip.Veg:		Stage:		Instream Veg: None ☐ Algae ☐ Moss ☐ Vascular ☐					
FEATURES									
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	UTM (Z/E/N)	Method
93K.024	32271	BMA		AL		GE	R: F:	10.346641.6019309	GIS
Comments:		no drainage present							

site = "mouth". no drainage present @ mapped location or within 100m radius; nothing to photograph; only dry depression in terrain. Other - none

FSB and small drops in R.1 are only physical barriers. (S4) in R.1, S6 in R.2. substrate almost all fines/sands/gravel mixed. freq. subflow in lower reach. NFC in R.1 in 97 & 02. also walked/ shocked R.1 - NFC, but habitat available and accessible (but quite steep with lots of small drops). site = UTM = lower boundary. Other - will infer RB use in R.1, although sampling indicates no RB use occurs; no S habitat observed in R.1, no overwintering in stream at all. Cover - poor - small and shallow over fines with no S or overwintering habitat, marginal R and lack of fish in R.1 in 97 & 02 suggests no RB use occurs even in R.1; freq. subflow in upper end of R.1 further limits potential fish use

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

Reach # 1.0 ILP Map # 93K.024 ILP # 24008

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

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.024		ILP #: 24008		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.346480.6017582				Sample Type: Biased			
Length (km): .58		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 12.8		Confinement: Frequently Confin		Order: 1		Open water:			
US Elev (m): 1192		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 229		Field UTM 10.346850.6017868		Agency: C016		Crew: SR/MJ		Date: 2002/08/08	
Site Length (m): 100		GIS UTM 10.346826.6017904		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐							
Dewatered: ☐		Tribes.: ☐							
Stage: Low ☐									
Med ☐									
High ☐		Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐ Low ☐	
								Moderate ☐ Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐		Side ☐		Diagonal ☐ Mid-channel ☐ Span ☐	
Subdominant:		D (cm):						Braid ☐	
Channel Pattern:		Islands:		DISTURBANCE INDICATORS		O1 B1 B2 B3 D1 D2 D3			
Coupling:									
Confinement:									
Morphology:									
COVER									
Total Cover:		Type:		SWD		LWD		B U DP OV IV	
LWD:		Amount:							
LWD Dist:		Location: P/S/O:							
Right Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐ Rock ☐ Manmade ☐	
Left Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐ Rock ☐ Manmade ☐	
Right Bank: Rip.Veg:		Stage:						Crown Closure	
Left Bank: Rip.Veg:		Stage:						Instream Veg: None ☐ Algae ☐ Moss ☐ Vascular ☐	

Drainage lacks connection to 24007; water absorbed into mosses near mouth, has no cont. channel bed or fluvium, no fish habitat, passage or potential. ~0.2m channel width ~20m from mouth, but trickle thru moss & cobbles, not continuous. site = mouth = UTM. Other - none

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #

.1 93K.024 24014

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.024		ILP #: 24014		
REACH									
Reach #: .1		UTM(Zone/East/North): 10.347572.6017381				Sample Type:		Biased	
Length (km): .27		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 7.0		Confinement: Occasionally Con		Order: 1		Open water:			
US Elev (m): 1130		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 230		Field UTM 10.347642.6017643		Agency: C016		Crew: MJ/SR		Date: 2002/08/09	
Site Length (m): 250		GIS UTM 10.347622.6017639		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribes.: ☐		Channel Width (m): 1.18		0.600		1.600	
Stage: Low ☒				Wetted Width (m): 0.95		0.600		1.200	
Med ☐				Bankfull Depth (m): 0.27		0.2		0.3	
High ☐				Temp (C): 8		pH: 8.2		Conductivity: 40	
						Turbidity: Turbid ☐		Low ☐	
								Moderate ☐	
								Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Fines		D95 (cm): 8.00		Bars: Non ☐		Side ☒		Diagonal ☐	
Subdominant: Gravels		D (cm): 4.00						Mid-channel ☐	
Channel Pattern: Irregular, Wandering		Islands: Occasional		DISTURBANCE INDICATORS		O1		B1	
Coupling: Decoupled						B2		B3	
Confinement: Occasionally Confine						D1		D2	
Morphology: RP Riffle Pool						D3			
				C1		C2		C3	
				C4		C5		S1	
				S2		S3		S4	
				S5					
COVER									
Total Cover: Abundant		Type:		SWD		LWD		B	
LWD: Few		Amount:		T		T		N	
LWD Dist: Evenly Distributed		Location: P/S/O:		☒		☒		☐	
				☐		☐		☐	
Right Bank: Shape: Undercut		Texture: Fines ☒		Gravel ☒		Cobble ☐		Boulder ☐	
Left Bank: Shape: Undercut		Texture: Fines ☒		Gravel ☒		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg: Coniferous		Stage: Mature forest							
Left Bank: Rip.Veg:		Stage: Mature forest							
				Instream Veg: None ☒		Algae ☐		Moss ☐	
						Vascular ☐			
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
230	EF	1	250	401 sec	600	NFC	0		

Roll# 14, Frame# 5, CD# 3, Image#299, Direction: Upstream, Scale/Comment:cam bag
 Roll# 14, Frame# 6, CD# 3, Image#300, Direction: Downstream, Scale/Comment:cam bag
 site = UTM = mouth. several short subflow sections observed (3-5m long) as well as organic steps (50cm high) which may inhibit fish use and access from Finch C. W type vegetation near Finch C. (50m). Cw in W section near Finch C. Overwintering Habitat - none - too shallow. Rearing Habitat - good potential within valley of Finch C., fairly abundant pools/CB type cover. Spawning Habitat - M - likely too much fines, but sections of pure gravels & good holding observed

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # 1.0 ILP Map # 93K.024 ILP # 24014

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.024		ILP #: 24014		
REACH									
Reach #: 1.0		UTM (Zone/East/North): 10.347458.6017152				Sample Type: Biased			
Length (km): .31		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 8.1		Confinement: Occasionally Con		Order: 1		Open water:			
US Elev (m): 1155		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: ☐									
SITE									
Site #: 231		Field UTM 10.347585.6017395		Agency: C016		Crew: MJ/SR		Date: 2002/08/09	
Site Length (m): 150		GIS UTM 10.347578.6017405		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribes.: ☐		Channel Width (m): 1.55		1.3		1.8	
Stage: Low ☒				Wetted Width (m): 0.93		0.600		1.200	
Med ☐				Bankfull Depth (m): 0.13		0.1		0.2	
High ☐		Temp (C): 8		pH: 8.2		Conductivity: 40		Turbidity: Turbid ☐ Low ☐	
								Moderate ☐ Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Cobble		D95 (cm): 25.00		Bars: Non ☒		Side ☐		Diagonal ☐	
Subdominant: Gravels		D (cm): 10.00						Mid-channel ☐	
Channel Pattern: Sinuous		Islands: None		DISTURBANCE		O1		B1	
Coupling: Coupled				INDICATORS		B2		B3	
Confinement: Confined						D1		D2	
Morphology: CP Cascade Pool						D3			
				C1		C2		C3	
				C4		C5		S1	
				S2		S3		S4	
				S5					
COVER									
Total Cover: Trace		Type: SWD		LWD		B		U	
LWD: Few		Amount: N		S		D		N	
LWD Dist: Evenly Distributed		Location: P/S/O:		☐		☒		☐	
				☐		☐		☐	
Right Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☒		Cobble ☒		Boulder ☒	
Left Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☒		Cobble ☒		Boulder ☒	
Right Bank: Rip.Veg: Coniferous		Stage: Mature forest		Instream Veg: None ☐		Algae ☐		Moss ☐	
Left Bank: Rip.Veg:		Stage: Mature forest						Vascular ☐	
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
231	EF	1	150	144 sec	600	NFC	0		

Roll# 14, Frame# 7, CD# 4, Image#301, Direction: Upstream, Scale/Comment: MJ
 Roll# 14, Frame# 8, CD# 4, Image#302, Direction: Downstream, Scale/Comment: cam bag
 flows through narrow forested gully. site = UTM. Spawning Habitat - none - large & highly movable substrate, no holding, too steep. Overwintering Habitat - none - fast and shallow, no pools observed. Rearing Habitat - none - fast flow even now

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #
1.0 93K.024 24015

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.024		ILP #: 24015		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.348142.6017949				Sample Type: Biased			
Length (km): .60		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 1.3		Confinement: Unconfined		Order: 1		Open water:			
US Elev (m): 1121		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: ☐									
SITE									
Site #: 232		Field UTM 10.347745.6017642		Agency: C016		Crew: MJ/SR		Date: 2002/08/09	
Site Length (m): 100		GIS UTM 10.347743.6017647		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribes: ☐		Channel Width (m): 0.00		0		0	
Stage: Low ☐				Wetted Width (m): 0.00		0		0	
Med ☐				Bankfull Depth (m): 0.00		0		0	
High ☐									
Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐		Side ☐		Diagonal ☐	
Subdominant:		D (cm):				Mid-channel ☐		Span ☐	
Channel Pattern:		Islands:		DISTURBANCE		O1		B1	
Coupling:				INDICATORS		B2		B3	
Confinement:				C1		C2		C3	
Morphology:				C4		C5		S1	
				S2		S3		S4	
				S5					
COVER									
Total Cover:		Type:		SWD		LWD		B	
LWD:		Amount:							
LWD Dist:		Location: P/S/O:							
Right Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Left Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg:		Stage:							
Left Bank: Rip.Veg:		Stage:							
				Instream Veg: None ☐		Algae ☐		Moss ☐	
						Vascular ☐			

Roll# 14, Frame# 4, CD# 3, Image#298, Direction: Upstream, Scale/Comment:book
site = UTM. shrubby corridor with signs of wetness during snowmelt, no channel, no fluvium, just isolated mud holes among willow shrub, drains to W adjacent to Finch C. Overwintering Habitat - No fish habitat - seepage

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #
.1 93K.024 24016

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.024		ILP #: 24016		
REACH									
Reach #: .1		UTM (Zone/East/North): 10.347859.6017479				Sample Type: Biased			
Length (km): .12		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 6.7		Confinement: Occasionally Con		Order: 1		Open water:			
US Elev (m): 1122		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 233		Field UTM 10.347991.6017571		Agency: C016		Crew: MJ/SR		Date: 2002/08/09	
Site Length (m): 120		GIS UTM 10.347880.6017558		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Trib.: ☐		Channel Width (m): 1.35		1.100		1.700	
Stage: Low ☒				Wetted Width (m): 0.82		0.600		1	
Med ☐				Bankfull Depth (m): 0.33		0.3		0.4	
High ☐				Temp (C): 9		pH: 7.8		Conductivity: 30	
								Turbidity: Turbid ☐ Low ☒	
								Moderate ☐ Clear ☐	
MORPHOLOGY									
Bed Material: Dominant: Cobble		D95 (cm): 35.00		Bars: Non ☒		Side ☐		Diagonal ☐	
Subdominant: Fines		D (cm): 0.10				Mid-channel ☐		Span ☐	
Channel Pattern: Irregular, Wandering		Islands: None		DISTURBANCE		O1		B1	
Coupling: Decoupled				INDICATORS		B2		B3	
Confinement: Unconfined						D1		D2	
Morphology: RP Riffle Pool						D3			
				C1		C2		C3	
				C4		C5		S1	
				S2		S3		S4	
				S5					
COVER									
Total Cover: Trace		Type: SWD		LWD		B		U	
LWD: Few		Amount: T		T		S		S	
LWD Dist: Evenly Distributed		Location: P/S/O:		☒		☒		☒	
				☒		☒		☒	
Right Bank: Shape: Undercut		Texture: Fines ☒		Gravel ☐		Cobble ☒		Boulder ☐	
Left Bank: Shape: Undercut		Texture: Fines ☒		Gravel ☐		Cobble ☒		Boulder ☐	
Right Bank: Rip.Veg: Coniferous		Stage: Mature forest				Rock ☐		Manmade ☐	
Left Bank: Rip.Veg:		Stage: Mature forest				Instream Veg: None ☐		Algae ☒	
						Moss ☒		Vascular ☐	
FEATURES									
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	UTM (Z/E/N)	Method
93K.024	32331	BMA		AL		GE	R:	10.347880.6017578	GIS
Comments: channel 110m to E from mapped location									
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
233	EF	1				NFC	0		
Roll# 14, Frame# 9, CD# 4, Image#303, Direction: Upstream, Scale/Comment:cam bag Roll# 14, Frame# 10, CD# 4, Image#304, Direction: Downstream, Scale/Comment:cam bag flows through incised channel within Finch C. valley forested by conifers. site = UTM = mouth. Other - v. poor overall RB habitat, stream @ v. low flow, water trickles among cobbles, channel filled with algae & mosses. Overwintering Habitat - none - too shallow. Spawning Habitat - none - no suitable substrate. Rearing Habitat - potentially used @ higher flow & accessible from Finch C.									

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # 1.0 ILP Map # 93K.024 ILP # 24016

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.024		ILP #: 24016		
REACH									
Reach #: 1.0		UTM (Zone/East/North): 10.347899.6017162				Sample Type: Biased			
Length (km): .32		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 7.5		Confinement: Occasionally Con		Order: 1		Open water:			
US Elev (m): 1138		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 234		Field UTM 10.347970.6017481		Agency: C016		Crew: MJ/SR		Date: 2002/08/09	
Site Length (m): 100		GIS UTM 10.347863.6017493		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐							
Dewatered: ☐		Tribes.: ☐							
Stage: Low ☐									
Med ☐									
High ☐		Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐ Low ☐	
								Moderate ☐ Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐		Side ☐		Diagonal ☐	
Subdominant:		D (cm):						Mid-channel ☐	
								Span ☐	
Channel Pattern:		Islands:		DISTURBANCE		O1		B1	
Coupling:				INDICATORS		B2		B3	
Confinement:						D1		D2	
Morphology:						D3			
						C1		C2	
						C3		C4	
						C5		S1	
						S2		S3	
						S4		S5	
COVER									
Total Cover:		Type:		SWD		LWD		B	
LWD:		Amount:		U		DP		OV	
LWD Dist:		Location: P/S/O:		IV					
Right Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Left Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg:		Stage:		Rock ☐		Manmade ☐		Crown Closure	
Left Bank: Rip.Veg:		Stage:		Instream Veg: None ☐		Algae ☐		Moss ☐	
								Vascular ☐	

Roll# 14, Frame# 11, CD# 4, Image#305, Direction: Upstream, Scale/Comment:SR
 site = UTM. flooded willow shrub W, some isolated & channelized sections filled with orange & green algae, water filmy & stagnant. Other - No fish habitat

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

Reach # ILP Map # ILP #

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

1.0 93K.024 24017

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.024		ILP #: 24017		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.348998.6018430				Sample Type: Biased			
Length (km): 1.14		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 11.6		Confinement: Frequently Confin		Order: 1		Open water:			
US Elev (m): 1250		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 235		Field UTM 10.348188.6017656		Agency: C016		Crew: MJ/SR		Date: 2002/08/09	
Site Length (m): 100		GIS UTM 10.348200.6017648		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐							
Dewatered: ☐		Trib.: ☐							
Stage: Low ☐									
Med ☐									
High ☐		Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐ Low ☐	
								Moderate ☐ Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐					
Subdominant:		D (cm):				Braid ☐			
Channel Pattern:		Islands:		DISTURBANCE INDICATORS		O1 B1 B2 B3 D1 D2 D3			
Coupling:									
Confinement:						C1 C2 C3 C4 C5 S1 S2 S3 S4 S5			
Morphology:									
COVER									
Total Cover:		Type:		SWD LWD B U DP OV IV					
LWD:		Amount:							
LWD Dist:		Location: P/S/O:				FSZ: ☐			
Right Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐		Crown Closure					
Left Bank: Shape:		Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐							
Right Bank: Rip.Veg: Wetland		Stage:							
Left Bank: Rip.Veg:		Stage:		Instream Veg: None ☐ Algae ☐ Moss ☐ Vascular ☐					

Roll# 14, Frame# 12, CD# 4, Image#306, Direction: Upstream, Scale/Comment: no scale

site = UTM. swamp/bog with no channel - some discontinuous & orange algae filled "channels". Other - No fish habitat

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #
1.0 93K.024 24018

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.024		ILP #: 24018		
REACH									
Reach #: 1.0		UTM (Zone/East/North): 10.348950.6017960				Sample Type:		Biased	
Length (km): .63		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 13.3		Confinement: Frequently Confin			Order: 1		Open water:		
US Elev (m): 1202		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 236		Field UTM 10.348436.6017600		Agency: C016		Crew: MJ/SR		Date: 2002/08/09	
Site Length (m): 100		GIS UTM 10.348449.6017599		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribes: ☐		Channel Width (m): 0.00		0		0	
Stage: Low ☐				Wetted Width (m): 0.00		0		0	
Med ☐				Bankfull Depth (m): 0.00		0		0	
High ☐									
Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐		Side ☐		Diagonal ☐	
Subdominant:		D (cm):				Mid-channel ☐		Span ☐	
Channel Pattern:		Islands:		DISTURBANCE		O1		B1	
Coupling:				INDICATORS		B2		B3	
Confinement:				C1		C2		C3	
Morphology:				C4		C5		S1	
				S2		S3		S4	
				S5					
COVER									
Total Cover:		Type:		SWD		LWD		B	
LWD:		Amount:							
LWD Dist:		Location: P/S/O:							
Right Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Left Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg: Wetland		Stage:							
Left Bank: Rip.Veg:		Stage:							
				Instream Veg: None ☐		Algae ☐		Moss ☐	
								Vascular ☐	

Roll# 14, Frame# 13, CD# 4, Image#307, Direction: Upstream, Scale/Comment:SR
site = UTM. W with squishy ground. Other - No fish habitat

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #

1.0 93K.024 24019

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.024		ILP #: 24019		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.349363.6017980				Sample Type: Biased			
Length (km): .90		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 15.7		Confinement: Frequently Confin		Order: 1		Open water:			
US Elev (m): 1260		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: ☐									
SITE									
Site #: 237		Field UTM 10.348629.6017549		Agency: C016		Crew: MJ/SR		Date: 2002/08/09	
Site Length (m): 100		GIS UTM 10.348629.6017549		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribes: ☐		Channel Width (m): 0.00		0		0	
Stage: Low ☐				Wetted Width (m): 0.00		0		0	
Med ☐				Bankfull Depth (m): 0.00		0		0	
High ☐									
Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐		Side ☐		Diagonal ☐	
Subdominant:		D (cm):				Mid-channel ☐		Span ☐	
Channel Pattern:		Islands:		DISTURBANCE		O1		B1	
Coupling:				INDICATORS		B2		B3	
Confinement:				C1		C2		C3	
Morphology:				C4		C5		S1	
				C6		C7		S2	
				C8		C9		S3	
				C10		C11		S4	
				C12		C13		S5	
				C14		C15		S6	
				C16		C17		S7	
				C18		C19		S8	
				C20		C21		S9	
				C22		C23		S10	
				C24		C25		S11	
				C26		C27		S12	
				C28		C29		S13	
				C30		C31		S14	
				C32		C33		S15	
				C34		C35		S16	
				C36		C37		S17	
				C38		C39		S18	
				C40		C41		S19	
				C42		C43		S20	
				C44		C45		S21	
				C46		C47		S22	
				C48		C49		S23	
				C50		C51		S24	
				C52		C53		S25	
				C54		C55		S26	
				C56		C57		S27	
				C58		C59		S28	
				C60		C61		S29	
				C62		C63		S30	
				C64		C65		S31	
				C66		C67		S32	
				C68		C69		S33	
				C70		C71		S34	
				C72		C73		S35	
				C74		C75		S36	
				C76		C77		S37	
				C78		C79		S38	
				C80		C81		S39	
				C82		C83		S40	
				C84		C85		S41	
				C86		C87		S42	
				C88		C89		S43	
				C90		C91		S44	
				C92		C93		S45	
				C94		C95		S46	
				C96		C97		S47	
				C98		C99		S48	
				C100		C101		S49	
				C102		C103		S50	
				C104		C105		S51	
				C106		C107		S52	
				C108		C109		S53	
				C110		C111		S54	
				C112		C113		S55	
				C114		C115		S56	
				C116		C117		S57	
				C118		C119		S58	
				C120		C121		S59	
				C122		C123		S60	
				C124		C125		S61	
				C126		C127		S62	
				C128		C129		S63	
				C130		C131		S64	
				C132		C133		S65	
				C134		C135		S66	
				C136		C137		S67	
				C138		C139		S68	
				C140		C141		S69	
				C142		C143		S70	
				C144		C145		S71	
				C146		C147		S72	
				C148		C149		S73	
				C150		C151		S74	
				C152		C153		S75	
				C154		C155		S76	
				C156		C157		S77	
				C158		C159		S78	
				C160		C161		S79	
				C162		C163		S80	
				C164		C165		S81	
				C166		C167		S82	
				C168		C169		S83	
				C170		C171		S84	
				C172		C173		S85	
				C174		C175		S86	
				C176		C177		S87	
				C178		C179		S88	
				C180		C181		S89	
				C182		C183		S90	
				C184		C185		S91	
				C186		C187		S92	
				C188		C189		S93	
				C190		C191		S94	
				C192		C193		S95	
				C194		C195		S96	
				C196		C197		S97	
				C198		C199		S98	
				C200		C201		S99	
				C202		C203		S100	
				C204		C205		S101	
				C206		C207		S102	
				C208		C209		S103	
				C210		C211		S104	
				C212		C213		S105	
				C214		C215		S106	
				C216		C217		S107	
				C218		C219		S108	
				C220		C221		S109	
				C222		C223		S110	
				C224		C225		S111	
				C226		C227		S112	
				C228		C229		S113	
				C230		C231		S114	
				C232		C233		S115	
				C234		C235		S116	
				C236		C237		S117	
				C238		C239		S118	
				C240		C241		S119	
				C242		C243		S120	
				C244		C245		S121	
				C246		C247		S122	
				C248		C249		S123	
				C250		C251		S124	
				C252		C253		S125	
				C254		C255		S126	
				C256		C257		S127	
				C258		C259		S128	
				C260		C261		S129	
				C262		C263		S130	
				C264		C265		S131	
				C266		C267		S132	
				C268		C269		S133	
				C270		C271		S134	
				C272		C273		S135	
				C274		C275		S136	
				C276		C277		S137	
				C278		C279		S138	
				C280		C281		S139	
				C282		C283		S140	
				C284		C285		S141	
				C286		C287		S142	
				C288		C289		S143	
				C290		C291		S144	
				C292		C293		S145	
				C294		C295		S146	
				C296		C297		S147	
				C298		C299		S148	
				C300		C301		S149	
				C302		C303		S150	
				C304		C305		S151	
				C306		C307		S152	
				C308		C309		S153	
				C310		C311		S154	
				C312		C313		S155	
				C314		C315		S156	
				C316		C317		S157	
				C318		C319		S158	
				C320		C321		S159	
				C322		C323		S160	
				C324		C325		S161	
				C326		C327		S162	
				C328		C329		S163	
				C330		C331		S164	
				C332		C333		S165	
				C334		C335		S166	
				C336		C337		S167	
				C338		C339		S168	
				C340		C341		S169	
				C342		C343		S170	
				C344		C345		S171	
				C346		C347		S172	
				C348		C349		S173	
				C350		C351		S174	
				C352		C353		S175	
				C354		C355		S176	
				C356		C357		S177	
				C358		C359		S178	
				C360		C361		S179	
				C362		C363		S180	
				C364		C365		S181	
				C366		C367		S182	
				C368		C369		S183	
				C370		C371		S184	
				C372		C373		S185	
				C374		C375		S186	
				C376		C377		S187	
				C378		C379		S188	
				C380		C381		S189	
				C382		C383		S190	
				C384		C385		S191	
				C386		C387		S192	
				C388		C389		S193	
				C390		C391		S194	
				C392		C393		S195	
				C394		C395		S196	
				C396		C397		S197	
				C398		C399		S198	
				C400		C401		S199	
				C402		C403		S200	
				C404		C405		S201	

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach #	ILP Map #	ILP #
1.0	93K.024	24024

Gazetted Name:	Local Name:	
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000	ILP Map #: 93K.024	ILP #: 24024

Reach #: 1.0	UTM(Zone/East/North): 10.349917.6016071		Sample Type:	Biased
Length (km): .27	Coupling:	Magnitude:	BGC Zone:	
Gradient (%): 4.1	Confinement: Occasionally Con	Order: 1	Open water:	
US Elev (m): 1177	Islands:	Riparian Vegetation:		
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:				

Site #: 238	Field UTM 10.349956.6016351	Agency: C016	Crew: MJ/SR	Date: 2002/08/09
Site Length (m): 100	GIS UTM 10.349956.6016351	Agency Name: FINS Consulting Ltd.		

No Vis.Ch.: ☒	Intermittent: ☐		Avg	Min	Max	#		Avg	Min	Max	#	
Dewatered: ☐	Tribs.: ☐	Channel Width (m):	0.00	0	0	0		Gradient %:	0.00	0	0	0
Stage: Low ☐		Wetted Width (m):	0.00	0	0	0		Pool Depth (m):	0.00	0	0	0
Med ☐		Bankfull Depth (m):	0.00	0	0	0						
High ☐	Temp (C):	pH:						Turbidity:	Turbid ☐	Low ☐		
		Conductivity:							Moderate ☐	Clear ☐		

[illegible]

Total Cover:	Type:	SWD	LWD	B	U	DP	OV	IV	
	Amount:								
	Location: P/S/O:								FSZ:

Right Bank: Shape: Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐ Crown Closure
 Left Bank: Shape: Texture: Fines ☐ Gravel ☐ Cobble ☐ Boulder ☐ Rock ☐ Manmade ☐
 Right Bank: Rip.Veg: Stage: Instream Veg: None ☐ Algae ☐ Moss ☐ Vascular ☐
 Left Bank: Rip.Veg: Stage:

Roll# 14, Frame# 17, CD# 4, Image#311, Direction: Upstream, Scale/Comment:cam bag
R.0.1 inferred (S4). stream accessible to HW, walked & seems habitable, but unlikely; stream flows through W in lower part of reach 0.1 with few subflow sections, not preferable RB habitat. HW - stream percolates through forest/ underground, shallow, no continuous channel, no fluvium. site = UTM. Other - No fish habitat

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #
1.0 93K.034 34801

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.034		ILP #: 34801		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.345780.6021455				Sample Type: Biased			
Length (km): .34		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 9.1		Confinement: Occasionally Con		Order: 1		Open water:			
US Elev (m): 898		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 239		Field UTM 10.345783.6021782		Agency: C016		Crew: MJ/SR		Date: 2002/08/07	
Site Length (m): 100		GIS UTM 10.345803.6021723		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribes: ☐		Channel Width (m): 0.00		0		0	
Stage: Low ☐				Wetted Width (m): 0.00		0		0	
Med ☐				Bankfull Depth (m): 0.00		0		0	
High ☐									
Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐		Side ☐		Diagonal ☐	
Subdominant:		D (cm):				Mid-channel ☐		Span ☐	
Channel Pattern:		Islands:		DISTURBANCE		O1		B1	
Coupling:				INDICATORS		B2		B3	
Confinement:						D1		D2	
Morphology:						D3			
				C1		C2		C3	
				C4		C5		S1	
				S2		S3		S4	
				S5					
COVER									
Total Cover:		Type:		SWD		LWD		B	
LWD:		Amount:		U		DP		OV	
LWD Dist:		Location: P/S/O:		IV					
Right Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Left Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg:		Stage:		Rock ☐		Manmade ☐		Crown Closure	
Left Bank: Rip.Veg:		Stage:		Instream Veg: None ☐		Algae ☐		Moss ☐	
				Vascular ☐					

Roll# 13, Frame# 19, CD# 3, Image#288, Direction: Upstream, Scale/Comment:cam bag
snowmelt runoff - no fluvium, no channel, not a stream. CV should be painted green. site = UTM = mouth. Other - No fish habitat

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

Reach # 1 ILP Map # 93K.034 ILP # 34802

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

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000					ILP Map #: 93K.034		ILP #: 34802		
REACH									
Reach #: 1		UTM (Zone/East/North): 10.345117.6021012				Sample Type:		Biased	
Length (km): .60		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 14.5		Confinement: Occasionally Con		Order: 1		Open water:			
US Elev (m): 954		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse: ☐									
SITE									
Site #: 240		Field UTM 10.345215.6021579		Agency: C016		Crew: MJ/SR		Date: 2002/08/07	
Site Length (m): 600		GIS UTM 10.345215.6021568		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Tribes.: ☐		Channel Width (m): 1.40		1.200		1.600	
Stage: Low ☒				Wetted Width (m): 0.85		0.7		1	
Med ☐				Bankfull Depth (m): 0.57		0.5		0.6	
High ☐									
Temp (C): 7		pH: 8.7		Conductivity: 110		Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Cobble		D95 (cm): 40.00		Bars: Non ☐		Side ☒		Diagonal ☐	
Subdominant: Gravels		D (cm): 8.00						Mid-channel ☐	
Channel Pattern: Sinuous		Islands: Occasional		DISTURBANCE INDICATORS		O1		B1	
Coupling: Coupled						B2		B3	
Confinement: Confined						D1		D2	
Morphology: CP Cascade Pool						D3			
				C1		C2		C3	
				C4		C5		S1	
				S2		S3		S4	
				S5					
COVER									
Total Cover: Trace		Type: SWD		LWD		B		U	
LWD: Few		Amount: N		T		D		N	
LWD Dist: Clumped		Location: P/S/O:							
Right Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☒		Cobble ☒		Boulder ☒	
Left Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☒		Cobble ☒		Boulder ☒	
Right Bank: Rip.Veg: Coniferous		Stage: Mature forest		Instream Veg: None ☒		Algae ☐		Moss ☐	
Left Bank: Rip.Veg:		Stage: Mature forest						Vascular ☐	
FEATURES									
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	UTM (Z/E/N)	Method
93K.034	32401	FSB		AL	17	HC	R: 13 F: 16	10.345115.6021009	GIS
Comments: impassable to fish									
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
240	EF	1	600	729 sec	500	NFC	0		
Roll# 13, Frame# 14, CD# 3, Image#283, Direction: Upstream, Scale/Comment:dog Roll# 13, Frame# 15, CD# 3, Image#284, Direction: Downstream, Scale/Comment:boot Roll# 13, Frame# 16, CD# 3, Image#285, Direction: Upstream, Scale/Comment:cam bag - FSB in features CV should not be painted blue. site = UTM. flows through forested gully, long stretches of eroded banks. Rearing Habitat - usable @ lower flow, some deeper pools & BP present. Overwintering Habitat - none - too shallow. Other - overall - low value fish habitat, unlikely use, but possible odd occurrence. Spawning Habitat - none - mixed substrate., highly movable @ high flow, lacks good holding									

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # 1.0 ILP Map # 93K.034 ILP # 34802

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000-000					ILP Map #: 93K.034		ILP #: 34802		
REACH									
Reach #: 1.0		UTM (Zone/East/North): 10.343870.6019500				Sample Type: Biased			
Length (km): 2.20		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 12.1		Confinement: Occasionally Con		Order: 1		Open water:			
US Elev (m): 1220		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 241		Field UTM 10.345097.6021014		Agency: C016		Crew: MJ/SR		Date: 2002/08/07	
Site Length (m): 200		GIS UTM 10.345108.6021008		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☐		Intermittent: ☐		Avg		Min		Max	
Dewatered: ☐		Trib.: ☐		Channel Width (m): 1.02		0.7		1.3	
Stage: Low ☐				Wetted Width (m): 0.93		0.7		1.200	
Med ☒				Bankfull Depth (m): 0.30		0.3		0.3	
High ☐									
Temp (C): 7		pH: 8.7		Conductivity: 110		Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☒	
MORPHOLOGY									
Bed Material: Dominant: Fines		D95 (cm): 40.00		Bars: Non ☒		Side ☐		Diagonal ☐	
Subdominant: Gravels		D (cm): 3.00				Mid-channel ☐		Span ☐	
Channel Pattern: Sinuous		Islands: None		DISTURBANCE INDICATORS		O1		B1	
Coupling: Partially Coupled						B2		B3	
Confinement: Occasionally Confine						D1		D2	
Morphology: RP Riffle Pool						D3			
						C1		C2	
						C3		C4	
						C5		S1	
						S2		S3	
						S4		S5	
COVER									
Total Cover: Abundant		Type: SWD		LWD		B		U	
LWD: Few		Amount: T		T		D		S	
LWD Dist: Evenly Distributed		Location: P/S/O:		☒		☒		☒	
				☒		☒		☒	
Right Bank: Shape: Undercut		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☒	
Left Bank: Shape: Undercut		Texture: Fines ☒		Gravel ☐		Cobble ☐		Boulder ☒	
Right Bank: Rip.Veg: Coniferous		Stage: Mature forest		Instream Veg: None ☒		Algae ☐		Moss ☐	
Left Bank: Rip.Veg:		Stage: Mature forest				Vascular ☐			
FISH									
Site Number	Capture Method	Number of Events	Length fished (m)	Total Time	Voltage	Species	Total Fish	Minimum Length (mm)	Maximum Length (mm)
241	EF	1	200	229 sec	500	NFC	0		

Roll# 13, Frame# 17, CD# 3, Image#286, Direction: Downstream, Scale/Comment:boot
 Roll# 13, Frame# 18, CD# 3, Image#287, Direction: Upstream, Scale/Comment:cam bag
 site = UTM. flow freq under (~30%) through small forested valley. Overwintering Habitat - none - too shallow. Other - habitat isolated above FSB. Rearing Habitat - good habitat available in CB/P type cover. Spawning Habitat - fair, some short & scarce gravel patches present, but mostly fines, good holding areas

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # 1.0 ILP Map # 93K.034 ILP # 34803

STREAM REFERENCING											
Gazetted Name:						Local Name:					
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000-000						ILP Map #: 93K.034		ILP #:		34803	
REACH											
Reach #: 1.0		UTM (Zone/East/North): 10.343460.6019700				Sample Type: Biased					
Length (km): 2.80		Coupling:		Magnitude:		BGC Zone:					
Gradient (%): 11.7		Confinement: Occasionally Con		Order: 2		Open water:					
US Elev (m): 1195		Islands:		Riparian Vegetation:							
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:											
SITE											
Site #: 242		Field UTM 10.344881.6021623		Agency: C016		Crew: MJ/SR		Date: 2002/08/07			
Site Length (m): 100		GIS UTM 10.344841.6021602		Agency Name: FINS Consulting Ltd.							
CHANNEL											
No Vis.Ch.: ☐		Intermittent: ☒		Avg		Min		Max		#	
Dewatered: ☐		Tribes.: ☐		Channel Width (m): 0.67		0.5		0.9		6	
Stage: Low ☒				Wetted Width (m): 0.27		0		0.600		6	
Med ☐				Bankfull Depth (m): 0.10		0.1		0.1		3	
High ☐				Temp (C): 8		pH: 8.2		Conductivity: 100			
								Turbidity: Turbid ☐		Low ☐	
								Moderate ☐		Clear ☒	
MORPHOLOGY											
Bed Material: Dominant: Cobble		D95 (cm): 12.00		Bars: Non ☒		Side ☐		Diagonal ☐		Mid-channel ☐ Span ☐	
Subdominant: Gravels		D (cm): 6.00								Braid ☐	
Channel Pattern: Sinuous		Islands: None		DISTURBANCE		O1		B1		B2 B3 D1 D2 D3	
Coupling: Partially Coupled				INDICATORS		☐		☐		☐	
Confinement: Confined				C1		C2		C3		C4 C5 S1 S2 S3 S4 S5	
Morphology: CP Cascade Pool				☐		☐		☐		☐	
COVER											
Total Cover: None		Type: SWD		LWD		B		U		DP OV IV	
LWD: None		Amount: N		N		N		N		N N N	
LWD Dist: Not Applicable		Location: P/S/O:		☐		☐		☐		☐	
Right Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☒		Cobble ☒		Boulder ☐		Rock ☐ Manmade ☐	
Left Bank: Shape: V - shape		Texture: Fines ☒		Gravel ☒		Cobble ☒		Boulder ☐		Rock ☐ Manmade ☐	
Right Bank: Rip.Veg: Shrubs		Stage: Not Applicable								Crown Closure	
Left Bank: Rip.Veg:		Stage: Not Applicable								21-40%	
								Instream Veg: None ☒		Algae ☐ Moss ☐ Vascular ☐	

too shallow for sampling. stream diverted @ rd. x-ing - ditched & crosses rd 50m to E from its original location, old channel overgrown; new stream disperses on d/s side of road, inaccessible to fish. site = UTM = mouth. Other - No fish habitat - steep and small stream, no instream cover, too steep for fish use

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

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

Reach # ILP Map # ILP #

1.0 93K.033 33531

STREAM REFERENCING											
Gazetted Name:						Local Name:					
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000						ILP Map #: 93K.033			ILP #: 33531		
REACH											
Reach #: 1.0		UTM(Zone/East/North): 10.344069.6024351				Sample Type: Biased					
Length (km): .80		Coupling:		Magnitude:		BGC Zone:					
Gradient (%): 39.4		Confinement: Confined		Order: 1		Open water:					
US Elev (m): 1182		Islands:		Riparian Vegetation:							
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:											
SITE											
Site #: 243		Field UTM 10.343659.6023678		Agency: C016		Crew: MJ/SR		Date: 2002/07/28			
Site Length (m): 100		GIS UTM 10.343652.6023710		Agency Name: FINS Consulting Ltd.							
CHANNEL											
No Vis.Ch.: ☒		Intermittent: ☐									
Dewatered: ☐		Tribes: ☐									
Stage: Low ☐											
Med ☐											
High ☐		Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐		Low ☐	
								Moderate ☐		Clear ☐	
MORPHOLOGY											
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐		Side ☐		Diagonal ☐		Mid-channel ☐	
Subdominant:		D (cm):								Span ☐	
Channel Pattern:		Islands:		DISTURBANCE INDICATORS		O1		B1		B2	
Coupling:						B3		D1		D2	
Confinement:						D3					
Morphology:						C1		C2		C3	
						C4		C5		S1	
						S2		S3		S4	
						S5					
COVER											
Total Cover:		Type:		SWD		LWD		B		U	
LWD:		Amount:									
LWD Dist:		Location: P/S/O:									
Right Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐		Rock ☐	
Left Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐		Rock ☐	
Right Bank: Rip.Veg:		Stage:									
Left Bank: Rip.Veg:		Stage:									
								Instream Veg: None ☐		Algae ☐	
								Moss ☐		Vascular ☐	
FEATURES											
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	UTM (Z/E/N)	Method		
93K.033	32431	BMA		AL		GE	R: F:	10.343649.6023713	GIS		
Comments: no drainage present											

not any kind of drainage present @ mapped location - just 30% mountain slope. site = UTM

BFP FFHI 2002/03 - Taltapin Resampling

Reach #	ILP Map #	ILP #
2.0	93K.033	33533

Roll# 9, Frame# 18, CD# 2, Image#189, Direction: Upstream, Scale/Comment:cam bag
Roll# 9, Frame# 19, CD# 2, Image#190, Direction: Downstream, Scale/Comment:cam bag
site = UTM. "flows" through forested by aspen small but steep gully. infer S6 in R.1 - oops, missed it. Other - No fish habitat - steep, seasonal runoff channel

no drainage present @ mapped location or 100m vicinity - just slope forested by aspen. site = UTM

FDIS Reach/Site Summary

BFP FFHI 2002/03 - Taltapin Resampling

Reach # 1.0 ILP Map # 93K.033 ILP # 33536

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

STREAM REFERENCING									
Gazetted Name:					Local Name:				
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000-000					ILP Map #: 93K.033		ILP #: 33536		
REACH									
Reach #: 1.0		UTM(Zone/East/North): 10.342669.6024582				Sample Type: Biased			
Length (km): .24		Coupling:		Magnitude:		BGC Zone:			
Gradient (%): 11.7		Confinement: Occasionally Con				Order: 2		Open water:	
US Elev (m): 895		Islands:		Riparian Vegetation:					
Bars: None ☐ Side ☐ Diagonal ☐ Mid-channel ☐ Span ☐ Braid ☐ Landuse:									
SITE									
Site #: 247		Field UTM 10.342691.6024533		Agency: C016		Crew: MJ/SR		Date: 2002/07/28	
Site Length (m): 100		GIS UTM 10.342648.6024540		Agency Name: FINS Consulting Ltd.					
CHANNEL									
No Vis.Ch.: ☒		Intermittent: ☐							
Dewatered: ☐		Trib.: ☐							
Stage: Low ☐									
Med ☐									
High ☐									
Temp (C):		pH:		Conductivity:		Turbidity: Turbid ☐		Low ☐	
						Moderate ☐		Clear ☐	
MORPHOLOGY									
Bed Material: Dominant:		D95 (cm):		Bars: Non ☐		Side ☐		Diagonal ☐	
Subdominant:		D (cm):				Mid-channel ☐		Span ☐	
Channel Pattern:		Islands:		DISTURBANCE		O1		B1	
Coupling:				INDICATORS		B2		B3	
Confinement:						D1		D2	
Morphology:						D3			
				C1		C2		C3	
				C4		C5		S1	
				S2		S3		S4	
				S5					
COVER									
Total Cover:		Type:		SWD		LWD		B	
LWD:		Amount:		U		DP		OV	
LWD Dist:		Location: P/S/O:		IV					
Right Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Left Bank: Shape:		Texture: Fines ☐		Gravel ☐		Cobble ☐		Boulder ☐	
Right Bank: Rip.Veg:		Stage:		Rock ☐		Manmade ☐		Crown Closure	
Left Bank: Rip.Veg:		Stage:		Instream Veg: None ☐		Algae ☐		Moss ☐	
				Vascular ☐					
FEATURES									
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	UTM (Z/E/N)	Method
93K.033	32471	BMA		AL		GE	R: F:	10.342642.6024536	GIS
Comments: no drainage present									

site = UTM. no drainage present @ mapped location or 100m vicinity - just gully on d/s of rd x-ing

**Reconnaissance (1:20,000) Fish and Fish Habitat
Inventory**

**Resampling in the Taltapin Sub-unit
2002/03**

- Addendum to Subdrainages in the
Babine Lake Watershed - 1998
(WSC 480-*****)

• Appendix II: Photographs

Index of Photos Arranged by Roll and Frame
*** See Reach/Site Summary for Site Photo Reference Information**

Roll #	Frame #	Neg #	CD #	Image #	Site	Watershed Code	Gazetted Name	ILP Map	ILP	Reach	Dir	Owner	Focal Length	Date	Scale/Comments
8	21	21	2	167	155			93K.043	43521	1	U	SITE	STD	2002-07-27	water meter
8	22	22	2	168	155			93K.043	43521	1	D	SITE	STD	2002-07-27	cam bag
8	23	23	2	169	157	480-927700-02800				4	X	SITE	STD	2002-07-27	cam bag
8	24	24	2	170	156	480-927700-02800				2	U	SITE	STD	2002-07-27	no scale - Devil's Club
8	25	25	2	171	162			93K.043	43502	1	U	SITE	STD	2002-07-27	cam bag
9	1	1	2	172	162			93K.043	43502	1	D	SITE	STD	2002-07-27	cam bag
9	2	2	2	173	158	480-927700-03700				12	D	SITE	STD	2002-07-27	probe
9	3	3	2	174	158	480-927700-03700				12	U	SITE	STD	2002-07-27	cam bag
9	4	4	2	175	164			93K.033	33500	1	U	SITE	STD	2002-07-28	cam bag
9	5	5	2	176	164			93K.033	33500	1	D	SITE	STD	2002-07-28	cam bag
9	6	6	2	177	159	480-927700-03700				13	U	SITE	STD	2002-07-28	cam bag - channelized section between BD's
9	7	7	2	178	159	480-927700-03700				13	D	SITE	STD	2002-07-28	MJ/dog - BP section
9	8	8	2	179	163	480-927700-03700-59500				1	D	SITE	STD	2002-07-28	cam bag - "channel" dissipating
9	9	9	2	180	163	480-927700-03700-59500				1	U	SITE	STD	2002-07-28	cam bag
9	10	10	2	181	160	480-927700-03700				14	D	SITE	STD	2002-07-28	cam bag - channel in breached BD/pond section
9	11	11	2	182	160	480-927700-03700				14	U	SITE	STD	2002-07-28	probe
9	12	12	2	183	166			93K.033	33502	1	U	SITE	STD	2002-07-28	boot
9	13	13	2	184	166			93K.033	33502	1	D	SITE	STD	2002-07-28	cam bag
9	14	14	2	185	161	480-927700-03700				16	U	SITE	STD	2002-07-28	dog
9	15	15	2	186	161	480-927700-03700				16	BD	SITE	STD	2002-07-28	cam bag
9	16	16	2	187	165			93K.033	33501	1	U	SITE	STD	2002-07-28	cam bag
9	17	17	2	188	165			93K.033	33501	1	D	SITE	STD	2002-07-28	cam bag
9	18	18	2	189	245			93K.033	33533	2	U	SITE	STD	2002-07-28	cam bag
9	19	19	2	190	245			93K.033	33533	2	D	SITE	STD	2002-07-28	cam bag
12	9	9	3	255	168	480-927700-11300				2	U	SITE	STD	2002-08-05	cam bag - BD in features
12	10	10	3	256	168	480-927700-11300				2	D	SITE	STD	2002-08-05	cam bag - channel d/s from BD
12	11	11	3	257	168	480-927700-11300				2	U	SITE	STD	2002-08-05	no scale - flooded valley above 2nd BD
12	12	12	3	258	171			93K.033	33511	1	U	SITE	STD	2002-08-05	cam bag
12	13	13	3	259	172			93K.033	33512	1	U	SITE	STD	2002-08-05	cam bag
12	14	14	3	260	169	480-927700-11300				3	U	SITE	STD	2002-08-05	cam bag
12	15	15	3	261	169	480-927700-11300				3	D	SITE	STD	2002-08-05	cam bag
12	16	16	3	262	174			93K.033	33514	1	D	SITE	STD	2002-08-06	cam bag
12	17	17	3	263	174			93K.033	33514	1	U	SITE	STD	2002-08-06	cam bag
12	18	18	3	264	170	480-927700-11300				4	U	SITE	STD	2002-08-06	cam bag
12	19	19	3	265	170	480-927700-11300				4	D	SITE	STD	2002-08-06	cam bag
12	20	20	3	266	175	480-927700-13400				2	U	SITE	STD	2002-08-06	SR
12	21	21	3	267	175	480-927700-13400				2	D	SITE	STD	2002-08-06	probe
12	22	22	3	268	176			93K.034	34500	1	BD	SITE	STD	2002-08-06	cam bag
12	23	23	3	269	177			93K.034	34502	1	U	SITE	STD	2002-08-06	cam bag
12	24	24	3	270	177			93K.034	34502	1	D	SITE	STD	2002-08-06	cam bag
13	1	1	3	271	178			93K.034	34507	1	D	SITE	STD	2002-08-06	cam bag - note Anderson L. in background
13	2	2	3	272	182			93K.034	34508	1	U	SITE	STD	2002-08-06	cam bag
13	3	3	3	273	183			93K.034	34510	1	D	SITE	STD	2002-08-06	cam bag - might be actual stream but unmapped - photo in
13	4	4	3	274	186			93K.034	34517	1	U	SITE	STD	2002-08-06	cam bag (~15m from "mouth")
13	5	5	3	275	188			93K.034	34519	1	U	SITE	STD	2002-08-06	water tester
13	6	6	3	276	188			93K.034	34519	1	D	SITE	STD	2002-08-06	cam bag
13	7	7	3	277	190			93K.034	34521	1	U	SITE	STD	2002-08-07	cam bag - channelized - outflow from W u/s
13	8	8	3	278	190			93K.034	34521	1	D	SITE	STD	2002-08-07	cam bag - channelized - outflow from W u/s
13	9	9	3	279	190			93K.034	34521	1	X	SITE	STD	2002-08-07	no scale - collection W
13	10	10	3	280	191			93K.034	34523	1	U	SITE	STD	2002-08-07	cam bag
13	11	11	3	281	192	480-927700-19800				1	U	SITE	STD	2002-08-07	probe
13	12	12	3	282	192	480-927700-19800				1	D	SITE	STD	2002-08-07	cam bag
13	14	14	3	283	240			93K.034	34802	0.1	U	SITE	STD	2002-08-07	dog

Index of Photos Arranged by Roll and Frame
*** See Reach/Site Summary for Site Photo Reference Information**

Roll #	Frame #	Neg #	CD #	Image #	Site	Watershed Code	Gazetted Name	ILP Map	ILP	Reach	Dir	Owner	Focal Length	Date	Scale/Comments
13	15	15	3	284	240			93K 034	34802	0.1	D	SITE	STD	2002-08-07	boot
13	16	16	3	285	240			93K 034	34802	0.1	U	SITE	STD	2002-08-07	cam bag - FSB in features
13	17	17	3	286	241			93K 034	34802	1	D	SITE	STD	2002-08-07	boot
13	18	18	3	287	241			93K 034	34802	1	U	SITE	STD	2002-08-07	cam bag
13	19	19	3	288	239			93K 034	34801	1	U	SITE	STD	2002-08-07	cam bag
13	20	20	3	289	223			93K 034	34013	0.1	U	SITE	STD	2002-08-08	cam bag
13	21	21	3	290	223			93K 034	34013	0.1	D	SITE	STD	2002-08-08	cam bag
13	22	22	3	291	224			93K 034	34013	1	U	SITE	STD	2002-08-08	cam bag
13	23	23	3	292	224			93K 034	34013	1	D	SITE	STD	2002-08-08	cam bag
13	24	24	3	293	225			93K 034	34014	1	U	SITE	STD	2002-08-08	cam bag
13	25	25	3	294	226			93K 034	34015	1	U	SITE	STD	2002-08-08	no scale - forest floor?
14	1	1	3	295	228			93K 024	24007	2	U	SITE	STD	2002-08-08	cam bag
14	2	2	3	296	228			93K 024	24007	2	D	SITE	STD	2002-08-08	cam bag
14	3	3	3	297	229			93K 024	24008	1	D	SITE	STD	2002-08-08	SR
14	4	4	3	298	232			93K 024	24015	1	U	SITE	STD	2002-08-09	book
14	5	5	3	299	230			93K 024	24014	0.1	U	SITE	STD	2002-08-09	cam bag
14	6	6	3	300	230			93K 024	24014	0.1	D	SITE	STD	2002-08-09	cam bag
14	7	7	4	301	231			93K 024	24014	1	U	SITE	STD	2002-08-09	MJ
14	8	8	4	302	231			93K 024	24014	1	D	SITE	STD	2002-08-09	cam bag
14	9	9	4	303	233			93K 024	24016	0.1	U	SITE	STD	2002-08-09	cam bag
14	10	10	4	304	233			93K 024	24016	0.1	D	SITE	STD	2002-08-09	cam bag
14	11	11	4	305	234			93K 024	24016	1	U	SITE	STD	2002-08-09	SR
14	12	12	4	306	235			93K 024	24017	1	U	SITE	STD	2002-08-09	no scale
14	13	13	4	307	236			93K 024	24018	1	U	SITE	STD	2002-08-09	SR
14	14	14	4	308	237			93K 024	24019	1	U	SITE	STD	2002-08-09	cam bag
14	15	15	4	309	221			93K 034	34012	8	D	SITE	STD	2002-08-09	cam bag
14	16	16	4	310	221			93K 034	34012	8	U	SITE	STD	2002-08-09	cam bag
14	17	17	4	311	238			93K 024	24024	1	U	SITE	STD	2002-08-09	cam bag
14	18	18	4	312	222			93K 034	34012	9	D	SITE	STD	2002-08-09	SR
14	19	19	4	313	222			93K 034	34012	9	U	SITE	STD	2002-08-09	cam bag
14	20	20	4	314	181			93K 034	34505	3	U	SITE	STD	2002-08-10	cam bag
14	21	21	4	315	180			93K 034	34505	2	U	SITE	STD	2002-08-10	cam bag
14	22	22	4	316	180			93K 034	34505	2	D	SITE	STD	2002-08-10	cam bag
14	23	23	4	317	179			93K 034	34504	4	U	SITE	STD	2002-08-10	cam bag
14	24	24	4	318	179			93K 034	34504	4	D	SITE	STD	2002-08-10	cam bag
14	25	25	4	319	185			93K 034	34511	1	U	SITE	STD	2002-08-10	cam bag
14	26	26	4	320	184	480-927700-17200				0.2	U	SITE	STD	2002-08-10	dog - shows scour
14	27	27	4	321	187			93K 034	34518	1	D	SITE	STD	2002-08-10	SR
14	28	28	4	322	187			93K 034	34518	1	U	SITE	STD	2002-08-10	cam bag
15	1	1	4	323	189			93K 034	34520	1	U	SITE	STD	2002-08-10	cam bag
15	2	2	4	324	189			93K 034	34520	1	D	SITE	STD	2002-08-10	cam bag
15	18	18	4	340	220			93K 024	24507	1	U	SITE	STD	2002-08-16	cam bag
15	19	19	4	341	219			93K 024	24508	1	U	SITE	STD	2002-08-16	cam bag
15	20	20	4	342	219			93K 024	24508	1	D	SITE	STD	2002-08-16	cam bag
15	21	21	4	343	218			93K 024	24511	1	U	SITE	STD	2002-08-16	cam bag
15	22	22	4	344	218			93K 024	24511	1	D	SITE	STD	2002-08-16	cam bag
15	23	23	4	345	217			93K 024	24512	1	U	SITE	STD	2002-08-16	cam bag - hard to see through Devil's club
15	24	24	4	346	216			93K 024	24513	1	U	SITE	STD	2002-08-16	cam bag - only shows club
15	25	25	4	347	215			93K 024	24514	1	U	SITE	STD	2002-08-16	cam bag
15	26	26	4	348	213			93K 024	24516	1	U	SITE	STD	2002-08-16	cam bag
15	27	27	4	349	214			93K 024	24515	1	U	SITE	STD	2002-08-16	cam bag
16	1	1	4	350	212			93K 024	24518	1	U	SITE	STD	2002-08-17	cam bag
16	2	2	4	351	212			93K 024	24518	1	D	SITE	STD	2002-08-17	cam bag

Index of Photos Arranged by Roll and Frame
*** See Reach/Site Summary for Site Photo Reference Information**

Roll #	Frame #	Neg #	CD #	Image #	Site	Watershed Code	Gazetted Name	ILP Map	ILP	Reach	Dir	Owner	Focal Length	Date	Scale/Comments
16	4	4	4	352	210			93K.034	34557	1	U	SITE	STD	2002-08-17	cam bag
16	5	5	4	353	209			93K.034	34558	1	U	SITE	STD	2002-08-17	MJ
16	6	6	4	354	208			93K.034	34559	1	D	SITE	STD	2002-08-17	cam bag
16	7	7	4	355	207			93K.034	34560	1	U	SITE	STD	2002-08-17	no scale
16	8	8	4	356	206			93K.034	34561	1	U	SITE	STD	2002-08-17	book
16	9	9	4	357	204			93K.034	34562	1	U	SITE	STD	2002-08-17	cam bag
16	10	10	4	358	204			93K.034	34562	1	D	SITE	STD	2002-08-17	cam bag
16	11	11	4	359	202			93K.034	34564	0.1	U	SITE	STD	2002-08-17	MJ
16	12	12	4	360	202			93K.034	34564	0.1	D	SITE	STD	2002-08-17	cam bag
16	13	13	4	361	203			93K.034	34564	1	U	SITE	STD	2002-08-17	cam bag
16	14	14	4	362	203			93K.034	34564	1	D	SITE	STD	2002-08-17	cam bag
16	15	15	4	363	201			93K.034	34565	1	U	SITE	STD	2002-08-17	cam bag
16	16	16	4	364	201			93K.034	34565	1	D	SITE	STD	2002-08-17	cam bag
16	17	17	4	365	200			93K.034	34566	1	U	SITE	STD	2002-08-17	cam bag
16	18	18	4	366	200			93K.034	34566	1	D	SITE	STD	2002-08-17	cam bag
16	19	19	4	367	205	480-927700-22600				1	D	SITE	STD	2002-08-17	cam bag - FLD in features
16	20	20	4	368	205	480-927700-22600				1	D	SITE	STD	2002-08-17	cam bag
16	21	21	4	369	205	480-927700-22600				1	U	SITE	STD	2002-08-17	cam bag
16	22	22	4	370	193	480-927700-20500				2	D	SITE	STD	2002-08-18	MJ - facing u/s end of CV; recent placement of rock on left diverts flow back into CV, rather than flowing ditch line (as it did last
16	23	23	4	371	193	480-927700-20500				2	U	SITE	STD	2002-08-18	MJ - dry channel (pool), hanging CV - passable @ high flow?
16	24	24	4	372	193	480-927700-20500				2	U	SITE	STD	2002-08-18	cam bag - channel, scour appearance above road (no channel immediately d/s)
16	25	25	4	373	193	480-927700-20500				2	D	SITE	STD	2002-08-18	cam bag
16	26	26	4	374	196			93K.034	34524	1	U	SITE	STD	2002-08-18	cam bag
16	27	27	4	375	194	480-927700-20500				3	U	SITE	STD	2002-08-18	cam bag
17	1	1	4	376	194	480-927700-20500				3	D	SITE	STD	2002-08-18	cam bag
17	2	2	4	377	195	480-927700-20500				4	U	SITE	STD	2002-08-18	SR - cascade EFU in features
17	3	3	4	378	195	480-927700-20500				4	U	SITE	STD	2002-08-18	cam bag
17	4	4	4	379	195	480-927700-20500				4	D	SITE	STD	2002-08-18	cam bag
17	5	5	4	380	197	480-927700-22300				2	U	SITE	STD	2002-08-18	cam bag
17	6	6	4	381	197	480-927700-22300				2	D	SITE	STD	2002-08-18	cam bag
17	7	7	4	382	197	480-927700-22300				2	D	SITE	STD	2002-08-18	cam bag - dewatered channel in features
17	8	8	4	383	198	480-927700-22300				2.1	D	SITE	STD	2002-08-18	cam bag - note cascade pools
17	9	9	4	384	198	480-927700-22300				2.1	U	SITE	STD	2002-08-18	cam bag - note cascade pools
17	10	10	4	385	198	480-927700-22300				2.1	U	SITE	STD	2002-08-18	cam bag - debris jam adjacent to block
17	11	11	4	386	199	480-927700-22300				3	U	SITE	STD	2002-08-18	SR
17	12	12	4	387	199	480-927700-22300				3	D	SITE	STD	2002-08-18	SR
17	13	13	4	388	199	480-927700-22300				3	U	SITE	STD	2002-08-18	MJ - falls in features

R8 F21 ILP 43521 Reach 1 Site 155 - u/s view



R8 F22 ILP 43521 Reach 1 Site 155 - d/s view



R8 F23 WSC 480-927700-02800 Reach 4 Site 157 - across view



R8 F24 WSC 480-927700-02800 Reach 2 Site 156 - u/s view



R8 F25 ILP 43502 Reach 1 Site 162 - u/s view



R9 F1 ILP 43502 Reach 1 Site 162 - d/s view



R9 F2 WSC 480-927700-03700 Reach 12 Site 158 - d/s view



R9 F3 WSC 480-927700-03700 Reach 12 Site 158 - u/s view



R9 F4 ILP 33500 Reach 1 Site 164 - u/s view



R9 F5 ILP 33500 Reach 1 Site 164 - d/s view



R9 F6 WSC 480-927700-03700 Reach 13 Site 159 - u/s view



R9 F7 WSC 480-927700-03700 Reach 13 Site 159 - d/s view



R9 F8 WSC 480-927700-03700-59500 Reach 1 Site 163 - d/s view



R9 F9 WSC 480-927700-03700-59500 Reach 1 Site 163 - u/s view



R9 F10 WSC 480-927700-03700 Reach 14 Site 160 - d/s view



R9 F11 WSC 480-927700-03700 Reach 14 Site 160 - u/s view







R12 F16 ILP 33514 Reach 1 Site 174 - d/s view



R12 F17 ILP 33514 Reach 1 Site 174 - u/s view



R12 F18 WSC 480-927700-11300 Reach 4 Site 170 - u/s view



R12 F19 WSC 480-927700-11300 Reach 4 Site 170 - d/s view



R12 F20 WSC 480-927700-13400 Reach 2 Site 175 - u/s view



R12 F21 WSC 480-927700-13400 Reach 2 Site 175 - d/s view

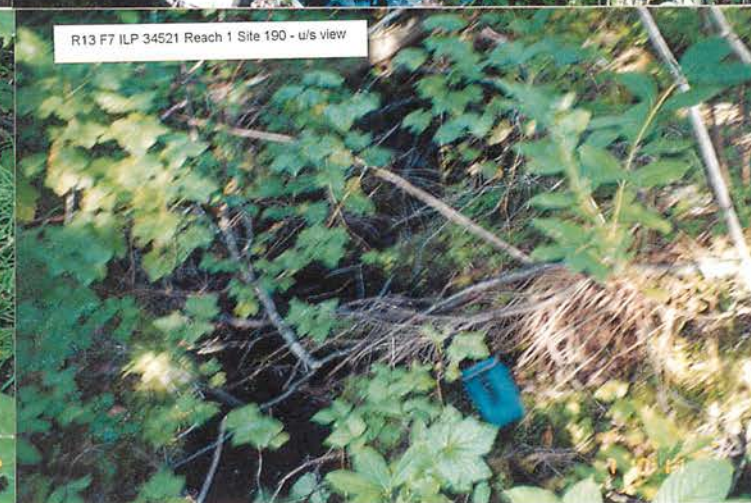


R12 F22 ILP 34500 Reach 1 Site 176 - bed view



R12 F23 ILP 34502 Reach 1 Site 177 - u/s view









R13 F25 ILP 34015 Reach 1 Site 226 - u/s view



R14 F1 ILP 24007 Reach 2 Site 228 - u/s view



R14 F2 ILP 24007 Reach 2 Site 228 - d/s view



R14 F3 ILP 24008 Reach 1 Site 229 - d/s view



R14 F4 ILP 24015 Reach 1 Site 232 - u/s view



R14 F5 ILP 24014 Reach 0.1 Site 230 - u/s view



R14 F6 ILP 24014 Reach 0.1 Site 230 - d/s view



R14 F7 ILP 24014 Reach 1 Site 231 - u/s view



R14 F8 ILP 24014 Reach 1 Site 231 - d/s view



R14 F9 ILP 24016 Reach 0.1 Site 233 - u/s view



R14 F10 ILP 24016 Reach 0.1 Site 233 - d/s view



R14 F11 ILP 24016 Reach 1 Site 234 - u/s view



R14 F12 ILP 24017 Reach 1 Site 235 - u/s view



R14 F13 ILP 24018 Reach 1 Site 236 - u/s view



R14 F14 ILP 24019 Reach 1 Site 237 - u/s view



R14 F15 ILP 34012 Reach 8 Site 221 - d/s view



R14 F16 ILP 34012 Reach 8 Site 221 - u/s view



R14 F17 ILP 24024 Reach 1 Site 238 - u/s view



R14 F18 ILP 34012 Reach 9 Site 222 - d/s view



R14 F19 ILP 34012 Reach 9 Site 222 - u/s view



R14 F20 ILP 34505 Reach 3 Site 181 - u/s view



R14 F21 ILP 34505 Reach 2 Site 180 - u/s view



R14 F22 ILP 34505 Reach 2 Site 180 - d/s view



R14 F23 ILP 34504 Reach 4 Site 179 - u/s view



R14 F24 ILP 34504 Reach 4 Site 179 - d/s view



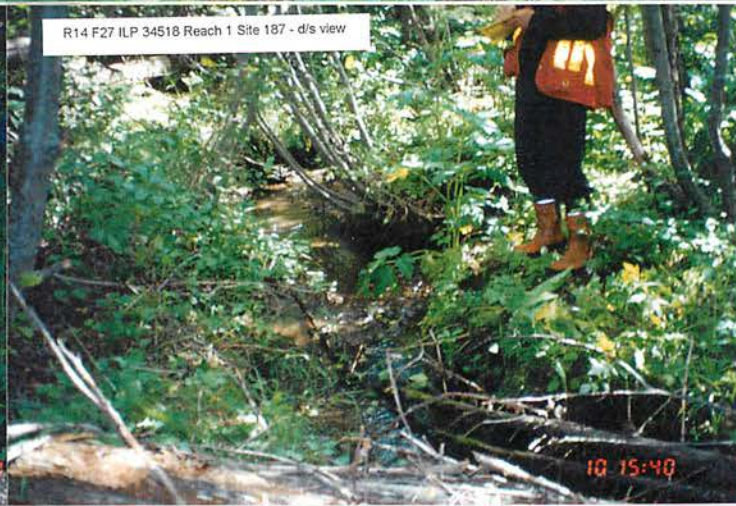
R14 F25 ILP 34511 Reach 1 Site 185 - u/s view



R14 F26 WSC 480-927700-17200 Reach 0.2 Site 184 - u/s view



R14 F27 ILP 34518 Reach 1 Site 187 - d/s view



R14 F28 ILP 34518 Reach 1 Site 187 - u/s view



R15 F1 ILP 34520 Reach 1 Site 189 - u/s view



R15 F2 ILP 34520 Reach 1 Site 189 - d/s view



R15 F18 ILP 24507 Reach 1 Site 220 - u/s view

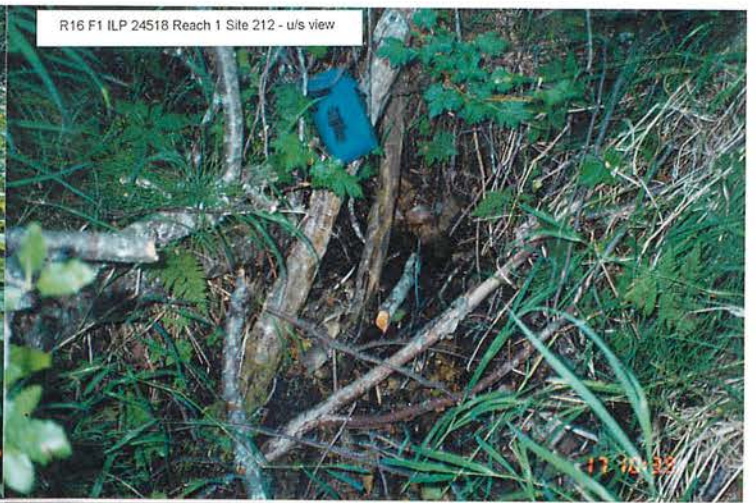




R15 F27 ILP 24515 Reach 1 Site 214 - u/s view



R16 F1 ILP 24518 Reach 1 Site 212 - u/s view



R16 F2 ILP 24518 Reach 1 Site 212 - d/s view



R16 F4 ILP 34557 Reach 1 Site 210 - u/s view



R16 F5 ILP 34558 Reach 1 Site 209 - u/s view



R16 F6 ILP 34559 Reach 1 Site 208 - d/s view



R16 F7 ILP 34560 Reach 1 Site 207 - u/s view



R16 F8 ILP 34561 Reach 1 Site 206 - u/s view





R16 F17 ILP 34566 Reach 1 Site 200 - u/s view



R16 F18 ILP 34566 Reach 1 Site 200 - d/s view



R16 F19 WSC 480-927700-22600 Reach 1 Site 205 - d/s view



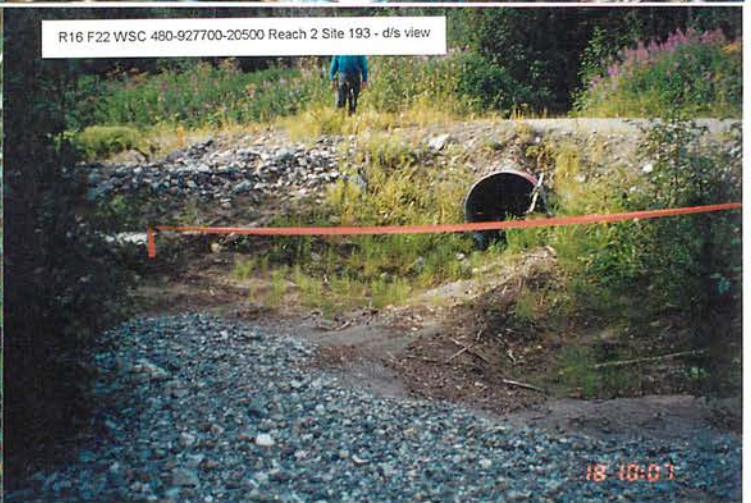
R16 F20 WSC 480-927700-22600 Reach 1 Site 205 - d/s view



R16 F21 WSC 480-927700-22600 Reach 1 Site 205 - u/s view



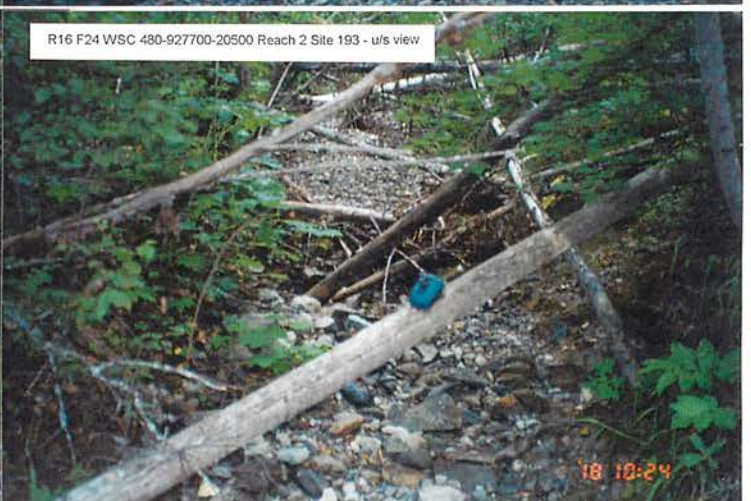
R16 F22 WSC 480-927700-20500 Reach 2 Site 193 - d/s view



R16 F23 WSC 480-927700-20500 Reach 2 Site 193 - u/s view



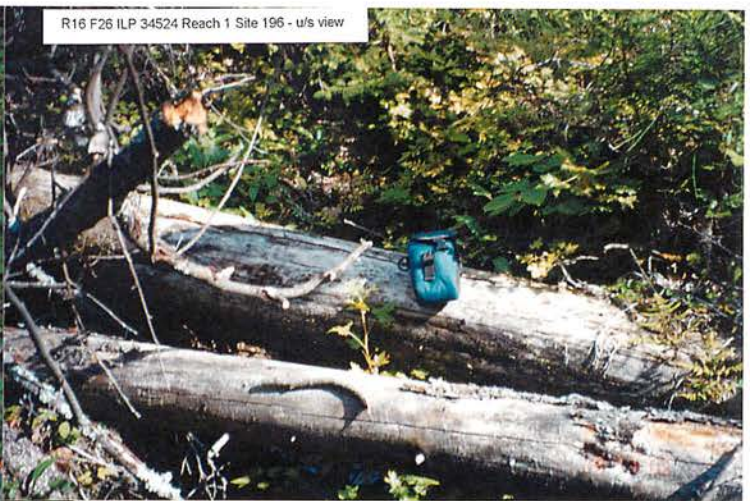
R16 F24 WSC 480-927700-20500 Reach 2 Site 193 - u/s view



R16 F25 WSC 480-927700-20500 Reach 2 Site 193 - d/s view



R16 F26 ILP 34524 Reach 1 Site 196 - u/s view



R16 F27 WSC 480-927700-20500 Reach 3 Site 194 - u/s view



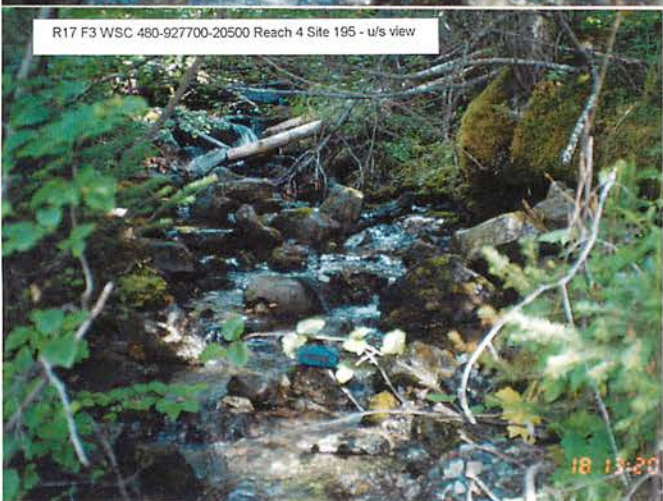
R17 F2 WSC 480-927700-20500 Reach 4 Site 195 - u/s view



R17 F1 WSC 480-927700-20500 Reach 3 Site 194 - d/s view



R17 F3 WSC 480-927700-20500 Reach 4 Site 195 - u/s view



R17 F4 WSC 480-927700-20500 Reach 4 Site 195 - d/s view



R17 F5 WSC 480-927700-22300 Reach 2 Site 197 - u/s view



R17 F6 WSC 480-927700-22300 Reach 2 Site 197 - d/s view

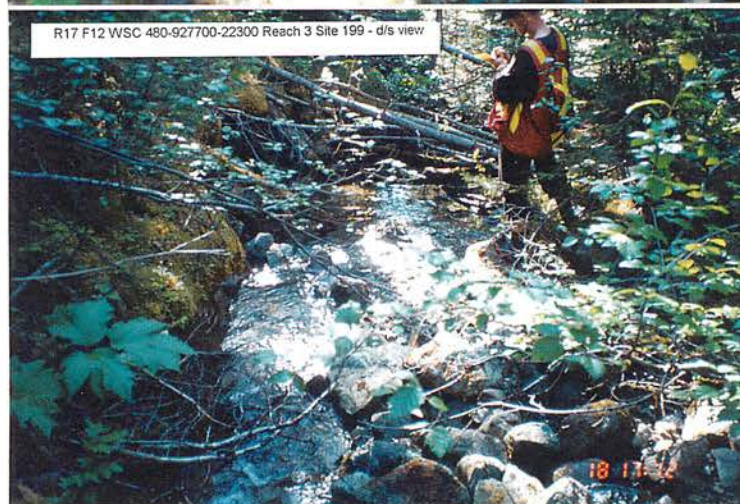
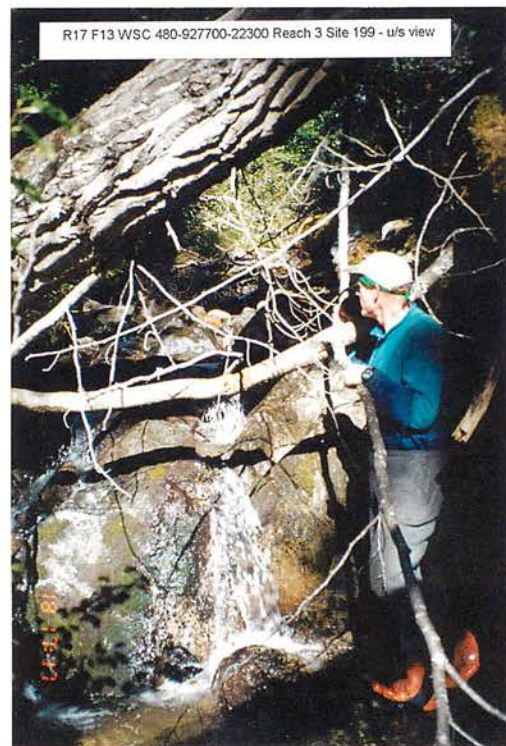


R17 F7 WSC 480-927700-22300 Reach 2 Site 197 - d/s view



R17 F8 WSC 480-927700-22300 Reach 2.1 Site 198 - d/s view





**Reconnaissance (1:20,000) Fish and Fish Habitat
Inventory**

**Resampling in the Taltapin Sub-unit
2002/03**

- Addendum to Subdrainages in the
Babine Lake Watershed - 1998
(WSC 480-*****)

• Appendix III: Hardcopy Maps