1:20,000 RECONNAISSANCE FISH AND FISH HABITAT INVENTORY

TELKWA RIVER
460-422700-

TELKWA RIVER PLANNING AREA

FISHERIES / INTERPRETIVE MAP

PACIFIC INLAND RESOURCES Ltd.
BULKLEY FOREST DISTRICT
2000

MAPSHEET# 093L.064 Map 5 of 15

1000 0 1000 2000 Meters

Scale 1:20,000
Contour Interval (20m) Projection UTM

Date: 2001/05/15 (yyyy/mm/dd)

Company: EL of TRITON ENVIRONMENTAL CONSULTANTS LTD.

STREAM INFORMATION SUMMARY

12345 Interim Locational Point (ILP)

123-12345-12345 Watershed Code

Historic Site Symbol
T98 - Z162 - DV* - S4
Historical Reference ID* | Site ID | Fish Code(s) Observed Prior to Historical Survey | Fish Code(s) Observed During Historical Survey | Stream Classification

Reach Summary Symbol
Fish Code(s)
CO DV RB
2 - 12 - R P g - C3-C4-C5 | S2* Inferred
Channel Properties: Gradient | Channel Width | Morphology | Substrate | Disturbance Indictors | Stream Classification

* Reach Gradient

Sample Site ID 15

Sample Site

123-12456-12345-GR 20 — Watershed Code / Waterbody Identifier

Lake Summary Symbol
Lake (L) or Wetland (W) | Surface Area | Maximum Depth | pH | Conductivity | TDS | Littoral Area
L - 175 - 8.0 - 6.8 - 29 | 20 - 15
CSU NFC NSC PCC RSC RB WSU
Fish Code(s)

Stream Reach Boundary

Height* (in meters) | Length* (in meters)

Obstructions
- Beaver Dam
- Falls
- Persistent Debris Accumulation
- Cascade
- Culvert
- Dam

Features
- Eroded Bank
- Slump
- Rapids
- Alluvial Fan
- Bedrock - confined
- Wetland / Marsh
- Colluvial Fan
- Landslide Debris
- Subsurface Flow
- Talus Cone
- Landslide Area
- Tributary
- Rock Outcrop
- Boulder Garden
- Dewatered Section
- Slumping Bank
- Braided Stream
- Side Channel

Enhancement / Management Activities
- Fisheries Sensitive Zone

WSC Information
12AB123 Hydrometric station

Stream Classification
- Fish Bearing
- Fish Not Present (Confirmed)
- No Visible Channel
- Fish Bearing (Inferred)
- Fish Not Present (Inferred)

TRIM Base Map Anomalies
- Field-Identified Stream
- Base Map Discontinuity

Base Map Features
- River / Stream
- Glacier
- Road - paved surface
- CORE Boundary
- River / Stream - intermittent
- Icefield
- Road - loose surface
- Lake
- Sand / Gravel Bar
- Road - rough surface
- Lake - intermittent
- Island
- Railway
- Marsh
- Index Contour
- Transmission Line
- Swamp
- Index Contour - indefinite
- Project Boundary

* NOTE : Gradients were calculated from TRIM maps during planning Phase 1 2 3 of this project.

FISH SPECIES

Source: MELP

Present CODE	DESCRIPTION
EFU	End of Fish Use
NFC	No Fish Caught
NS	Not Sampled
NFU	No Fish Use
BT	Bull Trout
DV	Dolly Varden
RB	Rainbow Trout

Historical CODE	DESCRIPTION
NFC	No Fish Caught
NS	Not Sampled
BT	Bull Trout
CH	Chinook Salmon
CO	Coho Salmon
CT	Cutthroat Trout
DV	Dolly Varden
LNC	Longnose Dace

Historical CODE	DESCRIPTION
MW	Mountain Whitefish
PCC	Peamouth Chub
PK	Pink Salmon
RB	Rainbow Trout
ST	Steelhead
SST	Steelhead (summer-run)
TR	Trout General

Historical CODE	DESCRIPTION
X	End of Fish Use
Y	Fish Presence - Salmon
Y	Fish Presence - Sport
Y	Fish Presence - Regionally Significant
Y	Fish Presence - Other
▽	Fish Observation - Salmon
▽	Fish Observation - Sport
▽	Fish Obs. - Regionally Significant
▽	Fish Observation - Other
Y*	Fish Spawning Limit - Salmon
⊙	Sample Site

BASE MAP INFORMATION

Projection: UTM Datum: NAD83 UTM Zone: 9

INVENTORY SOURCE INFORMATION

BASE: TRIM STR SYM: INV
LOC: FDE LK SYM: N/A
HAB: INV FISH: INVD
DATE INV: 2000/09/01 INV MGNT: OTH

FOREST PRACTICES CODE RIPARIAN CLASSES (STREAM CLASSIFICATION)

Riparian Class		Design Channel Width (m)	Reserve Zone Width (m)	Total RMA Width (m)
S1	Large Rivers	> 100	0	100
S1	Except Large Rivers	> 20	50	70
S2		> 5 <20	30	50
S3		> 1.5 <=5	20	40
S4		< 1.5	0	30
S5		> 3	0	30
S6		<=3	0	20

HISTORICAL REFERENCE IDENTIFICATION

SS99-11tRoad: Silvicon Services Inc. 1999. 1:5,000 FFHI, Telkwa Chart Area, 11tt ROAD. Prepared for PIR Smithers B.C. pp. 40.

SS99-CP333: Silvicon Services Inc. 1999. 1:5,000 FFHI, Telkwa Chart Area, CP 333 R/W. Prepared for PIR Smithers B.C. pp 60.

SS99-CP585: Silvicon Services Inc. 1999. 1:5,000 FFHI, Telkwa Chart Area, CP 585-1. Prepared for PIR Smithers B.C. pp 28.

SS00-CP700: Silvicon Services Inc. 1999. 1:5,000 FFHI, Telkwa Chart Area, CP 700. Prepared for PIR Smithers B.C. pp 40.

SS99-FPCI: Silvicon Services Inc. 1999. FPCI Telkwa River F.S.R. (1000 Rd.) Prepared for PIR Smithers B.C. pp 97.

SS00-CP587: Silvicon Services Inc. 2000. 1:5,000 FFHI, Telkwa Chart Area. Prepared for PIR Smithers B.C. pp 97.

SS00-CP750 : Silvicon Services Inc. 2000. 1:5,000 FFHI, Telkwa Chart Area. CP 750. Prepared for PIR Smithers B.C. pp 30.

SS00-CP701 : Silvicon Services Inc. 2000. 1:5,000 FFHI, Telkwa Chart Area, CP 701. Prepared for PIR Smithers B.C. pp 25.

SS00-CP594: Silvicon Services Inc. 2000. 1:5,000 FFHI, Telkwa Chart Area, CP 594. Prepared for PIR Smithers B.C. pp 40.

PIR00_Pacific Inland Resources. 2000. FDP, Telkwa TSA , PIR Ltd., Smithers, BC. 15 maps/hello, 1: 20,000 scale.

T98 : Triton Environmental Consultants Ltd. 1998. 1:20,000 FFHI Telkwa Chart Area. Prepared for PIR Smithers B.C. pp 200.

T99 :Triton Environmental Consultants Ltd. 1999. 1:5,000 FFHI, Telkwa Chart Area. Prepared for PIR Smithers B.C. pp 150.

B95: Dave Bustard and Associates LTD 1995. Juvenile Coho Population Estimates in the Telkwa River Ponds May 1995. Prepared for DFO. pp 12.

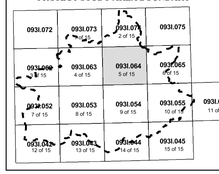
B97: Dave Bustard and Associates Ltd., Limnotek Research and Development Inc 1998 (Draft). Aquatic Resource Baseline Studies Telkwa Coal Project 1997.

Prepared for Manalta Coal Ltd.: pp 215
M, MB, SH: MELP Regional Files and personal communications 2001.

INVENTORY SOURCE INFORMATION CODES

CODE	DESCRIPTION
BASE	Base Map
TRIM	1:20,000 TRIM Maps
NTS	1:50,000 NTS Maps
OTH	Other Map Source
STR SYM	Stream Symbol
INV	Field Inventory
SS	Summary
N/A	Not Applicable
OTH	Other
LOC	Location Information
INV	Field Inventory
SS	Summary
FDE	Field Estimate
FDG	Field, GPS
APE	Airphoto, Estimate
APP	Airphoto, Planimetric
VDN	Video, Approximate
VPC	Video, Corrected
OTH	Other
HAB	Habitat Information
INV	Field Inventory
SS	Summary
N/A	Not Applicable
OTH	Other
FISH	Fish Information
INVD	Detailed Field Inventory
INVG	General Field Inventory
SS	Summary
N/A	Not Applicable
OTH	Other
DATE INV	Date of Inventory
INV MGNT	Group/person resp. for conducting inventory
MELP	Ministry of Environment, Lands & Parks
MOF	Ministry of Forests
GSC	Geological Survey of Canada
OTH	Other

PROJECT STUDY AREA BOUNDARY



"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."

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