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.055 Map 10 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

Interim Locational Point (ILP)

Watershed Code

Historic Site Symbol
T 9 8 - Z 1 6 2 - D V - S 4
Historical Reference ID — Site ID — Fish Code(s) + Spawning Habitat + Inventory Year — Stream Classification

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

Channel Properties

* Reach Gradient

Sample Site ID

Sample Site

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

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

Enhancement / Management Activities
- Fisheries Sensitive Zone

WSC Information
12AB123 Hydrometric station

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

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

Base Map Features
- River / Stream
- River / Stream - intermittent
- Lake
- Lake - intermittent
- Marsh
- Swamp
- Glacier
- Icefield
- Sand / Gravel Bar
- Inland
- Index Contour
- Index Contour - indefinite
- Road - paved surface
- Road - loose surface
- Road - rough surface
- Railway
- Transmission Line
- Project Boundary
- CORE 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
Y	Fish Observation - Salmon
Y	Fish Observation - Sport
Y	Fish Obs. - Regionally Significant
Y	Fish Observation - Other
Jr	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	Average Channel Width (m)	Reserve Zone Width (m)	Management Zone Width (m)	Total RMA Width (m)
S1 Large Rivers	≥ 100	0	100	100
S1 Small to Large Rivers	> 20	50	20	70
S2	> 5 - ≤20	30	20	50
S3	1.5 - ≤5	20	20	40
S4	< 1.5	0	30	30
S5	> 3	0	30	30
S6	≤ 3	0	20	20

HISTORICAL REFERENCE IDENTIFICATION

S599-11Road : Silvicon Services Inc. 1999. 1:5,000 FFHI, Telkwa Chart Area, 118 ROAD. Prepared for PIR Smithers B.C. pp. 40.

S599-CP333 : Silvicon Services Inc. 1999. 1:5,000 FFHI, Telkwa Chart Area, CP 333 R/W. Prepared for PIR Smithers B.C. pp 60.

S599-CP585 : Silvicon Services Inc. 1999. 1:5,000 FFHI, Telkwa Chart Area, CP 585-1. Prepared for PIR Smithers B.C. pp 28.

S500-CP700 : Silvicon Services Inc. 1999. 1:5,000 FFHI, Telkwa Chart Area, CP 700. Prepared for PIR Smithers B.C. pp 40.

S599-FPCI : Silvicon Services Inc. 1999. FPCI Telkwa River F.S.R. (1000 Rd.) Prepared PIR Smithers B.C. pp 61.

S500-CP587 : Silvicon Services Inc. 2000. 1:5,000 FFHI, Telkwa Chart Area, CP 587. Prepared for PIR Smithers B.C. pp 97.

S500-CP701 : Silvicon Services Inc. 2000. 1:5,000 FFHI, Telkwa Chart Area, CP 701. Prepared for PIR Smithers B.C. pp. 25.

S500-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/sets, 1: 20,000 scale.

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

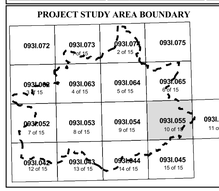
CODE	DESCRIPTION
LK SYM - Lake Symbol	
INV	Field Inventory
SS	Summary
N/A	Not Applicable
OTH	Other
LOC - Location Information	
FDE	Field Estimate
FDG	Field, GPS
APE	Airphoto, Estimate

CODE	DESCRIPTION
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

CODE	DESCRIPTION
AP	Aerial Photography
VID	Video
DVD	Detailed Field Inventory
INVD	General Field Inventory
SS	Summary
N/A	Not Applicable
OTH	Other
DATE INV - Date of Inventory	

CODE	DESCRIPTION
INVMGNT - 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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