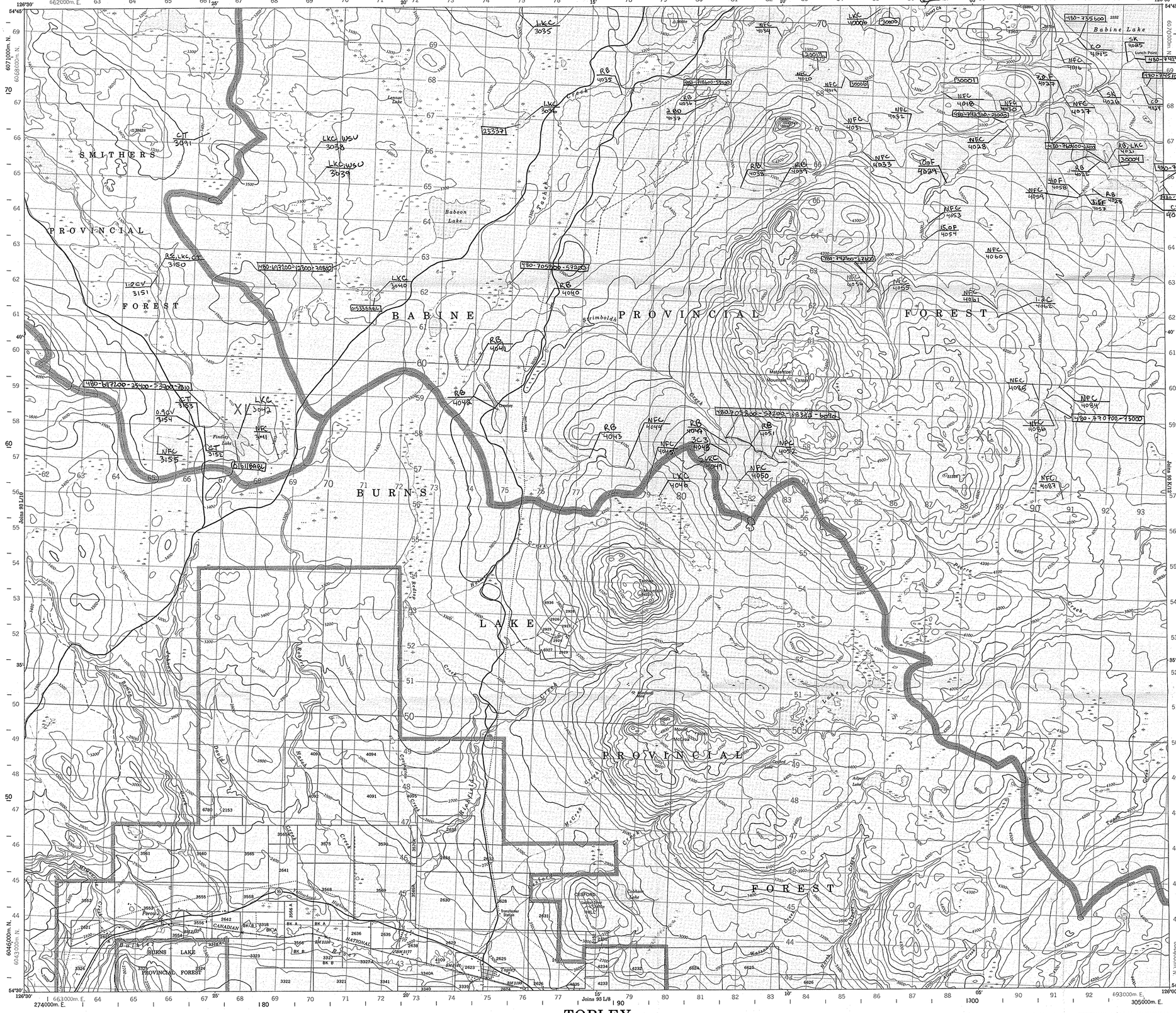
CANADA

93 L/9i — 1:50,000 — Joins 93 L/16 — EDITION 2 — 93 L/9



Military users, refer to this map as: / Référence de cette carte pour usage militaire:

SERIES	A721	SÉRIE
MAP	93 L/9	CARTE
EDITION	2 MCE	EDITION

CONVERSION SCALE FOR ELEVATIONS / ÉCHELLE DE CONVERSION DES ÉLÉVATIONS (Metres to Feet / Mètres en Pieds)

T.N. N.A. — 2°15' 0/100 40 Mills — 23°58' 0/100 426 Mills — True North / Nord vrai — Grid North / Nord du quadrillage — Magnetic North / Nord magnétique

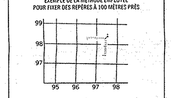
Use diagram only to obtain numerical values
APPROXIMATE MEAN DECLINATION 1972
FOR CENTRE OF MAP
Annual change decreasing 3.8'

N'utiliser le diagramme que pour obtenir les valeurs numériques
DÉCLINAISON MOYENNE APPROXIMATIVE
AU CENTRE DE LA CARTE EN 1972
Variation annuelle décroissante 3.8'

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 9
QUADRILLAGE DE MILLE MÈTRES
TRANSVERSE UNIVERSEL DE MERCATOR

GRID ZONE DESIGNATION: DÉSIGNATION DE LA ZONE DU QUADRILLAGE:	100,000 M. SQUARE IDENTIFICATION: IDENTIFICATION DU CARRÉ DE 100,000 M.
9 U	XL

EXAMPLE OF METHOD USED TO GIVE A REFERENCE TO NEAREST 100 METRES
EXEMPLE DE LA MÉTHODE EMPLOYÉE POUR FIXER DES REPÈRES À 100 MÈTRES PRÈS



REFERENCE POINT / POINT DE REPÈRE	CHURCH - ÉGLISE	(as above) (ci-dessus)
EASTING: Read number on grid line immediately to left of point: LONGITUDE EST: Noter le chiffre de la ligne du quadrillage immédiatement à gauche du repère:		97
Estimate tenths of a square from this line eastward to point: Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction est:		5 / 975
NORTHING: Read number on grid line immediately below point: LATITUDE NORD: Noter le chiffre de la ligne du quadrillage immédiatement en-dessous du repère:		98
Estimate tenths of a square from this line northward to point: Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction nord:		4 / 984
GRID REFERENCE: RÉFÉRENCE AU QUADRILLAGE:		975984

Nearest similar grid reference 100,000 metres (about 62 miles)
La prochaine référence semblable est à 100,000 mètres (environ 62 milles)

BROWN NUMBERED TICKS INDICATE THE 1000 METRE U.T.M. GRID ZONE 10
LES TRAITS NUMÉROTÉS EN BRUN INDIQUENT LE QUADRILLAGE DE 1000 MÈTRES U.T.M.

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First edition map updated by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES, from aerial photographs taken 1968. Culture check 1973 Printed 1975.

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Roads:	Routes:		
hard surface, all weather	pavée, toute saison	dual highway / chaussées séparées	more than 2 lanes / plus de 2 voies
hard surface, all weather	pavée, toute saison	2 lanes / 2 voies	less than 2 lanes / moins de 2 voies
loose or stabilized surface, all weather	gravier aggloméré, toute saison	2 lanes or more / 2 voies ou plus	less than 2 lanes / moins de 2 voies
loose surface, dry weather and unclassified streets	de gravier, temps sec et rues hors classe		
cart track	de terre		
trail, cut line or portage	sentier, percée ou portage		

TOPLEY

COAST LAND DISTRICT RANGE 5
BRITISH COLUMBIA
Scale 1:50,000 Échelle

Miles 1 — 0 — 1 — 2 — 3 Milles
Metres 1000 — 0 — 1000 — 2000 — 3000 — 4000 Mètres
Yards 1000 — 0 — 1000 — 2000 — 3000 — 4000 Verges

This Provisional Map is equivalent to a standard map in accuracy of content.

Some names on this map are not yet official.
Corrections or additions are invited by the Surveys and Mapping Branch.

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

Cette carte provisoire équivaut une carte régulière au point de vue précision de l'information.

Certains noms inscrits sur cette carte ne sont pas encore officiels. La Direction des levés et de la cartographie savurait gré au public de lui signaler corrections et additions.

ÉQUIDISTANCE DES COURBES 100 PIEDS
Élévations en pieds au-dessus du niveau moyen de la mer
Système de référence géodésique nord-américain, 1927
Projection transverse de Mercator

Première édition mise à jour par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES, d'après des photographies aériennes prises en 1968. Vérification des ouvrages en 1971. Imprimée en 1975.

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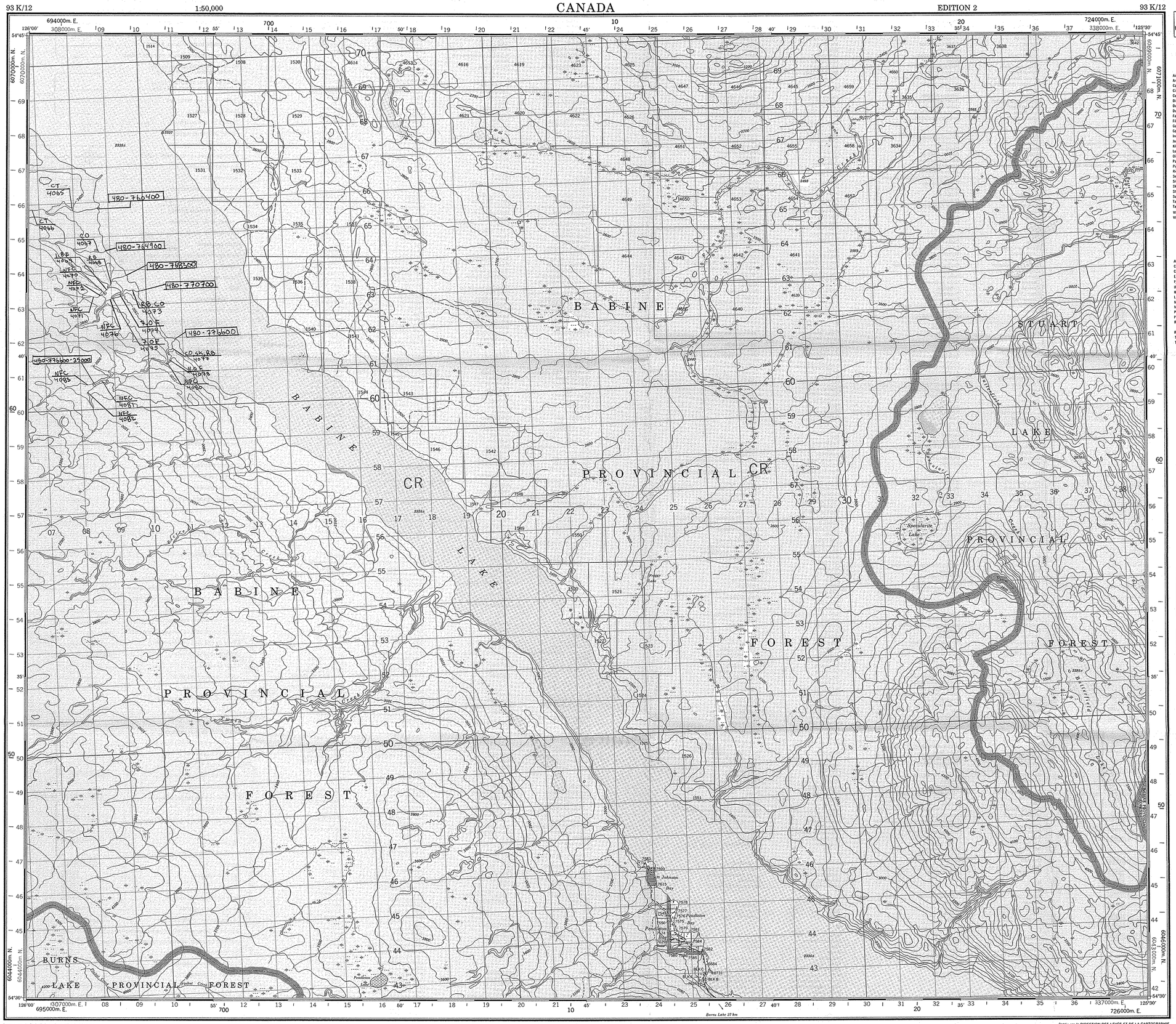
93 L/9
EDITION 2



Military users, refer to this map as: Référence de cette carte pour usage militaire:

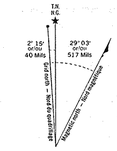
SERIES	A721	SÉRIE
MAP	93 K/12	CARTE
EDITION	2 MCE	EDITION

GLOSSARY GLOSSAIRE

Airfield	Champ d'atterrissage
Arena	Aréna
Canal	Canal
City Limits	Limites de ville
Customs	Douanes
Ditch	Fossé
Dugout	Abreuvoir
Dump	Dépotoir
Factory	Usine
Filtration Plant	Usine de filtration
Gas	Gaz
Golf Course	Terrain de golf
Irrigation Canal	Canal d'irrigation
Junk Yard	Dépôt de ferrailles
Kiln	Four
Lookout	Poste d'observation
Oil Wells	Puits de pétrole
Park	Parc
Pipeline	Pipeline
Rink	Patinoire
Senior Citizens Home	Foyer pour citoyens de l'âge d'or
Silo	Silo
Ski Area	Station de ski
Strip Bog	Moncage en enfilade
Surveyed Line	Ligne arpentée
Tailings	Tenils
Tank	Réservoir
Water	Eau
Winter Road	Chemin d'hiver

ABBREVIATIONS ABRÉVIATIONS

Aband	Abandoned	Abandonné
C	Cemetery	Cimetière
CO	County	Comté
E	Elevator	Élévateur
Fy	Ferry	Traversier
IR	Indian Reserve	Réserve indienne
H	Hospital	Hôpital
L	Lot	Lot
Micro	Microwave	Micro-ondes
Mun	Municipality	Municipalité
P	Post Office	Bureau de poste
PH	Power House	Centrale électrique
RCMP	Royal Canadian Mounted Police	Gendarmerie Royale Canadienne
Res	Reservoir	Réservoir
Transf.	Transformer	Transformateur
TFL	Tree Farm Licence	Licence de sylviculture



Use diagram only to obtain numerical values
APPROXIMATE MEAN DECLINATION 1977
FOR CENTRE OF MAP
Annual change decreasing 3.8'

N'utiliser le diagramme que pour obtenir les valeurs numériques
DÉCLINAISON MOYENNE APPROXIMATIVE
AU CENTRE DE LA CARTE EN 1977
Variation annuelle décroissante 3.8'

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 10
QUADRILLAGE DE MILLE MÈTRES
TRANSVERSE UNIVERSEL DE MERCATOR

GRID ZONE DESIGNATION: DÉSIGNATION DE LA ZONE DU QUADRILLAGE:	100,000 M. SQUARE IDENTIFICATION: IDENTIFICATION DU CARRÉ DE 100,000 M.
10 U	CR

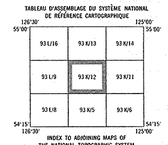
EXAMPLE OF METHOD USED TO GIVE A REFERENCE TO NEAREST 100 METRES
EXEMPLE DE LA MÉTHODE EMPLOYÉE POUR FIXER DES REPÈRES À 100 MÈTRES PRÈS

REFERENCE POINT / POINT DE REPÈRE	CHURCH - ÉGLISE	(as above) (ci-dessus)
EASTING: Read number on grid line immediately to left of point: LONGITUDE EST: Noter le chiffre de la ligne du quadrillage immédiatement à gauche du repère:		97
Estimate tenths of a square from this line eastward to point: Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction est:		5
		975
NORTHING: Read number on grid line immediately below point: LATITUDE NORD: Noter le chiffre de la ligne du quadrillage immédiatement en-dessous du repère:		98
Estimate tenths of a square from this line northward to point: Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction nord:		4
		984
GRID REFERENCE: RÉFÉRENCE AU QUADRILLAGE:		975984

Nearest similar grid reference 100,000 metres (about 63 miles)
La prochaine référence similaire est à 100 000 mètres (environ 63 milles)

BROWN NUMBERED TICKS INDICATE
THE 1000 METRE U.T.M. GRID
ZONE 9
LES TRAITS NUMÉROTÉS EN BRUN INDIQUENT
LE QUADRILLAGE DE 1000 MÈTRES U.T.M.

TABLEAU D'ASSEMBLAGE DU SYSTÈME NATIONAL DE RÉFÉRENCE CARTOGRAPHIQUE



INDEX TO ADJOINING MAPS OF THE NATIONAL TOPOGRAPHIC SYSTEM

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Roads:	Routes:	2 lanes or more / 2 voies ou plus	less than 2 lanes / moins de 2 voies
loose or stabilized surface, all weather	gravier, agglomeré, toute saison		
loose surface, dry weather	de gravier, temps sec		
unclassified streets	rues hors classe		
cart track	de terre		
trail, cut line or portage	sentier, percée ou portage		

FOR COMPLETE REFERENCE SEE REVERSE SIDE POUR UNE LISTE COMPLÈTE DES SIGNES, VOIR AU VERSO

PENDLETON BAY
COAST LAND DISTRICT RANGE 5
BRITISH COLUMBIA
Scale 1:50,000 Échelle

Miles 1 0 2 3 Milles
Metres 1000 0 1000 2000 3000 4000 Mètres
Yards 1000 0 1000 2000 3000 4000 Verges

CONVERSION SCALE FOR ELEVATIONS
Metres 30 20 10 0 50 100
Feet 100 50 0 100 200 300 400

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

ÉCHELLE DE CONVERSION DES ÉLÉVATIONS
Mètres 150 200 250 300 Mètres
Pieds 500 600 700 800 900 1000 Pieds

ÉQUIDISTANCE DES COURBES 100 PIEDS
Élévations en pieds au-dessus du niveau moyen de la mer
Système de référence géodésique nord-américain, 1927
Projection transverse de Mercator

Établie par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. Mise à jour à l'aide de photographies aériennes prises en 1974. Vérification des ouvrages en 1976. Renseignements à jour en 1976.

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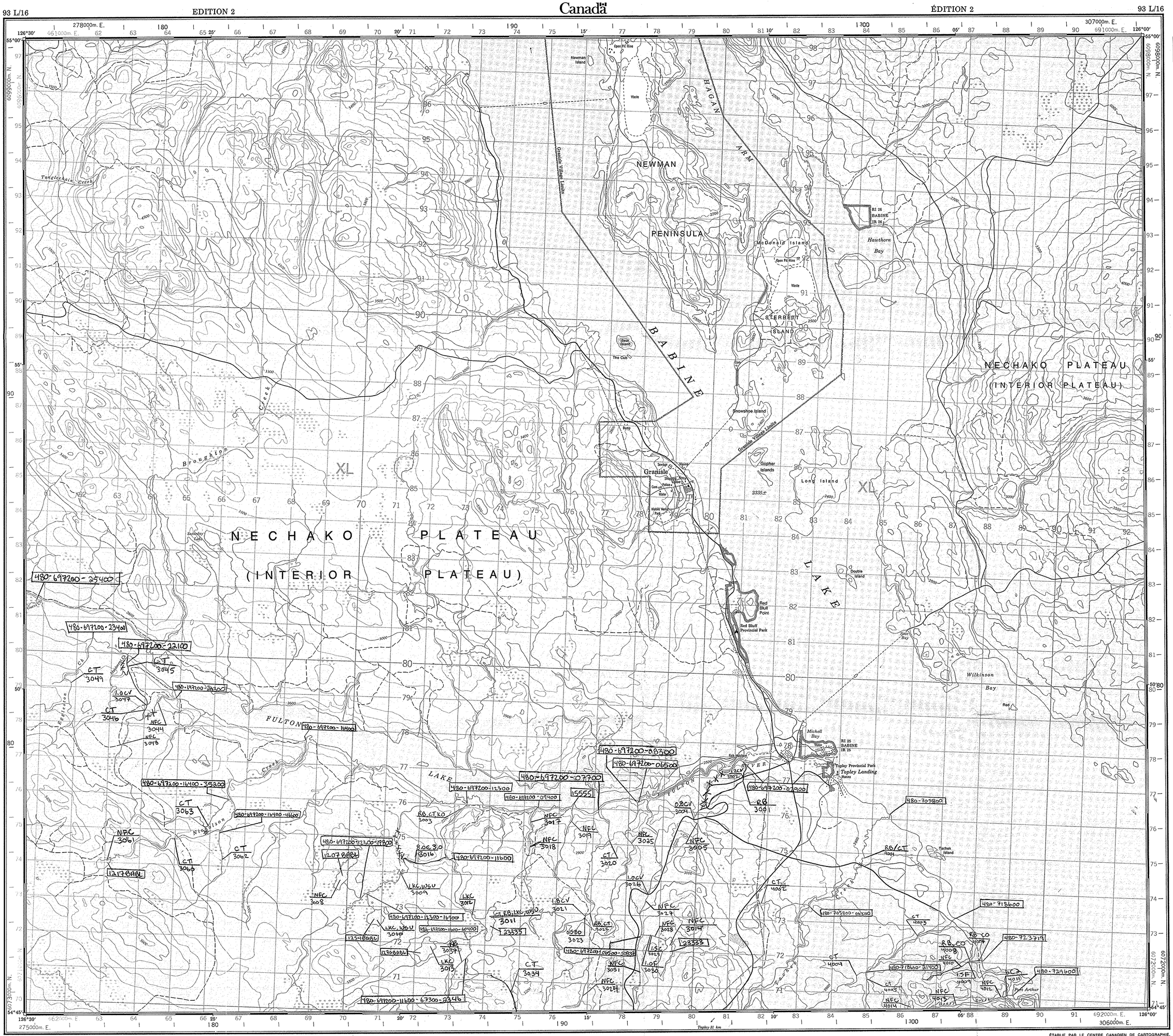
PENDLETON BAY
93 K/12
EDITION 2

FULTON LAKE
93 L/16
EDITION 2 ÉDITION

Military users, refer to this map as: / Référence de cette carte pour usage militaire:	SERIES / SÉRIE	A721
	MAP / CARTE	93 L/16
	EDITION / EDITION	2 MCE



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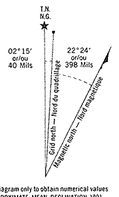
Coordinate Conversion NAD 27 to NAD 83 (WGS 84)
Mean values for this map

Geographic	Latitude -	subtract	0.4"
	Longitude -	add	6.1"
Grid:	Northing -	add	200m
	Easting -	subtract	114m

Conversion des coordonnées NAD 27 à NAD 83 (WGS 84)
Valeurs moyennes pour cette carte

Coordonnées géographiques :	Latitude -	soustraire	0.4"
	Longitude -	additionner	6.1"
Quadrillage :	Ordonnée (N) -	additionner	200m
	Abscisse (E) -	soustraire	114m



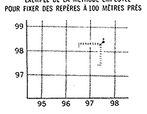
Use diagram only to obtain numerical values
APPROXIMATE MEAN DECLINATION 1991
FOR CENTRE OF MAP
Annual change decreasing 9.7'

N'utiliser le diagramme que pour obtenir les valeurs numériques
DÉCLINAISON MOYENNE APPROXIMATIVE
AU CENTRE DE LA CARTE EN 1991
Variation annuelle décroissante 9.7'

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 9
QUADRILLAGE UNIVERSEL TRANSVERSE DE MERCATOR
DE MILLE MÈTRES

GRID ZONE DESIGNATION: DÉSIGNATION DE LA ZONE DU QUADRILLAGE:	100 000 m SQUARE IDENTIFICATION IDENTIFICATION DU CARRÉ DE 100 000 m
9U	XL

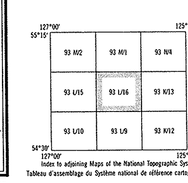
EXAMPLE OF METHOD USED
TO GIVE A REFERENCE TO NEAREST 100 METRES
EXEMPLE DE LA MÉTHODE EMPLOYÉE
POUR FIXER DES REPÈRES À 100 MÈTRES PRÈS



REFERENCE POINT / POINT DE REPÈRE	CHURCH - ÉGLISE	(as above) (ci-dessus)
EASTING: Read number on grid line immediately to left of point: ABSCISSE: Noter le chiffre de la ligne du quadrillage immédiatement à gauche du repère:	97	
Estimate tenths of a square from this line eastward to point: Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction est:		5
		975
NORTHING: Read number on grid line immediately below point: ORDONNÉE: Noter le chiffre de la ligne du quadrillage immédiatement en dessous du repère:	98	
Estimate tenths of a square from this line northward to point: Estimer le nombre de dixièmes de carré entre cette ligne et le repère en direction nord:		4
GRID REFERENCE:		984
RÉFÉRENCE AU QUADRILLAGE:		975984

Nearest similar grid reference 100 000 metres
La référence similaire la plus près est à 100 000 mètres

BROWN NUMBERED TICKS INDICATE
THE 1000 METRE U.T.M. GRID
ZONE 10
LES AMORCES BRUNES NUMEROTÉES REPRÉSENTENT
LE QUADRILLAGE U.T.M. DE 1000 MÈTRES



Index to adjoining Maps of the National Topographic System
Tableau d'assemblage du Système national de référence cartographique

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Roads:	Routes:	dual highway / chaussée double	more than 2 lanes / plus de 2 voies
hard surface	revêtement dur		less than 2 lanes / moins de 2 voies
hard surface	revêtement dur	2 lanes or more / 2 voies ou plus	
loose or stabilized surface, all weather	gravier, aggloméré, toute saison		2 lanes or more / 2 voies ou plus
loose surface, dry weather	de gravier, temps sec		
unclassified road or street	route non classée ou rue		
cart track	de terre		
trail, cut line or portage	sentier, percée ou portage		

FOR COMPLETE REFERENCE SEE REVERSE SIDE — POUR UNE LISTE COMPLÈTE DES SIGNES, VOIR AU VERSO

FULTON LAKE
COAST LAND DISTRICT RANGE 5
REGIONAL DISTRICT OF BULKLEY-NECHAKO:
BRITISH COLUMBIA COLOMBIE-BRITANNIQUE

Scale 1:50 000 Échelle

Miles 1 0 1 2 3 Milles
Metres 1000 0 1000 2000 3000 4000 Mètres

Information concerning bench marks and horizontal survey monuments can be obtained from Geodetic Survey, Canada Center for Surveying, Ottawa.

Pour tout renseignement concernant les repères de nivellement et les bornes géodésiques, prière de s'adresser à la Division des levés géodésiques, Centre canadien des levés, Ottawa.

CONVERSION SCALE FOR ELEVATIONS
Metres 30 20 10 0 50 100
Feet 100 50 0 100 200 300 400 500 600 700 800 900 1000 Pieds

ÉCHELLE DE CONVERSION DES ALTITUDES
150 200 250 300 Mètres

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

ÉQUIDISTANCE DES COURBES 100 PIEDS
Altitudes en pieds
Système de référence géodésique nord-américain,1927
Projection transverse de Mercator

ÉTABLIE PAR LE CENTRE CANADIEN DE CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. RENSEIGNEMENTS À JOUR EN 1989. PUBLIÉE EN 1992.

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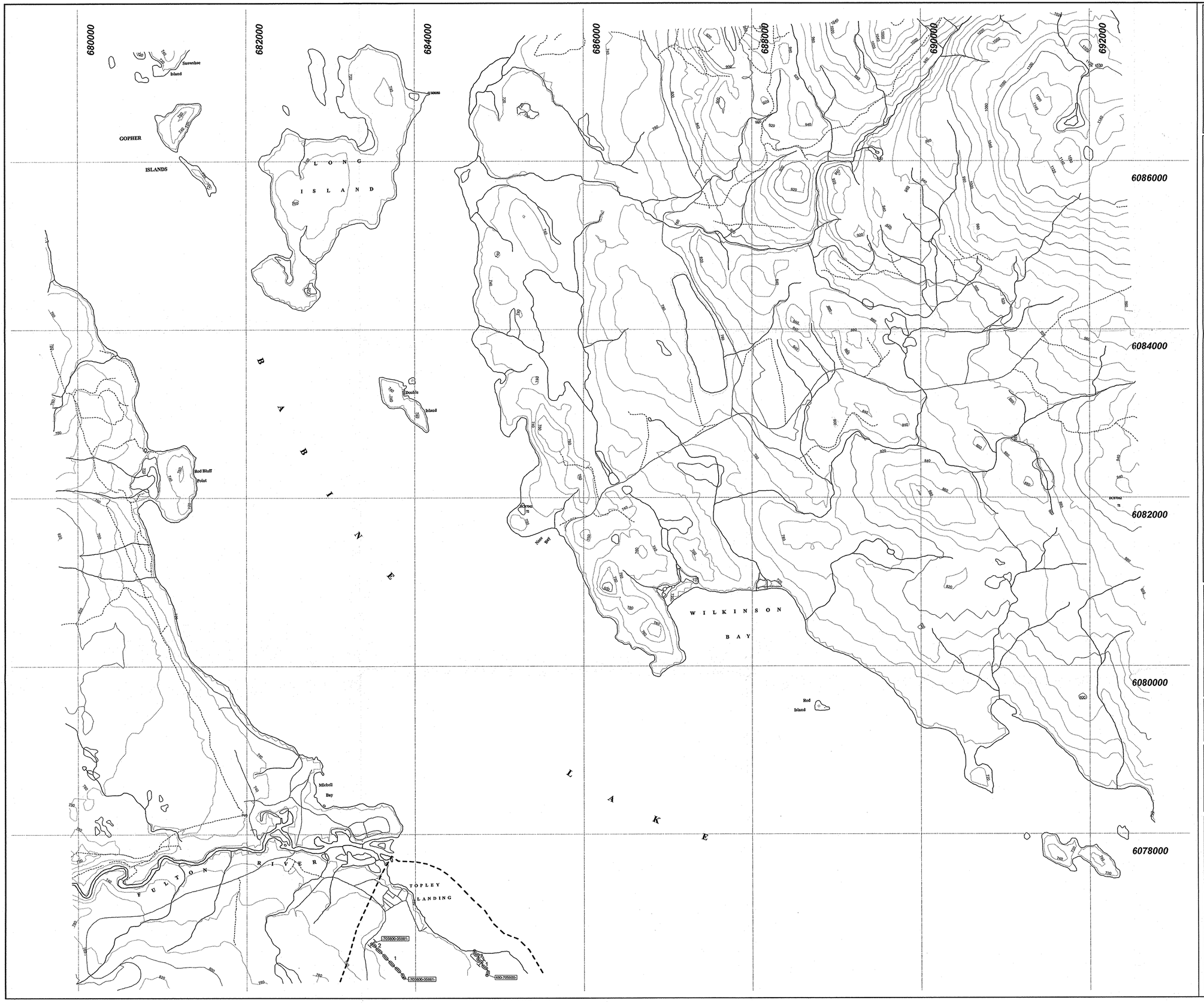
FULTON LAKE
93 L/16
EDITION 2 ÉDITION

Energy, Mines and Resources Canada — Énergie, Mines et Ressources Canada



Reconnaissance (1:20,000 Scale) Fish and Fish Habitat Inventory of Unnamed Tributaries to the Southwest Shore of Babine Lake, South of Topley Landing (South Fulton Planning Area) WSC 480-705800 to 780-776600

FISHERIES : INTERPRETIVE/PROJECT MAP

CANADIAN FOREST PRODUCTS LTD.
MORICE FOREST DISTRICT
2002

MAPSHEET# 093L.090 Map 1 of 7

1000 0 1000 2000 Meters

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

Date: 2002/02/20 (yyyy/mm/dd)

Company: SJ of

TRITON ENVIRONMENTAL CONSULTANTS LTD.

N W E S

STREAM INFORMATION SUMMARY

12345 Interim Locational Point (ILP)

023-123456-12345 Watershed Code

Reach Summary Symbol
Fish Code(s)

*Reach Gradient

CO DV RB
2 - 12 - R Pg - C3-C4-C5 S2* Inferred

Channel Properties: Gradient | Channel Width | Substrate | Channel Morphology | Dominant Substrate | Disturbance Regime | Stream Classification

Sample Site ID

Sample Site

023-123456 12345678 — Watershed Code / Waterbody Identifier

Lake Summary Symbol

Lake (L) or Wetland (W) - Surface Area - Maximum Depth - pH - Conductivity - TDS - Littoral Area

L - 176 - 8.0 - 6.8 - 20 - 20 - 16

CSU NFC NSC PCC RSC RB WSU
Fish Code(s)

Stream Reach Boundary

Height (in meters) Depth (in meters)

Obstructions

Beaver Dam; Falls; Persistent Debris Accumulation; Cascade; Culvert; Dam

Features

Eroded Bank; Bridge; Rapids; Alluvial Fan; General Crossing; 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 Present (Confirmed); Fish Not Present (Confirmed); No Visible Channel; Fish Present (Inferred); Fish Not Present (Inferred)

TRIM Base Map Anomalies

Field-Identified Stream; Base Map Discontinuity

Base Map Features

River / Stream; Glacier; Paved surface; 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: MIT/P

Present CODE	DESCRIPTION
EFU	End of Fish Use
NFC	No Fish Caught
NS	Not Sampled
NFU	No Fish Use
CO	Coho
CT	Cutthroat Trout
LKC	Lake Chub
RB	Rainbow Trout
SK	Sockeye

Historical CODE	DESCRIPTION
NFC	No Fish Caught
NS	Not Sampled
CAS	Prickly Sculpin
CC	Coitus
CO	Coho Salmon
KO	Kokanee
MW	Mountain Whitefish
RB	Rainbow Trout

Historical CODE	DESCRIPTION
SK	Sockeye

Historical	
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
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

HISTORICAL REFERENCE IDENTIFICATION

FISS-British Columbia Ministry of Environment, Lands and Parks, and Department of Fisheries and Oceans, 1995.
Fisheries Information Summary System
(FISS) Data Compilation and Mapping Procedures.

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
S2 Medium Rivers	>20	50	50	70
S3	>5 - 20	30	20	50
S4	1.5 - <5	20	20	40
S5	<1.5	0	30	30
S5	>3	0	30	30
S6	<3	0	20	20

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
NA	Not Applicable
OTH	Other

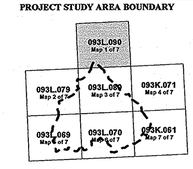
CODE	DESCRIPTION
LK SYM : Lake Symbol	
INV	Field Inventory
SS	Summary
NA	Not Applicable
OTH	Other
LOC : Location Information	
FDE	Field Estimate
FDG	Field, GPS
APE	Airphoto, Estimate

CODE	DESCRIPTION
APP	Airphoto, Photometric
VOM	Video, Approximate
VPC	Video, Corrected
OTH	Other
HAB : Habitat Information	
INV	Field Inventory
SS	Summary
NA	Not Applicable
OTH	Other

CODE	DESCRIPTION
AP	Aerial Photography
VID	Video
FISH : Fish Information	
INVD	Detailed Field Inventory
INVG	General Field Inventory
SS	Summary
NA	Not Applicable
OTH	Other
DATE INV : Date of Inventory	

CODE	DESCRIPTION
INVNOW : Complemented map 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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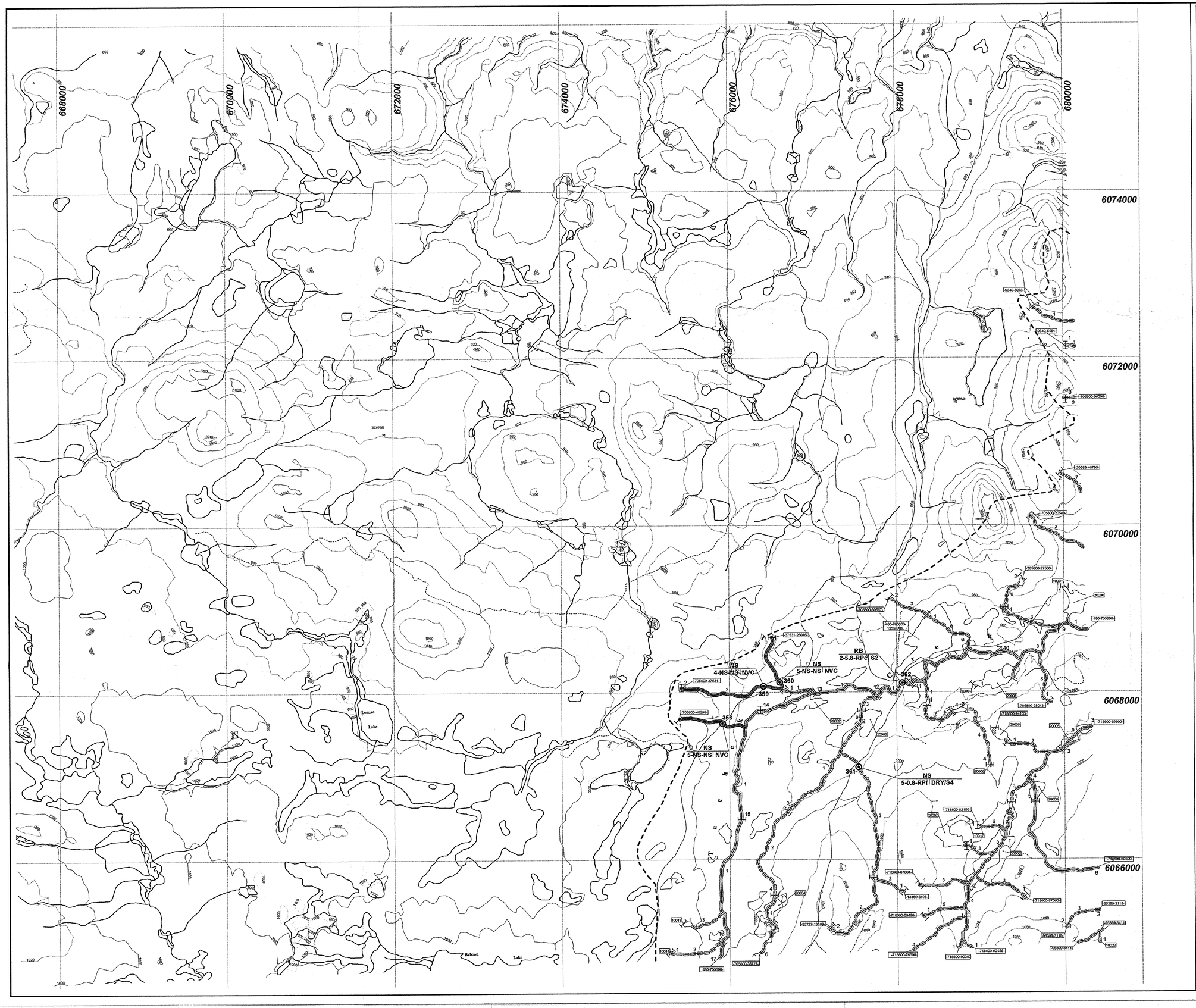


Reconnaissance (1:20,000 Scale) Fish and Fish Habitat Inventory of Unnamed Tributaries to the Southwest Shore of Babine Lake, South of Topley Landing (South Fulton Planning Area)

WSC 480-705800 to 780-776600

FISHERIES : INTERPRETIVE/PROJECT MAP

CANADIAN FOREST PRODUCTS LTD.
MORICE FOREST DISTRICT
2002

MAPSHEET# 093L.079 Map 2 of 7

1000 0 1000 2000 Meters

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

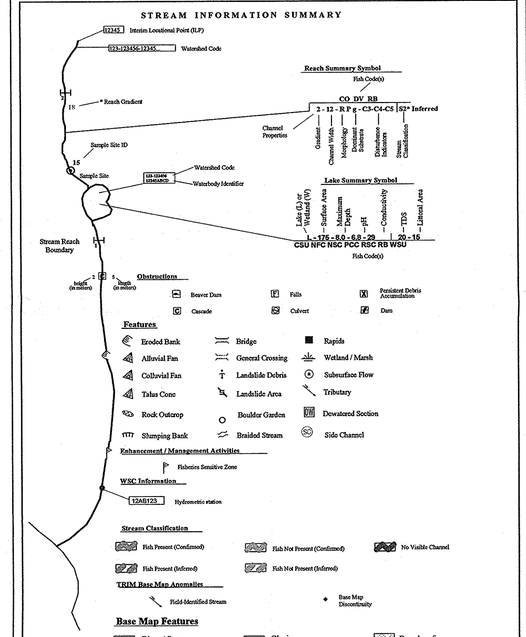
Date: 2002/02/20 (yyyy/mm/dd)

Company: SI of

TRITON ENVIRONMENTAL CONSULTANTS LTD.

N W E S

STREAM INFORMATION SUMMARY



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

FISH SPECIES

Source: MSLP

Present CODE	DESCRIPTION
EFU	End of Fish Use
NFC	No Fish Caught
NS	Not Sampled
NFU	No Fish Use
CO	Coho
CT	Cutthroat Trout
LKC	Lake Chub
RB	Rainbow Trout
SK	Sockeye

Historical CODE	DESCRIPTION
NFC	No Fish Caught
NS	Not Sampled
CAS	Priddy Sculpin
CC	Cutus
CO	Coho Salmon
KO	Kokanee
MW	Mountain Whitefish
RB	Rainbow Trout

Historical CODE	DESCRIPTION
SK	Sockeye

Historical	
Y	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
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

HISTORICAL REFERENCE IDENTIFICATION

FISS-British Columbia Ministry of Environment, Lands and Parks, and Department of Fisheries and Oceans, 1995.
Fisheries Information Summary System
(FISS): Data Compilation and Mapping Procedures.

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	≥100	0	100	100
S2	>20	50	20	70
S3	>5 ≤20	30	20	50
S4	1.5 <5	20	20	40
S5	<1.5	0	30	30
S6	>3	0	30	30
	<3	0	20	20

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
NA	Not Applicable
OTH	Other

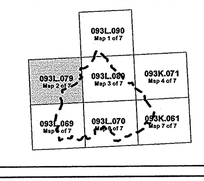
CODE	DESCRIPTION
LK.SYM : Lake Symbol	
INV	Field Inventory
SS	Summary
NA	Not Applicable
OTH	Other
LOC : Location Information	
FDE	Field Estimate
EDG	Field GPS
APE	Airphoto, Estimate

CODE	DESCRIPTION
APP	Airphoto, Planimetric
VEM	Video, Approximate
VPC	Video, Corrected
OTH	Other
HAB : Habitat Information	
INV	Field Inventory
SS	Summary
NA	Not Applicable
OTH	Other

CODE	DESCRIPTION
AP	Aerial Photography
VID	Video
FISH : Fish Information	
INVD	Detailed Field Inventory
INVG	General Field Inventory
SS	Summary
NA	Not Applicable
OTH	Other
DATE INV : Date of Inventory	

CODE	DESCRIPTION
INVMGNT : Group/person resp. for conducting inventory	
MSLP	Ministry of Environment, Lands & Parks
MOF	Ministry of Forests
GSC	Geological Survey of Canada
OTH	Other

PROJECT STUDY AREA BOUNDARY



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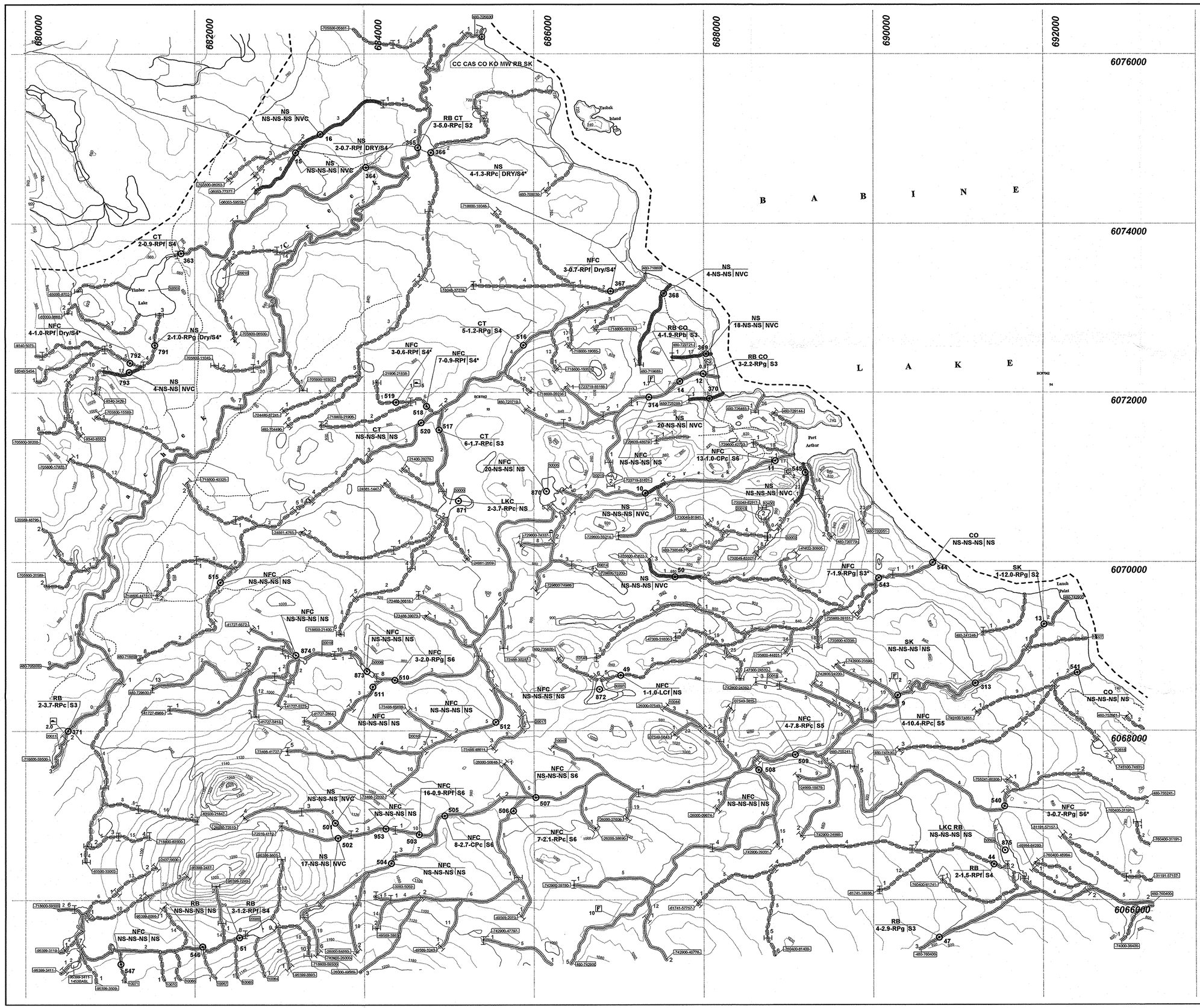

Reconnaissance (1:20,000 Scale) Fish and Fish Habitat Inventory of Unnamed Tributaries to the Southwest Shore of Babine Lake, South of Topley Landing (South Fulton Planning Area) WSC 480-705800 to 780-776600

FISHERIES : INTERPRETIVE/PROJECT MAP

CANADIAN FOREST PRODUCTS LTD.
MORICE FOREST DISTRICT
2002

MAPSHEET# 093L.080 Map 3 of 7

1000 0 1000 2000 Meters

Scale 1:20,000
Contour Interval (10m) Projection UTM

Date: 2002/02/20 (yyyy/mm/dd)

Company: SI of

TRITON ENVIRONMENTAL CONSULTANTS LTD.

STREAM INFORMATION SUMMARY

12345 Interim Locational Point (ILP)

023-12345K-12345 Watershed Code

* Reach Gradient

Sample Site ID

Sample Site

Stream Reach Boundary

Reach Summary Symbol
Fish Code(s)

CO DV RB
2 - 12 - R P g - C3-C4-C5 S3* Inferred

Channel Properties: Gradient — Channel Width — Morphology Substrate — Disturbance Regime — Stream Classification

023-12345 12345K023 — Waterbody Identifier

Lake Summary Symbol

Lake (L) or Wetland (W) — Surface Area — Minimum Depth — pH — Conductivity — TDS — Littoral Area

L - 175 - 8.0 - 6.8 - 29 — 20 - 16

CSU NFC NSC PCO RSC RB WSU

Fish Code(s)

Obstructions

Beaver Dam — Falls — Persistent Debris Accumulation
Cascade — Culvert — Dam

Features

Eroded Bank — Bridge — Rapids
Alluvial Fan — General Crossing — 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 Present (Confirmed) — Fish Not Present (Confirmed) — No Visible Channel
Fish Present (Inferred) — Fish Not Present (Inferred)

TRIM Base Map Anomalies

Field-Identified Stream — Base Map Discontinuity

Base Map Features

River / Stream — Glacier — Paved surface
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
CO	Coho
CT	Cutthroat Trout
LKC	Lake Chub
RB	Rainbow Trout
SK	Sockeye

Historical CODE	DESCRIPTION
NFC	No Fish Caught
NS	Not Sampled
CAS	Paddy Sculpin
CC	Coho
CO	Coho Salmon
KO	Kokanee
MW	Mountain Whitefish
RB	Rainbow Trout

Historical CODE	DESCRIPTION
SK	Sockeye

Historical	
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
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

HISTORICAL REFERENCE IDENTIFICATION

FISS-British Columbia Ministry of Environment, Lands and Parks, and Department of Fisheries and Oceans Canada
Fisheries Information Summary System
(FISS); Data Compilation and Mapping Procedures.

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
S2	Medium Rivers	> 20	50	20	70
S3		>1.5 <20	30	20	50
S4		1.5 <1	20	20	40
S5		<1.5	0	30	30
S5		>3	0	30	30
S6		<3	0	30	30

INVENTORY SOURCE INFORMATION CODES

CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION
BASE	Base Map	LK SYM	Lake Symbol	APP	Airphoto, Photometric	AP	Aerial Photography		DIVISION? - Group/Division resp. for conducting inventory
TRIM	1:20,000 TRIM Maps	INV	Field Inventory	VEM	Video, Approximate	VID	Video		
NTS	1:50,000 NTS Maps	SS	Summary	VPC	Video, Corrected	FISS	Fish Information	MELP	Ministry of Environment, Lands & Parks
OTH	Other Map Source	N/A	Not Applicable	OTH	Other	DVFD	Detailed Field Inventory		
STR SYM	Stream Symbol	OTH	Other	HAB	Habitat Information	DVFO	General Field Inventory	MOF	Ministry of Forests
INV	Field Inventory	LOC	Location Information	INV	Field Inventory	SS	Summary	GSC	Geological Survey of Canada
SS	Summary	FDE	Field Estimate	SS	Summary	N/A	Not Applicable		
N/A	Not Applicable	EGO	Field GPS	N/A	Not Applicable	OTH	Other	OTH	Other
OTH	Other	APE	Airphoto, Estimate	OTH	Other	DATE INV	Date of Inventory		

PROJECT STUDY AREA BOUNDARY

093L.090 Map 1 of 7
093L.079 Map 2 of 7
093L.080 Map 3 of 7
093L.071 Map 4 of 7
093L.069 Map 6 of 7
093L.070 Map 5 of 7
093K.061 Map 7 of 7

"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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Reconnaissance (1:20,000 Scale) Fish and Fish Habitat Inventory of Unnamed Tributaries to the Southwest Shore of Babine Lake, South of Topley Landing (South Fulton Planning Area)

WSC 480-705800 to 780-776600

FISHERIES : INTERPRETIVE/PROJECT MAP

CANADIAN FOREST PRODUCTS LTD.
MORICE FOREST DISTRICT
2002

MAPSHEET# 093K.071 Map 4 of 7

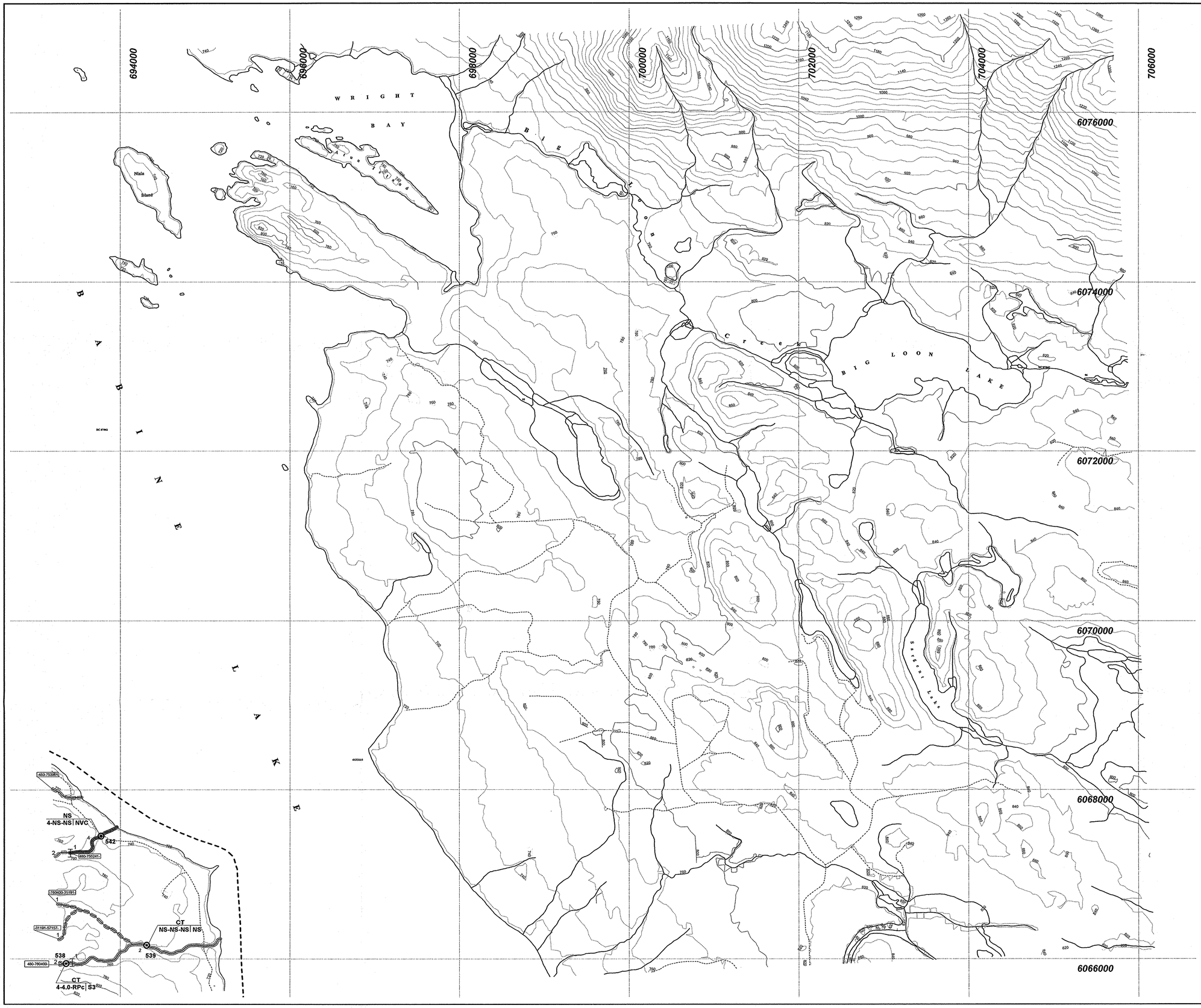
1000 0 1000 2000 Meters

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

Date: 2002/02/20 (yyyy/mm/dd)

Company: SI of

TRITON ENVIRONMENTAL CONSULTANTS LTD.



STREAM INFORMATION SUMMARY

12345 Intrim Locational Point (ILP)

072-123456-12345 Watershed Code

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 Regime | Stream Classification

* 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 - 176 - 8.0 - 6.8 - 29 | 20 - 16

CSU NFC NSC PCC RSC RB WSU

Fish Code(s)

Stream Reach Boundary

Obstructions

Beaver Dam, Falls, Persistent Debris Accumulation, Cascade, Culvert, Dam

Features

Eroded Bank, Bridge, Rapids, Alluvial Fan, General Crossing, 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 Present (Confirmed), Fish Not Present (Confirmed), No Visible Channel, Fish Present (Inferred), Fish Not Present (Inferred)

TRIM Base Map Anomalies

Field-Identified Stream, Base Map Discontinuity

Base Map Features

River / Stream, Glacier, Paved surface, 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: MSLP

Present CODE	Present DESCRIPTION	Historical CODE	Historical DESCRIPTION	Historical CODE	Historical DESCRIPTION	Historical	
EFU	End of Fish Use	NFC	No Fish Caught	SK	Sockeye	X	End of Fish Use
NFC	No Fish Caught	NS	Not Sampled			Y	Fish Presence - Salmon
NS	Not Sampled	CAS	Prickly Sculpin			Y	Fish Presence - Sport
NFU	No Fish Use	CC	Coma			Y	Fish Presence - Regionally Significant
CO	Coho	CO	Coho Salmon			Y	Fish Presence - Other
CT	Cutthroat Trout	KO	Kokanee			Y	Fish Observation - Salmon
LKC	Lake Chub	MW	Mountain Whitefish			Y	Fish Observation - Sport
RB	Rainbow Trout	RB	Rainbow Trout			Y	Fish Obs. - Regionally Significant
SK	Sockeye					Y	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

HISTORICAL REFERENCE IDENTIFICATION

FIDS-British Columbia Ministry of Environment, Lands and Parks, and Department of Fisheries and Oceans, 1995.
Fisheries Information Summary System (FISS): Data Compilation and Mapping Procedures.

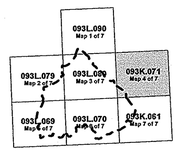
FOREST PRACTICES CODE RIPARIAN CLASSES (STREAM CLASSIFICATION)

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
S2 Large Lakes/Rivers	> 20	10	20	70
S3	>5 <20	30	20	50
S3	1.5 <5	30	20	40
S4	<1.5	0	30	30
S5	>3	0	30	30
S6	<3	0	20	20

INVENTORY SOURCE INFORMATION CODES

CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION
BASE: Base Map		LK SYM: Lake Symbol		APP	Airphoto, Photometric	AP	Aerial Photography	INVMGNT: Organization resp. for conducting inventory	
TRIM	1:20,000 TRIM Maps	INV	Field Inventory	VIDH	Video, Approximate	VID	Video		
NTS	1:50,000 NTS Maps	SS	Summary	VIDC	Video, Corrected	FISH: Fish Information		MSLP	Ministry of Environment, Lands & Parks
OTH	Other Map Source	N/A	Not Applicable	OTH	Other	INVD	Detailed Field Inventory		
STR SYM: Stream Symbol		OTH	Other	HAB: Habitat Information		INVO	General Field Inventory	MOF	Ministry of Forests
INV	Field Inventory	LOC: Location Information		INV	Field Inventory	SS	Summary	GSC	Geological Survey of Canada
SS	Summary	FDE	Field Estimate	SS	Summary	N/A	Not Applicable		
N/A	Not Applicable	FDG	Field, GPS	N/A	Not Applicable	OTH	Other	OTH	Other
OTH	Other	APE	Airphoto, Estimate	OTH	Other	DATE INV: Date of Inventory			

PROJECT STUDY AREA BOUNDARY



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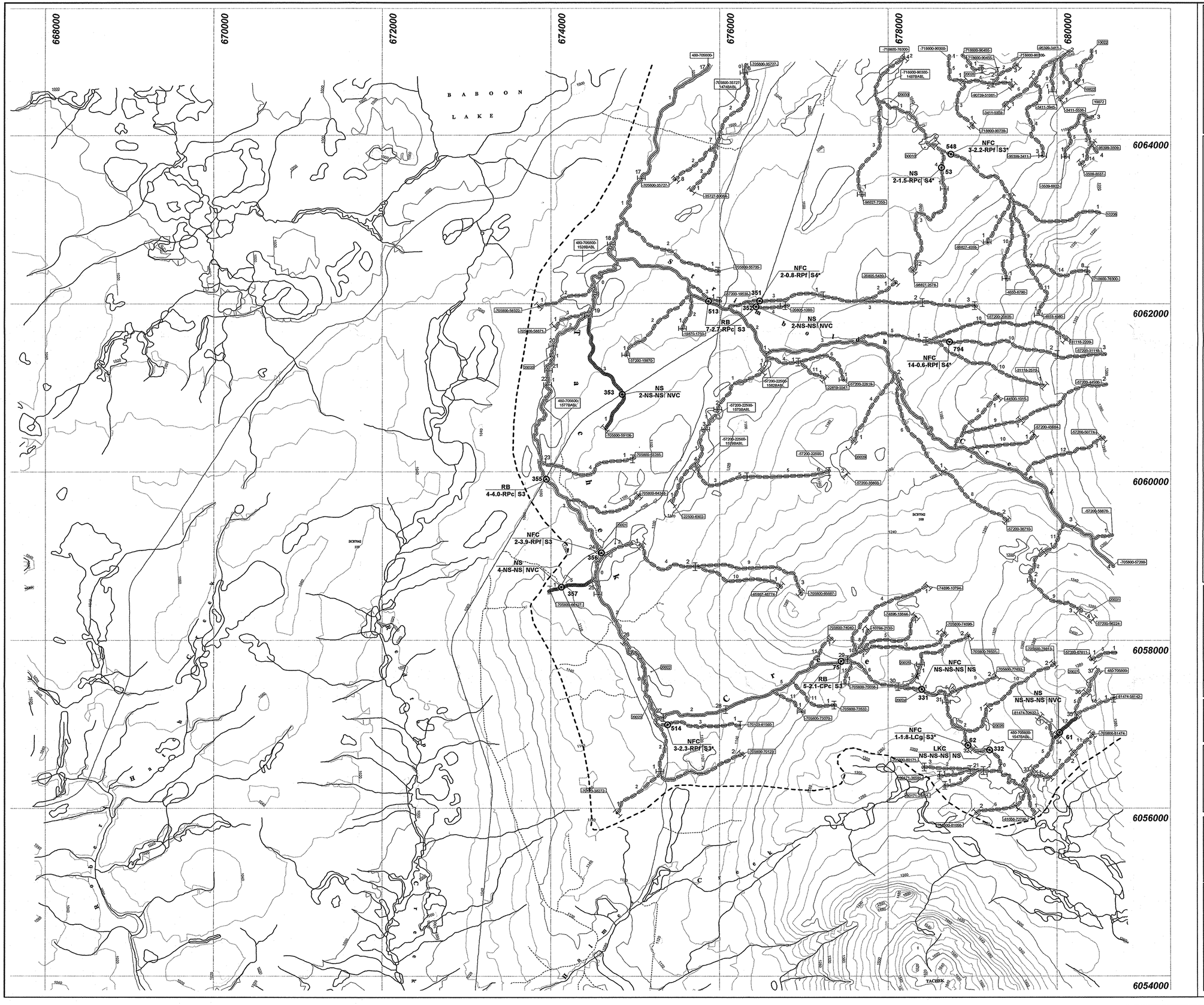

Reconnaissance (1:20,000 Scale) Fish and Fish Habitat Inventory of Unnamed Tributaries to the Southwest Shore of Babine Lake, South of Topley Landing (South Fulton Planning Area) WSC 480-705800 to 780-776600

FISHERIES : INTERPRETIVE/PROJECT MAP

CANADIAN FOREST PRODUCTS LTD.
MORICE FOREST DISTRICT
2002

MAPSHEET# 093L.069 Map 5 of 7

1000 0 1000 2000 Meters

Scale 1:20,000
Contour Interval (0m) Projection UTM

Date: 2002/02/20 (yyyy/mm/dd)

Company: SI of

TRITON ENVIRONMENTAL CONSULTANTS LTD.

STREAM INFORMATION SUMMARY

12345 Interim Locational Point (ILP)

123-123456-12345 Watershed Code

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

* 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 - 176 - 8.0 - 6.8 - 25 - 20 - 16
CSU NFC NSC PCC RSC RB WSU
Fish Code(s)

Stream Reach Boundary

Index (km mile) — Depth (m metre)

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

Features
Eroded Bank — Bridge — Rapids
Alluvial Fan — General Crossing — 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 Present (Confirmed) — Fish Not Present (Confirmed) — No Visible Channel
Fish Present (Inferred) — Fish Not Present (Inferred)

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

Base Map Features
River / Stream — Glacier — Paved surface
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: MSLP

Present CODE	DESCRIPTION
EFU	End of Fish Use
NFC	No Fish Caught
NS	Not Sampled
NFU	No Fish Use
CO	Coho
CT	Cutthroat Trout
LKC	Lake Chub
RB	Rainbow Trout
SK	Sockeye

Historical CODE	DESCRIPTION
NFC	No Fish Caught
NS	Not Sampled
CAS	Prickly Sculpin
CC	Cottus
CO	Coho Salmon
KO	Kokanee
MW	Mountain Whitefish
RB	Rainbow Trout

Historical CODE	DESCRIPTION
SK	Sockeye

Historical	
Y	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
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

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S2 Large Rivers	> 20	50	20	70
S3	> 5 <20	30	20	50
S4	1.5 <5	20	20	40
S5	< 1.5	0	30	30
S6	>3	0	30	30
	<3	0	30	30

INVENTORY SOURCE INFORMATION CODES

CODE	DESCRIPTION
BASE : Base Map	
TRM	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
FIO	Field, GPS
APE	Airphoto, Estimate

CODE	DESCRIPTION
APP	Airphoto, Photometric
VIN	Video, Approximate
VPC	Video, Corrected
OTH	Other
HAB : Habitat Information	
INV	Field Inventory
SS	Summary
N/A	Not Applicable
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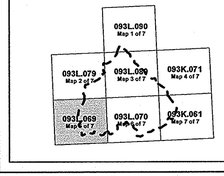
CODE	DESCRIPTION
AP	Aerial Photography
VID	Video
FISH : Fish Information	
INVD	Detailed Field Inventory
INVG	General Field Inventory
SS	Summary
N/A	Not Applicable
OTH	Other
DATE INV : Date of Inventory	

CODE	DESCRIPTION
	INVMGNT : Group present resp. for conducting inventory
MSLP	Ministry of Environment, Lands & Parks
MOF	Ministry of Forests
GSC	Geological Survey of Canada
OTH	Other

PROJECT STUDY AREA BOUNDARY



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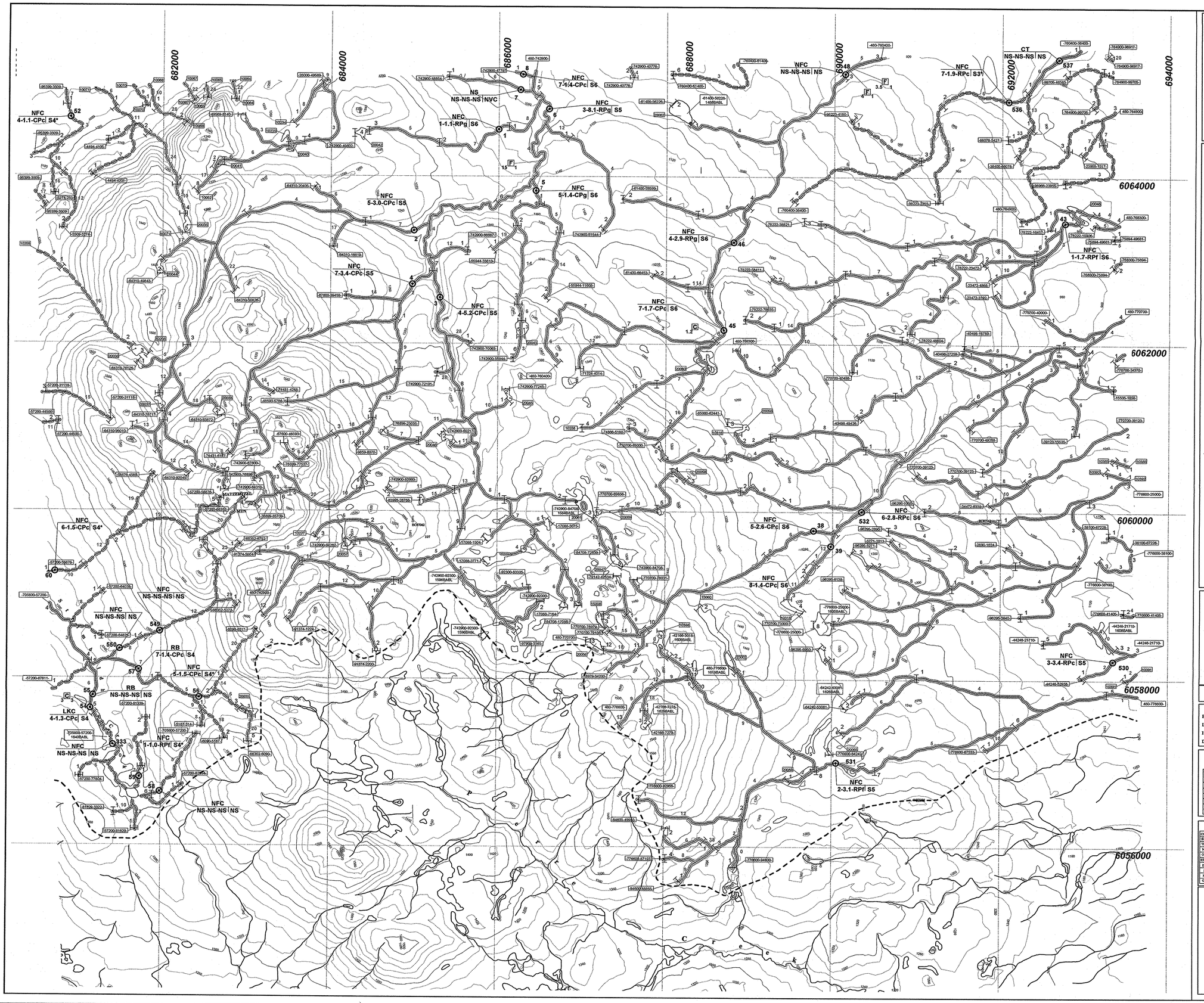


Reconnaissance (1:20,000 Scale) Fish and Fish Habitat Inventory of Unnamed Tributaries to the Southwest Shore of Babine Lake, South of Topley Landing (South Fulton Planning Area) WSC 480-705800 to 780-776600

FISHERIES : INTERPRETIVE/PROJECT MAP
CANADIAN FOREST PRODUCTS LTD.
MORICE FOREST DISTRICT
2002

MAPSHEET# 093L.070 Map 6 of 7

1000 0 1000 2000 Meters
Scale 1:20,000
Contour Interval (20m) Projection UTM

Date: 2002/02/20 (yyyy/mm/dd)

Company: SJ of TRITON ENVIRONMENTAL CONSULTANTS LTD.

STREAM INFORMATION SUMMARY

12345 Interim Locational Point (ILP)
123-123456-12345 Watershed Code
* Reach Gradient
Sample Site ID
Sample Site
Watershed Code
Waterbody Identifier
Stream Reach Boundary

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 Indicators, Stream Stabilization

Lake Summary Symbol
Lake ILP or Wetland (W) — Surface Area — Maximum Depth — pH — Conductivity — TDS — Littoral Area
1 - 176 - 8.0 - 6.8 - 29 - 20 - 16
CSU NFC NSC PCC RSC RB WSU
Fish Code(s)

Obstructions
Height (to nearest 0.5 metre) — Depth (to nearest 0.5 metre)
Beaver Dam; Falls; Persistent Debris Accumulation; Cascade; Culvert; Dam

Features
Eroded Bank; Alluvial Fan; Colluvial Fan; Talus Cone; Rock Outcrop; Slumping Bank; Bridge; General Crossing; 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 Present (Confirmed); Fish Present (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; Island; Index Contour; Index Contour - indefinite; Paved surface; Road - Loose surface; Road - Rough surface; Railway; Transmission Line; Project Boundary

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

FISH SPECIES

Source: MBIP

Present CODE	DESCRIPTION
BFU	End of Fish Use
NFC	No Fish Caught
NS	Not Sampled
NFU	No Fish Use
CO	Coho
CT	Cutthroat Trout
LKC	Lake Chub
RB	Rainbow Trout
SK	Sockeye

Historical CODE	DESCRIPTION
NFC	No Fish Caught
NS	Not Sampled
CAS	Prickly Sculpin
CC	Cutthroat
CO	Coho Salmon
KO	Kokanee
MW	Mountain Whitefish
RB	Rainbow Trout

Historical CODE	DESCRIPTION
SK	Sockeye

Historical	
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
X	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

HISTORICAL REFERENCE IDENTIFICATION

FISS-British Columbia Ministry of Environment, Lands and Parks, and Department of Fisheries and Oceans, 1995.
Fisheries Information Summary System
(FISS): Data Compilation and Mapping Procedures.

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
S2 Medium Large Rivers	>20	50	70	70
S3	>5 <20	30	50	50
S4	1.5 <5	20	30	40
S5	<1.5	0	30	30
S6	>3	0	30	30
	<3	0	30	30

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
NA	Not Applicable
OTH	Other

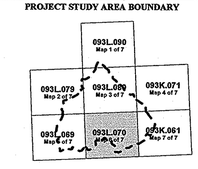
CODE	DESCRIPTION
LK SYM - Lake Symbol	
INV	Field Inventory
SS	Summary
NA	Not Applicable
OTH	Other
LOC - Location Information	
FDE	Field Estimate
FDG	Field, GPS
APE	Airphoto, Estimate

CODE	DESCRIPTION
APP	Airphoto, Planimetric
VEH	Video, Approximate
VPC	Video, Corrected
OTH	Other
HAB - Habitat Information	
INV	Field Inventory
SS	Summary
NA	Not Applicable
OTH	Other

CODE	DESCRIPTION
AP	Aerial Photography
VID	Video
FISH - Fish Information	
INVD	Detailed Field Inventory
INVO	General Field Inventory
SS	Summary
NA	Not Applicable
OTH	Other
DATE INV - Date of Inventory	

CODE	DESCRIPTION
INVMGNT - Organization 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



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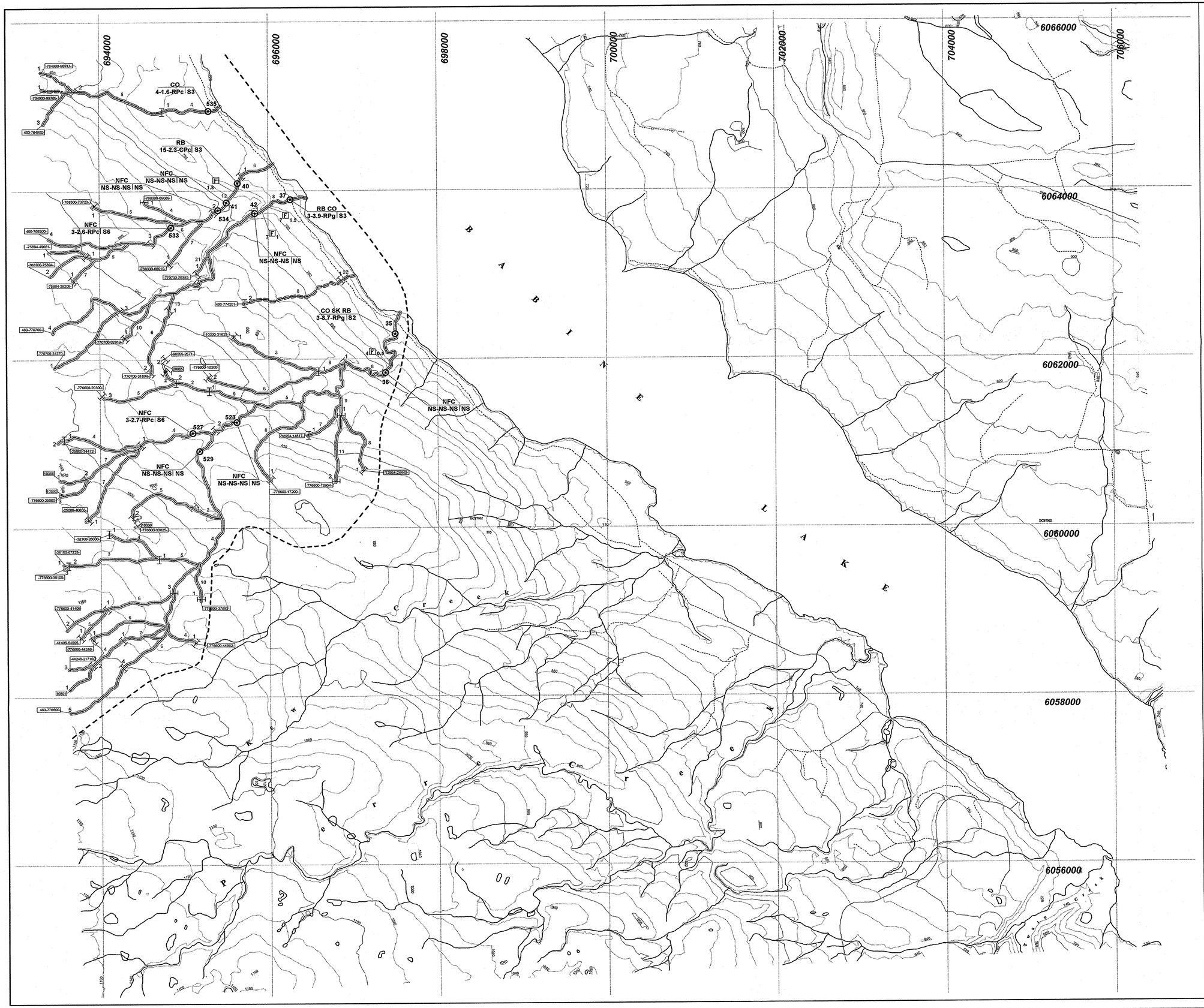

Reconnaissance (1:20,000 Scale) Fish and Fish Habitat Inventory of Unnamed Tributaries to the Southwest Shore of Babine Lake, South of Topley Landing (South Fulton Planning Area) WSC 480-705800 to 780-776600

FISHERIES : INTERPRETIVE/PROJECT MAP

CANADIAN FOREST PRODUCTS LTD.
MORICE FOREST DISTRICT
2002

MAPSHEET# 093K.061 Map 7 of 7

1000 0 1000 2000 Meters

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

Date: 2002/02/20 (yyyy/mm/dd)

Company: SI of

TRITON ENVIRONMENTAL CONSULTANTS LTD.

STREAM INFORMATION SUMMARY

12345 Interim Locational Point (ILP)
123-123456-12345 Watershed Code
* Reach Gradient
Sample Site ID
Sample Site
Stream Reach Boundary
Watershed Code
Waterbody Identifier

Reach Summary Symbol
Fish Code(s)
CO DV RB
2 - 12 - R P g - C3-C4-CS S2* Inferred
Channel Properties: Gradient – Channel Width – Morphology – Dominant Substrate – Distributions – Stream Classification

Lake Summary Symbol
Lake (L) or Wetland (W) – Surface Area – Maximum Depth – pH – Conductivity – TDS – Littoral Area
L - 175 - 8.0 - 6.8 - 25 20 - 15
CSU NFC NSC PCC RSC RB WSU
Fish Code(s)

Obstructions
Height (in meters) Depth (in meters)
Beaver Dam; Falls; Persistent Debris Accumulation; Cascade; Culvert; Dam

Features
Eroded Bank; Bridge; Rapids; Alluvial Fan; General Crossing; 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 Present (Confirmed); Fish Not Present (Confirmed); No Visible Channel; Fish Present (Inferred); Fish Not Present (Inferred)

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

Base Map Features
River / Stream; Glacier; Paved surface; 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
CO	Coho
CT	Cutthroat Trout
LKC	Lake Chub
RB	Rainbow Trout
SK	Sockeye

Historical

CODE	DESCRIPTION
NFC	No Fish Caught
NS	Not Sampled
CAS	Prickly Sculpin
CC	Cottus
CO	Coho Salmon
KO	Kokanee
MW	Mountain Whitefish
RB	Rainbow Trout

Historical

CODE	DESCRIPTION
SK	Sockeye

Historical

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
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

HISTORICAL REFERENCE IDENTIFICATION

FISS-British Columbia Ministry of Environment, Lands and Parks, and Department of Fisheries and Oceans, 1990.
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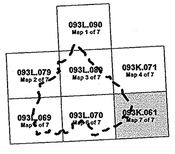
FOREST PRACTICES CODE RIPARIAN CLASSES (STREAM CLASSIFICATION)

Riparian Class	Average Channel Width (m)	Reserve Zone Width (m)	Management Zone Width (m)	Total RMA Width (m)
S1 Streams over 100 metres	> 100	0	100	100
S1	> 20	50	20	70
S2	> 5 - < 20	30	20	50
S3	1.5 - < 5	20	20	40
S4	< 1.5	0	20	20
S5	> 3	0	30	30
S6	< 3	0	20	20

INVENTORY SOURCE INFORMATION CODES

CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION
BASE	Base Map	LK STM	Lake Symbol	APP	Airphoto, Photometric	AP	Aerial Photography		INVMGNT : Group responsible for conducting inventory
TRIM	1:20,000 TRIM Maps	INV	Field Inventory	VDN	Video, Approximate	VID	Video		
NTS	1:50,000 NTS Maps	SS	Summary	VPC	Video, Corrected	HIS	Fish Information	MELP	Ministry of Environment, Lands & Parks
OTH	Other Map Source	N/A	Not Applicable	OTH	Other	DNVD	Detailed Field Inventory		
STR SYM	Stream Symbol	OTH	Other	HAB	Habitat Information	DNVO	General Field Inventory	MOF	Ministry of Forests
INV	Field Inventory	LOC	Location Information	INV	Field Inventory	SS	Summary	GSC	Geological Survey of Canada
SS	Summary	FDE	Field Estimate	SS	Summary	N/A	Not Applicable		
N/A	Not Applicable	FDG	Field, GPS	N/A	Not Applicable	OTH	Other	OTH	Other
OTH	Other	APE	Airphoto, Estimate	OTH	Other	DATE INV	Date of Inventory		

PROJECT STUDY AREA BOUNDARY



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