WATER MANAGEMENT BRANCH

MINISTRY OF ENVIRONMENT, LANDS AND PARKS

THE PROVINCE OF BRITISH COLUMBIA

CONDITIONAL WATER LICENCE

Arrow Lakes Power Development Corporation ("the licensee") is hereby authorized to divert and use water as follows:

(a) The source of water supply on which the rights are granted is the Arrow Lakes Reservoir formed by the works authorized under Conditional Water Licence 27066, or any licence issued in substitution thereof.

(b) The diversion and use of water from the Arrow Lakes Reservoir must be in accordance with an agreement between the licensee and the holder of Conditional Water Licence 27066, or any licence issued in substitution thereof, and this agreement must be submitted for acceptance by the Comptroller of Water Rights ("Comptroller").

(c) This licence remains in effect so long as the agreement required under clause (b), as may be amended from time to time, is in effect. If the agreement, as may be amended from time to time, terminates, this licence ceases to be in effect unless the Comptroller has granted approval in writing to an arrangement in substitution for the agreement.

(d) The point of diversion is located as shown on the attached plan.

(e) The date from which this licence shall have precedence is May 12, 1995.

(f) The purpose for which this licence is issued is power (general), which is to be generated at the Keenleyside Powerplant Project.

(g) The maximum quantity of water which may be diverted and used under this licence is 42,400 cubic feet per second (1,200 cubic metres per second).

(h) The water may be diverted and used throughout the whole year.

(i) This licence is appurtenant to the undertaking of the licensee to construct and operate the Keenleyside Powerplant Project approved under Project Approval Certificate E98-04 issued under the *Environmental Assessment Act,* and the lands on which the powerhouse is to be constructed as set out in the attached Schedule A.

(j) The works authorized to be constructed are;

1) an inlet on Arrow Lakes Reservoir; an approach channel and tailrace, which includes their banks and the concrete face rockfill dam; a powerhouse with two turbines and two generators; a switchyard, including transformers and switchgear, located on the roof of the powerhouse; and auxiliary structures and equipment related to the works, all of which shall be located as shown on attached Plan 1,

2) a modification of the shoreline of the Arrow Lakes Reservoir consisting of about 4600 feet of sand and gravel berm faced with a layer of riprap as shown on attached Plan 1,

3) a 230 kv transmission line from the switchyard to the Selkirk Substation as shown on attached Plan 2 and the drawings listed in Schedule B.

Attachment - Plan 1
- Plan 2
- Schedule A - powerhouse lands
- Schedule B - list of drawings

(k) The construction of works authorized under clause (j) shall not be started until plans, prepared by a professional engineer registered in the Province of British Columbia, have been submitted to, and leave to commence construction is given in writing by the Comptroller.

(l) Before commencing operation of the works the licensee shall:

1. submit, for acceptance by the Comptroller, a report defining the operational parameters for the generation of electricity at the Keenleyside Powerplant Project in sufficient detail for the Comptroller to verify that the operation conforms to: the requirements under the Columbia River Treaty; the conditions of Project Approval Certificate E98-04; and the agreement under clause (b),

2. submit, to the Comptroller, procedures based on the parameters of 1. above, for the operation of works authorized in clause (j)1.,

3. submit, for acceptance by the Comptroller, a plan for the maintenance of the area occupied by the transmission line as identified in the drawings listed in Schedule B,

4. submit, for acceptance by the Comptroller, an Operation, Maintenance and Surveillance Manual and an Emergency Preparedness Plan for works authorized in clause (j)1.,

5. receive leave to commence the diversion and use of water, in writing, from the Comptroller.

(m) The licensee shall operate the works as set out in clause (j)1. above in accordance with:

1. procedures ordered by the Comptroller,

2. any amendment of the procedures ordered by the Comptroller, including an order which regulates the diversion, rate of diversion and use of water for the preservation of fish.

(n) The construction of the said works shall be completed and the water beneficially used prior to the 31st day of December, 2004.

Prad Khare
Deputy Comptroller of Water Rights

File No. 4002641 Date issued: JAN 22 1999 Conditional Licence 109831

Schedule A - Lands on which the Powerhouse is to be Constructed

Title number	PID number	Land description
KM 99038	012-257-842	Lot A, District Lot 4599, Kootenay District, Plan 7603
KM 99039	016-039-467	Lot 40, District Lot 4599, Plan 794 except Plans 1721, 7246 and 7603
KM 99040	015-785-513	Lot 1, District Lot 4599, Kootenay District, Plan 1721
KM 99041	015-785-602	Lot 2, District Lot 4599, Kootenay District, Plan 1721 except part in Plan 7603
KM 99042	015-785-599	Lot 3, District Lot 4599, Kootenay District, Plan 1721 except part in Plan 7603
KM 99043	015-793-419	Lot 4, District Lot 4599, Kootenay District, Plan 1721
KM 99044	015-793-427	Lot 5, District Lot 4599, Kootenay District, Plan 1721
KM 99045	016-039-386	That part of Lot 41, District Lot 4599, Kootenay District, Plan 794, shown on Reference Plan 69367I except part in Plan 7603 and part in Plan NEP 21141
KM 99046	016-037-839	Lot 41, District Lot 4599, Kootenay District, Plan 794, except part on Ref Plan 69367I
KM 99047	015-870-103	Lot 6, District Lot 4599, Kootenay District, Plan 1721
KM 99048	015-870-111	Lot 7, District Lot 4599, Kootenay District, Plan 1721
KM 99049	015-785-548	That part of Lot 8, District Lot 4599, Kootenay District, Plan 1721, lying north of the government road shown on said Plan
KM 99050	015-785-581	That part of Lot 8, District Lot 4599, Kootenay District, Plan 1721, lying south of the road shown on said Plan
KM 99051	015-785-637	Lot 9, District Lot 4599, Kootenay District, Plan 1721, except road shown on Plan 7246
KM 99052	015-785-700	Lot 10, District Lot 4599, Kootenay District, Plan 1721, except road shown on Plan 7246
KM 99053	015-785-769	Lot 11, District Lot 4599, Kootenay District, Plan 1721, except road shown on Plan 7246
KM 99054	015-785-793	Lot 12, District Lot 4599, Kootenay District, Plan 1721, except road shown on plan 7246
KM 99055	015-785-726	Lot 13, District Lot 4599, Kootenay District, Plan 1721, except road shown on Plan 7246
KM 99056	015-793-346	Lot 14, District Lot 4599, Kootenay District, Plan 1721, except road shown on Plan 7246
KM 99057	015-793-354	Lot 15, District Lot 4599, Kootenay District, Plan 1721
KM 99058	015-793-362	Lot 16, District Lot 4599, Kootenay District, Plan 1721
KM 99059	015-793-371	Lot 17, District Lot 4599, Kootenay District, Plan 1721
KM 99060	015-793-389	Lot 18, District Lot 4599, Kootenay District, Plan 1721
KM 99061	015-793-397	Lot 19, District Lot 4599, Kootenay District, Plan 1721

P. Kharé
Deputy Comptroller of Water Rights

File No. 4002641 Date: JAN 22 1999 Conditional Licence 109831

Schedule B - List of Drawings showing Transmission Line

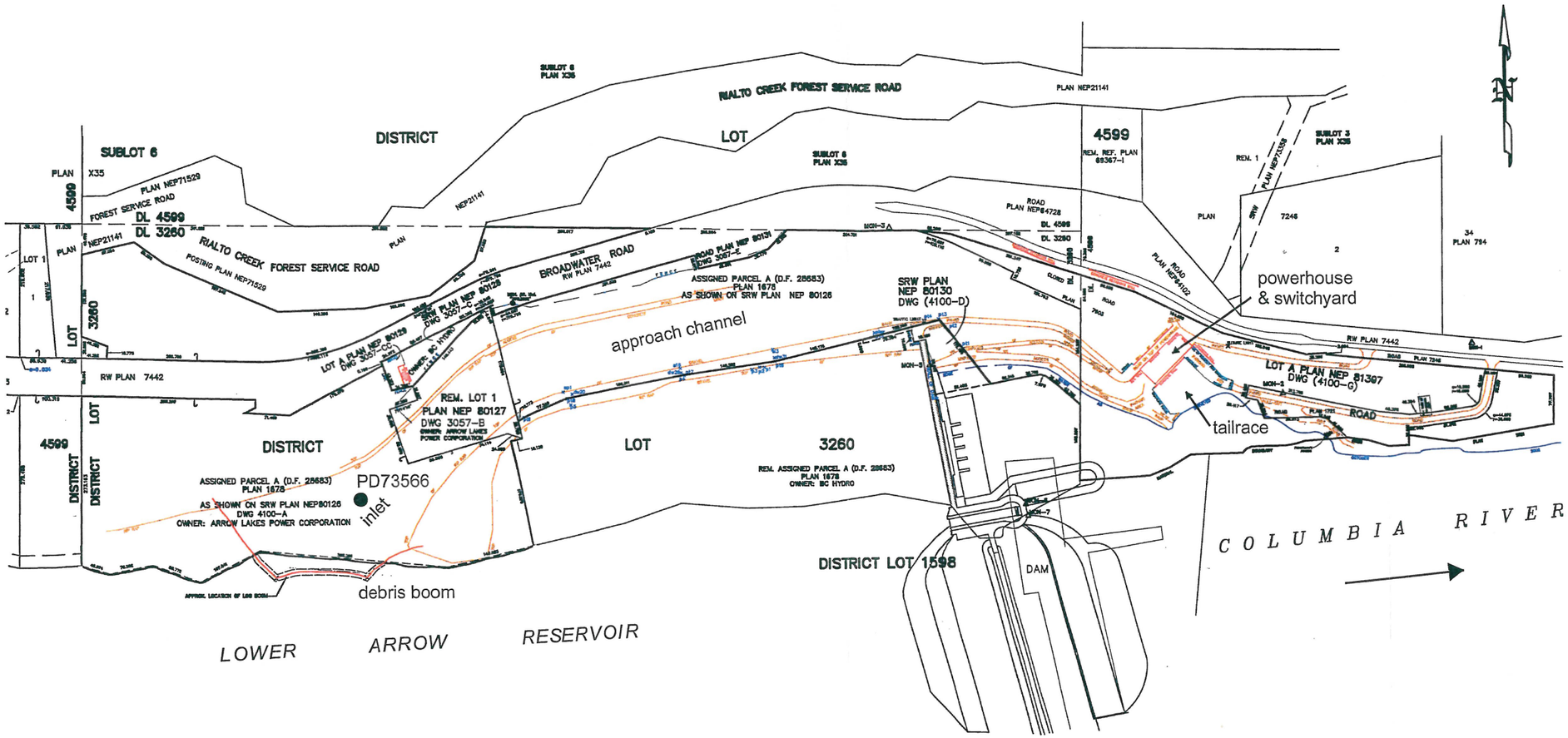
KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L
PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS

dwg No. 2L289 - T07 - E14 - Sheet 1 of 28
dwg No. 2L289 - T07 - E14 - Sheet 2 of 28
dwg No. 2L289 - T07 - E14 - Sheet 3 of 28
dwg No. 2L289 - T07 - E14 - Sheet 4 of 28
dwg No. 2L289 - T07 - E14 - Sheet 5 of 28
dwg No. 2L289 - T07 - E14 - Sheet 6 of 28
dwg No. 2L289 - T07 - E14 - Sheet 7 of 28
dwg No. 2L289 - T07 - E14 - Sheet 8 of 28
dwg No. 2L289 - T07 - E14 - Sheet 9 of 28
dwg No. 2L289 - T07 - E14 - Sheet 10 of 28
dwg No. 2L289 - T07 - E14 - Sheet 11 of 28
dwg No. 2L289 - T07 - E14 - Sheet 12 of 28
dwg No. 2L289 - T07 - E14 - Sheet 13 of 28
dwg No. 2L289 - T07 - E14 - Sheet 14 of 28
dwg No. 2L289 - T07 - E14 - Sheet 15 of 28
dwg No. 2L289 - T07 - E14 - Sheet 16 of 28
dwg No. 2L289 - T07 - E14 - Sheet 17 of 28
dwg No. 2L289 - T07 - E14 - Sheet 18 of 28
dwg No. 2L289 - T07 - E14 - Sheet 19 of 28
dwg No. 2L289 - T07 - E14 - Sheet 20 of 28
dwg No. 2L289 - T07 - E14 - Sheet 21 of 28
dwg No. 2L289 - T07 - E14 - Sheet 22 of 28
dwg No. 2L289 - T07 - E14 - Sheet 23 of 28
dwg No. 2L289 - T07 - E14 - Sheet 24 of 28
dwg No. 2L289 - T07 - E14 - Sheet 25 of 28
dwg No. 2L289 - T07 - E14 - Sheet 26 of 28
dwg No. 2L289 - T07 - E14 - Sheet 27 of 28
dwg No. 2L289 - T07 - E14 - Sheet 28 of 28

P.Kharé
Deputy Comptroller of Water Rights

File No. 4002641 Date: JAN 22 1999 Conditional Licence 109831

BRITISH COLUMBIA
The Best Place on Earth



WATER DISTRICT: NELSON
PRECINCT: CASTLEGAR
LAND DISTRICT: KOOTENAY

Signature: [signature]

Date: December 16, 2009

LEGEND

Scale: 1:8,000
Point of Diversion: ●
Map Number: 082F.032
Permit over Crown Land:

C.L. 109831
File 4002641
P.C.L. 26262

FOR REMAINDER OF TRANSMISSION LINE REFER TO DRAWINGS LISTED IN SCHEDULE B.

D.L. 4599
P. X-35

S.L. 6
PLAN X-35

D.L. 4599

FOREST SERVICE ROAD

REF. PLAN NEP 21141

BROADWATER ROAD

BANK

APPROACH CHANNEL

POWERHOUSE WITH SWITCHYARD ON ROOF

CONCRETE FACE ROCKFILL DAM

D.L. 3260

BANK

TAILRACE

SHORELINE MODIFICATION

B4

INLET

HUGH KEENLEYSIDE DAM

COLUMBIA RIVER

ARROW LAKES RESERVOIR

D.L. 1598

PLAN 12048

D.L. 3484

D.L. 6884

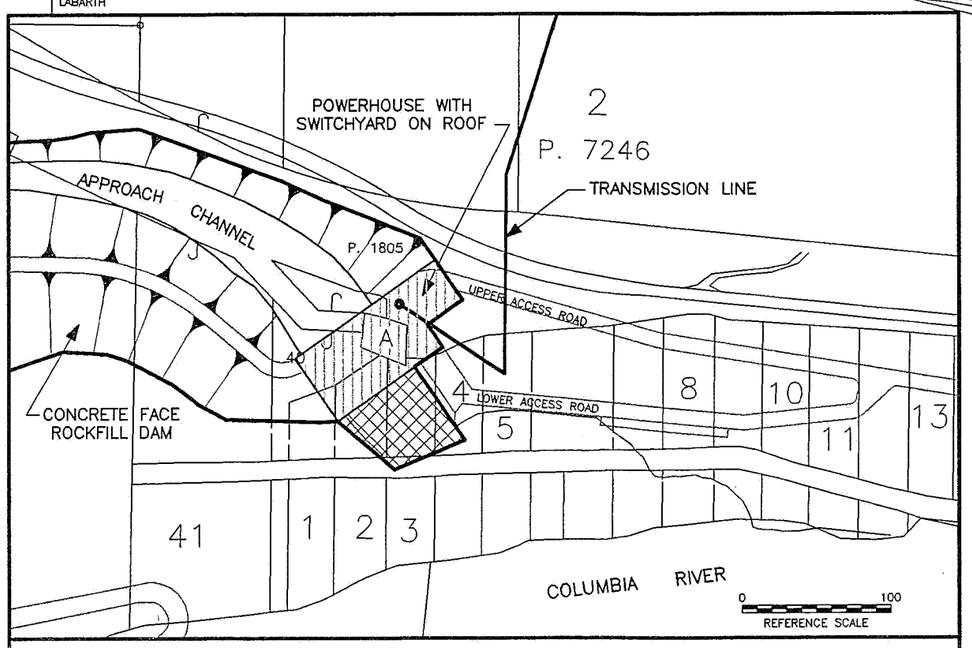
LABARTH

CROWN LAND

D.L. 6885

CASTLEGAR MUNICIPAL BDY

D.L. 4268



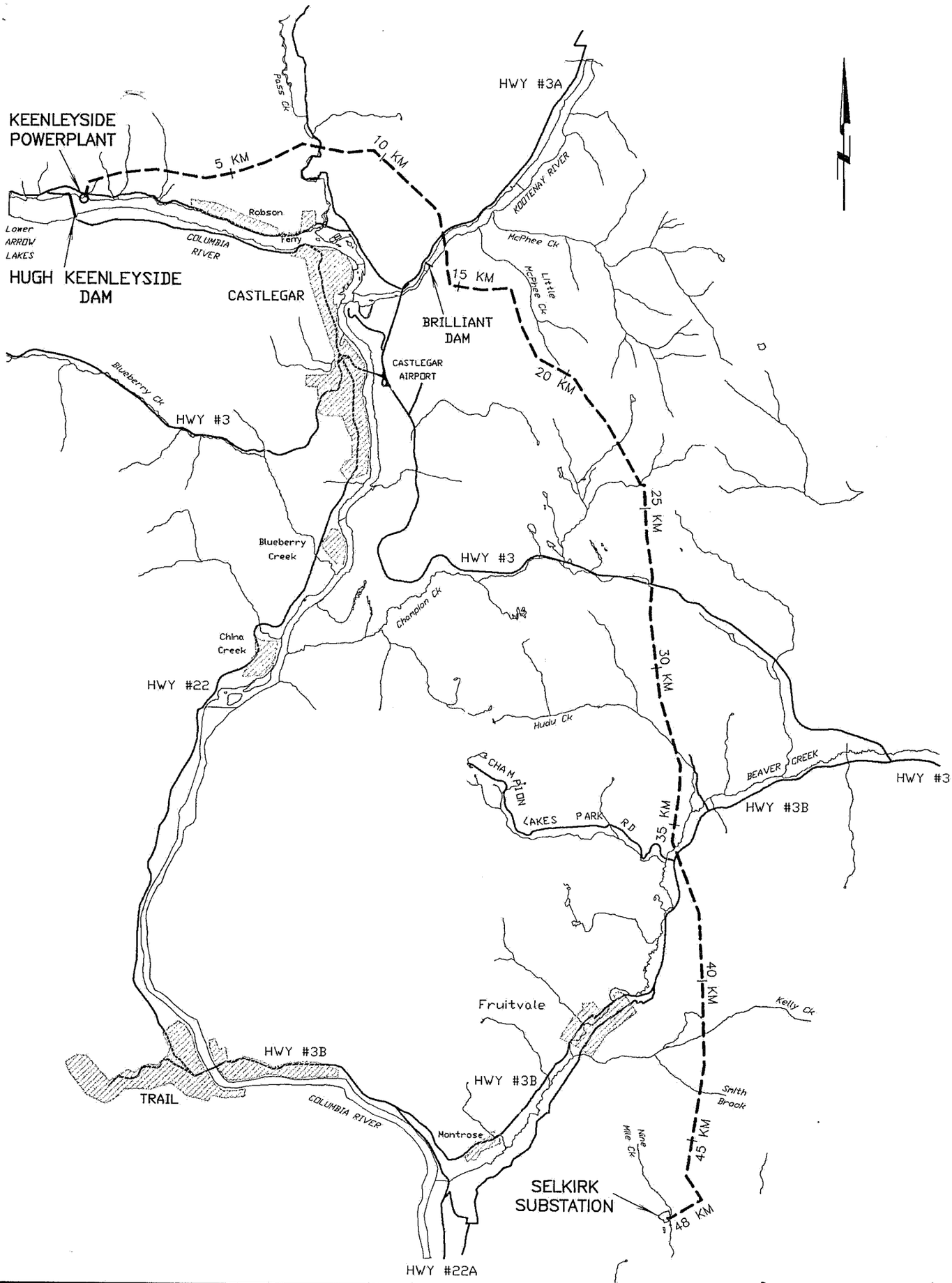
DETAILS OF POWERHOUSE, SWITCHYARD AND TAILRACE

WATER DISTRICT : NELSON
PRECINCT : CASTLEGAR
LAND DISTRICT : KOOTENAY

LEGEND
Scale : 0.0 250.0m
Point of Diversion : O
Map Number : WR 5130F

Signature
Dy. Comptroller of Water Rights
Date Jan 22/99

CL 109831
PLAN 1
File: 4002641

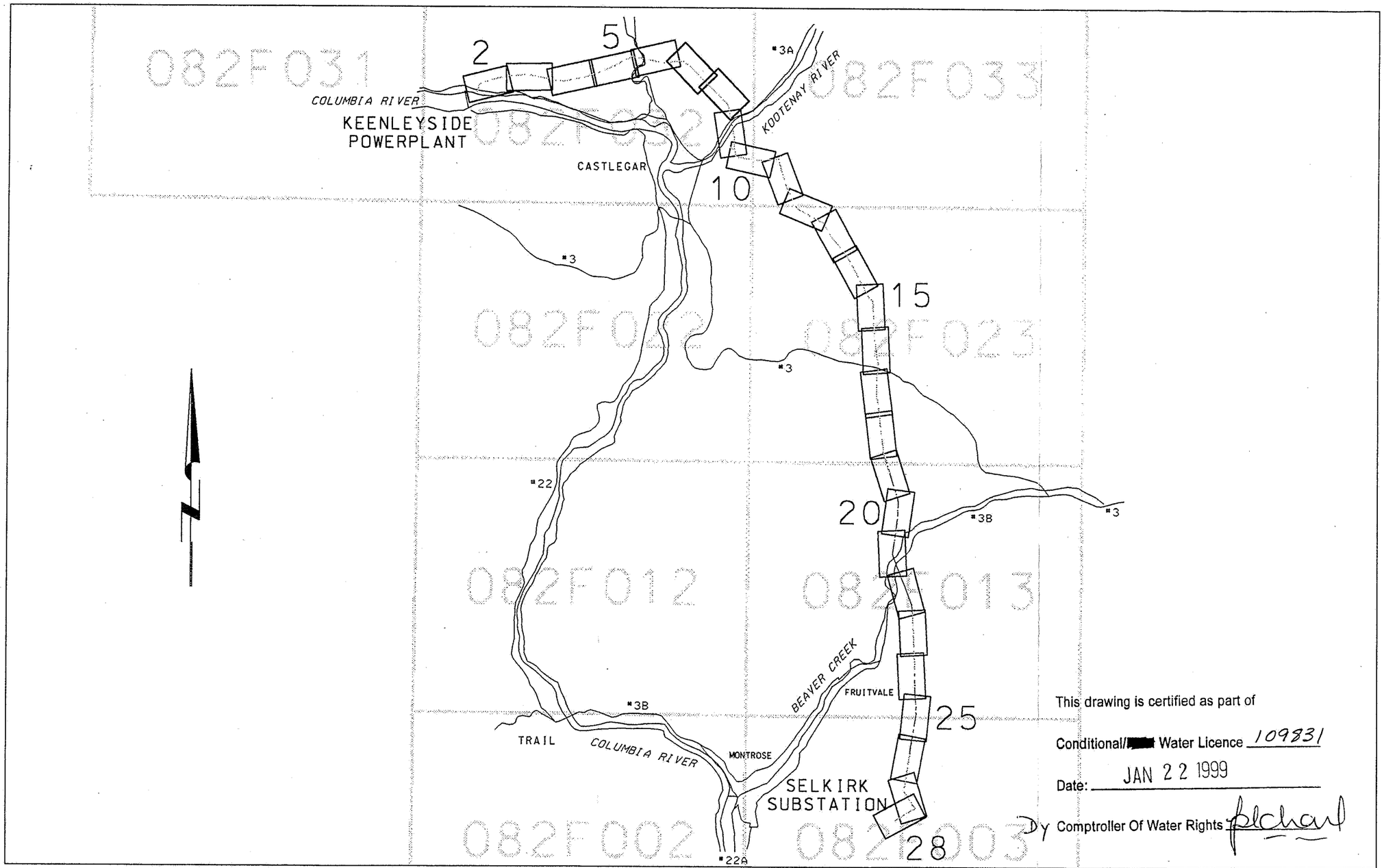


WATER DISTRICT : NELSON
LAND DISTRICT : KOOTENAY

Signature Dy. Comptroller of Water Rights
Date Jan 22/99

LEGEND
Scale : 5000 4000 3000 2000 1000 0 2500 5000 Metres
Transmission Line : - - - - - - - -

CL 109831
PLAN 2
File: 4002641



This drawing is certified as part of

Conditional/[redacted] Water Licence 109831

Date: JAN 22 1999

By Comptroller Of Water Rights

COLUMBIA POWER CORPORATION		
KEENLEYSIDE 150 mW POWERPLANT PROJECT		
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L		
CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L
DATE NOV. 4, 1998	PHOTO SCALE 1:10000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
GRID ORIGIN UTM Z11/ NAD83	DATUM GEODETIC	SHEET 1 OF 28
N.T.S. 82 F	DWG. SCALE	CONTOUR INT. / DWG. No. 2L289 - T07 - E14 / R.

DIGITAL MAP

This drawing is certified as part of

Conditional/[redacted] Water Licence 109831

Date: JAN 22 1999

By Comptroller Of Water Rights

LEGEND

PONDS: Hard surface. Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / Trail
Building(s) / House / Barn / Silo
Ruin or Under Construction
Survey Control
Parking Area: Nailbed
Railway: Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground): (underground)

STEEL STRUCTURES: Rigid: Guyed: with attachments
WOODEN STRUCTURES: 3 pole: 2 pole: 1 pole: with attachments
CONDUCTOR LINES: Transmission: Distribution
Lamp standard: Road sign/Post/Rail switch
Microwave base: Satellite dish
Deflector: Riprap
Slide: Rock outcrop: Boulder
Cut / Fill / Embankment
Cutline
Pit / Dyke
Pits / Silt / Encroachment

Lake / pond with high water line: Dry pond
River: Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond
Falls: Rapids
Marsh: Swamp
Wet area: Ditch with culvert
Wooded area: Small trees
Single tree: Brush
Hedge: Snag tree
Clearing: Small scattered trees

Metres 100 0 100 200

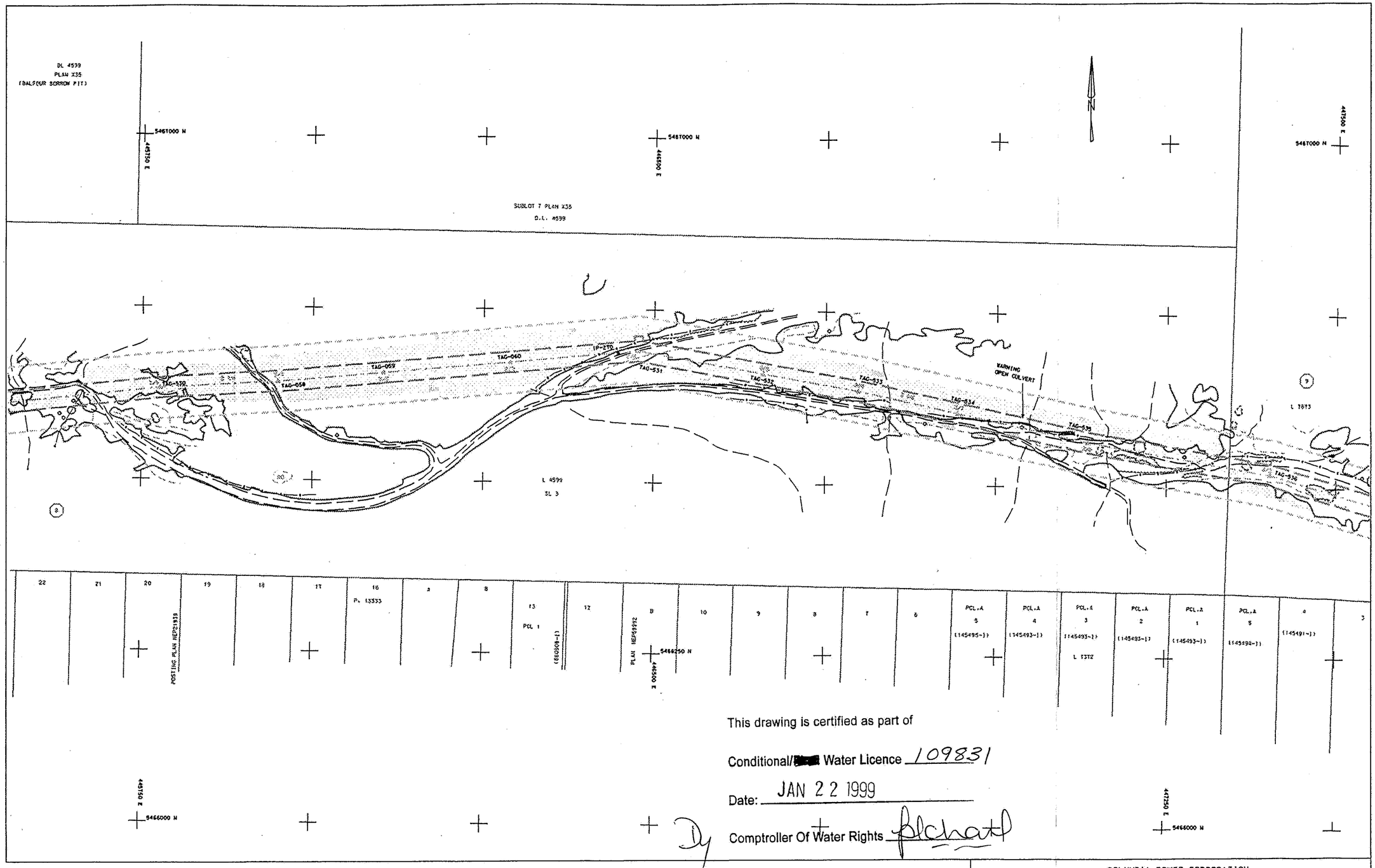
NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UKNOWN.

Crown Land (12)
Private Land (34)

Proposed T/L Centreline & Structure
Proposed Double Circuit C/L & Structure
Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure
Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION		
KEENLEYSIDE 150 mW POWERPLANT PROJECT		
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L		
CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L
DATE NOV. 4, 1998	PHOTO SCALE 1:10.000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 02 OF 28
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT. / DWG. No. 2L289 - TOT - E14 / R. 0



This drawing is certified as part of

Conditional/[redacted] Water Licence 109831

Date: JAN 22 1999

Comptroller Of Water Rights

LEGEND

ROADS: Hard surface. Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / Trail
Building(s) / House / Barn / Silo
Ruin or Under Construction — U/C
Survey Control
Parking Area. Helipad — P H
Railway. Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground). (under ground)

STEEL STRUCTURES: Rigid. Guyed. with attachments
WOODEN STRUCTURES: 3 pole. 2 pole. 1 pole. with attachments
CONDUCTOR LINES: Transmission. Distribution
Lane standard. Road sign/Post/Rail section
Microwave base. Satellite dish
Deflector. Riprap
Silos. Rock outcrop. Boulder
Cut / Fill / Embankment
Cutline
Pit / Dyke
Pile / Cliff / Escarpment

Lake / pond with high water line. Dry pond
River. Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond — BD
Falls. Rapids — T/L RPI
Marsh. Swamp — M
Wet area. Ditch with culvert
Wooded area. Small trees
Single tree. Brush — BR
Hedge. Snag tree
Clearing. Small scattered trees — CL SST

Metres 100 0 100 200

NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UNKNOWN.

Crown Land (12)
Private Land (34)

Proposed T/L Centreline & Structure — 1/1
Proposed Double Circuit C/L & Structure — 1/1
Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION			
KEENLEYSIDE 150 mW POWERPLANT PROJECT			
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L			
CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT	
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L	
DATE NOV. 4, 1998	PHOTO SCALE 1:10,000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS	
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 03 OF 28	
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT.	DWG. No. 2L289 - T07 - E14 R. 0

This drawing is certified as part of

Conditional/[redacted] Water Licence 109831

Date: JAN 22 1999

Comptroller Of Water Rights

LEGEND

ROADS: Hard surface, Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / trail
Building(s) / House / Barn / Silo
Ruin or Under Construction — U/C
Survey Control
Parking Area: Helipad
Railway, Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground), (under ground)

STEEL STRUCTURES: Right, Curve, with attachments
WOODEN STRUCTURES: 2 pole, 3 pole, 1 pole, with attachments
CONDUCTOR LINES: Transmission, Distribution
Lamp standard: Road sign/Post/Wall switch
Microwave base, Satellite dish
Deflector: Hinge
Slide, Rock outcrop, Boulder — SS
Cut / Fill / Embankment
Cutline
Pit / Dump
Pile / Silo / Equipment

Lake / pond with high water line, Dry pond
River, Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond — BD
Falls, Rapids — FL RP
Marsh, Swamp
Wet area, Ditch with culvert — CL
Wooded area, Small trees
Single tree, Brush — ST
Hedge, Snag tree
Clearing, Small scattered trees — CL SST

Metres 100 0 100 200

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Crown Land (12)
Private Land (34)

Proposed T/L Centreline & Structure — 1/1
Proposed Double Circuit C/L & Structure — 1/1
Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

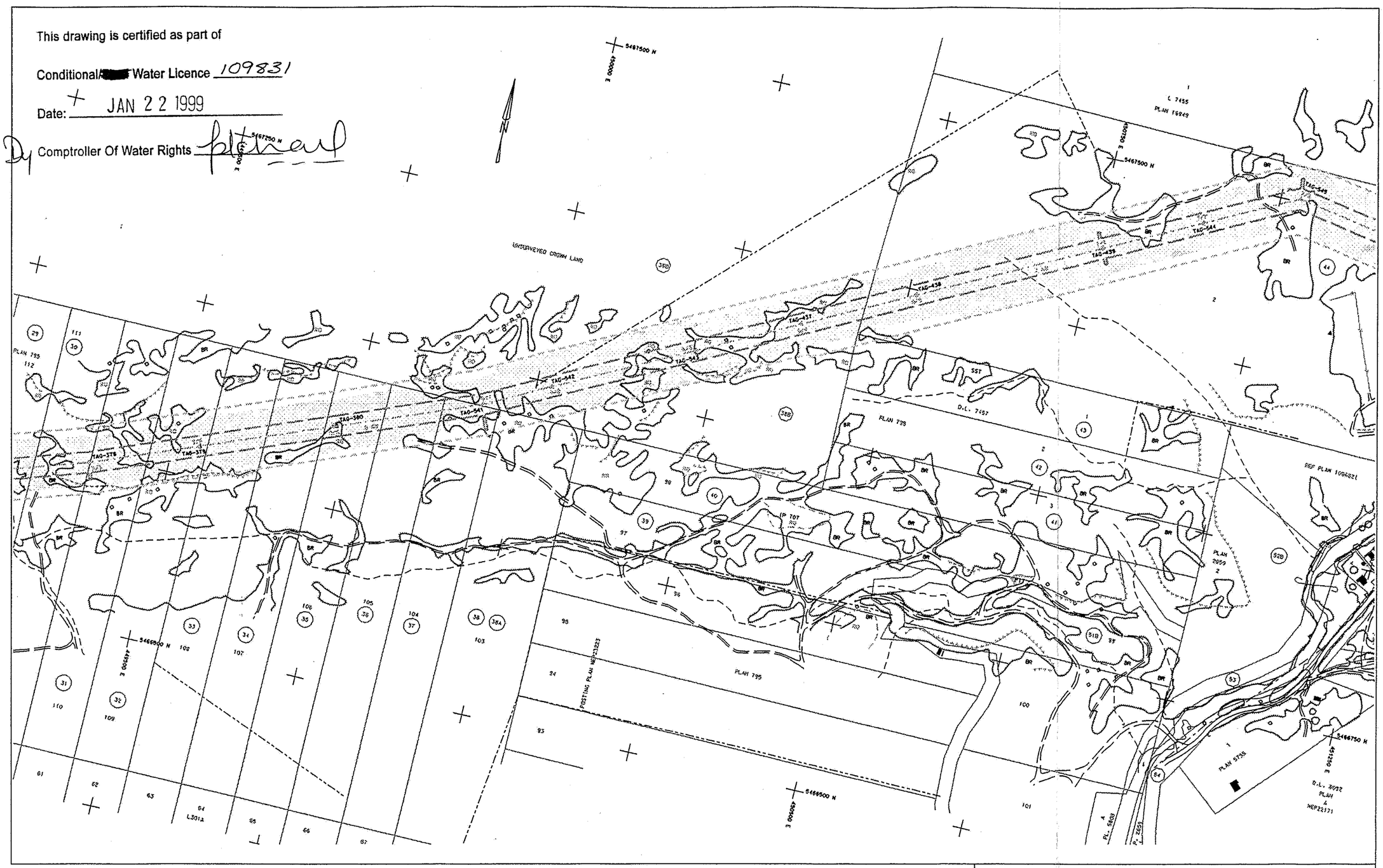
COLUMBIA POWER CORPORATION		
KEENLEYSIDE 150 mW POWERPLANT PROJECT		
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L		
CHECKED	PROJECT No. KPP 9T	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L
DATE NOV. 4. 1998	PHOTO SCALE 1:10.000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 04 OF 28
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT. / DWG. No. 2L289 - TOT - E14 / R. 0

This drawing is certified as part of

Conditional [redacted] Water Licence 109831

Date: JAN 22 1999

By Comptroller Of Water Rights



LEGEND

ROADS: Hard surface, Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Track
Abandoned access road / trail
Building(s) / House / Barn / Silo
Ruin or Under Construction (U/C)
Survey Control
Parking Area: Helipad
Railway: Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground): F — Fn
(under ground): F — Fn

STEEL STRUCTURES: Rigid: Guyed: with attachments
WOODEN STRUCTURES: 3 pole: 2 pole: 1 pole: with attachments
CONDUCTOR LINES: Transmission: Distribution
Lamp standard: Road sign/post/bell pulley
Microwave tower: Satellite dish
Deflector: Mirror
Silos: Rock outcrop: Boulder
Cut / Fill / Embankment
Cutline
Pit / hole
Pile / Cliff / Escarpment

Lake / pond with high water line: Dry pond
River: Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond (BD)
Falls: Rapids (FL) (RP)
Marsh: Swamp (M) (S)
Wet area: Ditch with culvert
Wooded area: Small trees (ST)
Single tree: Brush (BR)
Hedge: Snag tree
Clearing: Small scattered trees (CL) (SST)

Metres 100 0 100 200

NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES.
THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UNKNOWN.

Crown Land (12)
Private Land (34)

Proposed T/L Centreline & Structure — 1/2
Proposed Double Circuit C/L & Structure — 1/1
Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION

KEENLEYSIDE 150 mW POWERPLANT PROJECT

KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L

CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L
DATE NOV. 4. 1998	PHOTO SCALE 1:10.000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 05 OF 28
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT. / DWG. No. 2L289 - T07 - E14 / R. 0

This drawing is certified as part of

Conditional/[redacted] Water Licence 109831

Date: JAN 22 1999

Comptroller Of Water Rights

LEGEND

ROADS: Hard surface. Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / Trail
Building(s) / House / Barn / Silo
Ruin or Under Construction — U/C
Survey Control
Parking Area. Helipad — P H
Railway. Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground). (under ground)

STEEL STRUCTURES: Rigid. Guyed. with attachments
WOODEN STRUCTURES: 3 poles. 2 poles. 1 pole. with attachments
CONDUCTOR LINES: Transmission. Distribution
Lamp standards. Road sign/Post/Rail switch
Microwave base. Satellite dish
Dedicator. Riser
Slide. Rock outcrop. Boulder
Cut / Fill / Embankment
Cutline
Pit / Dyke
Pile / Cliff / Escarpment

Lake / pond with High water line. Dry pond
River. Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond — BD
Falls. Rapids — FLS RPS
Marsh. Swamp — M S
Wet area. Ditch with culvert
Wooded area. Small trees — ST
Single tree. Brush — BR
Hedge. Snag tree
Clearing. Small scattered trees — CL SST

Metres 100 0 100 200

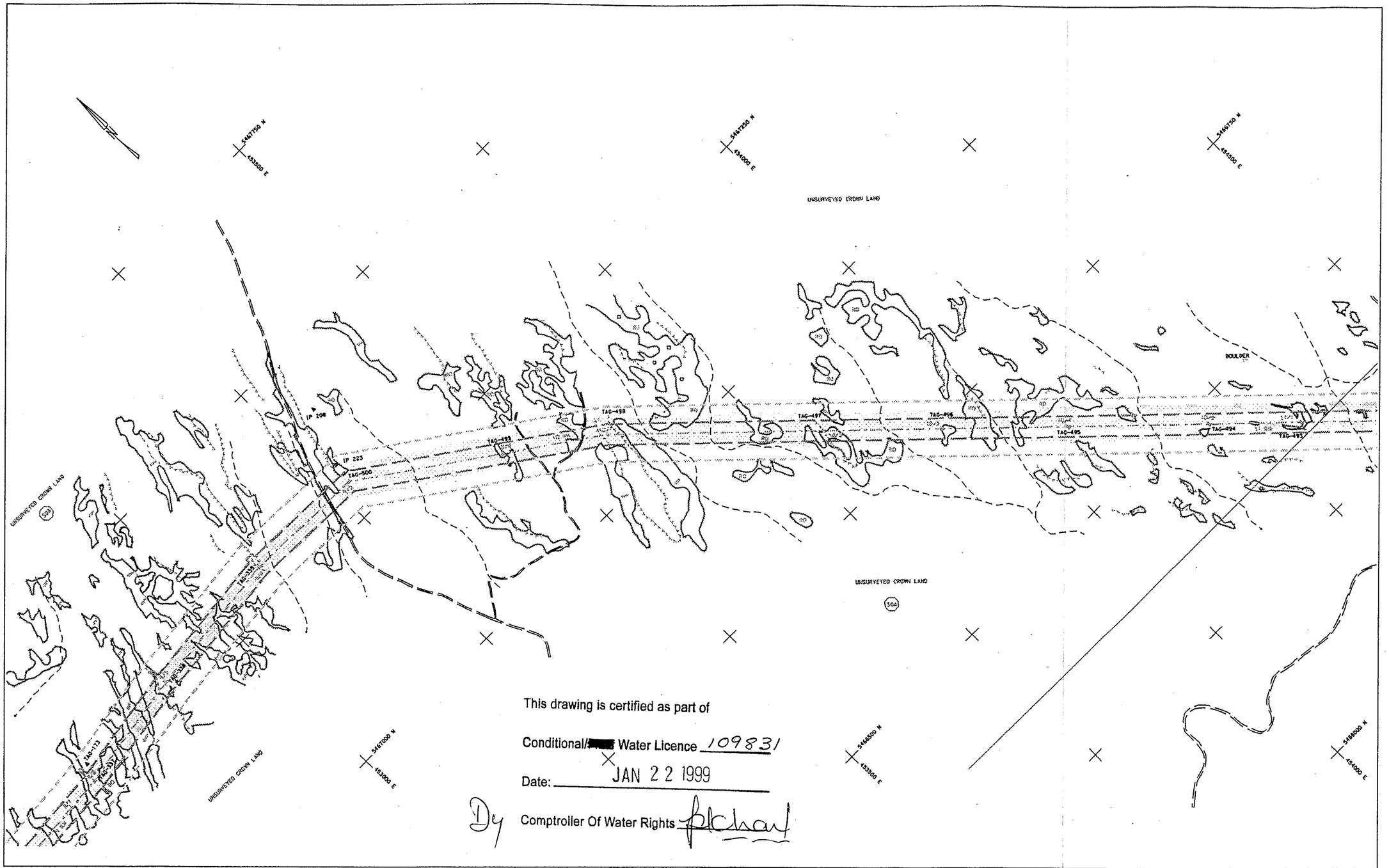
NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UKNOWN.

Crown Land (12)
Private Land (34)

Proposed T/L Centreline & Structure — 1/1
Proposed Double Circuit C/L & Structure — 1/1
Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION		
KEENLEYSIDE 150 mW POWERPLANT PROJECT		
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 KV T/L		
CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L
DATE NOV. 4. 1998	PHOTO SCALE 1:10.000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 06 OF 28
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT. / DWG. No. 2L289 - TOT - E14 / R. 0



LEGEND

PONDS: Hard surface, Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / Trail
Building(s) / House / Barn / Silo
Ruin or Under Construction
Survey Control
Parking Area, Helipad
Railway, Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground), (under ground)

STEEL STRUCTURES: Rigid, Guyed, with attachments
WOODEN STRUCTURES: 3 poles, 2 poles, 1 pole, with attachments
CONDUCTOR LINES: Transmission, Distribution
Lamp standard, Road sign/Post/Bell button
Microwave base, Satellite dish
Deflector, Riprap
Silos, Rock outcrop, Boulder
Cut / Fill / Embankment
Cutline
Pit / Dyke
Pile / Stiff / Escarpment

Lake / pond with High water line, Dry pond
River, Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond
Falls, Rapids
Marsh, Swamp
Wet area, Ditch with culvert
Wooded area, Small trees
Single trees, Brush
Hedge, Snag trees
Clearing, Small scattered trees

NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UKNOWN.

Metres 100 0 100 200

Proposed T/L Centreline & Structure — 1/2
Proposed Double Circuit C/L & Structure — 1/1
Crown Land (12) Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Private Land (34) Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

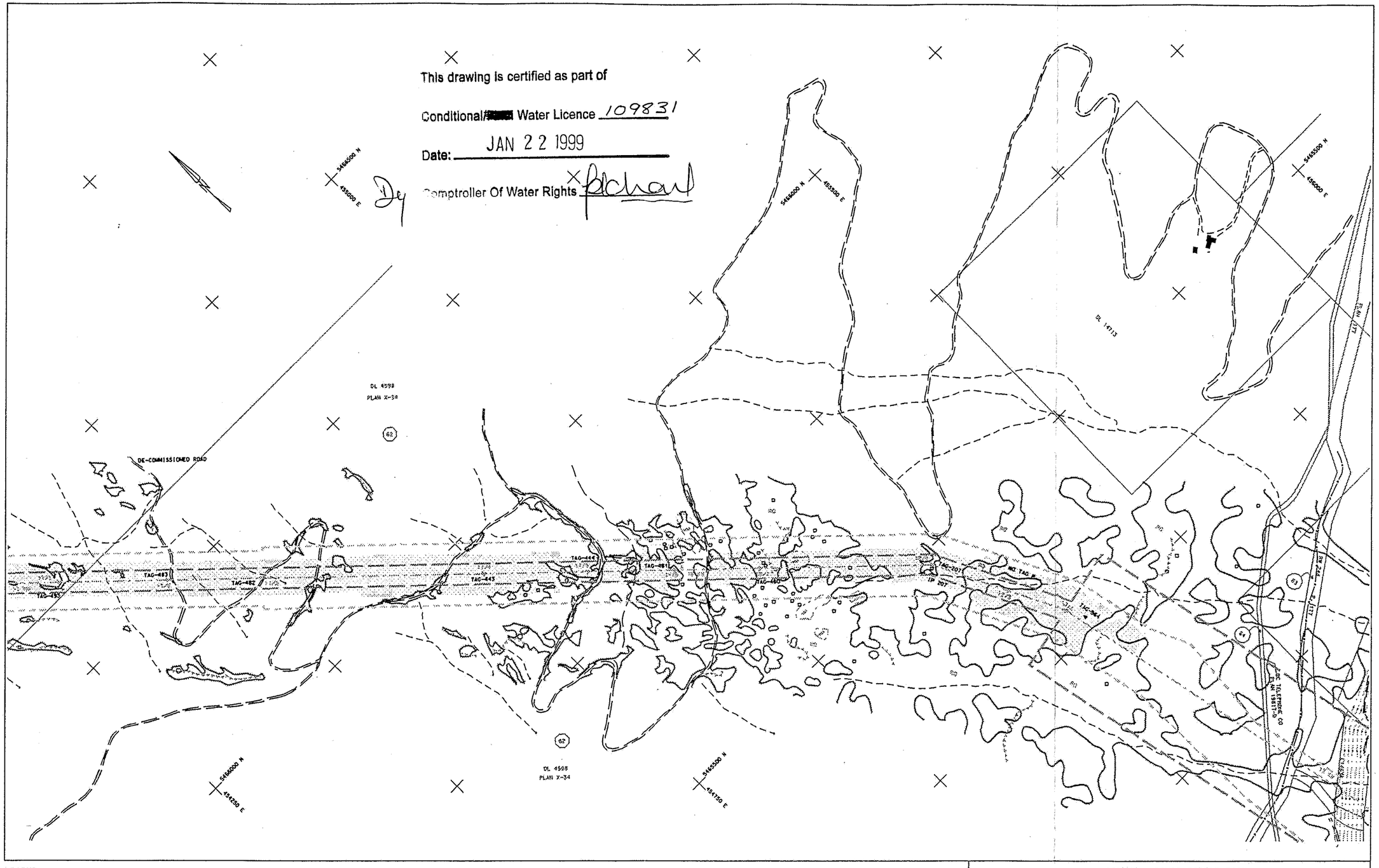
COLUMBIA POWER CORPORATION			
KEENLEYSIDE 150 mW POWERPLANT PROJECT			
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L			
CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT	
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L	
DATE NOV. 4, 1998	PHOTO SCALE 1:10,000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS	
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 07 OF 28	
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT.	DWG. No. 2L289 - TOT - E14 R. 0

This drawing is certified as part of

Conditional/[redacted] Water Licence 109831

Date: JAN 22 1999

Comptroller Of Water Rights



LEGEND

ROADS: Hard surface; Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / trail
Building(s) / House / Barn / Silo
Ruin or Under Construction — U/C
Survey Control
Parking Area. Helipad
Railway. Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground); (under ground)

STEEL STRUCTURES: Rigid. Guyed. with attachment
WOODEN STRUCTURES: 3 poles. 2 poles. 1 pole. with attachments
CONDUCTOR LINES: Transmission. Distribution
Lamp standards. Road sign/Post/Bell bollard
Microwave base. Satellite dish
Deflector. Riprap
Slide. Rock outcrop. Boulder
Cut / Fill / Embankment
Cutline
Pit / Dump
Pile / Cliff / Escarpment

Lake / pond with High water line. Dry pond
River. Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond — BD
Falls. Rapids — FL RP
Marsh. Swamp — M SW
Wet area. Ditch with culvert
Wooded area. Small trees — ST
Single tree. Brush — BR
Hedge. Snag tree
Clearing. Small scattered trees — CL SST

Metres 100 0 100 200

NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES.
THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UKNOWN.

Proposed T/L Centreline & Structure — 3/1
Proposed Double Circuit C/L & Structure — 1/1
Crown Land (12) — Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Private Land (34) — Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION			
KEENLEYSIDE 150 mW POWERPLANT PROJECT			
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L			
CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT	
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L	
DATE NOV. 4. 1998	PHOTO SCALE 1:10.000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS	
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 08 OF 28	
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT.	DWG. No. 2L289 - T07 - E14	R. 0

This drawing is certified as part of

Conditional/[redacted] Water Licence 109831

Date: JAN 22 1999

Comptroller Of Water Rights

LEGEND

ROADS: Hard surface, Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / Trail
Building(s) / House / Barn / Silo
Ruin or Under Construction
Survey Control
Parking Area, Helipad
Railway, Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground), (under ground)

STEEL STRUCTURES: Rigid, Guyed, with attachments
WOODEN STRUCTURES: 3 poles, 2 poles, 1 pole, with attachments
CONDUCTOR LINES: Transmission, Distribution
Lamp standard, Road sign/post/tall antenna
Microwave base, Satellite dish
Defoliator, Micro
Silos, Rock outcrop, Boulder
Cut / Fill / Embankment
Cutline
Pit / Dyke
Pile / Cliff / Escarpment

Lake / pond with high water line, Dry pond
River, Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond
Falls, Rapids
Marsh, Swamp
Wet area, Ditch with culvert
Wooded area, Small trees
Single tree, Brush
Hedge, Snag tree
Clearing, Small scattered trees

Metres 100 0 100 200

NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UKNOWN.

Proposed T/L Centreline & Structure — 1/5
Proposed Double Circuit C/L & Structure — 1/1
Crown Land (12) Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Private Land (34) Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION		
KEENLEYSIDE 150 mW POWERPLANT PROJECT		
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L		
CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L
DATE NOV. 4, 1998	PHOTO SCALE 1:10,000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 09 OF 28
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT. / DWG. No. 2L289 - TOT - E14 / R. 0

This drawing is certified as part of

Conditional/[redacted] Water Licence 109831

Date: JAN 22 1999

By Comptroller Of Water Rights

LEGEND

ROADS: Hard surface, Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / trail
Building(s) / House / Barn / Silo
Ruin or Under Construction — U/C
Survey Control
Parking Area, Helipad
Railway, Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground), (under ground)

STEEL STRUCTURES: Rigid, Guyed, with attachments
WOODEN STRUCTURES: 3 pole, 2 pole, 1 pole with attachments
CONDUCTOR LINES: Transmission, Distribution
Lamp standard, Road sign/post/Pull switch
Microwave base, Satellite dish
Detector, Alarm
Slide, Rock outcrop, Boulder
Cut / Fill / Embankment
Cutline
Pit / Dump
Pile / Cliff / Escarpment

Lake / pond with High water line, Dry pond
River, Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond — BD
Falls, Rapids — FL, RP
Marsh, Swamp — M, L
Wet area, Ditch with culvert
Wooded area, Small brush — ST
Single tree, Brush — BR
Hedge, Snag tree
Clearing, Small scattered trees — CL, SST

Metres 100 0 100 200

NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UKNOWN.

Proposed T/L Centreline & Structure — 1/3
Proposed Double Circuit C/L & Structure — 1/1
Crown Land (12) Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Private Land (34) Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION			
KEENLEYSIDE 150 mW POWERPLANT PROJECT			
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L			
CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT	
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L	
DATE NOV. 4. 1998	PHOTO SCALE 1:10.000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS	
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 10 OF 28	
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT.	DWG. No. 2L289 - TOT - E14 R. 0

5463500 N
457750 E
5463500 N
458000 E
5461500 N
458500 E
S.L. 2
D.L. 1239
P. X-55
13
14
57
Proposed Access Road
TAG-548
TAG-547
TAG-549
TAG-570
TAG-551
TAG-552
TAG-553
TAG-554
TAG-555
POSSIBLE HELIPAD SITE
DL 4598
PLAN X34
Proposed Access Road
D.L. 4598
P. X-34
12
5462500 N
457000 E
5462000 N
457250 E
5461500 N
457500 E

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Conditional/[redacted] Water Licence 109831

Date: JAN 22 1999

Comptroller Of Water Rights

LEGEND

ROADS: Hard surface. Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / Trail
Building(s) / House / Barn / Silo
Ruin or Under Construction — U/C
Survey Control
Parking Area. Heliport
Railway. Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground). (under ground)
STEEL STRUCTURES: Rigid. Guyed. with attachments
WOODEN STRUCTURES: 3 poles. 2 poles. 1 poles with attachments
CONDUCTOR LINES: Transmission. Distribution
Lamp standard. Road sign/post/bell pole
Microwave base. Satellite dish
Debarker. Microwave
Silos. Hook outcrop. Boulder
Cut / Fill / Embankment
Cutline
Pit / Dump
Pile / Cliff / Escarpment
Lake / pond with High water line. Dry pond
River. Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond — BD
Falls. Rapids — FL RP
Marsh. Swamp — M L
Wet area. Ditch with culvert
Wooded area. Small trees — ST
Single tree. Brush — BR
Hedge. Snag tree
Clearing. Small scattered trees — CL SST

Metres 100 0 100 200

NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UKNOWN.

Proposed T/L Centreline & Structure — 1/5
Proposed Double Circuit C/L & Structure — 1/1
Crown Land (12) Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Private Land (39) Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION			
KEENLEYSIDE 150 mW POWERPLANT PROJECT			
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L			
CHECKED	PROJECT No. KPP 9T	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT	
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L	
DATE NOV. 4. 1998	PHOTO SCALE 1:10,000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS	
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 11 OF 28	
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT.	DWG. No. 2L289 - T07 - E14	R. 0

This drawing is certified as part of

Conditional/[redacted] Water Licence 109831

Date: JAN 22 1999

Comptroller Of Water Rights

LEGEND

ROADS: Hard surface, Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / trail
Building(s) / House / Barn / Silo
Ruin or Under Construction — U/C
Survey Control
Parking area. Helipad
Railway. Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground). (under ground)

STEEL STRUCTURES: Rigid. Guyed. with attachments
WOODEN STRUCTURES: 3 poles. 2 poles. 1 pole. with attachments
CONDUCTOR LINES: Transmission. Distribution
Lamp standard. Road sign/Post/Rail bollard
Microwave base. Satellite dish
Deflector. Riprap
Silos. Rock outcrop. Boulder
Cut / Fill / Embankment
Cutline
Pit / Dyke
Pile / Stiff / Escarpment

Lake / pond with high water line. Dry pond
River. Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond — BD
Falls. Rapids — IFL RPI
Marsh. Swamp
Wet area. Creek with culvert
Wooded area. Small trees
Single tree. Brush — BR ST
Hedge. Snag tree
Clearing. Small scattered trees — CL SST

Metres 100 0 100 200

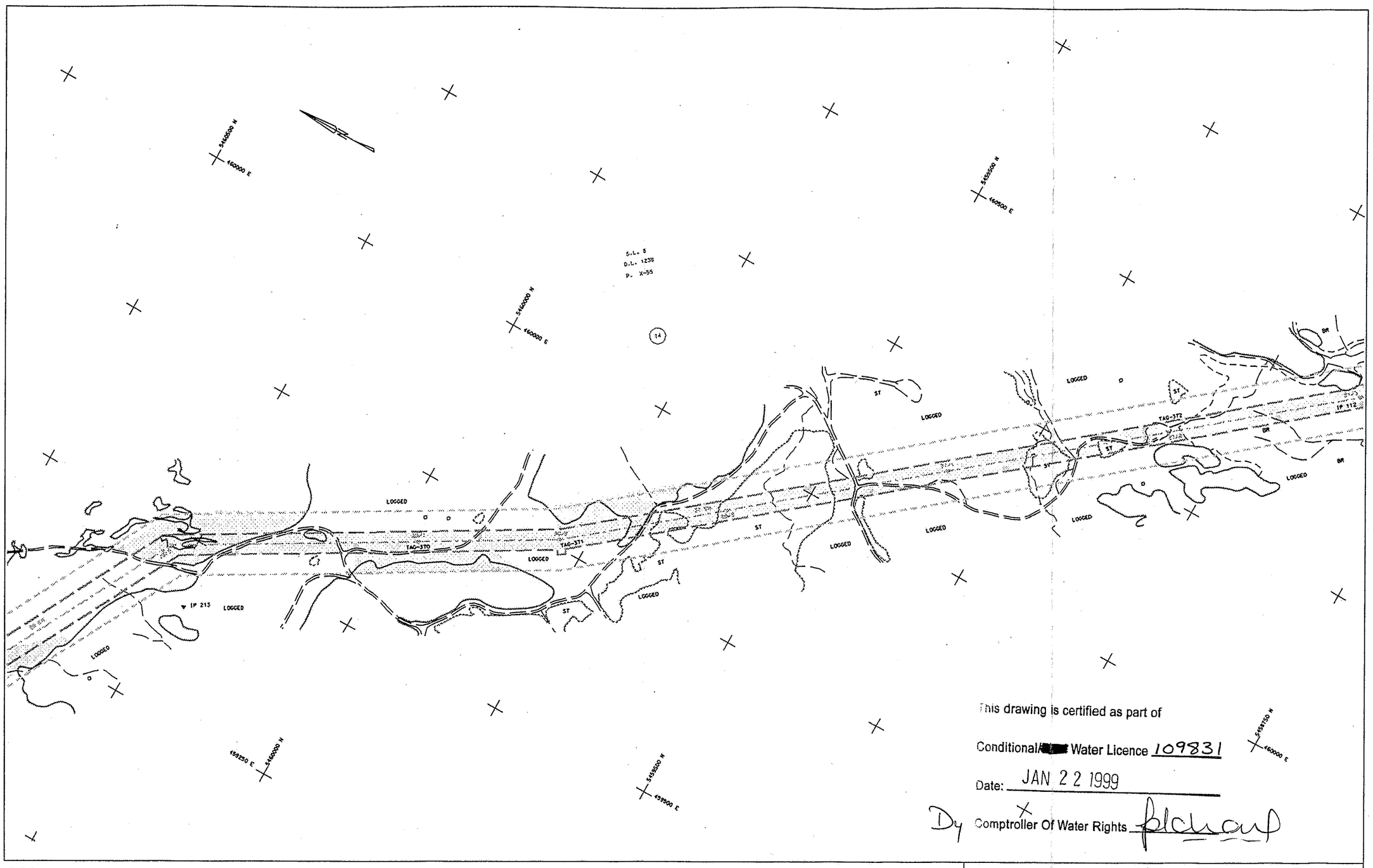
NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UNKNOWN.

Crown Land (12)
Private Land (34)

Proposed T/L Centreline & Structure — 1/1
Proposed Double Circuit C/L & Structure — 1/1
Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION		
KEENLEYSIDE 150 mW POWERPLANT PROJECT		
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L		
CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L
DATE NOV. 4. 1998	PHOTO SCALE 1:10.000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 12 OF 28
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT. / DWG. No. 2L289 - TOT - E14 / R. 0



This drawing is certified as part of

Conditional [redacted] Water Licence 109831

Date: JAN 22 1999

By Comptroller Of Water Rights

LEGEND

ROADS: Hard surface; Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / Trail
Building(s) / House / Barn / Silo
Ruin or Under Construction — U/C
Survey Control
Parking Area. Heliport
Railway. Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground); (under ground)

STEEL STRUCTURES: Rigid. Guyed. with attachments
WOODEN STRUCTURES: 3 poles. 2 poles. 1 pole. with attachments
CONDUCTOR LINES: Transmission. Distribution
Lamp standards. Road sign/Post/Rail switch
Microwave base. Satellite dish
Deflector. Riprap
Sites. Rock outcrop. Boulder
Cut / Fill / Embankment
Cutline
Pit / Dyke
Pile / Cliff / Escarpment

Lake / pond with High water line. Dry pond
River. Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond — BD
Falls. Rapids — FL RP
Marsh. Swamp — M
Wet area. Ditch with culvert
Wooded area. Small trees — ST
Single tree. Brush — BR
Hedge. Snag tree
Clearing. Small scattered trees — CL SST

Metres 100 0 100 200

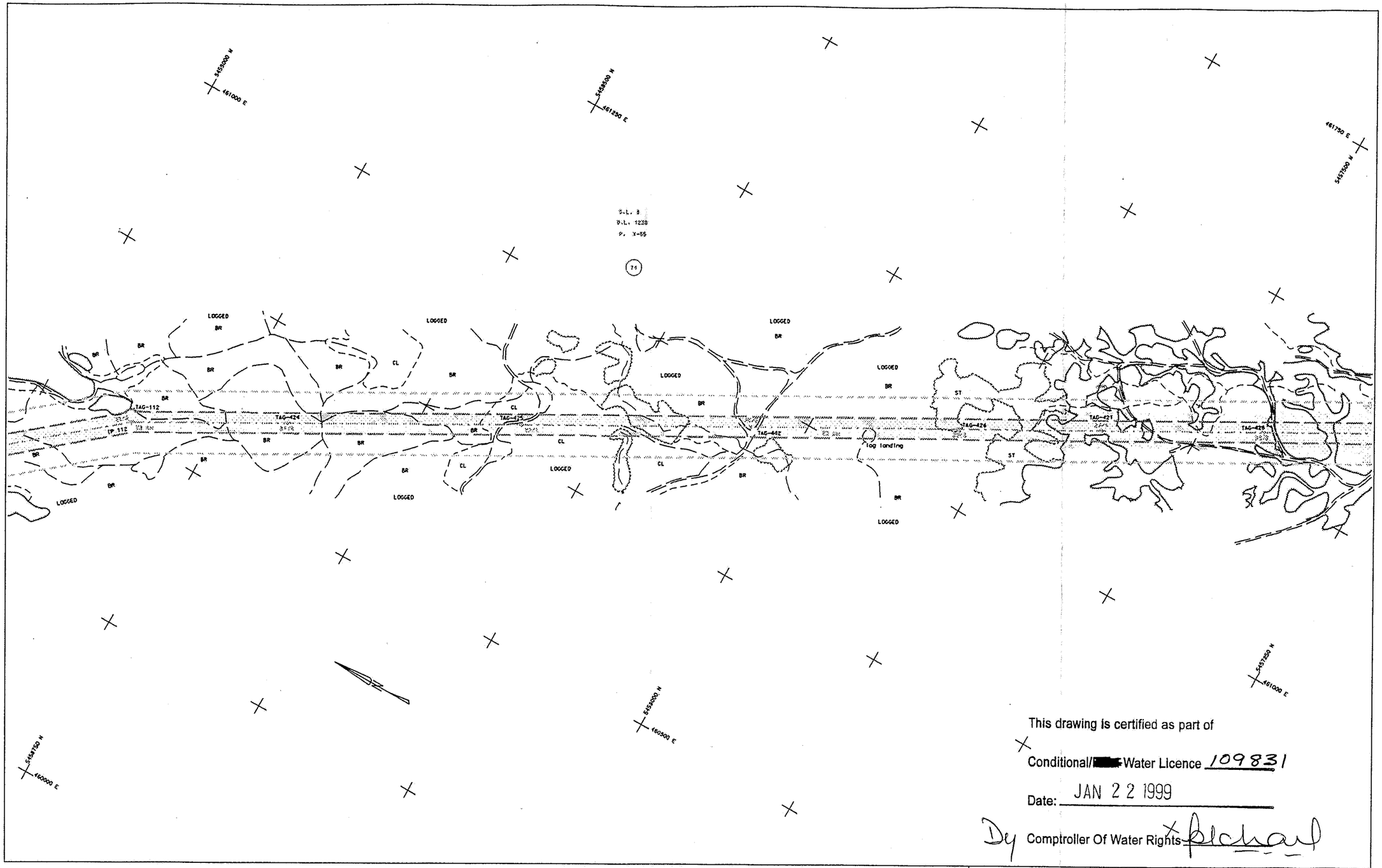
NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES.
THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UNKNOWN.

Crown Land (12)
Private Land (34)

Proposed T/L Centreline & Structure — 1/1
Proposed Double Circuit C/L & Structure — 1/1
Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION			
KEENLEYSIDE 150 mW POWERPLANT PROJECT			
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L			
CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT	
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L	
DATE NOV. 4. 1998	PHOTO SCALE 1:10.000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS	
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 13 OF 28	
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT.	DWG. No. 2L289 - TOT - E14 R. 0



This drawing is certified as part of

Conditional/[redacted] Water Licence 109831

Date: JAN 22 1999

Comptroller Of Water Rights

LEGEND

ROADS: Hard surface, Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / Trail
Building(s) / House / Barn / Silo
Ruin or Under Construction — U/C
Survey Control
Parking Area, Helipad
Railway, Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground), (under ground)

STEEL STRUCTURES: Rigid, Guyed, with attachments
WOODEN STRUCTURES: 3 poles, 2 poles, 1 pole, with attachments
CONDUCTOR LINES: Transmission, Distribution
Lamp standards, Road sign/post/bell button
Microwave base, Satellite dish
Dolloator, Riprap
Silos, Rock outcrop, Boulder — BC
Cut / Fill / Embankment
Cutline
Pit / Bank
Pile / Cliff / Escarpment

Lake / pond with high water line, Dry pond
River, Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond — BD
Falls, Rapids — FL, RP
Marsh, Swamp — M, L
Wet area, Ditch with culvert
Wooded area, Small trees — ST
Single tree, Brush — BR
Hedge, Snag tree
Clearing, Small scattered trees — CL, SST

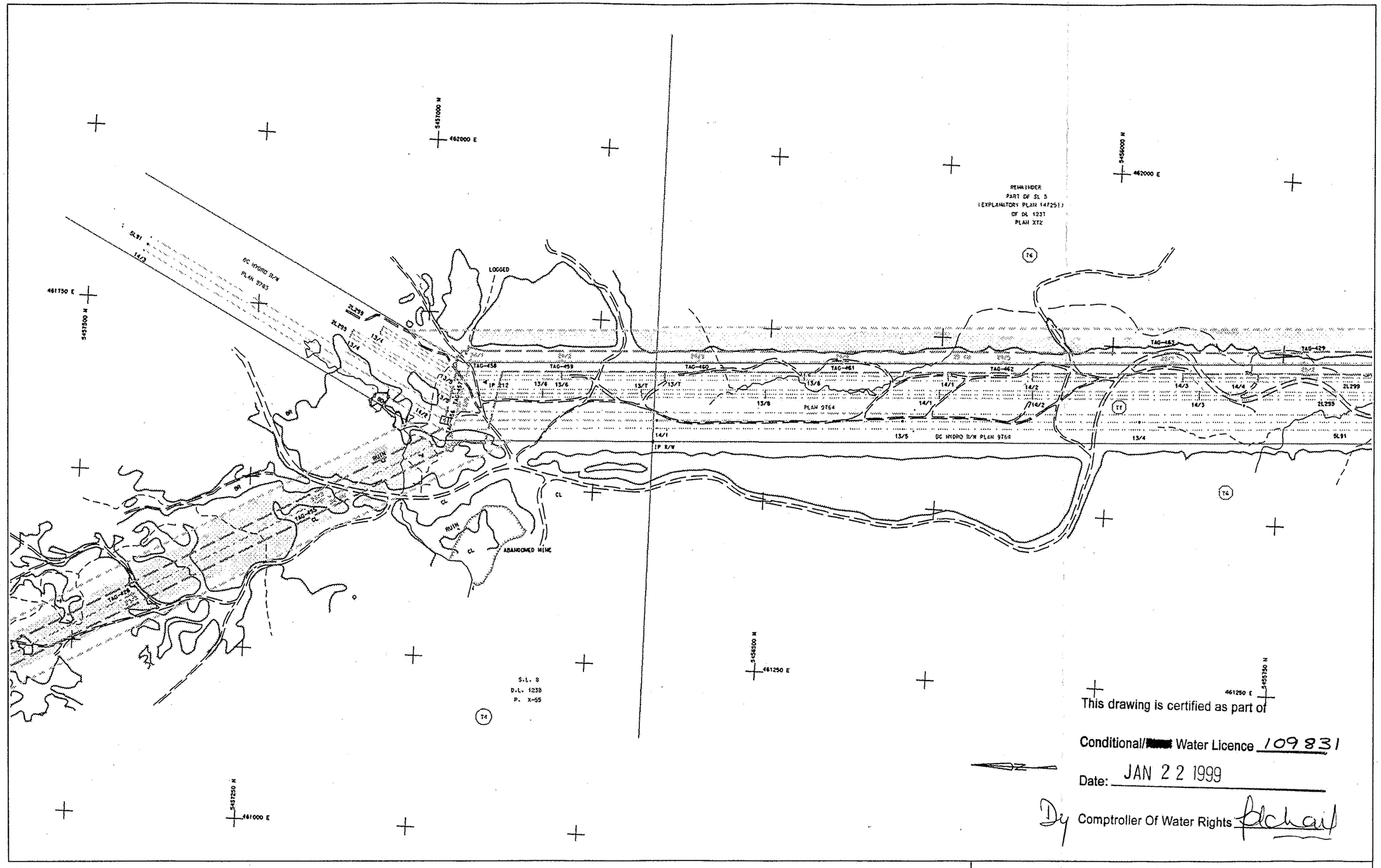
Metres 100 0 100 200

NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UKNOWN.

Proposed T/L Centreline & Structure — 1/1
Proposed Double Circuit C/L & Structure — 1/1
Crown Land (12) — Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Private Land (36) — Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION			
KEENLEYSIDE 150 mW POWERPLANT PROJECT			
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L			
CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT	
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L	
DATE NOV. 4. 1998	PHOTO SCALE 1:10.000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS	
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 14 OF 28	
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT.	DWG. No. 2L289 - TOT - E14	R. 0



This drawing is certified as part of

Conditional/[redacted] Water Licence 109831

Date: JAN 22 1999

Comptroller Of Water Rights

LEGEND

ROADS: Hard surface / Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / Trail
Building(s) / House / Barn / Silo
Ruin or Under Construction — U/C
Survey Control
Parking Area. Helipad
Railway. Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground). (under ground)

STEEL STRUCTURES: Rigid. Guyed. with attachments
WOODEN STRUCTURES: 3 pole. 2 pole. 1 pole. with attachments
CONDUCTOR LINES: Transmission. Distribution
Lamp standards. Road sign/post/bell switch
Microwave base. Satellite dish
Deflector. Riprap
Slide. Rock outcrop. Boulder
Cut / Fill / Embankment
Cutline
Pit / Dyke
Pile / Cliff / Escarpment

Lake / pond with high water line. Dry pond
River. Sandbar
Flat area
Creek with flat areas
Stream intermittent
Stream indefinite
Beaver dam on pond — BD
Falls. Rapids — FL RP
Marsh. Swamp — M
Wet area. Ditch with culvert — D
Wooded area. Small trees — ST
Single tree. Brush — BR
Hedge. Snag tree
Clearing. Small scattered trees — CL SST

Metres 100 0 100 200

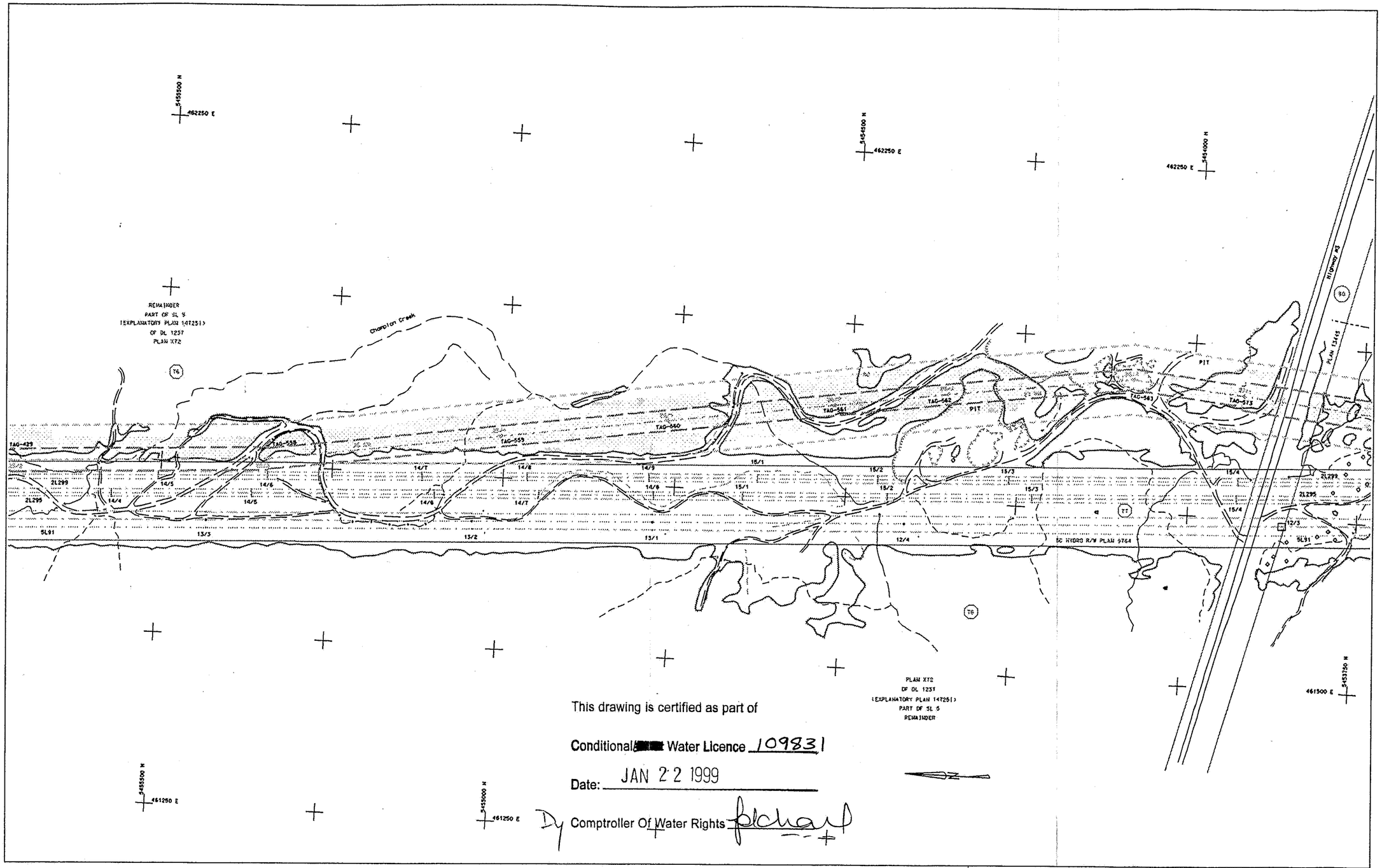
NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES.
THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UKNOWN.

Crown Land (12)
Private Land (34)

Proposed T/L Centreline & Structure — 1/1
Proposed Double Circuit C/L & Structure — 1/1
Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION			
KEENLEYSIDE 150 mW POWERPLANT PROJECT			
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L			
CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT	
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L	
DATE NOV. 4, 1998	PHOTO SCALE 1:10,000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS	
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 15 OF 28	
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT.	DWG. No. 2L289 - T07 - E14 R. 0



This drawing is certified as part of

Conditional [redacted] Water Licence 109831

Date: JAN 22 1999

By Comptroller Of Water Rights

LEGEND

ROADS: Hard surface, Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / Trail
Building(s) / House / Barn / Silo
Ruin or Under Construction — U/C
Survey Control
Parking Area, Helipad
Railway, Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground), (under ground)

STEEL STRUCTURES: Rigid, Guyed, with attachments
WOODEN STRUCTURES: 3 poles, 2 poles, 1 poles, with attachments
CONDUCTOR LINES: Transmission, Distribution
Lamp standards, Road sign/Post/Rail switch
Microwave base, Satellite dish
Deflector, Riprap
Silos, Rock outcrop, Boulder
Cut / Fill / Embankment
Cutline
Pit / Dyke
Pile / Cliff / Escarpment

Lake / pond with High water line, Dry pond
River, Sandbar
Flow arrow
Creek with flow arrow
Stream Intermittent
Stream Indefinite
Beaver dam on pond — BD
Falls, Rapids — FL, RP
Marsh, Swamp — M, S
Wet area, Birch with culvert
Wooded area, Small trees — ST
Single trees, Brush — BR
Hedge, Snag trees
Clearing, Small scattered trees — CL, SST

Metres 100 0 100 200

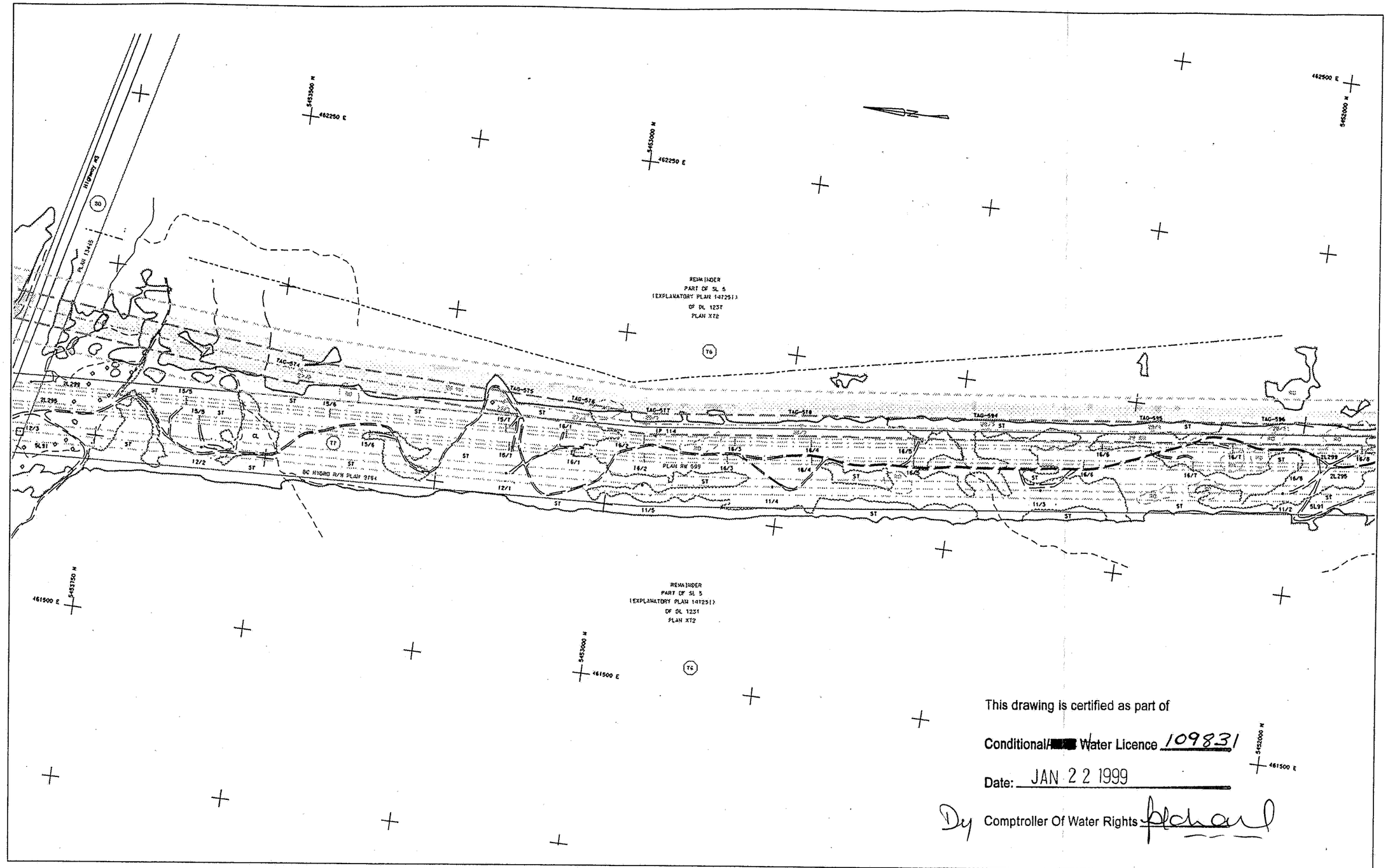
NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UNKNOWN.

Proposed T/L Centreline & Structure — 1/5
Proposed Double Circuit C/L & Structure — 1/1
Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

Crown Land (12)
Private Land (34)

DIGITAL MAP

COLUMBIA POWER CORPORATION		
KEENLEYSIDE 150 mW POWERPLANT PROJECT		
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L		
CHECKED	PROJECT No. KPP 9T	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L
DATE NOV. 4. 1998	PHOTO SCALE 1:10.000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 16 OF 28
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT. / DWG. No. 2L289 - TOT - E14 / R. 0



This drawing is certified as part of

Conditional/[redacted] Water Licence 109831

Date: JAN 22 1999

Dy Comptroller Of Water Rights

LEGEND

ROADS: Hard surface, Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / Trail
Building(s) / House / Barn / Silo
Ruin or Under Construction
Survey Control
Parking Area. Helipad
Railway. Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground). (under ground)
STEEL STRUCTURES: Rigid. Guyed. with attachments
WOODEN STRUCTURES: 3 poles. 2 poles. 1 pole. with attachments
CONDUCTOR LINES: Transmission. Distribution
Lamp standard. Road sign/Post/Rail switch
Microwave tower. Satellite dish
Deflector. Mirror
Silos. Rock outcrop. Boulder
Cut / Fill / Embankment
Cutline
Pit / Dyke
Pile / Cliff / Escarpment
Lake / pond with High water line. Dry pond
River. Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond
Falls. Rapids
Marsh. Swamp
Wet area. Ditch with culvert
Wooded area. Small trees
Single tree. Brush
Hedge. Snag tree
Clearing. Small scattered trees
BD
FL
RP
SB
SL
BR
ST
CL
SST

Metres 100 0 100 200

NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UKNOWN.

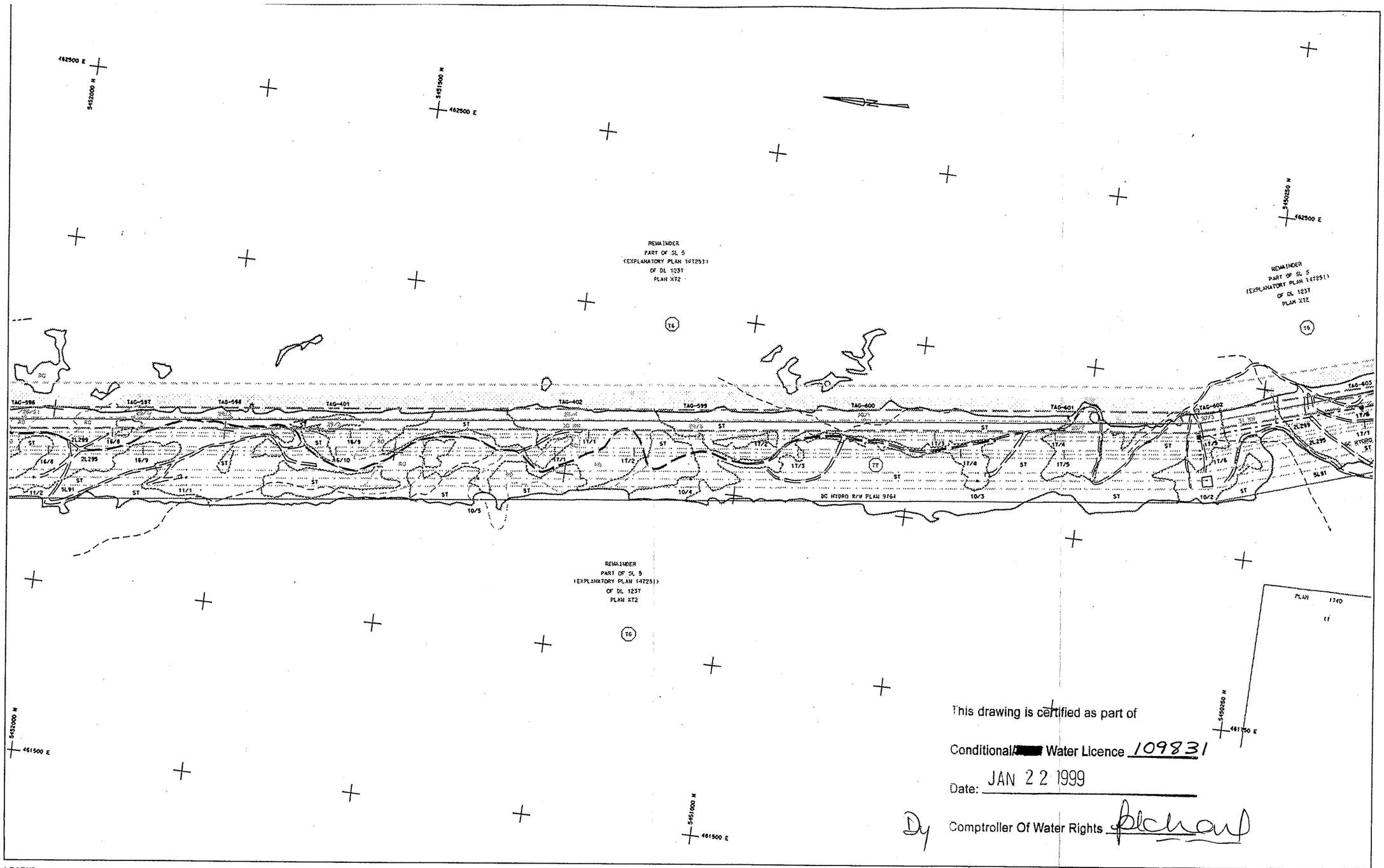
Crown Land (12)

Private Land (34)

Proposed T/L Centreline & Structure — 1/1
Proposed Double Circuit C/L & Structure — 1/1
Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION		
KEENLEYSIDE 150 mW POWERPLANT PROJECT		
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L		
CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L
DATE NOV. 4. 1998	PHOTO SCALE 1:10.000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 17 OF 28
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT. / DWG. No. 2L289 - T07 - E14 / R. 0



This drawing is certified as part of

Conditional [redacted] Water Licence 109831

Date: JAN 22 1999

Comptroller Of Water Rights

LEGEND

ROADS: Hard surface, Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / trail
Building(s) / House / Barn / Silo
Ruin or Under Construction — U/C
Survey Controls
Parking Area, Helipad
Railway, Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground), (under ground)
STEEL STRUCTURES: Rigid, Guyed, with attachment
WOODEN STRUCTURES: 3 poles, 2 poles, 1 pole, with attachments
CONDUCTOR LINES: Transmission, Distribution
Lamp standards, Road sign/post/Rail switch
Microwave base, Satellite dish
Outhouse, Ripraps
Silos, Rock outcrop, Boulder
Cut / Fill / Embankment
Cutline
Pit / hole
Pile / Cliff / Embankment
Lake / pond with high water line, Dry pond
River, Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond — BD
Falls, Rapids — FL, RP
Marsh, Swamp
Wet area, Ditch with culvert
Wooded area, Small trees — ST
Single tree, Brush — BR
Hedge, Snag tree
Clearing, Small scattered trees — CL, SST

Metres 100 0 100 200

NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UKNOWN.

Crown Land (12)

Private Land (34)

Proposed T/L Centreline & Structure — 1/5
Proposed Double Circuit C/L & Structure — 1/1
Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION		
KEENLEYSIDE 150 mW POWERPLANT PROJECT		
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L		
CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L
DATE NOV. 4. 1998	PHOTO SCALE 1:10,000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 18 OF 28
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT. / DWG. No. 2L289 - TOT - E14 / R. 0

REMAINDER
PART OF SL 5
(EXPLANATORY PLAN 14725I)
OF DL 1237
PLAN XT2

REMAINDER
PART OF SL 5
(EXPLANATORY PLAN 14725I)
OF DL 1237
PLAN XT2

PLAN 1740

PLAN 1740

PLAN 1740

PLAN 1534

PLAN 1534

PLAN 620

Hudu Creek

BRUSH CUTTING AREA

R/W PLAN 399

R/W PLAN 599

BC HYDRO R/W PLAN 3184

This drawing is certified as part of

Conditional/[redacted] Water Licence 109831

Date: JAN 22 1999

By Comptroller Of Water Rights

LEGEND

ROADS: Hard surface, Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / trail
Building(s) / House / Barn / Silo
Ruin or Under Construction
Survey Control
Parking Area, Helipad
Railway, Abandoned railway
Fence
Cemetery boundary
Pipeline (above ground), (under ground)

STEEL STRUCTURES: Single, Guyed, with attachments
WOODEN STRUCTURES: 3 pole, 2 pole, 1 pole, with attachments
CONDUCTOR LINES: Transmission, Distribution
Lamp standards, Road sign/Post/Mail box
Microwave base, Satellite dish
Deflector, Stanchion
Sites, Rock outcrop, Boulder
Cut / Fill / Embankment
Cutline
Pit / Dyke
Pile / Stiff / Embankment

Lake / pond with high water line, dry pond
River, Sandbar
Flow arrow
Creek with flow arrow
Stream Intermittent
Stream Indefinite
Beaver dam on pond
Falls, Rapids
Marsh, Swamp
Wet area, Ditch with culvert
Wooded area, Small trees
Single tree, Brush
Snags, Snag tree
Clearing, Small scattered trees

Metres 100 0 100 200

NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UNKNOWN.

Proposed T/L Centreline & Structure — 1/5
Proposed Double Circuit C/L & Structure — 1/1
Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

Crown Land (12)
Private Land (34)

DIGITAL MAP

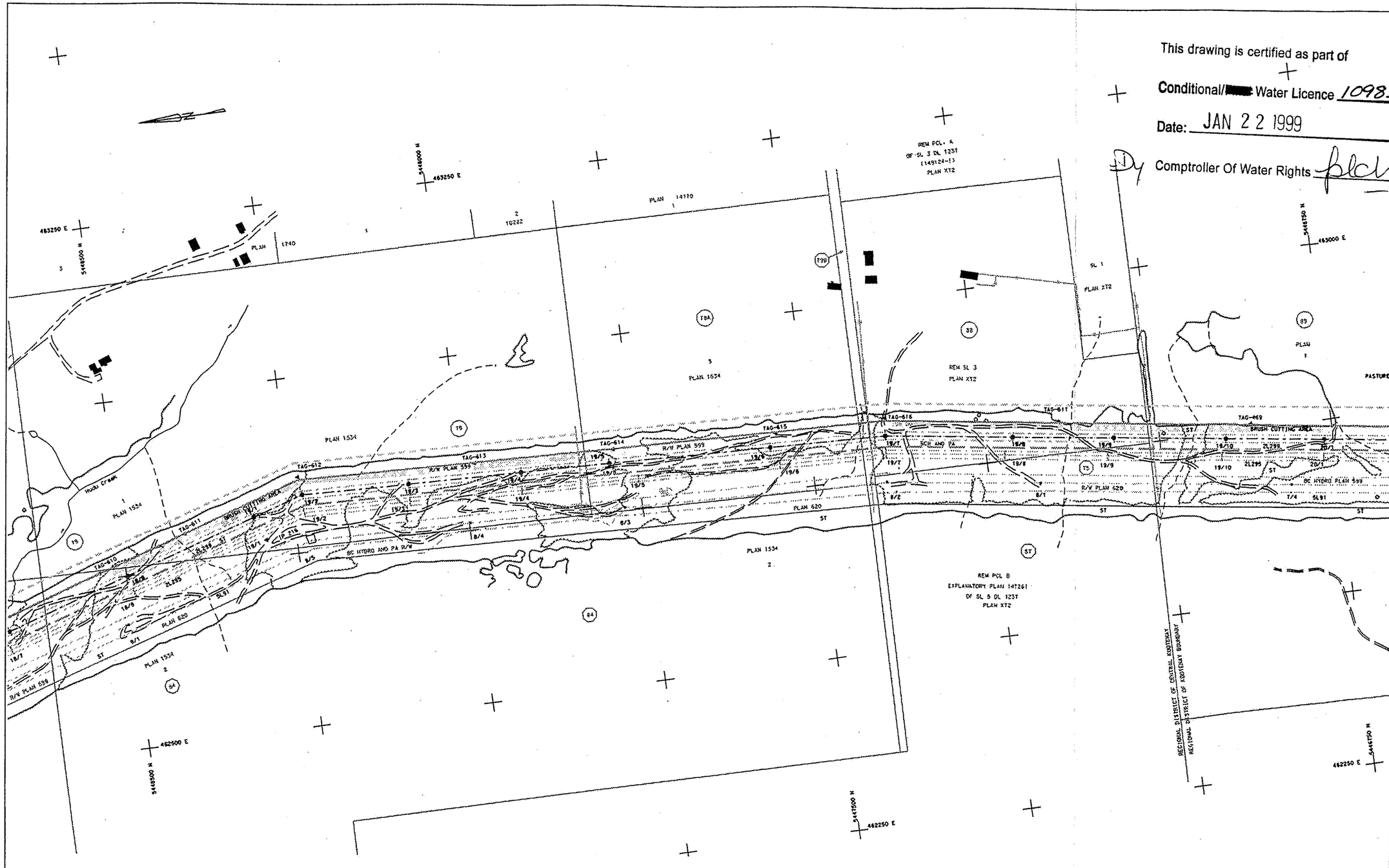
COLUMBIA POWER CORPORATION		
KEENLEYSIDE 150 mW POWERPLANT PROJECT		
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L		
CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L
DATE NOV. 4, 1998	PHOTO SCALE 1:10,000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 19 OF 28
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT. / DWG. No. 2L289 - TOT - E14 / R. 0

This drawing is certified as part of

Conditional/[redacted] Water Licence 109831

Date: JAN 22 1999

By Comptroller Of Water Rights



LEGEND

ROADS: Hard surface, Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / Trail
Buildings: House / Barn / Site
Ruin or Under Construction
Survey Control
Parking Area: Helipad
Railway, Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground), (under ground)

STEEL STRUCTURES: Rigid, Guyed, with attachment
WOODEN STRUCTURES: 3 poles, 2 poles, 1 pole, with attachments
CONDUCTOR LINES: Transmission, Distribution
Lamp standard, Road sign/post/call button
Microwave base, Satellite dish
Defiator, Riprap
Sites, Rock outcrop, Boulder
Cut / Fill / Embankment
Cutline
Pit / Dyke
Pile / Cliff / Escarpment

Lake / pond with high water line, Dry pond
River, Bender
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond
Falls, Rapids
Marsh, Swamp
Wet area, Ditch with culvert
Wooded area, Small trees
Single tree, Brush
Hedge, Snag tree
Clearing, Small scattered trees

Metres 100 0 100 200

NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UNKNOWN.

Crown Land (12)

Private Land (34)

Proposed T/L Centreline & Structure — 1/1
Proposed Double Circuit C/L & Structure — 1/1
Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION

KEENLEYSIDE 150 mW POWERPLANT PROJECT

KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L

CHECKED	PROJECT No. KPP 9T	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L
DATE NOV. 4. 1998	PHOTO SCALE 1:10,000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 20 OF 28
M.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT. / DWG. No. 2L289 - TOT - E14 / R. 0

This drawing is certified as part of

Conditional [redacted] Water Licence 109831

Date: JAN 22 1999

Dy Comptroller Of Water Rights

LEGEND

ROADS: Hard surface, Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / trail
Building(s) / House / Barn / Silo
Ruin or Under Construction
Survey Control
Parking Area, Helipad
Railway, Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground), (under ground)

STEEL STRUCTURES: Rigid, Guyed, with attachments
WOODEN STRUCTURES: 3 poles, 2 poles, 1 pole, with attachments
CONDUCTOR LINES: Transmission, Distribution
Lamp standards, Road sign/post/bell pattern
Microwave base, Satellite dish
Deflector, Micro
Silos, Rock outcrop, Boulder
Cut / Fill / Embankment
Cutline
Pit / Dyke
Pile / Cliff / Escarpment

Lake / pond with high water line, Dry pond
River, Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond
Falls, Rapids
Marsh, Swamp
Wet area, Ditch with culvert
Wooded area, Small trees
Single tree, Brush
Hedge, Snag tree
Clearing, Small scattered trees

Metres 100 0 100 200

NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UKNOWN.

Crown Land (12)
Private Land (33)

Proposed T/L Centreline & Structure
Proposed Double Circuit C/L & Structure
Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure
Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION		
KEENLEYSIDE 150 mW POWERPLANT PROJECT		
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L		
CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L
DATE NOV. 4, 1998	PHOTO SCALE 1:10,000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 21 OF 28
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT. / DWG. No. 2L289 - T07 - E14 / R. 0

This drawing is certified as part of

Conditional/[redacted] Water Licence 109831

Date: JAN 22 1999

Comptroller Of Water Rights

LEGEND

ROADS: Hard surface, Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / trail
Building(s) / House / Barn / Site
Ruin or Under Construction — U/C
Survey Control
Parking Area: Helipad
Railway, Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground), Under ground

STEEL STRUCTURES: Single, Guyed, with guyed-anchors
WOODEN STRUCTURES: 3 pole, 2 pole, 1 pole, with attachments
CONDUCTOR LINES: Transmission, Distribution
Lamp standard, Road sign/post/bell switch
Microwave base, Satellite dish
Deflector, Riprap
Sites, Rock outcrop, Boulder
Cut / Fill / Embankment
Cutline
Pit / Dump
Pile / Gully / Escarpment

Lake / pond with high water line, Dry pond
River, Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond — BD
Falls, Rapids — FL, RPI
Marsh, Swamp
Wet area, Ditch with culvert
Wooded area, Small trees
Single tree, Brush — BR, ST
Hedge, Snag tree
Clearing, Small scattered trees — CL, SST

Metres 100 0 100 200

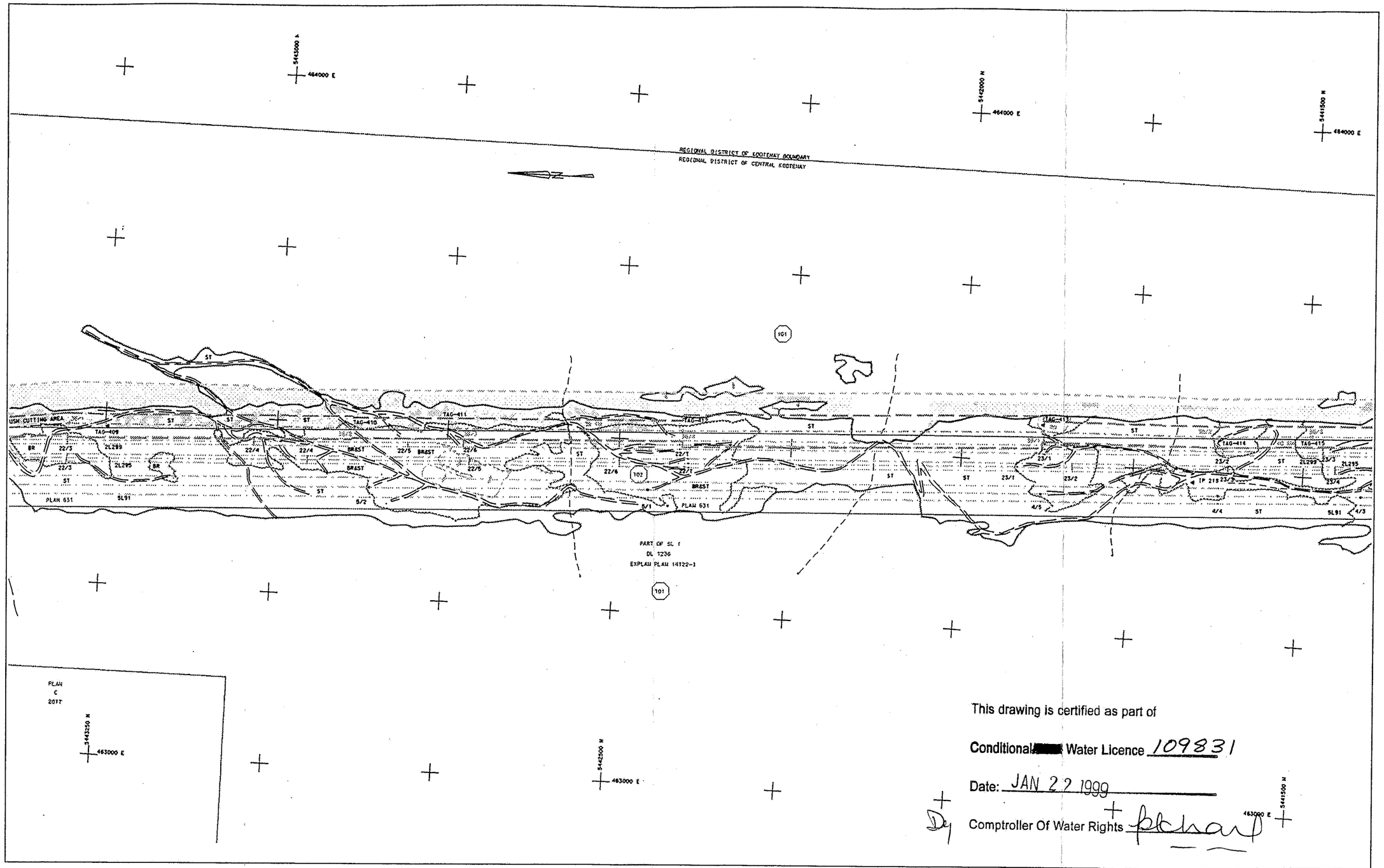
NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UKNOWN.

Crown Land (12)
Private Land (34)

Proposed T/L Centreline & Structure — 1/5
Proposed Double Circuit C/L & Structure — 1/1
Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION		
KEENLEYSIDE 150 mW POWERPLANT PROJECT		
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L		
CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L
DATE NOV. 4. 1998	PHOTO SCALE 1:10.000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 22 OF 28
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT. / DWG. No. 2L289 - TOT - E14 / R. 0



This drawing is certified as part of

Conditional [redacted] Water Licence 109831

Date: JAN 22 1999

Comptroller Of Water Rights

LEGEND

ROADS: Hard surface, Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / trail
Building(s) / House / Barn / Silo
Ruin or Under Construction
Survey Control
Parking Area, Helipad
Railway, Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground), (under ground)

STEEL STRUCTURES: Rigid, Guyed, with attachment
WOODEN STRUCTURES: 3 pole, 2 pole, 1 pole, with attachment
CONDUCTOR LINES: Transmission, Distribution
Lamp standard, Road sign/Post/Bell pulloh
Microwave base, Satellite dish
Deflector, Mirror
Slide, Rock outcrop, Boulder
Cut / Fill / Embankment
Cutline
Pit / Dyke
Pile / Cliff / Escarpment

Lake / pond with high water line, Dry pond
River, Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond
Falls, Rapids
Marsh, Swamp
Wet area, Ditch with culvert
Wooded area, Small trees
Single tree, Brush
Snags, Snag tree
Clearing, Small scattered trees

Metres 100 0 100 200

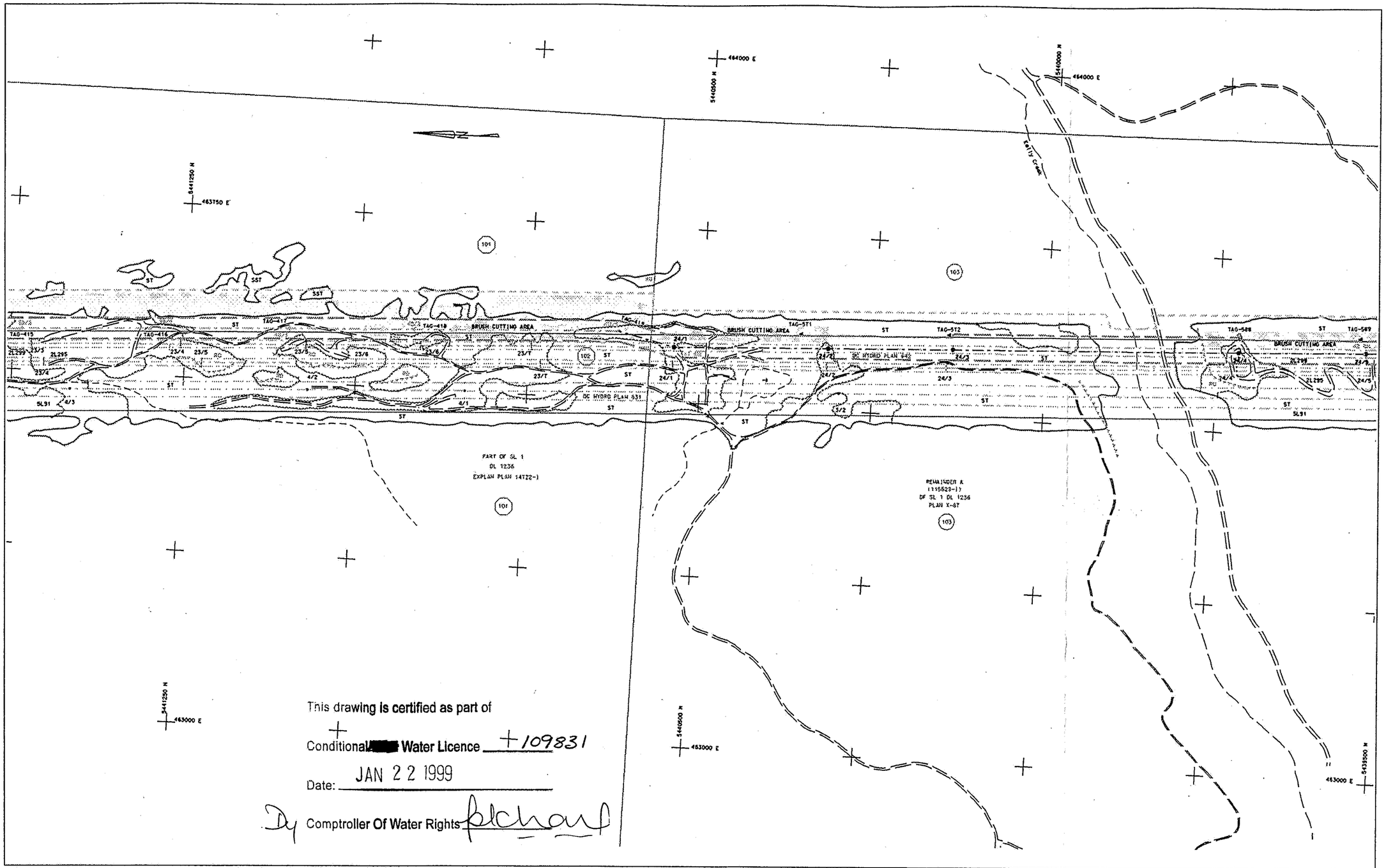
NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UKNOWN.

Crown Land (12)
Private Land (34)

Proposed T/L Centreline & Structure — 1/2
Proposed Double Circuit C/L & Structure — 1/1
Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION		
KEENLEYSIDE 150 mW POWERPLANT PROJECT		
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L		
CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L
DATE NOV. 4. 1998	PHOTO SCALE 1:10,000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 23 OF 28
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT. - / DWG. No. 2L289 - TOT - E14 / R. 0



This drawing is certified as part of

Conditional [redacted] Water Licence #109831

Date: JAN 22 1999

By Comptroller Of Water Rights

LEGEND

PONDS: Hard surface, Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trails
Abandoned access road / Trail
Building(s) / House / Barn / Silo
Ruin or Under Construction
Survey Control
Parking Area, Helipad
Railway, Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground), (under ground)
STEEL STRUCTURES: Rigid, Guyed, with attachments
WOODEN STRUCTURES: 3 poles, 2 poles, 1 pole, with attachments
CONDUCTOR LINES: Transmission, Distribution
Lamp standards, Road sign/Post/Bell pulley
Microwave tower, Satellite dish
Deflector, Mirror
Slide, Rock outcrop, Boulder
Cut / Fill / Embankment
Cutline
Pit / Dyke
Pile / Cliff / Escarpment
Lake / pond with high water line, Dry pond
River, Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond
Falls, Rapids
Marsh, Swamp
Wet area, Ditch with culvert
Wooded area, Small trees
Single tree, Brush
Hedge, Snag tree
Clearing, Small scattered trees

Metres 100 0 100 200

NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UKNOWN.

Crown Land (12)

Private Land (34)

Proposed T/L Centreline & Structure 1/5
Proposed Double Circuit C/L & Structure 1/1
Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure 1/1
Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION			
KEENLEYSIDE 150 mW POWERPLANT PROJECT			
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L			
CHECKED	PROJECT No. KPP 9T	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT	
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L	
DATE NOV. 4, 1998	PHOTO SCALE 1:10,000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS	
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 24 OF 28	
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT.	DWG. No. 2L289 - T07 - E14 R. 0

REGIONAL DISTRICT OF KOOTENAY BOUNDARY
REGIONAL DISTRICT OF CENTRAL KOOTENAY

5439500 N
464000 E
5438000 N
463250 E
463000 E

Smith Brook

BRUSH CUTTING AREA
BC HYDRO PLAN 642
REMAINDER A (115528-1) OF SL 1 DL 1236 PLAN X-67

This drawing is certified as part of

Conditional [redacted] Water Licence 109831

Date: JAN 22 1999

Comptroller Of Water Rights

LEGEND

ROADS: Hard surface, Loose surface / Shoulder
SECONDARY ROADS: Square / Logging / Track
Abandoned access road / trail
Building(s) / House / Barn / Silo
Ruin or Under Construction
Survey Control
Parking Area, Mailbox
Railway, Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground), (under ground)
STEEL STRUCTURES: Rigid, Guyed, with attachments
WOODEN STRUCTURES: 3 poles, 2 poles, 1 pole, with attachments
CONDUCTOR LINES: Transmission, Distribution
Lamp standard, Road sign/post/bell switch
Microwave tower, Satellite dish
Deflector, Riprap
Silos, Rock outcrop, Boulder
Cut / Fill / Embankment
Cutline
Pit / Dyke
Pile / Cliff / Escarpment
Lake / pond with high water line, Dry pond
River, Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond
Falls, Rapids
Marsh, Swamp
Wet area, Ditch with culvert
Wooded area, Small trees
Single tree, Brush
Hedge, Snag tree
Clearing, Small scattered trees

Metres 100 0 100 200

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Crown Land (12)
Private Land (34)

Proposed T/L Centreline & Structure — 1/5
Proposed Double Circuit C/L & Structure — 1/1
Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION		
KEENLEYSIDE 150 mW POWERPLANT PROJECT		
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L		
CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L
DATE NOV. 4. 1998	PHOTO SCALE 1:10,000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 25 OF 28
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT. / DWG. No. 2L289 - T07 - E14 / R. 0

464000 E
5437500 N
REGIONAL DISTRICT OF KOOTENAY BOUNDARY
REGIONAL DISTRICT OF CENTRAL KOOTENAY
5435000 N
463500 E
5435500 N
463500 E
103
REMAINDER A
(115529-1)
OF SL 1 DL 1236
PLAN X-67
104 UNSURVEYED CROWN LAND
TAG-583
TAG-584
BRUSH CUTTING AREA
TAG-585
TAG-586
TAG-430
TAG-587
TAG-431
TAG-432
ST
25/1
25/2
25/3
25/4
25/5
25/6
25/7
25/8
25/9
26/1
26/2
26/3
26/4
26/5
26/6
2L299
2L295
2L290
9L91
BRESST
2/1
2/2
1/6
1/5
1/4
1/3
1/2
1/1
BC HYDRO PLAN 842
BC HYDRO PLAN 9554
REMAINDER A
(115528-1)
OF SL 1 DL 1236
PLAN X-67
103
104 UNSURVEYED CROWN LAND
DL 12465
5437000 N
463000 E
5437500 N
463000 E
5438250 N
462750 E
0 E

This drawing is certified as part of

Conditional Water Licence 109831

Date: JAN 22 1999

Comptroller Of Water Rights

LEGEND

ROADS: hard surface, Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trails
Abandoned access road / trail
Building(s) / House / Barn / Silo
Ruin or Under Construction — U/C
Survey Control
Parking Area. Helipad
Railway. Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground), (under ground)

STEEL STRUCTURES: Rigid. Guyed. with attachments
WOODEN STRUCTURES: 3 poles. 2 poles. 1 pole. with attachments
CONDUCTOR LINES: Transmission. Distribution
Lamp standard. Road sign/post/Rail switch
Microwave tower. Satellite dish
Deflector. Riprap
Silos. Rock outcrop. Boulder
Cut / Fill / Embankment
Cutline
Pit / hole
Pile / Cliff / Escarpment

Lake / pond with high water line. Dry pond
River. Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond — BD
Falls. Rapids — FL RP
Marsh. Swamp
Wet area. Ditch with culvert
Wooded area. Small trees
Single tree. Brush — BR ST
Hedge. Snag tree
Clearing. Small scattered trees — CL SST

Metres 100 0 100 200

NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UKNOWN.

Crown Land (12)
Private Land (34)

Proposed T/L Centreline & Structure — 1/5
Proposed Double Circuit C/L & Structure — 1/1
Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure — 1/1
Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION			
KEENLEYSIDE 150 mW POWERPLANT PROJECT			
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L			
CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT	
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L	
DATE NOV. 4. 1998	PHOTO SCALE 1:10.000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS	
GRID ORIGIN UTM Z11/NAD83	DATUM: GEODETIC	SHEET 26 OF 28	
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT.	DWG. No. 2L289 - TOT - E14 R. 0

This drawing is certified as part of

Conditional [redacted] Water Licence 109831

Date: JAN 22 1999

By Comptroller Of Water Rights

LEGEND

ROADS: Hard surface, Loose surface / Shoulder
SECONDARY ROADS: Access / Logging / Trail
Abandoned access road / trail
Building(s) / House / Barn / Silo
Ruin or Under Construction
Survey Control
Parking Area, Helipad
Railway, Abandoned railway
Fence
Cadastral boundary
Pipeline (above ground), (under ground)
STEEL STRUCTURES: Rigid, Guyed, with attachments
WOODEN STRUCTURES: 3 poles, 2 poles, 1 pole, with attachments
CONDUCTOR LINES: Transmission, Distribution
Lamp standards, Road sign/Post/Bell pattern
Microwave base, Satellite dish
Deflector, Riprap
Sites, Rock outcrop, Boulder
Cut / Fill / Embankment
Cutline
Pit / Dyke
Pile / Cliff / Escarpment
Lake / pond with high water line, Dry pond
River, Sandbar
Flow arrow
Creek with flow arrow
Stream intermittent
Stream indefinite
Beaver dam on pond
Falls, Rapids
Marsh, Swamp
Wet area, Bush with culvert
Wooded area, Small trees
Single tree, Brush
Hedge, Snag tree
Clearing, Small scattered trees

Metres 100 0 100 200

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Crown Land (12)

Private Land (34)

Proposed T/L Centreline & Structure

Proposed Double Circuit C/L & Structure

Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure

Proposed Initial Clearing

Electrical Clearance Boundary

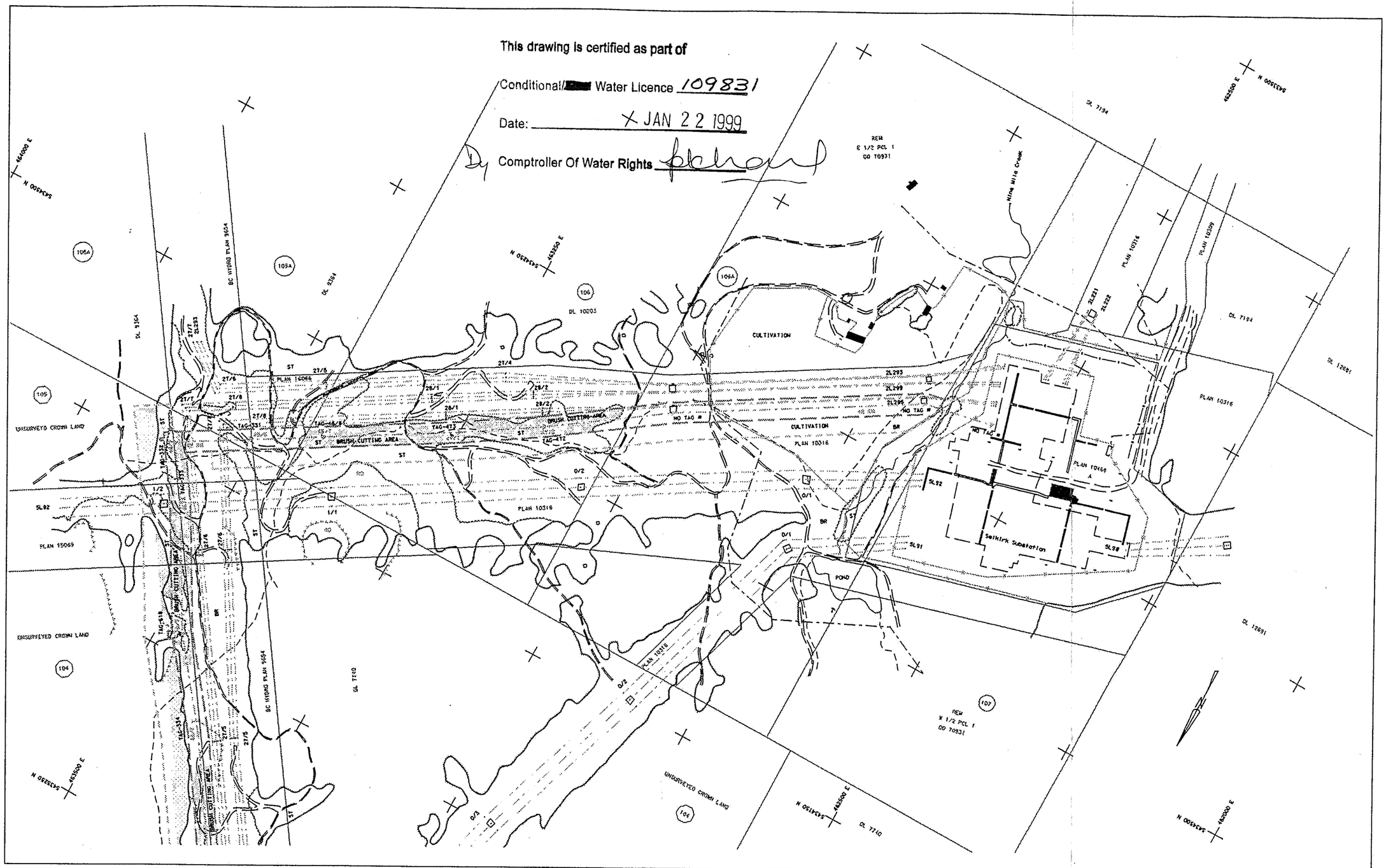
Tree Management Zone

DIGITAL MAP

COLUMBIA POWER CORPORATION		
KEENLEYSIDE 150 mW POWERPLANT PROJECT		
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 kV T/L		
CHECKED	PROJECT No. KPP 97	BChydro SURVEY and PHOTOGRAMMETRY DEPARTMENT
INSPECTED	PHOTO DATE OCT. 1995	KEENLEYSIDE 150mW POWERPLANT - SELKIRK 230 kV T/L
DATE NOV. 4, 1998	PHOTO SCALE 1:10,000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC	SHEET 27 OF 28
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT. / DWG. No. 2L289 - TOT - E14 / R. 0

This drawing is certified as part of

Conditional/[redacted] Water Licence 109831

Date: X JAN 22 1999

By Comptroller Of Water Rights