



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.

- (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



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

<u>Title number</u>	<u>PID number</u>	<u>Land description</u>
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



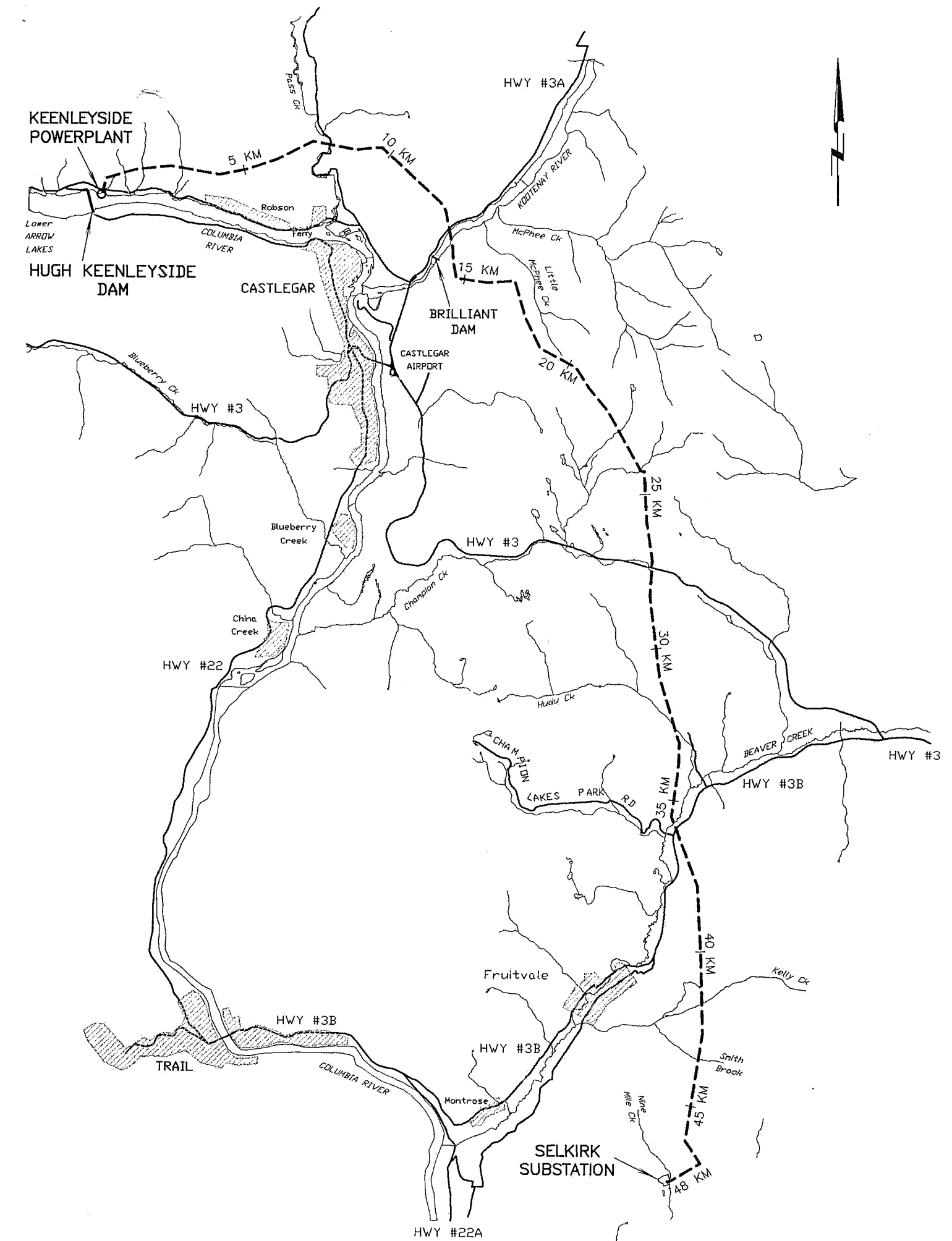
Schedule B - List of Drawings showing Transmission Line

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
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dwg No. 2L289 - T07 - E14 - Sheet 12 of 28
dwg No. 2L289 - T07 - E14 - Sheet 13 of 28
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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. Khare
Deputy Comptroller of Water Rights

Plan 1 of 2



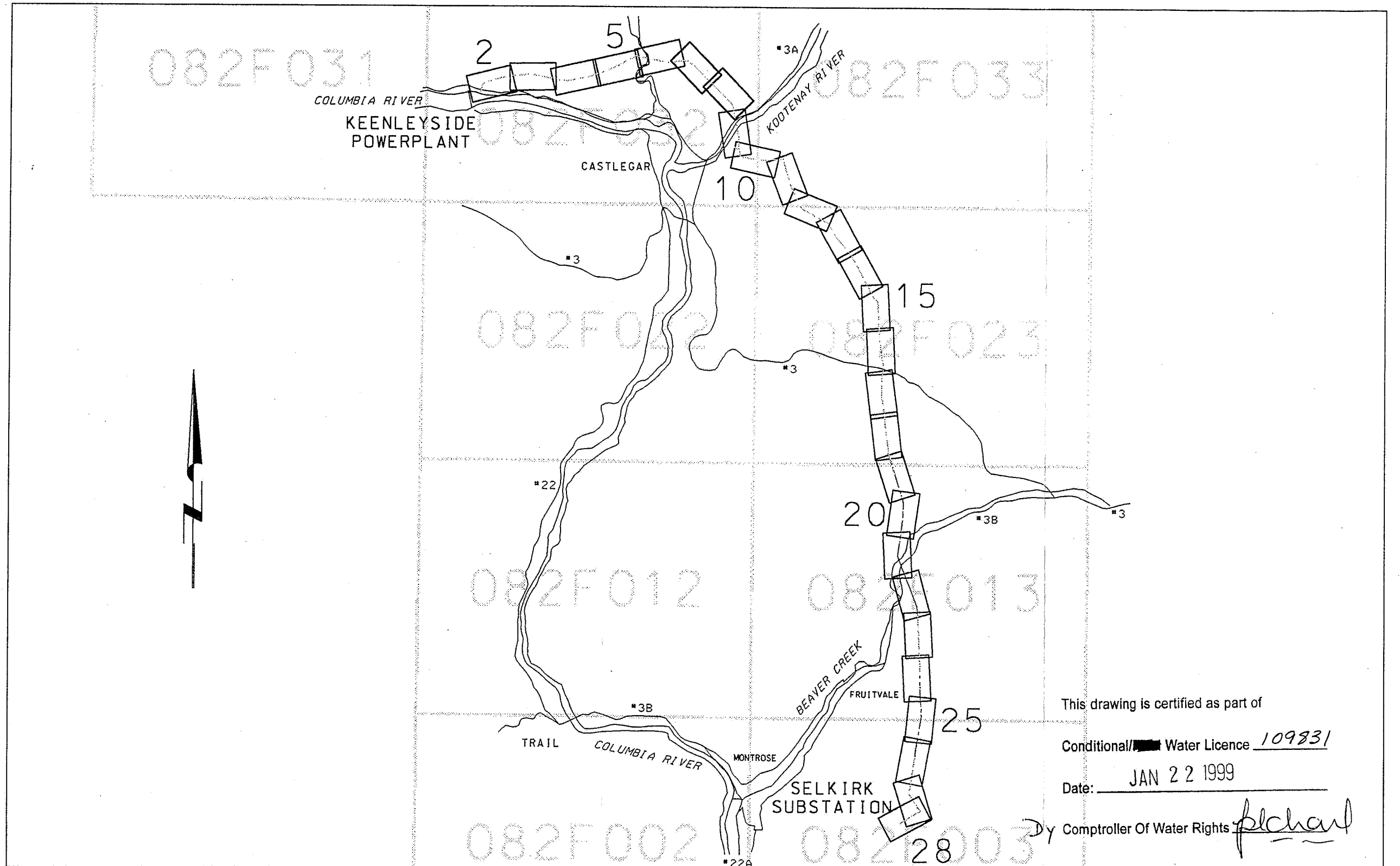
WATER DISTRICT : NELSON
 LAND DISTRICT : KOOTENAY

LEGEND

Scale :
 Transmission Line :

Signature:
 Date: Jan 22/99
 Rights

CL 109831
 PLAN 2
 File: 4002641



This drawing is certified as part of

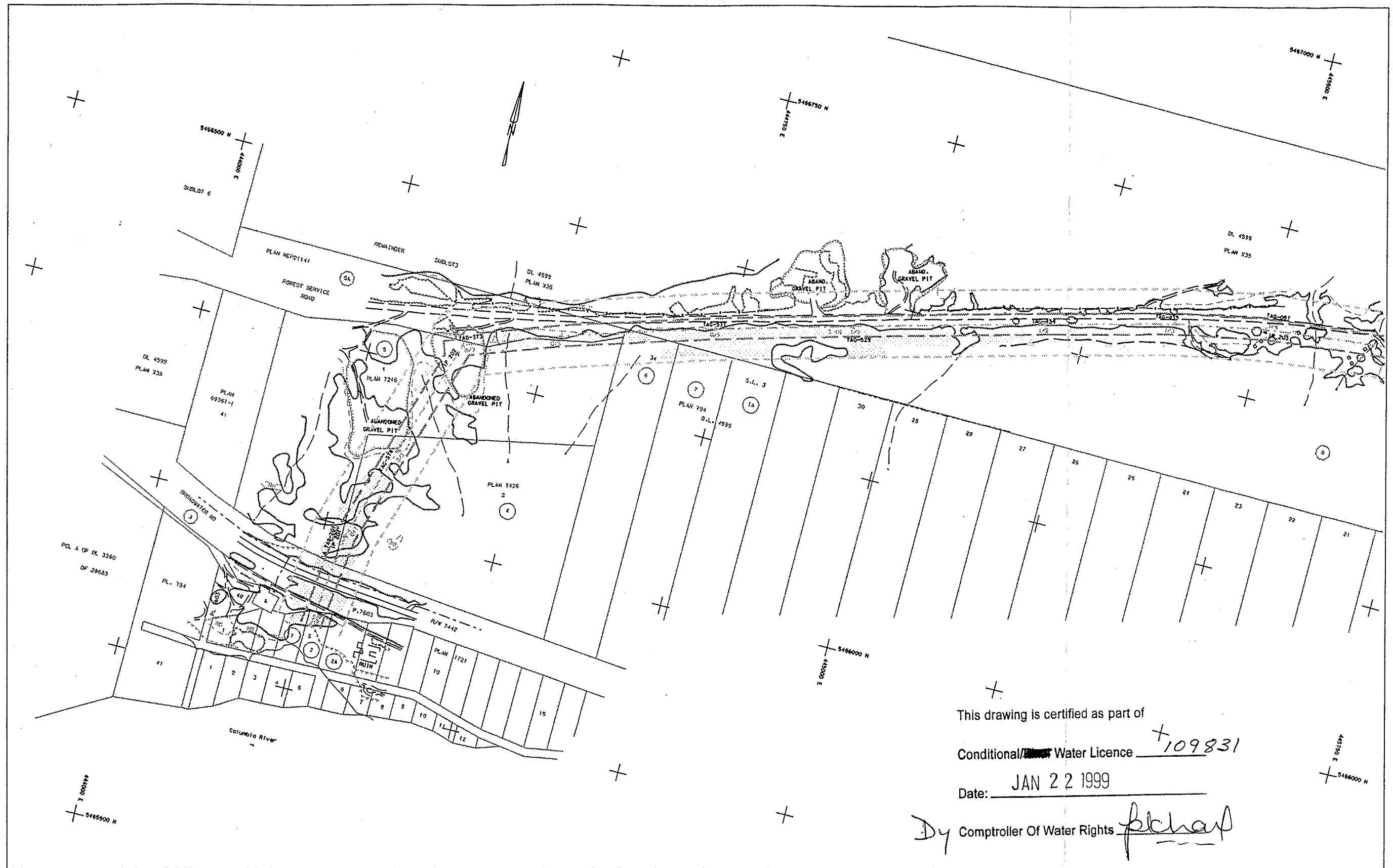
Conditional/ ~~Water~~ Licence 109831

Date: JAN 22 1999

By Comptroller Of Water Rights *[Signature]*

DIGITAL MAP

COLUMBIA POWER CORPORATION			
KEENLEYSIDE 150 mW POWERPLANT PROJECT			
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 KV T/L			
CHECKED	PROJECT NO.	BChydro	
	KPP 97	SURVEY and PHOTOGRAMMETRY DEPARTMENT	
INSPECTED	PHOTO DATE	OCT. 1995	
DATE	PHOTO SCALE	NOV. 4, 1998 1:10000	
GRID ORIGIN	DATUM	Z11/ WAD83 GEODETIC	
N.T.S.	DWG. SCALE	82 F	
CONTOUR INT.		DWG. No.	2L289 - T07 - E14
		SHEET	1 OF 28



This drawing is certified as part of
 Conditional/~~Water~~ Water Licence 109831
 Date: JAN 22 1999

Dy Comptroller Of Water Rights *plchap*

LEGEND

PODS: More surface / Loose surface / Shallow / Secondary Roads: Access / Logging / Track / Abandoned access road / trail / Building / House / Barn / Silo / Ruin or Under Construction / Survey Control / Parking Area: Wellhead / Railway, Abandoned railway / Fence / Pipeline (above ground) / Pipeline (under ground)

STEEL STRUCTURES: Single, Dugout, with attachment / WOODEN STRUCTURES: 3 pole, 2 pole, 1 pole, with attachment / CONDUCTOR LINES: Transposition, Bisection / Low standard: Road sign/post/bell bottom / Microwave base: Satellite dish / Deflector: Radar / Slide: Rock outcrop: Boulder / Cut / Fill / Embankment / Outline / Pile / Pole / Easement

Lake / pond with high water line / Dry pond / River, channel / Flow arrow / Creek with flow arrow / Swamp / Interdiction / Stream / Interdiction / Paper dam on pond / Falls: Rapid / Marshy: Swamp / Wet area: Bitum with culvert / Wooded area: Small trees / Single tree: Brush / Hedge: Shag tree / 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 UNKNOWN.

Crown Land (12)
 Private Land (34)

Metres 100 0 100 200

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

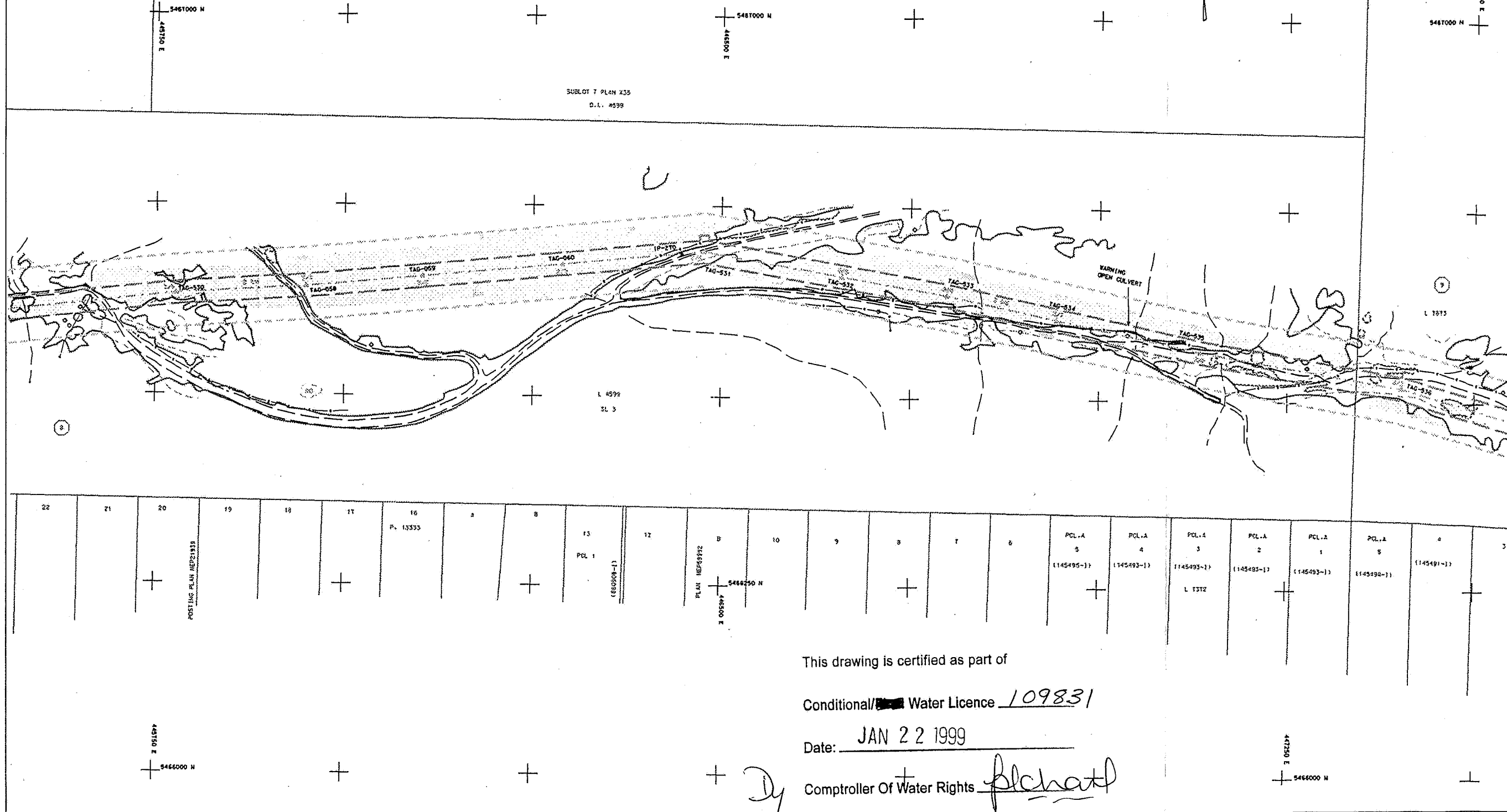
COLUMBIA POWER CORPORATION

KEENLEYSIDE 150 MW POWERPLANT PROJECT

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

CHECKED	PROJECT No.	BChydro
INSPECTED	PHOTO DATE	SURVEY and PHOTOGRAMMETRY DEPARTMENT
DATE	PHOTO SCALE	KEENLEYSIDE 150MW POWERPLANT - SELKIRK 230 KV T/L
NOV. 4, 1998	1:10,000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
GRID ORIGIN	DATUM	SHEET 02 OF 28
UTM	GEODETIC	
Z11/NAD83		
N.T.S.	DWG. SCALE	CONTOUR INT.
82 F	1:2500	DWG. No.
		2L289 - TOT - E14

DL 4539
PLAN X35
(SCALE FOR BORDON PIT)



This drawing is certified as part of

Conditional/ ~~Water~~ Licence 109831

Date: JAN 22 1999

Comptroller Of Water Rights *[Signature]*

LEGEND

ROADS: hard surface.....
Loose surface / Shoulder.....
SECONDARY ROADS: Access / Loading /
Track.....
Abandoned road / Trench.....
Buildings / House / Barn / Silo.....
Bulk or Under Construction.....
Survey Control.....
Parking Area, Hatched.....
Railway, Abandoned railway.....
Fence.....
Cadastral boundary.....
Pipeline (above ground):
(under ground):

STEEL STRUCTURES: Single, Double,
with attachments.....
WOODEN STRUCTURES: 3 pole, 2 pole, 1 pole,
with attachments.....
CONDUCTOR LINES: Transmission,
Distribution.....
Low standard: Road sign/Post/Rail section.....
Microwave base, Satellite dish.....
Deflector, Eductor.....
Silo, Tank, outcrop, Boulder.....
Cut / Fill / Embankment.....
Outline.....
Pit / Dike.....
Pile / Crib / Logramp.....

Lake / pond with high water line,
dry pond.....
River, Sandbar.....
Flow arrow.....
Creek with flow arrow.....
Stream, Intersecting stream.....
Stream, Inlet.....
Power dam on pond.....
Falls, Rapids.....
Marsh, Swamp.....
Wet area, Blotch with culvert.....
Wooded area, Small trees.....
Single tree, Bush.....
Hedge, Snap trap.....
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 UNKNOWN.

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

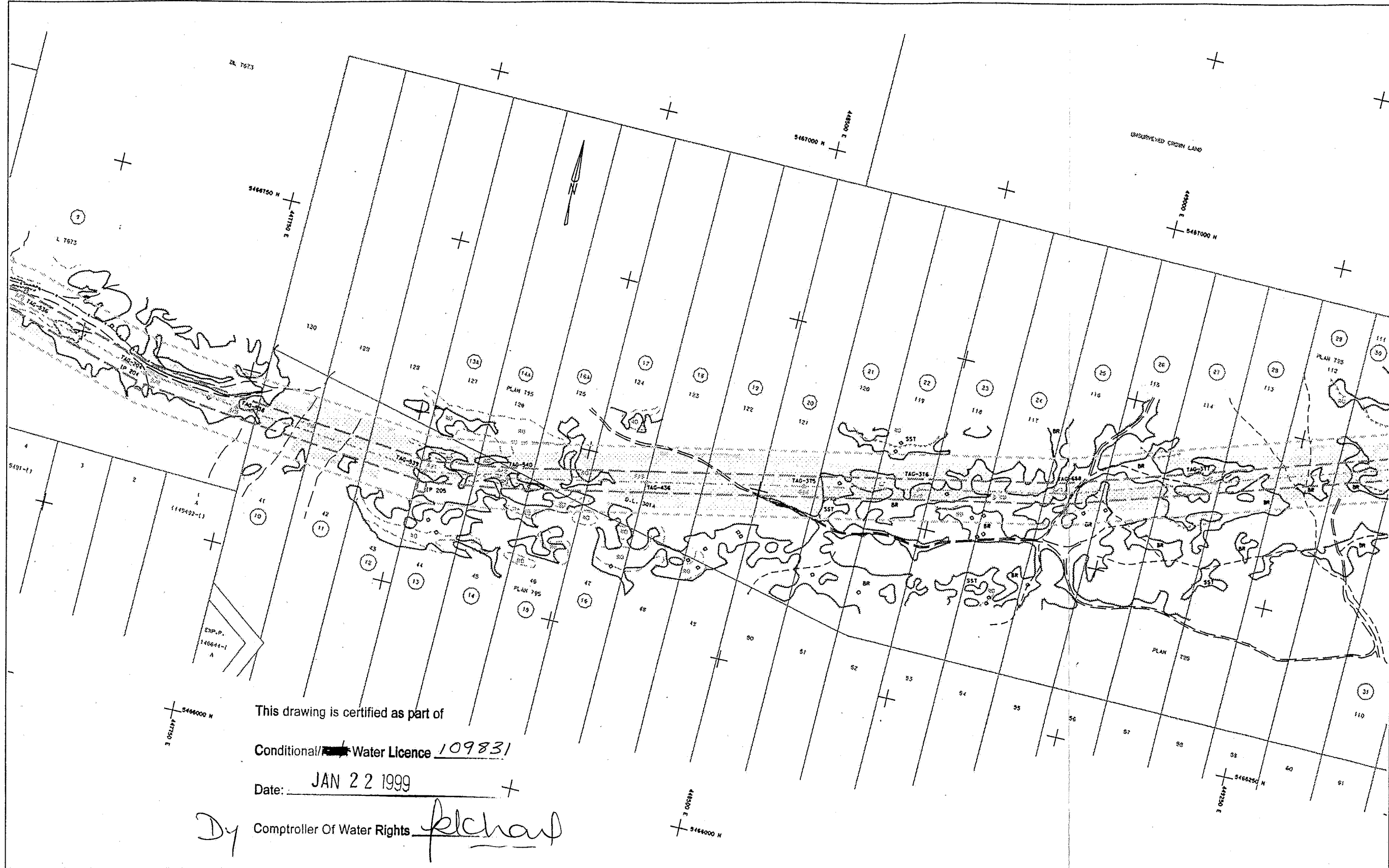
DIGITAL MAP

COLUMBIA POWER CORPORATION

KEENLEYSIDE 150 MW POWERPLANT PROJECT

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

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



LEGEND

ROADS: hard surface
Loose surface / Shoulder
Secondary roads: access / logging / track
Abandoned access road / trail
Buildings / House / Barn / Silo
Ruin or under construction
Survey Control
Fencing Area: Halfpole
Railway: abandoned railway
Cadastral boundary
Planting (above ground)
Under ground

STEEL STRUCTURES: Single, Quad
WOODEN STRUCTURES: 3 poles, 2 poles, 1 pole
CONDUCTION LINES: Transmission
Distribution
Low standard: Road signpost/ball switch
Microwave base: Satellite dish
Detector: Radar
Slide: Rock outcrop: Boulder
Dike / Fill / Embankment
Ditch / Erosion
Pile / Stake
Pile / Stake / Embankment

Lake / pond with high water line
Dry pond
River: Sandbar
Flood area
Ditch with flow arrow
Stream: Intermittent
Stream: Indefinite
Beaver dam on pond
Falls: Rapids
Marsh
Wet area: Blotch with outcrop
Wooded area: Small trees
Single tree: Brush
Mud: Trap tree
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 KNOWN.

Crown Land
Private Land

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.	BChydro
INSPECTED	PHOTO DATE	OCT. 1995
DATE	PHOTO SCALE	NOV. 4, 1998 1:10,000
GRID ORIGIN	DATUM	UTM Z11/NAD83
N.T.S.	DWG. SCALE	GEODETIC 1:2500
82 F	CNTOUR INT.	DWG. No. 2L289 - TOT - E14
		SHEET 04 OF 28

PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS

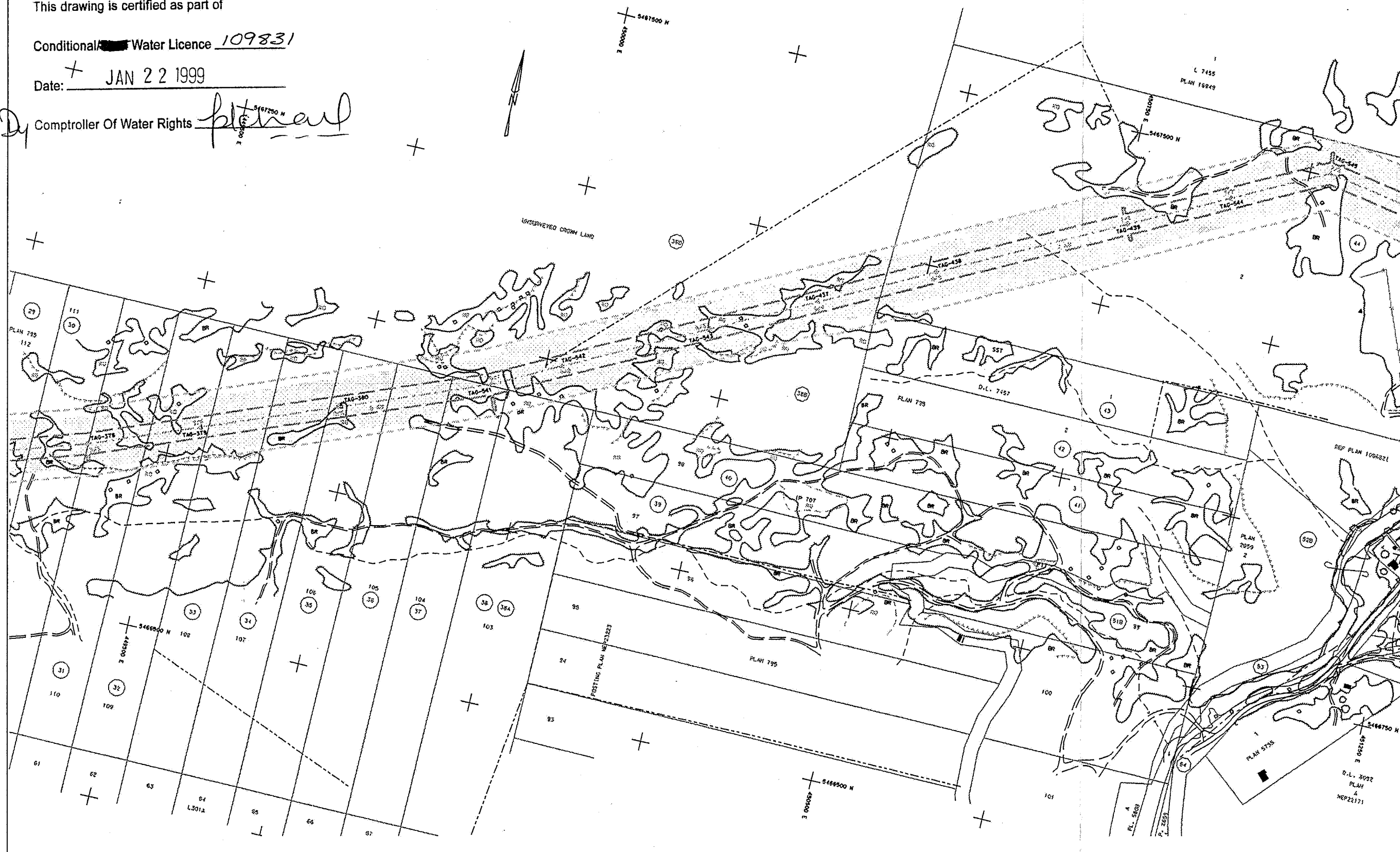
This drawing is certified as part of

Conditional Water Licence 109831

Date: JAN 22 1999

Comptroller Of Water Rights

fitzgerald



LEGEND

ROADS: hard surface, loose surface / shoulder, secondary roads: access / logging / track, abandoned access road / trail, building / house / barn / silo, ruin or under construction, survey control, parking area, wellhead, railway, abandoned railway, fence, cadastral boundary, pipeline (above ground), pipeline (under ground).

STEEL STRUCTURES: rigid, curved, with attachments, wooden structures: 2 pole, 2 pole, 1 pole, floor girder, with attachments, conductor lines: transmission, distribution, low standard, road sign/post/sill post, wireman box, satellite slab, deflector, banner, slide, rock outcrop, boulder, cut / fill / embankment, outline, pit / byre, pile / stile / boardwalk.

Lake / pond with high water line, dry pond, river, sandbar, floor girder, creek with flow arrow, stream intermittent, stream indefinite, beaver dam on pond, falls, rapids, marsh, swamp, wet area, ditch with outcrop, wooded area, small track, single tree, brush, hedge, snag tree, 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 UNKNOWN.

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.	BChydro
INSPECTED	PHOTO DATE	SURVEY and PHOTOGRAMMETRY DEPARTMENT
DATE	PHOTO SCALE	KEENLEYSIDE 150MW POWERPLANT - SELKIRK 230 KV T/L
NOV. 4, 1998	1:10,000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
GRID ORIGIN	DATUM	SHEET 05 OF 28
UTM	GEODETIC	
Z11/NAD83		
N.T.S.	DWG. SCALE	CONTOUR INT.
82 F	1:2500	DWG. No.
		2L289 - T07 - E14
		R. 0



LEGEND

ROADS: Hard surface
Loose surface / Shoulder
Secondary Roads: Access / Logging / Trail
Abandoned access road / Trail
Building(s) / House / Barn / Silo
Burn or Under Construction
Survey Control
Parking area: Halfpad
Railway: Abandoned railway
Fence
Control boundary
Pipeline (above ground)
Pipeline (under ground)

STEEL STRUCTURES: Single, Double, with attachments
WOODEN STRUCTURES: 3 poles, 2 poles, 1 pole, with attachments
CONDUCTOR LINES: Transmission, Distribution
Long standard: Road sign/post/ball, utility
Microphone bases: Satellite dishes
Deflector: Bladder
Slides: Rock, surface, Boulder
Cut / Fill / Embankment
Pile / Pole
Pile / SLIP / Equipment

Lake / pond with high water line
Dry pond
River, Sandbar
Flow arrow
Check with flow arrow
Stream: Indefinite
Stream: Indefinite
Beaver dam on pond
Falls: Rapid
Moraine: Sandbar
Wet area: Bitch with outflow
Hooded area: Small trees
Single tree: Brush
Hooded: Small 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 UNKNOWN.

Crown Land
Private Land

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

Metres 100 0 100 200

DIGITAL MAP

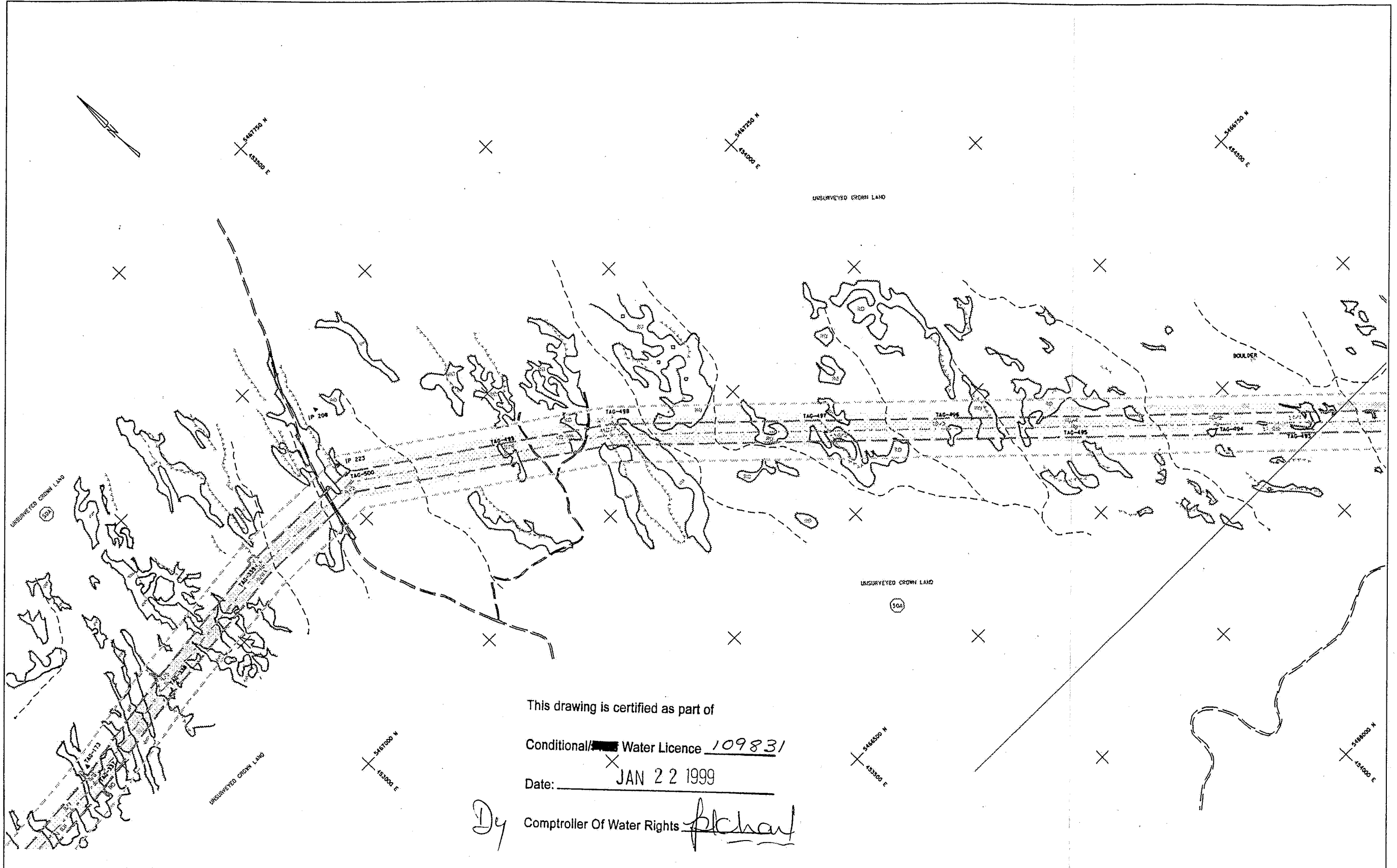
COLUMBIA POWER CORPORATION

KEENLEYSIDE 150 MW POWERPLANT PROJECT

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

CHECKED	PROJECT NO.	BCHydro
INSPECTED	PHOTO DATE	OCT. 1995
DATE	PHOTO SCALE	NOV. 4, 1998 1:10,000
GRID ORIGIN	DATUM	UTM Z11/NAD83 GEODETIC
N.T.S.	DWG. SCALE	1:12500
82 F	CONTOUR INT.	DWG. No. 2L289 - TOT - E14
		SHEET 06 OF 28

R. 0



This drawing is certified as part of

Conditional/ [REDACTED] Water Licence 109831

Date: JAN 22 1999

Dy Comptroller Of Water Rights *[Signature]*

LEGEND

ROADS: Hard surface.....	STEEL STRUCTURES: Eigid, Cuped, wire attachments.....
Loose surface / Shoulder.....	WOODEN STRUCTURES: 3 poles, 2 poles, 1 pole with attachments.....
SECONDARY ROADS: Avenue / Logging / Trail.....	CONDUCTOR LINES: Transmission, Distribution.....
Abandoned access road / Trail.....	Low standard: Road sign/post/ball switch.....
Buildings: / House / Barn / Silo.....	Micro-wave base, Satellite dish.....
Ruin or Under Construction.....	Deflector, Mirror.....
Survey Control.....	Silo, Rock outcrop, Boulder.....
Parking area, Halfpad.....	Cut / Fill / Embankment.....
Railway, Abandoned railway.....	Outline.....
Fence.....	Pile / Pylon.....
Electrical boundary.....	Pile / Silo / Equipment.....
Pipeline (above ground).....	
Under ground.....	

Lake / pond with high water line.....	Flow arrow.....
Dry pond.....	Stream intermittent.....
Stream.....	Stream indefinite.....
Beaver dam on pond.....	Falls, Rapids.....
Marsh, Swamp.....	Wet area, Bligh with outcrop.....
Wooded area, Small trees.....	Single tree, Brush.....
Hedge, Snap tree.....	Clearing, Small scattered trees.....
CL	SST

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 KODENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UNKNOWN.

Crown Land (12)	Proposed T/L Centreline & Structure	1/2
Private Land (34)	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

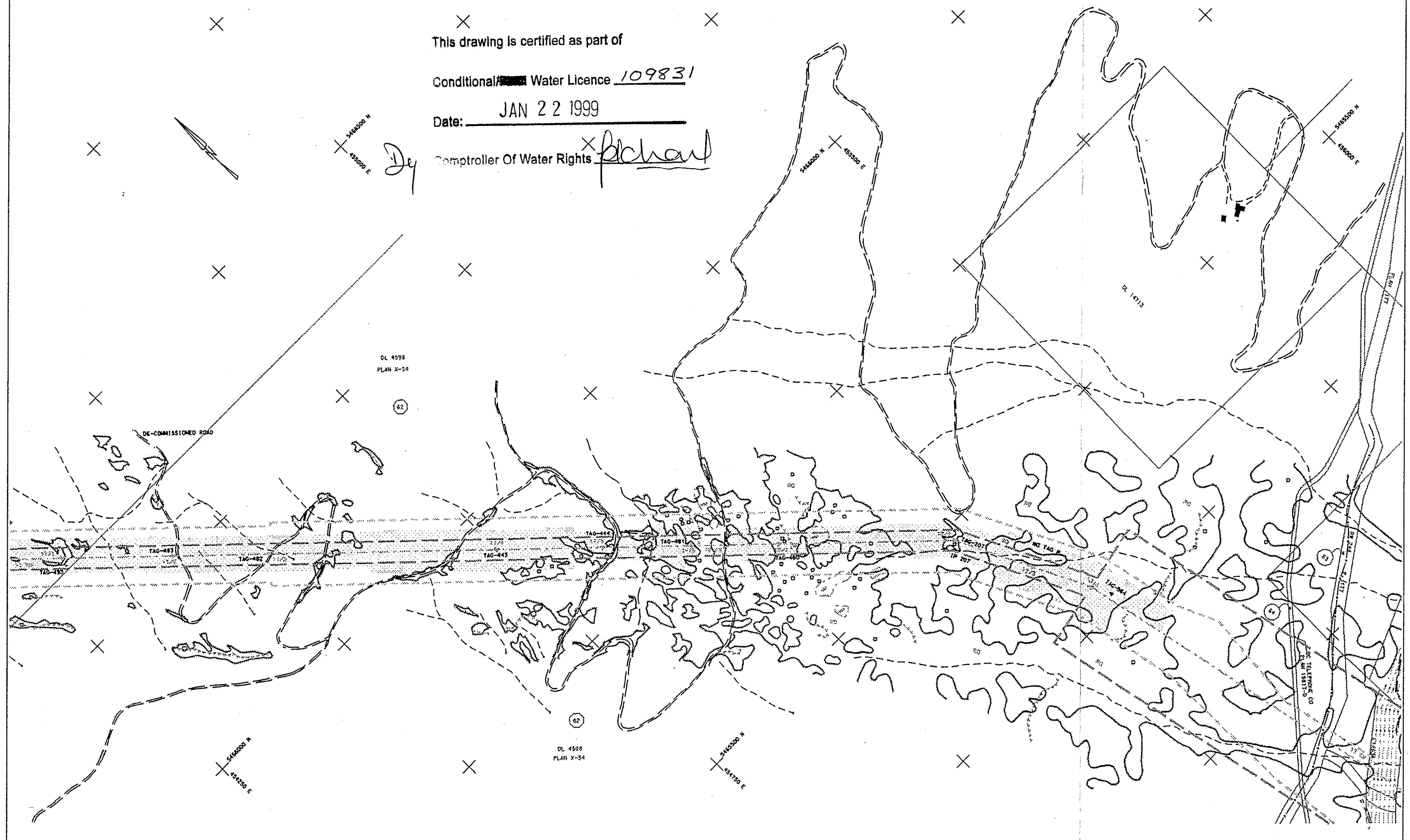
CHECKED	PROJECT NO.	BChydro
INSPECTED	PHOTO DATE	OCT. 1995
DATE	PHOTO SCALE	1:10,000
NOV. 4, 1998	DATUM	GEODETIC
GRID ORIGIN	UTM	Z11/NAD83
N.T.S.	DWG. SCALE	1:2500
82 F	CONTOUR INT.	DWG. No. 2L289 - TOT - E14
		SHEET 07 OF 28
		R 0

This drawing is certified as part of

Conditional ~~Water~~ Water Licence 109831

Date: JAN 22 1999

Comptroller Of Water Rights Dechard



LEGEND

ROADS: Hard surface
Shoulder surface / Shoulder
Secondary roads: Access / Logging / Trail
Abandoned access road / Trail
Buildings / House / Barn / Silo
Barn or other construction
Survey Control
Parking Area: Marked
Railway, abandoned railway
Fence
Easement boundary
Pipeline (above ground)
Under ground

STEEL STRUCTURES: Rigid, curved
with attachments
WOODEN STRUCTURES: 3 poles, 2 poles, 1 pole
with attachments
CONDUCTOR LINES: Transmission
Distribution
Low standard: Road signpost / Rail station
Miscellaneous: Solar light dish
Deflector: Ratchet
Slide: Rock outcrop, Boulder
Cut / Fill / Embankment
Outline
Pile / Stake
Pile / Stake / Embankment

Lake / pond with high water line
Dry pond
River, Sandbar
Flood arrow
Creek with flow arrow
Stream: Intermittent
Stream: Indefinite
Scour: Dam on pond
Falls: Rapids
Moraine: Swamp
Wet area: Birch with outcrop
Wooded area: Small trees
Single tree: Birch
Hedges: Snap trap
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 UNKNOWN.

Crown Land (12)
Private Land (34)

Metres 100 0 100 200

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

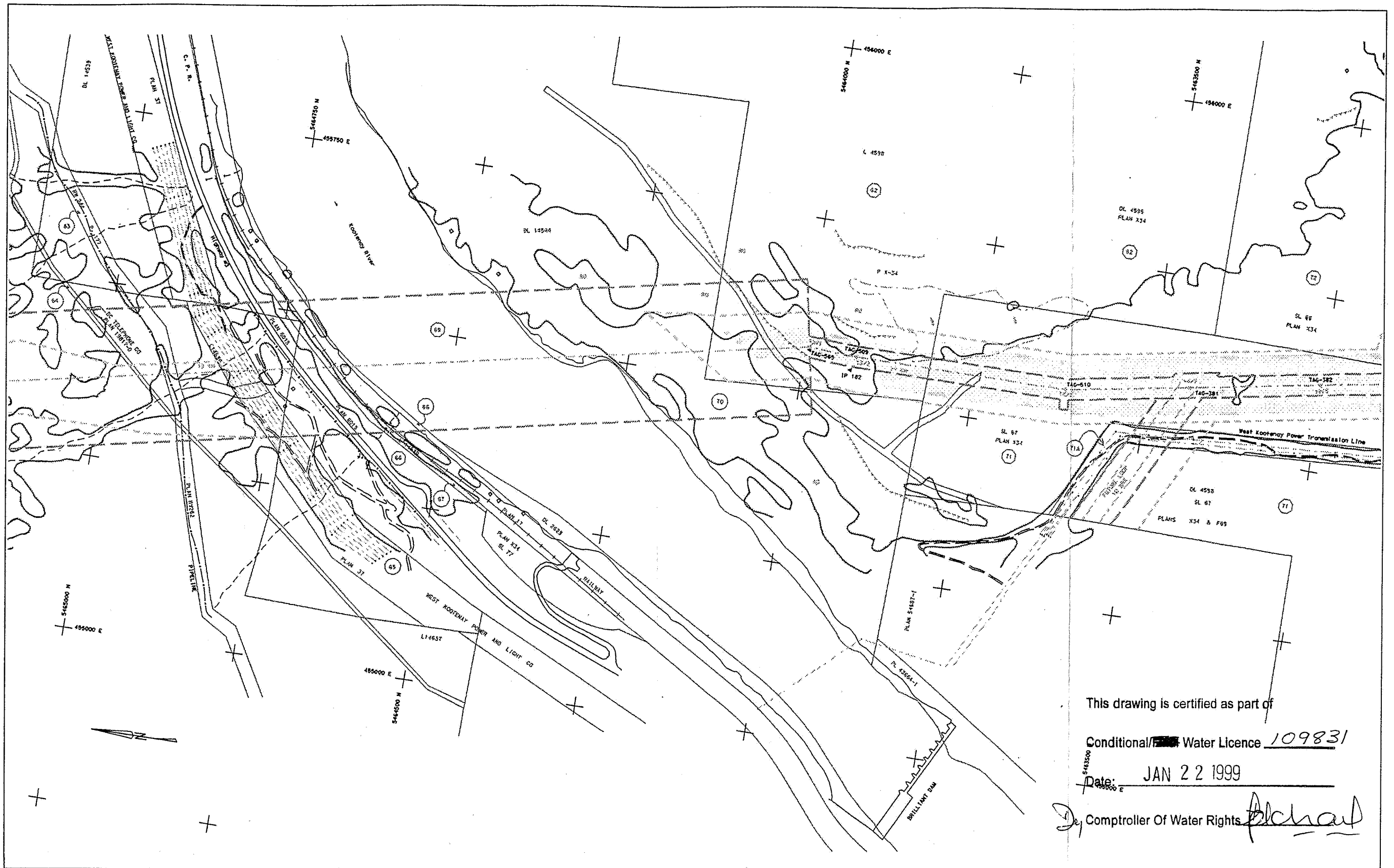
COLUMBIA POWER CORPORATION

KEENLEYSIDE 150 MW POWERPLANT PROJECT

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

CHECKED	PROJECT No. KPP 97	BC Hydro 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. 2L289 - T07 - E14

R. 0



This drawing is certified as part of

Conditional ~~Water~~ Water Licence 109831

Date: JAN 22 1999

Comptroller Of Water Rights *[Signature]*

LEGEND

ROADS: Hard surface, Loose surface / Shoulder, Secondary Roads: Access / Laying / Troop, Abandoned access road / trail, Building / House / Barn / Silo, Barn or Under Construction, Survey Control, Parking Area, Helipad, Railway, abandoned railway, Fences, Contour boundary, Pipeline (above ground), Pipeline (below ground), U/C

STEEL STRUCTURES: Rigid, Open, with attachments, WOODEN STRUCTURES: 3 pole, 2 pole, 1 pole, with attachments, CONDUCTOR LINES: Transmission, Distribution, Low standard, Road sign/Traffic light, Microscope base, Satellite dish, Detector, Alarm, Slide, Rock outcrop, Boulder, Cut / Fill / Embankment, Outcrop, Pile / Pylon, Pile / C/SIT / Support

Lake / pond with high water line, River, Sandbar, River or pond, Dry pond, Stream, Stream bed, Stream bank, Stream dam on pond, Falls, Rapids, Marsh, Swamp, Wet area, Shrub with outcrop, Wooded area, Small road, Single tree, Brush, Hedge, Shag tree, Clearing, Small scattered trees, CL, SST

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
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

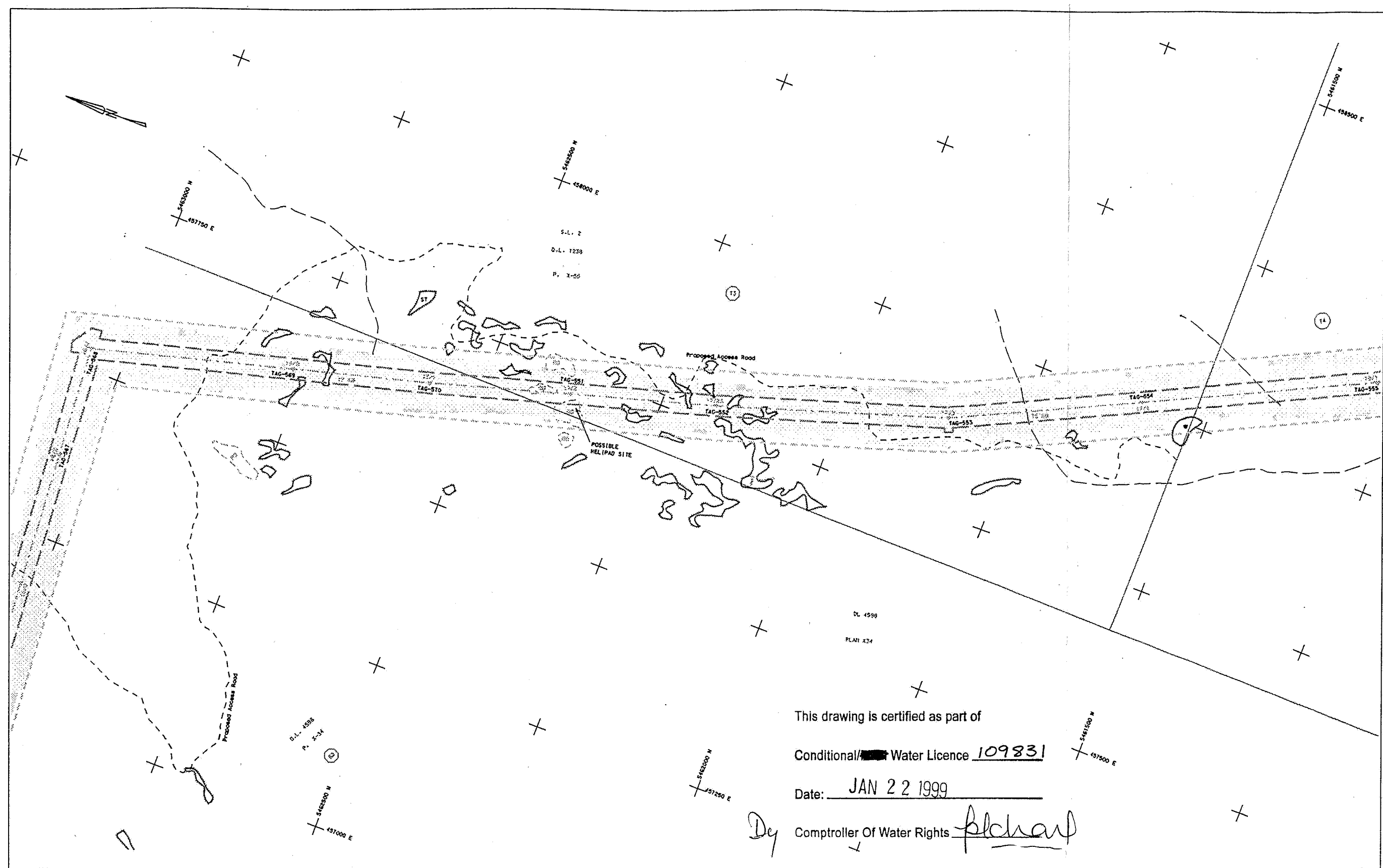
DIGITAL MAP

COLUMBIA POWER CORPORATION

KEENLEYSIDE 150 MW POWERPLANT PROJECT

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

CHECKED	PROJECT NO.	BCHydro
INSPECTED	PHOTO DATE	SURVEY and PHOTOGRAMMETRY DEPARTMENT
DATE	PHOTO SCALE	KEENLEYSIDE 150MW POWERPLANT - SELKIRK 230 KV T/L
NOV. 4, 1998	1:10,000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
GRID ORIGIN	DATUM	SHEET 09 OF 28
UTM	GEODETIC	
Z11/NAD83		
N.T.S.	DWG. SCALE	CONTOUR INT.
82 F	1:2500	DWG. No. 2L289 - TOT - E14



This drawing is certified as part of

Conditional/ ~~Water~~ Water Licence 109831

Date: JAN 22 1999

By plchar
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
- External boundary
- Pipeline (above ground, Under ground)
- STEEL STRUCTURES: Single, Open, with ornaments
- WOODEN STRUCTURES: 3 poles, 2 poles, 1 pole, with ornaments
- CONDUCTOR LINES: Transmission, Distribution
- Long standard, Road sign/Post/Belt switch
- Wireless base, Satellite dish
- Delegator, Mirror
- Sites: Rock outcrop, Boulder
- Dirt / Fill / Debris
- Outline
- Pit / Erosion
- Pile / Cliff / Elevation
- Lake / pond with High water line, Dry pond
- River, Stream
- Flow arrow
- Creek with flow arrow
- Stream integration
- Stream intersection
- Booster dam on pond
- Falls, Rapids
- Marshy Swamps
- Wet area, Birch with aspen
- Wooded area, Small trees
- Single tree: Birch
- Woods: Shag trees
- Clearing: Small scattered trees

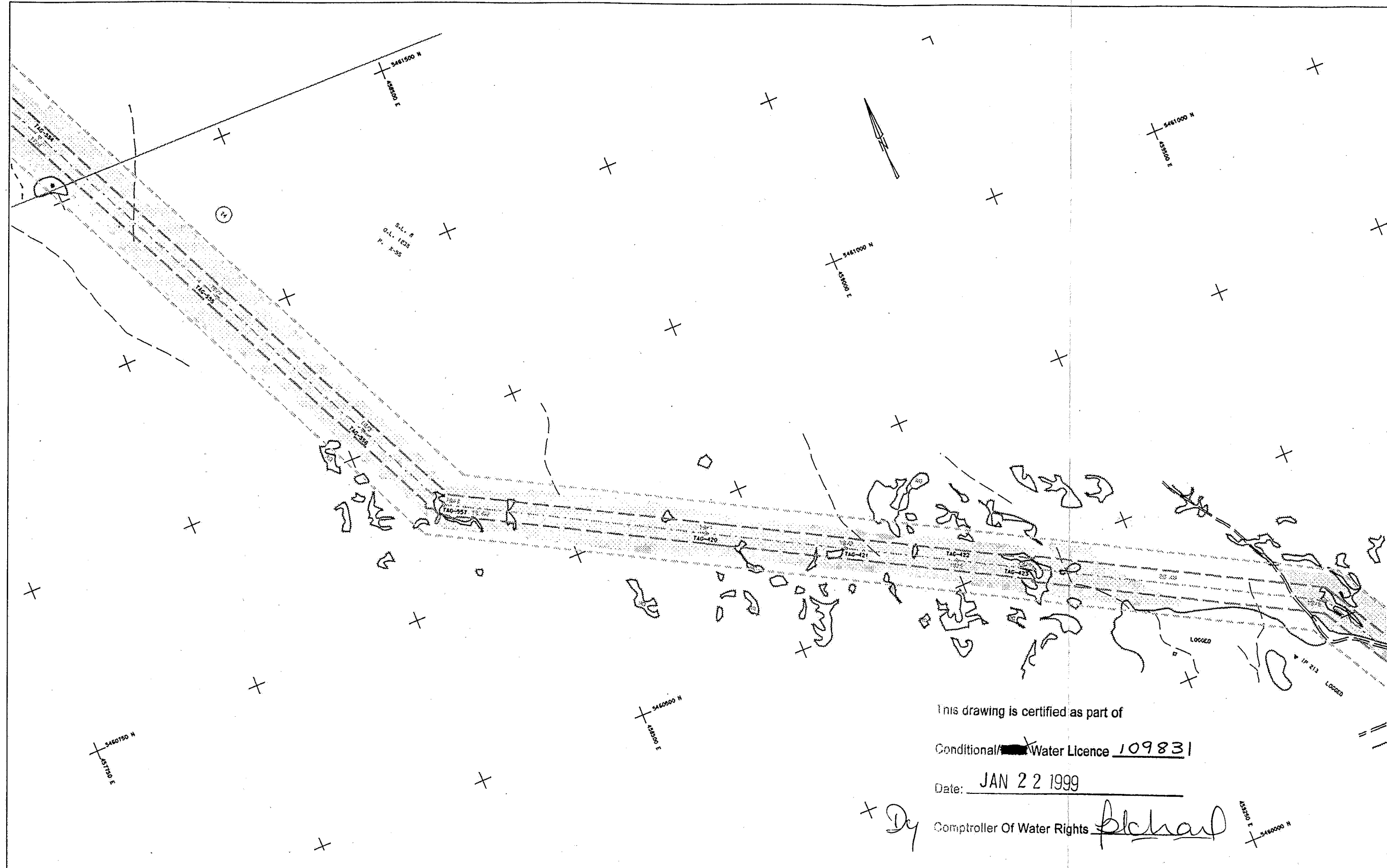
NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UNKNOWN.

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.	BChydro		
INSPECTED	PHOTO DATE	OCT. 1995		
DATE	PHOTO SCALE	NOV. 4, 1998 1:10,000		
GRID ORIGIN	DATUM	UTM Z11/NAD83 GEODETIC		
N.T.S.	DWG. SCALE	CONTOUR INT.	DWG. No.	SHEET 11 OF 28
82 F	1:2500		2L289 - T07 - E14	R. 0



This drawing is certified as part of

Conditional/ ~~Water~~ Water Licence 109831

Date: JAN 22 1999

Comptroller Of Water Rights *[Signature]*

LEGEND

ROADS: Road Surface	=====
Secondary Road: Shoulder / Lapping / Track	=====
Abandoned power road / Trail	-----
Building(s) / House / Barn / Silo	■
Ruin or Under Construction	□
Survey Control	△
Parking Area: Millpond	○
Railroad: Abandoned railway	-----
Fence	=====
Cadastral boundary	-----
Pipeline (along ground)	-----
Under ground	-----

STEEL STRUCTURES: Single, Capped, with attachment	□
WOODEN STRUCTURES: 2 poles, 2 poles, 1 pole, with attachment	□
CONDUCTOR LINES: Transmission, Distribution	-----
Loop standard: Road sign/Post/Trail marker	○
Wireless base: Satellite dish	□
Detector, Radar	△
Slope: Peak, outcrop, Boulder	△
Ditch / Fill / Embankment	-----
Pile / Silo / Encampment	-----

Leak / pond with high water line	○
River, Stream	~~~~~
Pipe: open	-----
Ditch with flow arrow	-----
Stream: headwater	-----
Beaver dam on pond	-----
Fallen: Rapid	-----
Mud: area, Bluff with outcrop	-----
Woods: area, Small trees	-----
Single tree: Birch	○
Wedge: Snap trap	-----
Clearing: Small scattered trees	CL SST

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 (39)

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

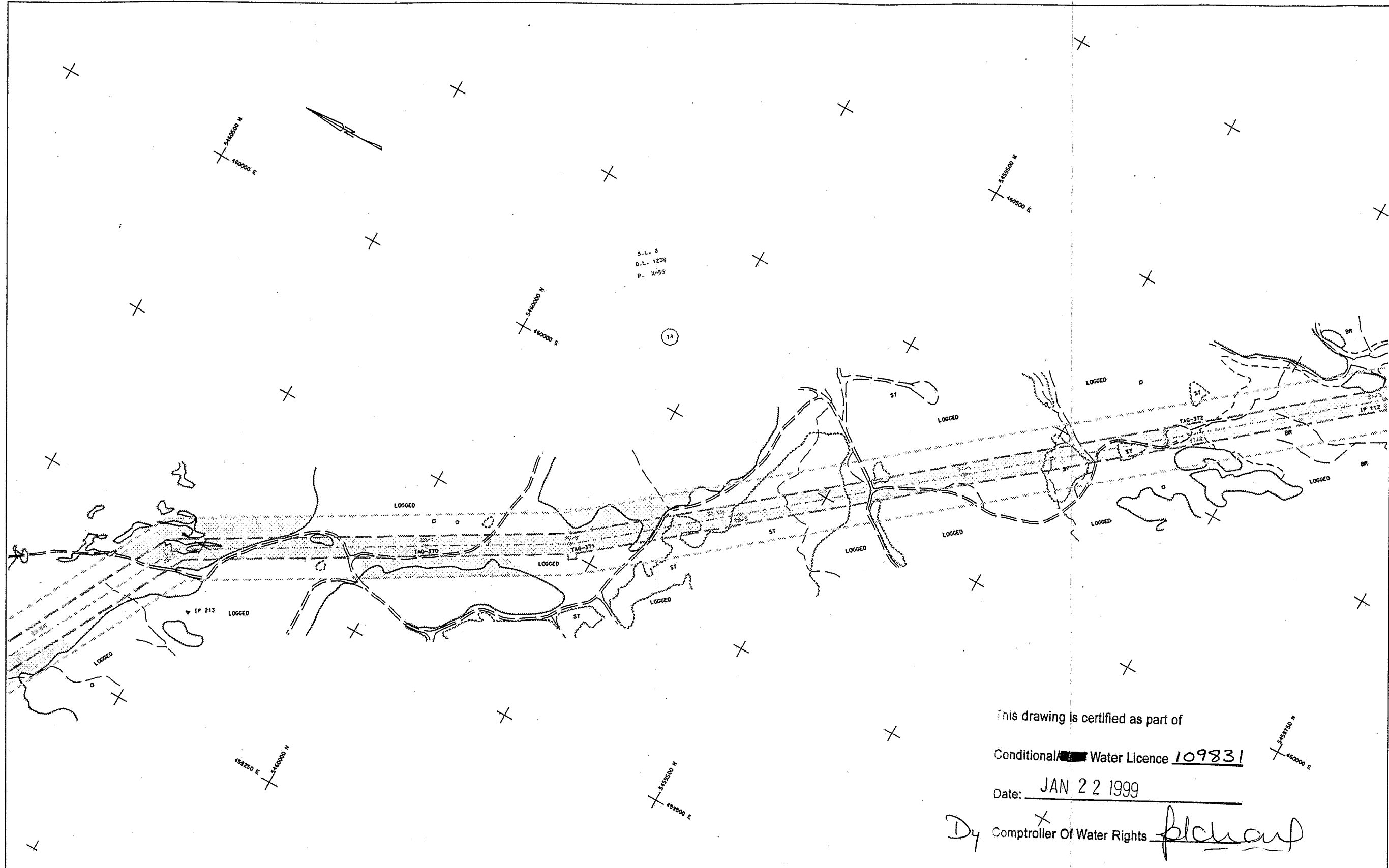
DIGITAL MAP

COLUMBIA POWER CORPORATION

KEENLEYSIDE 150 MW POWERPLANT PROJECT

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

CHECKED	PROJECT No. KPP 97	BChydro
INSPECTED	PHOTO DATE OCT. 1995	SURVEY and PHOTOGRAMMETRY DEPARTMENT
DATE NOV. 4, 1998	PHOTO SCALE 1:10,000	KEENLEYSIDE 150MW POWERPLANT - SELKIRK 230 kV T/L
GRID ORIGIN UTM 211/NAD83	DATUM GEODETIC	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
N.T.S. 82 F	DWG. SCALE 1:2500	SHEET 12 OF 28
	CONTOUR INT. DWG. No. 2L289 - TOT - E14	R. 0



This drawing is certified as part of
 Conditional Water Licence 109831
 Date: JAN 22 1999

Dy Comptroller Of Water Rights *planchon*

LEGEND	
ROADS: Road surface.....	STEEL STRUCTURES: Right, Over.....
Secondary Road: Shoulder.....	WOODEN STRUCTURES: 1 pole, 2 poles, 1 pole.....
CONDUCTOR LINES: Transmission.....	CONDUCTOR LINES: Distribution.....
Abandoned road / Trail.....	Low standard: Road sign/Post/Well path.....
Buildings: House / Barn / Silo.....	Wireless base: Satellite dish.....
Run or Under Construction.....	Deflector, Windmill.....
Survey Control.....	Sites: Rock outcrop, Boulder.....
Parking Area: Mailbox.....	Ditch / Filling / Embankment.....
Railway: Abandoned railway.....	Outlines.....
Field.....	Pile / Stake / Easement.....
Geological Boundary.....	
Pipeline (above ground).....	
Pipeline (below ground).....	

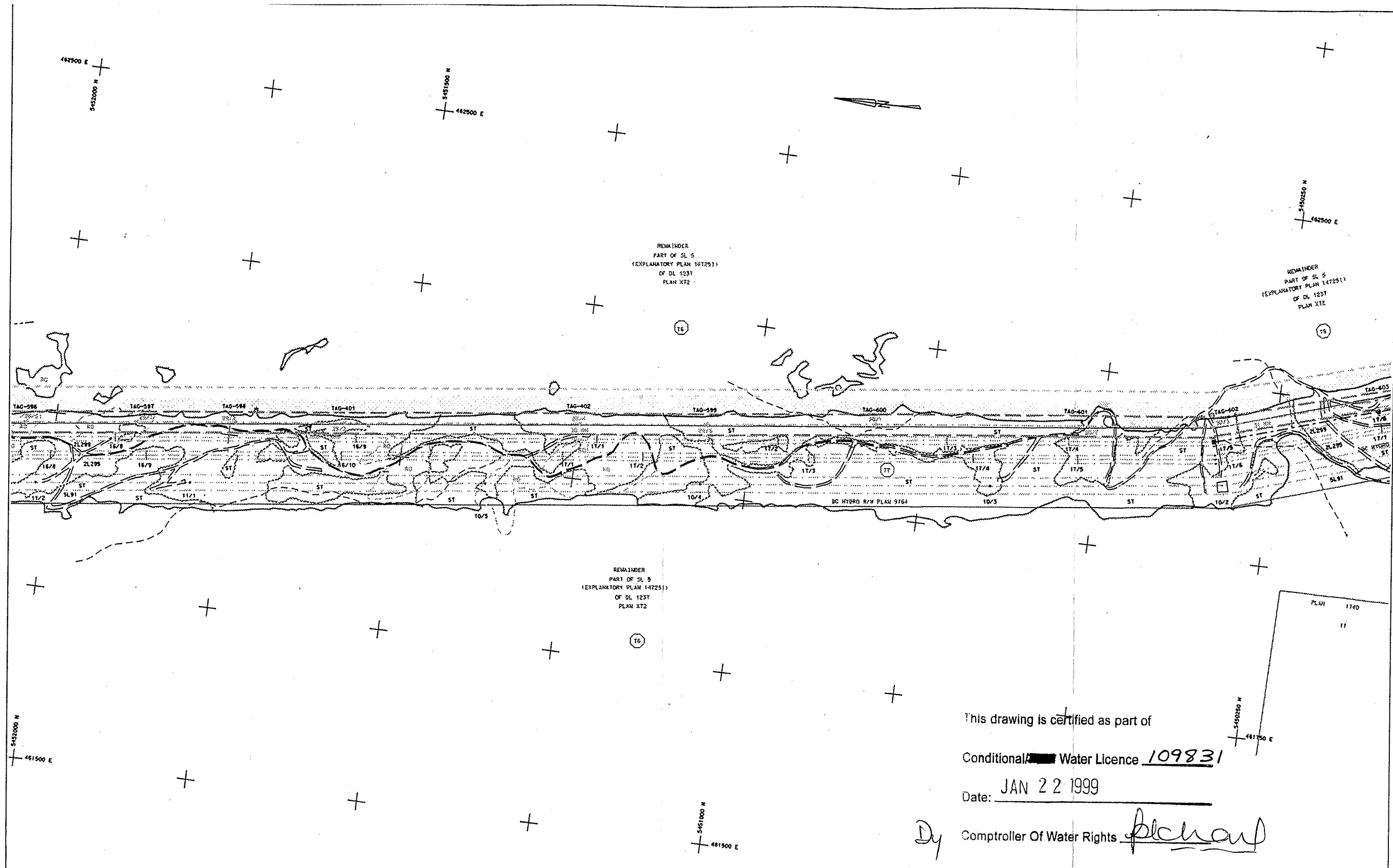
NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UNKNOWN.

Proposed T/L Centreline & Structure
 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

Crown Land (12)
 Private Land (34)

COLUMBIA POWER CORPORATION			
KEENLEYSIDE 150 MW POWERPLANT PROJECT			
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 KV T/L		BChydro	
CHECKED	PROJECT No.	SURVEY and PHOTOGRAMMETRY DEPARTMENT	
	KPP 97		
INSPECTED	PHOTO DATE	KEENLEYSIDE 150MW POWERPLANT - SELKIRK 230 KV T/L	
	DEC. 1995		
DATE	PHOTO SCALE	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS	
NOV. 4, 1998	1:10,000		
GRID ORIGIN	DATUM	SHEET 13 OF 28	
UTM	GEODETIC		
N.T.S.	OWD. SCALE	CONTOUR INT.	OWD. No.
82 F	1:2500		2L289 - T07 - E14

DIGITAL MAP



This drawing is certified as part of
Conditional Water Licence 109831
Date: JAN 22 1999

By [Signature] Comptroller Of Water Rights

- LEGEND**
- ROADS: Hard surface.....
Loose surface / Shoulder.....
Secondary Roads: Access / Logging / Track.....
Abandoned road / trail.....
- Buildings / House / Barn / Silo.....
Ruin or Under Construction.....
Survey Control.....
Parking Area: Hatched.....
Railway: Abandoned railway.....
Fence.....
Cadastral boundary.....
Pipeline (above ground).....
Pipeline (under ground).....

- STEEL STRUCTURES: rigid, cupola.....
WOODEN STRUCTURES: 2 poles, 2 poles, 1 pole.....
CONDUCTOR LINES: Transmission.....
Distribution.....
- Long standard: Road sign/Post/Bell button.....
Narrow base, Satellite dish.....
Deflector, Barn.....
Silo: Non-rotary, Boulder.....
Dirt / Fill / Embankment.....
Pile / Pole.....
Pile / Cliff / Embankment.....

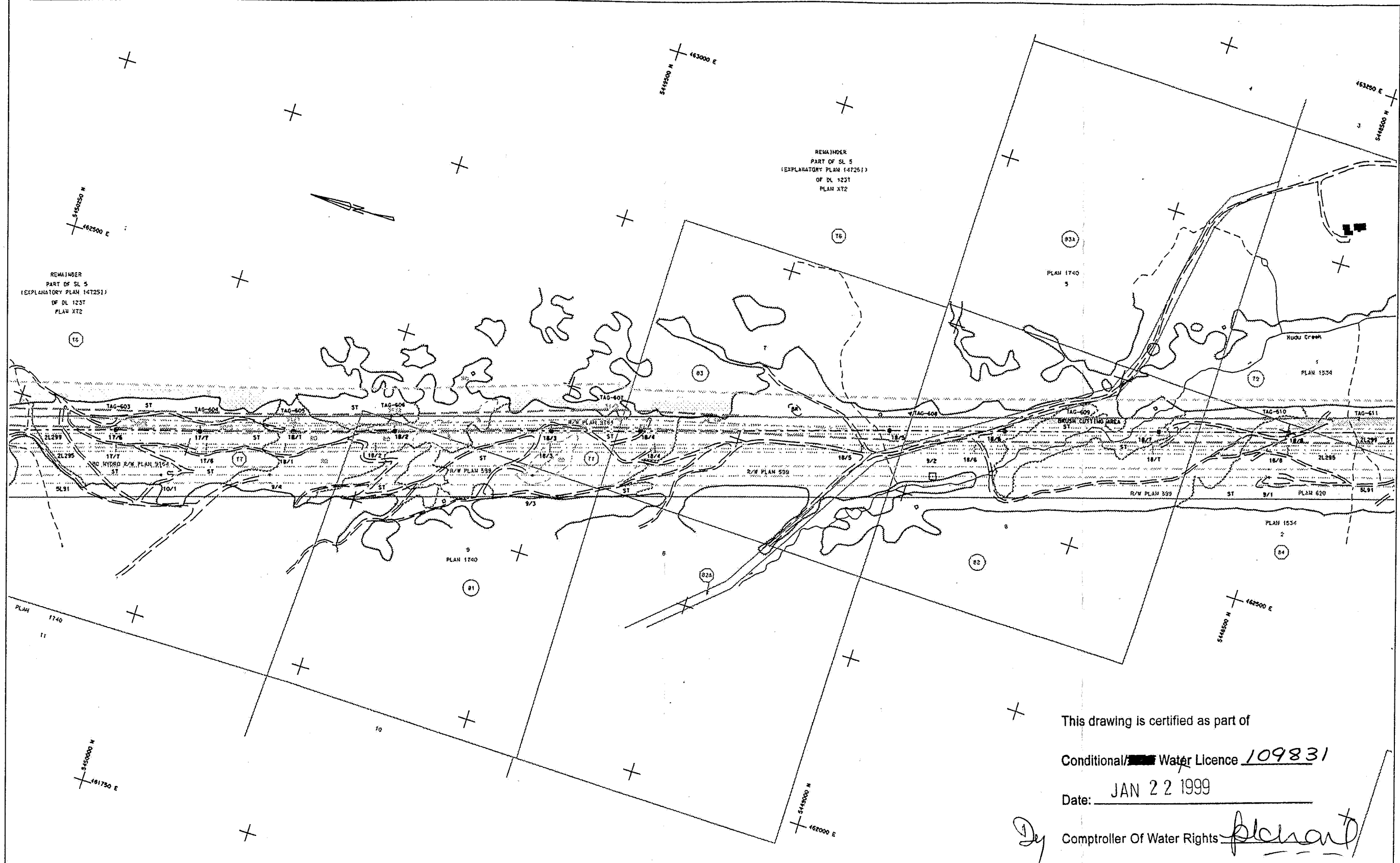
- Lake / pond with high water line.....
River, Sandbar.....
Flow arrow.....
Drain with flow arrow.....
Stream Impediment.....
Stream bed/line.....
Beaver dam on pond.....
Feller, Rapids.....
Marshy Swamp.....
Wet area: Birch with outcrop.....
Wet area: Small stream.....
Single tree, Brush.....
Hedge: Small 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 UNKNOWN.

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

Crown Land (12)
Private Land (34)

COLUMBIA POWER CORPORATION			
KEENLEYSIDE 150 MW POWERPLANT PROJECT			
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 KV T/L			
CHECKED	PROJECT NO.	Bchydro SURVEY and PHOTOGRAMMETRY DEPARTMENT	
INSPECTED	PHOTO DATE	OCT. 1995	
DATE	PHOTO SCALE	NOV. 4. 1998 1:10,000	
GRID ORIGIN	DATUM	UTM Z11/NAD83 GEODETIC	
N.T.S.	DWG. SCALE	CONTOUR INT.	DWG. No.
82 F	1:2500		2L289 - TOT - E14
SHEET 18 OF 28			R. Q



This drawing is certified as part of
Conditional/ ~~Water~~ Licence 109831
Date: JAN 22 1999
By [Signature] Comptroller Of Water Rights

- LEGEND**
- ROADS: Road surface / Shoulder
Secondary Roads: Access / Logging / Track
Abandoned access road / Trail
Buildings / House / Barn / Silo
Ruin or Under Construction
Survey Control
Parking Area: Helipad
Railway, Abandoned railway
Fence
Cadastral boundary
Pipelines (above ground / under ground)

- STEEL STRUCTURES: Single, Double, with attachment
WOODEN STRUCTURES: 5 poles, 2 poles, 1 pole, with attachment
CONDUCTOR LINES: Transmission, Distribution
Low standard: Road sign/Post/Well outlet
Wireless pole: Satellite dish
Deflector: Blower
Slope: Run outwards: Boulder
Cut / Fill / Embankment
Pile / Type
Pile / Size / Equipment

- Lake / pond with high water line
Dry pond
River, Lake
Flow arrow
Drain with flow arrow
Stream (intermittent)
Stream (intermittent)
Beaver dam on pond
Falls, Rapids
Marshy Swamp
Net area: Sign with outcrop
Muddy area: Small track
Single track: Brush
Hedge: Sign free
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 UNKNOWN.

Crown Land (12)
Private Land (34)

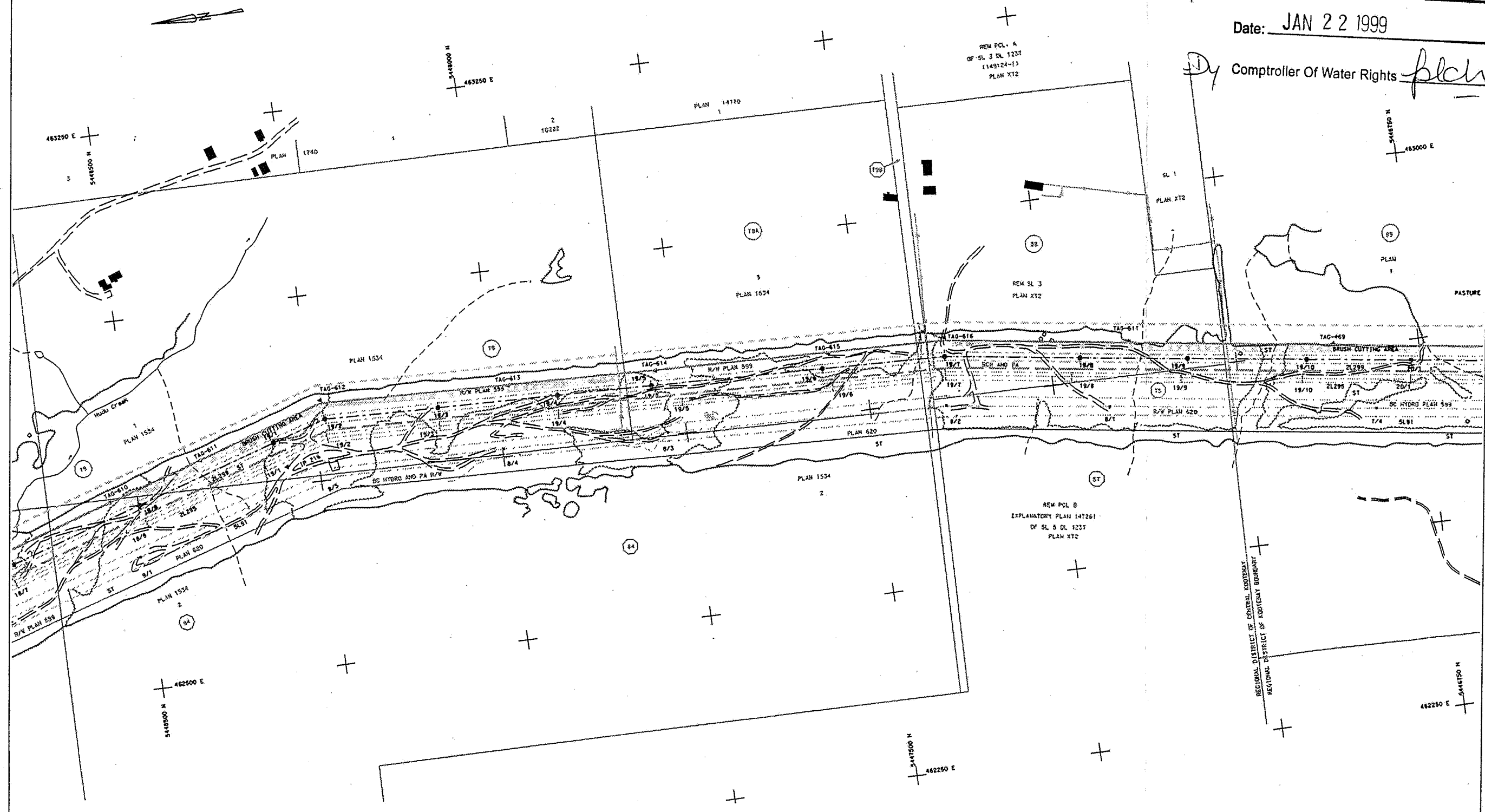
Proposed T/L Centreline & Structure
Proposed Double Circuit C/L & Structure
Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure
Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone



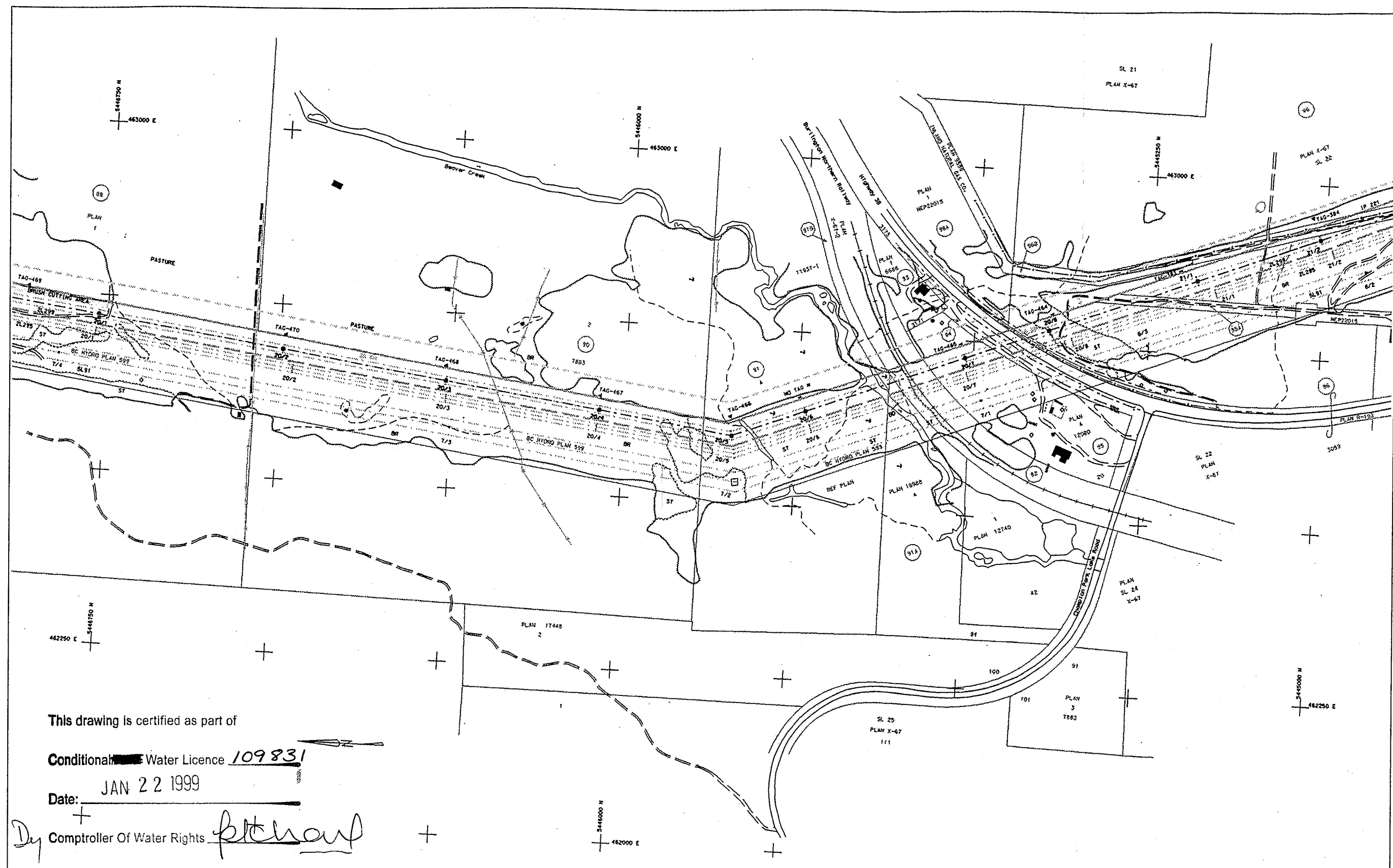
DIGITAL MAP

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

Comptroller Of Water Rights plchan



COLUMBIA POWER CORPORATION				
KEENLEYSIDE 150 MW POWERPLANT PROJECT				
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 KV T/L				
CHECKED	PROJECT No.	BChydro		
	KPP 97	SURVEY and PHOTOGRAMMETRY DEPARTMENT		
INSPECTED	PHOTO DATE	KEENLEYSIDE 150MW POWERPLANT - SELKIRK 230 KV T/L		
	OCT. 1995	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS		
DATE	PHOTO SCALE			
NOV. 4. 1998	1:10,000			
GRID ORIGIN UTM Z11/NAD83	DATUM GEODETIC			
N.T.S.	DWG. SCALE 1:2500	CONTOUR INT.	DWG. No.	SHEET 20 OF 28
82 F			2L289 - TOT - F14	R. 0



This drawing is certified as part of

Conditional Water Licence 109831

Date: JAN 22 1999

By [Signature]
Comptroller Of Water Rights

LEGEND

ROADS: Road surface Shoulder surface / Shoulder	STEEL STRUCTURES: Single, Double with attachments
SECONDARY ROADS: Access / Logging / Track	WOODEN STRUCTURES: 3 poles, 2 poles, 1 pole with attachments
Abandoned access road / trail	CONDUCTOR LINES: Transmission Distribution
Buildings / House / Barn / Site	Long standard: Road sign/Post/Ball entrance
Run or Under Construction	Hardware base: Satellite dish
Survey Controls	Delineator, Bittor
Parking Area, Millpond	Sites: Rock outcrop, Boulder
Railway, Abandoned railway	Out / Fill / Embankment
Fence	Pile / Pylon
Contour boundary	Pile / Cliff / Escarpment
Pipeline (above ground) Under ground	

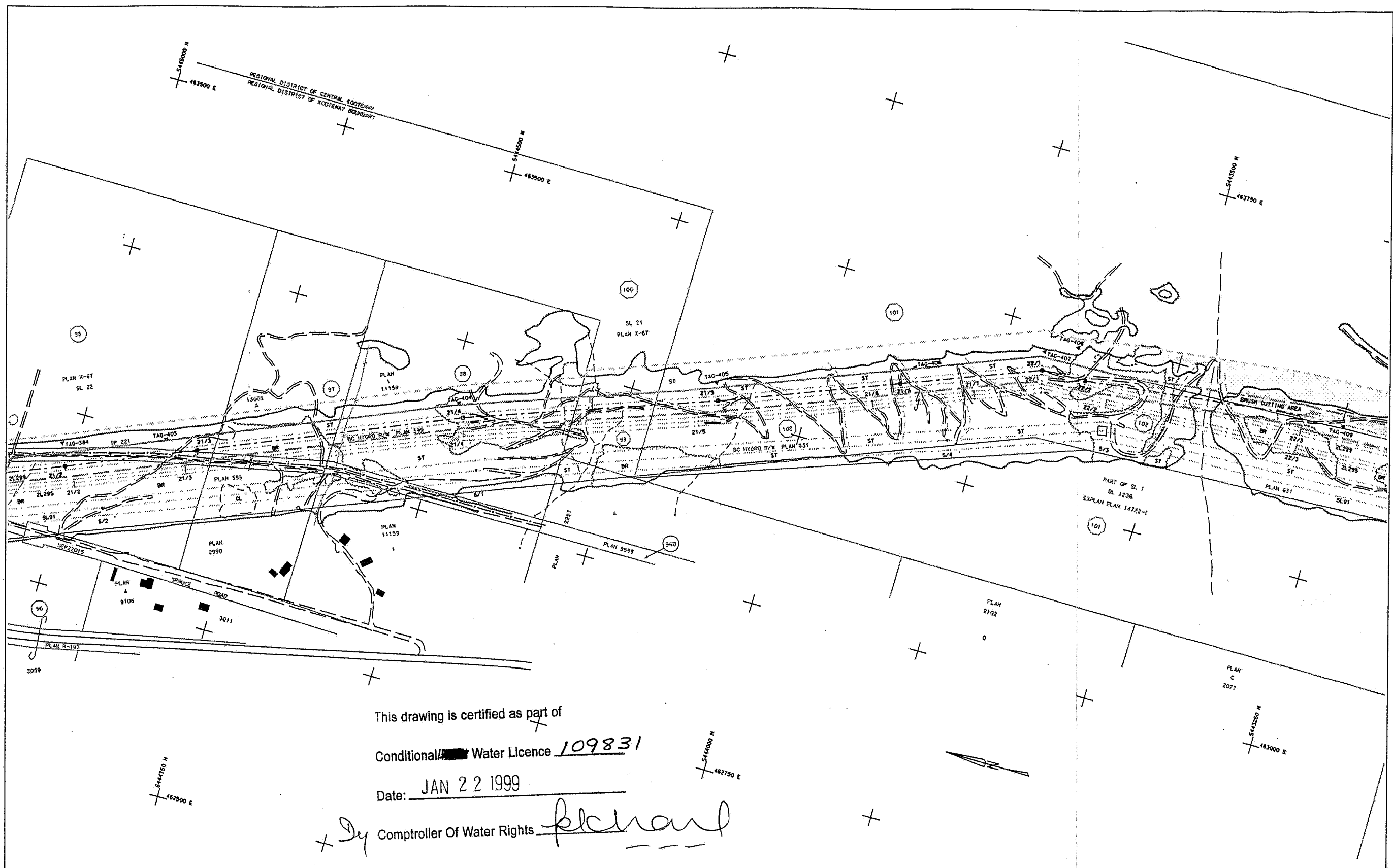
Lake / pond with High water line Dry pond	CL
Shrub, Sander	SST
Flow drain	
Creek with flow arrow	
Stream Interim/Permanent	
Stream Indefinite	
Beaver dam on pond	
Falls: Rapid	
Marsh Swale	
Wet area: Bittor with outcrop	
Wooded area, Small trees	
Single tree: Brush	
Maple, Spruce tree	
Clearing: Small 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 UNKNOWN.

- 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



COLUMBIA POWER CORPORATION			
KEENLEYSIDE 150 MW POWERPLANT PROJECT			
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 KV T/L			
CHECKED	PROJECT No.	BChydro	
INSPECTED	PHOTO DATE	OCT. 1995	
DATE	PHOTO SCALE	KEENLEYSIDE 150MW POWERPLANT - SELKIRK 230 KV T/L	
NOV. 4, 1998	1:10,000	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS	
GRID ORIGIN	DATUM	SHEET 21 OF 28	
UTM	GEODETIC		
N.T.S.	DWG. SCALE	CONTOUR INT.	DWG. No.
82 F	1:2500		2L289 - TOT - E14



This drawing is certified as part of

Conditional Water Licence 109831

Date: JAN 22 1999

+ By Comptroller Of Water Rights plcharl

LEGEND

ROADS: Road surface / Shoulder
Secondary roads: Access / Logging
Abandoned access road / trail
Buildings / House / Barn / Silo
Ruins of other construction
Survey Control
Fencing Area: Wellhead
Railway: Abandoned railway
Fence
Pipeline (above ground)
Pipeline (under ground)

STEEL STRUCTURES: Single, Curved
WOODEN STRUCTURES: 3 poles, 2 poles, 1 pole
CONDUCTOR LINES: Transmission
Lump standard: Road sign/Post/Ball bottom
Microwave base: Satellite dish
Deflector: Bypass
Silo: Rock outcrop, Boulder
Cut / Fill / Embankment
Culvert
Pile / Pylon
Pile / GUY / Embankment

Lake / pond with high water line
River, Stream
Flow direction
Grass with flow direction
Sagebrush / Shrubland
Stream / Underline
Power dam on pond
Falls, Rapids
Marsh, Swamp
Hot area, Bluff with outcrop
Wooded area, Small trees
Single tree, Brush
Hedge, Snap trap
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 UNKNOWN.

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

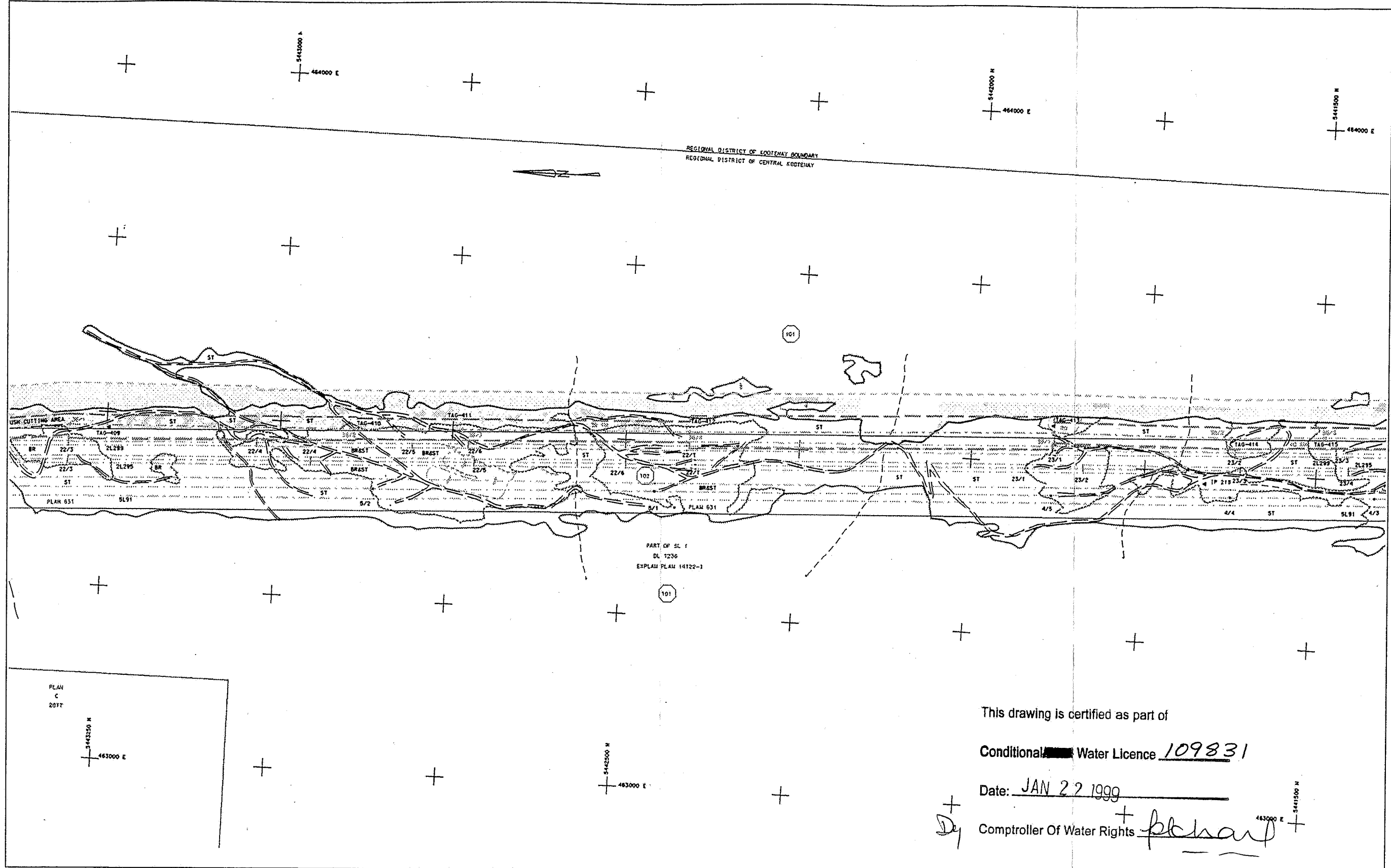
DIGITAL MAP

COLUMBIA POWER CORPORATION

KEENLEYSIDE 150 MW POWERPLANT PROJECT

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

CHECKED	PROJECT No. KPP 97	Bchydro
INSPECTED	PHOTO DATE OCT. 1995	SURVEY and PHOTOGRAMMETRY DEPARTMENT
DATE NOV. 4, 1998	PHOTO SCALE 1:10,000	KEENLEYSIDE 150MW POWERPLANT - SELKIRK 230 KV T/L
GRID ORIGIN UTM Z11/NAD83	DATUM GEOIDETIC	PRELIMINARY CLEARING AND ELECTRICAL CLEARANCE REQUIREMENTS
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT.
	DWG. No.	2L289 - T07 - E14
		SHEET 22 OF 28
		0



LEGEND

POSSIBLE HARD SURFACES:
Loose surface / Shoulder.....
Secondary Roads: Access / Logging /
Track.....
Abandoned access road / trail.....
Buildings / House / Barn / Silo.....
Ruin or Under Construction.....
Survey Control.....
Parking Area: Hayrack.....
Railway: Abandoned railway.....
Contour boundary.....
Pipeline (above ground /
under ground).....

STEEL STRUCTURES: Right: Capped
with attachment.....
WOODEN STRUCTURES: 3 posts, 2 poles, 1 pole,
with attachment.....
CONDUCTOR LINES: Transmission
Distribution.....
Low standard: Road sign/Post/Ball switch.....
Wireless base: Satellite dish.....
Detector: Mine.....
Silo: Root outcrop: Boulder.....
Cut / Fill / Embankment.....
Culvert.....
Pile / Pole / Equipment.....
Pile / Pole / Equipment.....

Lake / pond with high water line:
Ditch / Pond.....
Flow arrow.....
Drain with flow arrow.....
Stream / Interstream.....
Stream / Interstream.....
Scour: on on pond.....
Fence: Raptor.....
Marsh: Swamp.....
Tree: on: Bitch with catfish.....
Roadside area: Small trees.....
Single tree: Brush.....
Hedge: Sapling.....
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 UNKNOWN.

Crown Land (12)
Private Land (34)

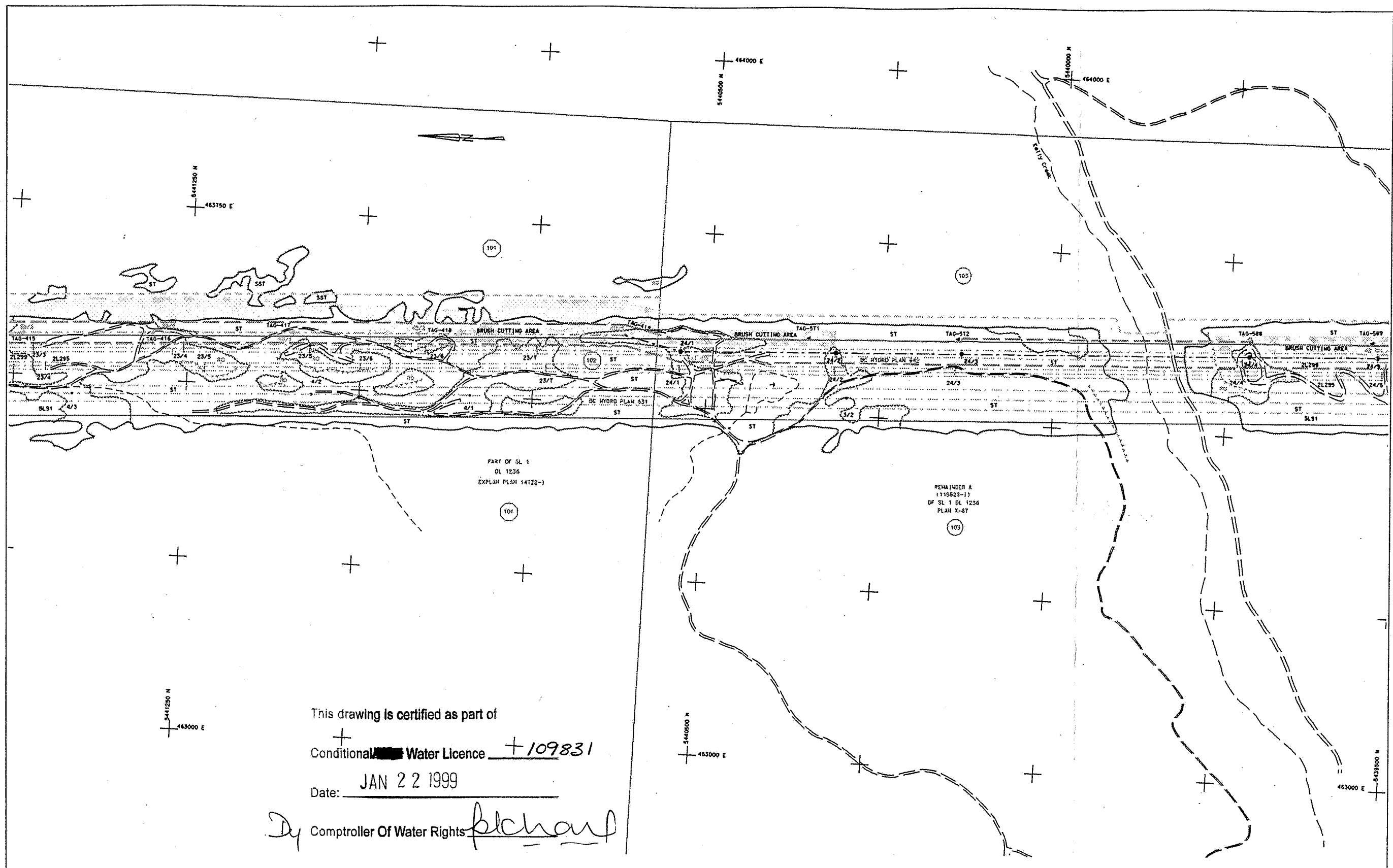
Proposed T/L Centreline & Structure
Proposed Double Circuit C/L & Structure
Proposed Narrow Single Circuit reconstruction
of existing BCH T/L & Structure
Proposed Initial Clearing
Electrical Clearance Boundary
Tree Management Zone

DIGITAL MAP

This drawing is certified as part of
Conditional Water Licence 109831
Date: JAN 22 1999
Comptroller Of Water Rights [Signature]

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 GEOIDETIC	SHEET 23 OF 28
N.T.S. 82 F	DWG. SCALE 1:2500	CONTOUR INT. DWG. No. 2L289 - TOT - E14



This drawing is certified as part of
Conditional **Water Licence** **+109831**
Date: **JAN 22 1999**

By **Comptroller Of Water Rights** *[Signature]*

- LEGEND**
- PODS: Hard surface, loose surface / shoulder
- SECONDARY ROADS: Access / Logging / Track
- Abandoned access road / trail
- Buildings / House / Barn / Silo
- Ruin or Under Construction
- Survey Control
- Parking Area, Hatched
- Railway, Abandoned railway
- Contour boundary
- Pipeline (above ground), (under ground)

- STEEL STRUCTURES: Right, Capped, with attachment
- WOODEN STRUCTURES: 3 pole, 2 pole, 1 pole, with attachment
- CONDUCTOR LINES: Transmission, Distribution
- Low standard, head signpost/bell switch
- Wetware base, Satellite dish
- Delictator, Mirror
- Silica: Rock outcrop, Boulder
- Dut / Fill / Subsoilment
- Outline
- Pit / Pyle
- Pile / Slit / Elevation

- Lake / pond with high water line, dry pond
- River, Sandbar
- Flood or dry
- Drain with pipe opening
- Stream, Intermittent
- Stream, Indefinite
- Barren dry on pond
- Fallen, Rapid
- Marsh, Swamp
- Wet area, Bligh with outcrop
- Wooded area, Small trees
- Single tree, Brush
- Hedge, Small trees
- Clearing, Small scattered trees
- CL SST

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

Proposed Double Circuit C/L & Structure

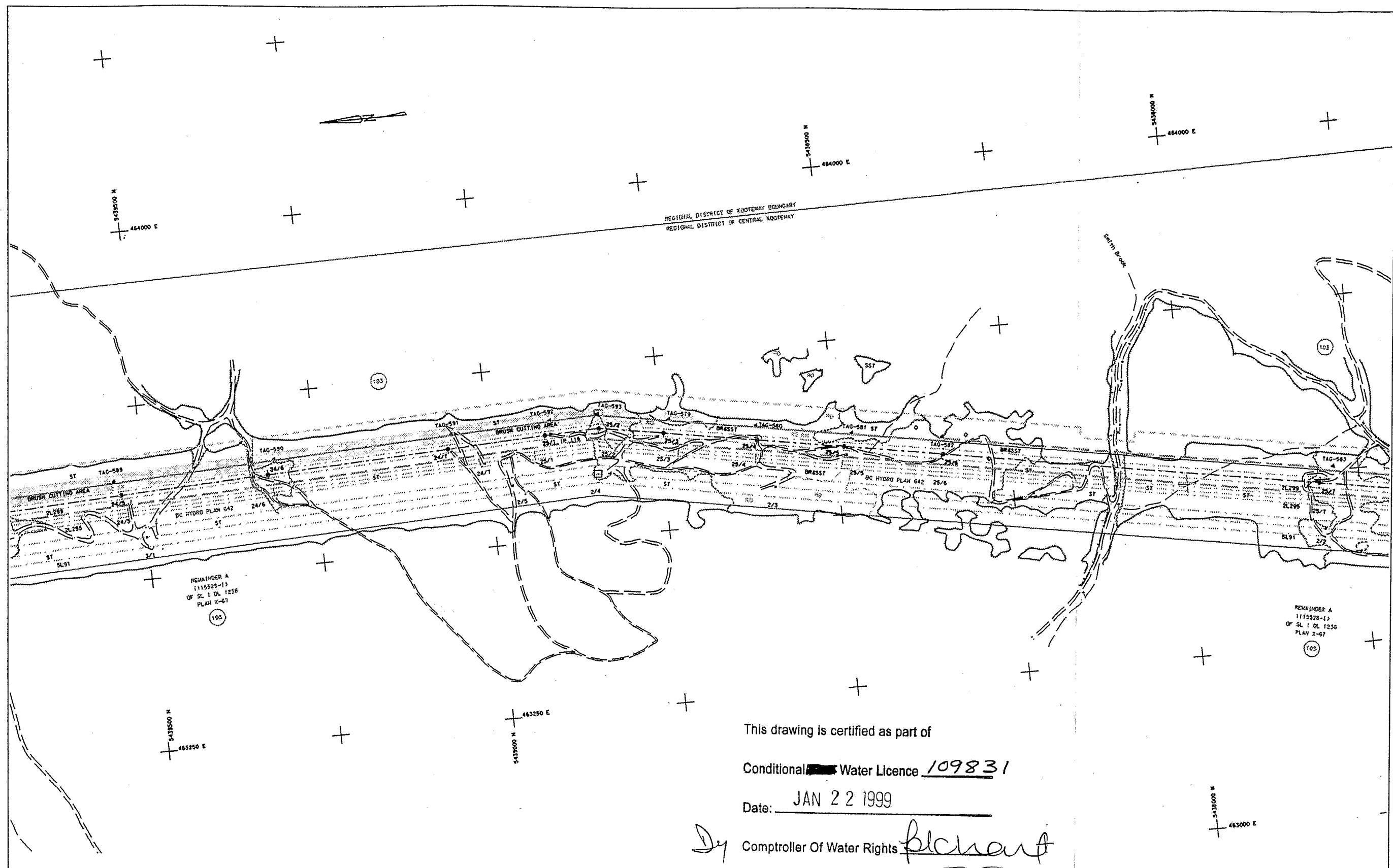
Proposed Narrow Single Circuit reconstruction of existing BCH T/L & Structure

Proposed Initial Clearing

Electrical Clearance Boundary

Tree Management Zone

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



This drawing is certified as part of

Conditional Water Licence 109831

Date: JAN 22 1999

By Blanchard
Comptroller Of Water Rights

LEGEND

ROADS: Hard surface / Loose surface / Shoulder	STEEL STRUCTURES: Right, Capped, with attachments	Lake / pond with high water line
SECONDARY ROADS: Access / Logging / Track	WOODEN STRUCTURES: 3 pole, 2 pole, 1 pole, with attachments	Shrub: Sandbar
Abandoned access road / trail	CONDUCTOR LINES: Transmission, Distribution	Flow arrow
Buildings / House / Barn / Silo	Loop standard: Road signpost/Ball switch	Drain with flag arrow
Run or Under Construction	Waterway base: Satellite data	Stream intermittent
Survey Control	Delineator, Marker	Stream indefinite
Parking area: Mailbox	Slope: Road, natural, Boulder	Beaver dam on pond
Railway, Abandoned railway	Dut / Fill / Embankment	Falls: Rapid
Contour boundary	Pile / Pylon	Moraine: Swamp
Pipeline (above ground)	Pile / Pylon / Equipment	Wet areas: Birch with alder
Pipeline (below ground)		Wooded area: Small trees
		Single tree: Brush
		Hedge: Shag trap
		Clearing: Small scattered trees

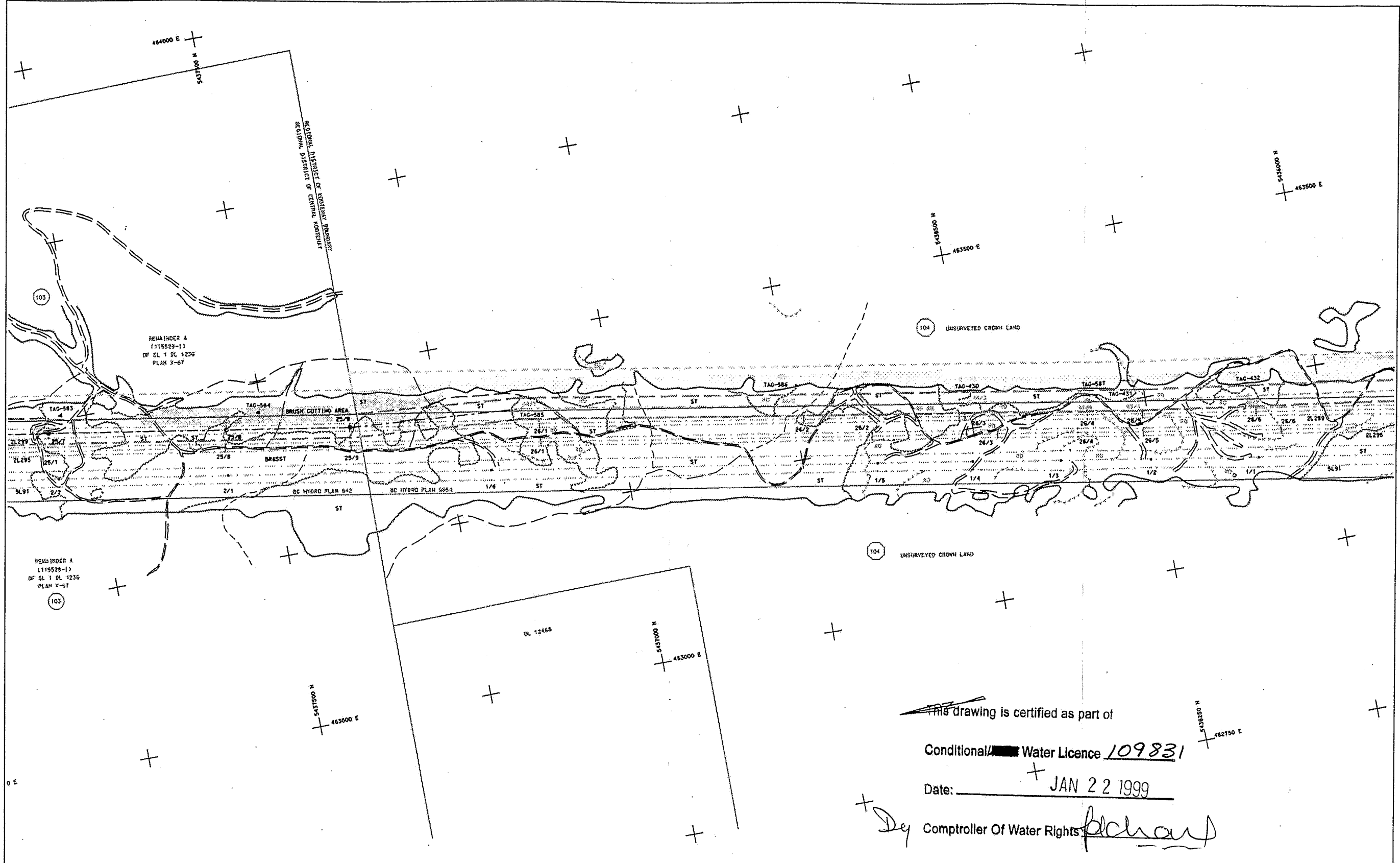
NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES. THE CADASTRAL INFORMATION HAS BEEN DERIVED FROM DATA ACQUIRED FROM THE REGIONAL DISTRICT OF CENTRAL KOOTENAY AND THE REGIONAL DISTRICT OF KOOTENAY BOUNDARY. THE ORIGIN AND SPATIAL INTEGRITY OF THIS DATA IS UNKNOWN.

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.	BCHydro	
INSPECTED	PHOTO DATE	OCT. 1995	
DATE	PHOTO SCALE	NOV. 4, 1998 1:10,000	
GRID ORIGIN	DATUM	UTM Z11/NAD83 GEODETIC	
N.T.S.	DWG. SCALE	82 F 1:2500	
CONTOUR INT.		DWG. NO.	2L289 - TOT - E14
		SHEET 25 OF 28	



This drawing is certified as part of
Conditional ~~Water~~ Water Licence 109831
Date: JAN 22 1999
Deputy Comptroller Of Water Rights *[Signature]*

- LEGEND**
- ROADS: Road Surface / Shoulder
Secondary Roads: Access / Logging / Trail
Abandoned access road / Trail
Building(s) / House / Barn / Silo
Ruin or Under Construction
Survey Control
Parking Area: Heliport
Railway: Abandoned Railway
Cadastral Boundary
Pile / Drive / Easement
- STEEL STRUCTURES: Single, Double, with attachment
WOODEN STRUCTURES: 3 poles, 2 poles, 1 pole, with attachment
CONDUCTOR LINES: Transmission, Distribution
Loop standard: Road sign/Post/Well switch
Micro-wave base: Satellite dish
Detector: Radar
Silo: Rack outdoor: Boulder
Dut / Pile / Easement
Pile / Drive / Easement
- Lake / pond with high water line
Dry pond
River: Sandbar
Pipe arch
Drain with flow arrow
Stream: Intermittent
Stream: Indefinite
Beaver dam on pond
Falls: Rapid
Marsh: Swamp
Net area: Bitch with current
Wooded area: Small trees
Single tree: Brush
Hedge: Sap 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 UNKNOWN.

Crown Land (12)
Private Land (36)

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

COLUMBIA POWER CORPORATION					
KEENLEYSIDE 150 MW POWERPLANT PROJECT					
KEENLEYSIDE POWERPLANT - BC HYDRO SELKIRK SUBSTATION 230 KV T/L					
CHECKED	PROJECT NO.	Bchydro			
	KPP 97	SURVEY and PHOTOGRAMMETRY DEPARTMENT			
INSPECTED	PHOTO DATE	OCT. 1995			
	PHOTO SCALE	1:10,000			
DATE	DATUM	NOV. 4, 1998			
GRID ORIGIN	UTM	Z11/NAD83			
N.T.S.	GEODETIC	SHEET 26 OF 28			
82 F	DWG. SCALE 1:2500	CONTOUR INT.	DWG. No.	2L289 - TOT - E14	0



This drawing is certified as part of

Conditional ~~Water~~ Licence 109831

Date: JAN 22 1999

By Comptroller Of Water Rights plchaut

LEGEND

- ROADS: Road surface.....
 Loose surface / Shoulder.....
 SECONDARY ROADS: Access / Logging /
 Track.....
 Abandoned access road / Trail.....
 Building(s) / House / Barn / Silo.....
 Ruin or Under Construction.....
 Survey Control.....
 Parking Area: Mailbox.....
 Railway: Abandoned railway.....
 Fence.....
 Electrical boundary.....
 Pipeline (above ground)
 (under ground).....

- STEEL STRUCTURES: Right: Output
 with attachment.....
 WOODEN STRUCTURES: 2 poles: 2 poles: 1 pole:
 with attachment.....
 CONDUCTION LINES: Transmission
 Distribution.....
 Lamp standards: Road signpost/Sail section.....
 Microwave base: Satellite dish.....
 Deflector: Blarney.....
 Silos: Rock outcrop: Boulder.....
 Cut / Fill / Embankment.....
 Pit / Lyle.....
 Pile / Cliff / Escarpment.....

- Lake / pond with high water line.....
 River: bank.....
 Pipe: arched.....
 Ditch with pipe arch.....
 Stream: intermittent.....
 Stream: headwater.....
 Beaver dam on pond.....
 Falls: Rapid.....
 Marsh: Swamp.....
 Wet area: Birch with outcrop.....
 Wooded area: Small trees.....
 Single tree: Bush.....
 Hedge: Snap tree.....
 Clearing: Small scattered trees.....

NOTE: THE LOCATION OF THE PROPOSED T/L, AS MARKED ON THE GROUND, IS ACCURATE TO +/- 2 METRES.
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 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 1/2
 Proposed Narrow Single Circuit reconstruction
 of existing BCH T/L & Structure 1/2
 Proposed Initial Clearing
 Electrical Clearance Boundary
 Tree Management Zone

Metres 100 0 100 200

DIGITAL MAP

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

Comptroller Of Water Rights blax

