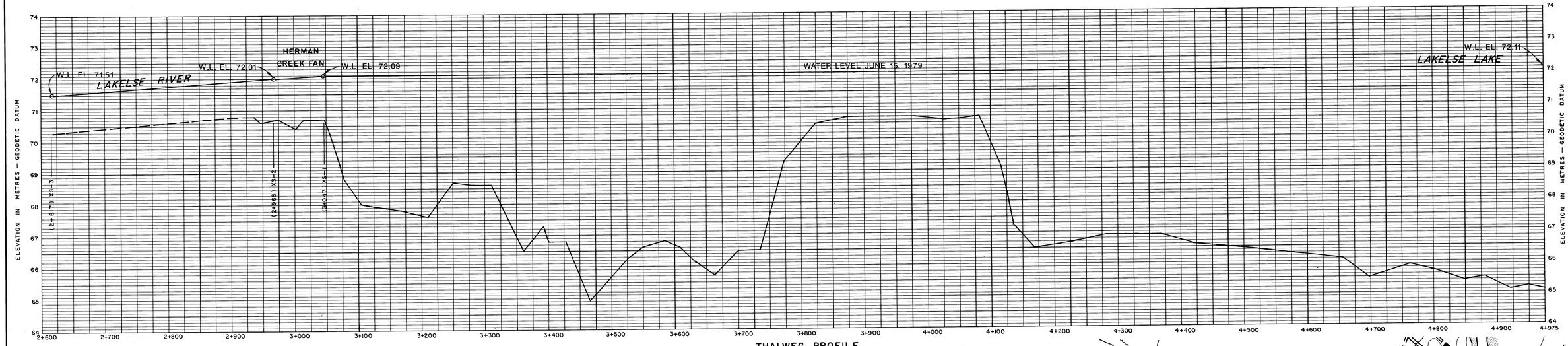
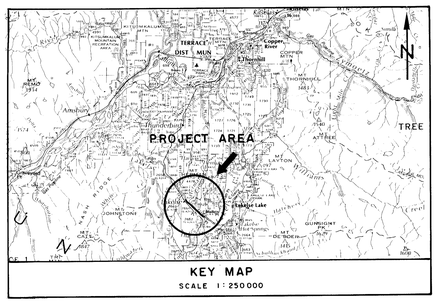


THALWEG PROFILE

SCALE HORIZ. 1:2 500
VERT. 1:50

NOTE:

This information is considered historical as it represents channel conditions and configuration at the time of the survey only. User must accept responsibility of ensuring that the accuracy and completeness of provided data is suitable for the needs of the project or study. It is provided "as is" without warranty of any kind, whether express or implied. Under no circumstances will the Government of British Columbia be liable to any person or business entity for any direct, indirect, special, incidental, consequential, or other damages based on any use of this information.



NOTES

1) This plan has been prepared by the Ministry of Environment and Parks, Province of British Columbia.

2) SURVEY DATA:
a) Field surveys were carried out by the Surveys Section, Water Management Branch in June 1979.
b) Horizontal control was established by E.D.M. traverse.
c) Vertical control was established by differential levelling, including a water level transfer across Lakelse Lake.
d) Position control for bathymetry was maintained by simultaneous fixes from theodolites which were set over coordinated shore stations.
e) Subaqueous depths were established by an echo sounding depth recorder.
f) Topography of outlet channel was obtained by stadia.

3) DATUM:
a) Horizontal control is based on stations GETSAL (No.74H2657) and ADAY (No.74H2587) established by Surveys and Resource Mapping Branch in 1974.
b) Coordinates are Universal Transverse Mercator, Zone 9, Central Meridian 129 degrees.
c) Vertical control is based on Bench Marks 1872-J and 1874-J established by Geodetic Survey of Canada in 1963.
d) Elevations are in metres and referred to Canadian Geodetic Datum.

4) FIELD BOOKS:
Survey data are recorded in Field Books No. 2231F-1, 2231F-3, 2231L-1, 2231L-2, 2231L-3 and 2231I-1.

5) MAPPING:
Planimetric and topographic details above elevation 71.7 were obtained from Standard B.C.G.S. Map Sheets No. 1031.037.4.2, 1031.037.4.4 and 1031.038.3.1 (Scale 1:5000) produced by the Surveys and Resource Mapping Branch under Project No.83-147T with aerial photography flown in 1983 and 1985.

6) Chainage 0+000 for Lakelse River thalweg originated at Cross Section 12 which is 25 metres downstream from centerline of Canadian National Railway Bridge.

7) REFERENCE POINTS:

	Northing	Easting	Elevation
T.B.M. 3758			80.020
T.B.M. 3807			73.576
Station 16 (Spike)	6 025 575.544	524 915.634	75.97
Station 17 (Bolt)	6 025 649.041	524 896.980	73.25
Station 18 (Spike)	6 025 544.678	524 923.391	85.6
Station 16 → Station 17	N 14-14-28 W	75.827	
Station 16 → Station 18	S 14-06-26 E	31.826	
Station 17 → Station 18	S 14-12-06 E	107.653	

Distances between reference points as shown are grid or projection distances.

LEGEND

- TRIANGULATION STATION
- REFERENCE MONUMENT (P.CON.or P.ROCK)
- 50 000 HORIZ. CONTROL POINT
- 60 000 VERT. CONTROL POINT
- T.B.M. TEMPORARY BENCH MARK
- TEMPORARY REFERENCE POINT
- ROAD, TRAIL, CREEK, CREEK INTERMITTENT, SWAMP
- 70.8 BATHYMETRIC SPOT ELEVATION
- AIR PHOTO CENTER

STORAGE LICENCES

LICENCE	PRIORITY DATE	AUTHORIZED ACRE-FEET	DEVELOPED ACRE-FEET

REFERENCES

DWG. No.	DESCRIPTION	DATE

REVISIONS

No.	DESCRIPTION	DATE

SURVEYED M. PRONK
DATE JUNE 1979
COMPILED T. STEWART
CHECKED
DATE JAN. 1988
DRAWN N.F.A.
APPROVED
HEAD, DRAFTING SECTION
DATE JAN. 1988
ENGINEER

Province of British Columbia
Ministry of Environment and Parks
WATER MANAGEMENT BRANCH

LAKELSE RIVER

BETWEEN LAKELSE LAKE AND HERMAN CREEK

BATHYMETRIC AND TOPOGRAPHIC PLAN AND THALWEG PROFILE

APPROVED
HEAD, SURVEYS SECTION
DATE JAN. 1988

FILE Nos.
Branch
SURVEY PROJECT No. 79-FOC-2
NTS Map No. 103.1/7
Map Scale 1:50000
SCALE 1:2 500
NEGATIVE No. 272523
DRAWING No. 87-63-1
SHEET 1 of 1

DD