



OKANAGAN LAKE

NOTE: PROBABLE ACCURACY OF PHOTOGRAMMETRIC SPOT HEIGHTS ± .30M

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 map has been prepared from field surveys carried out by the Surveys Sub-section, Planning and Surveys Section, Water Management Branch, and photogrammetric mapping compiled by the Surveys and Mapping Branch of the Ministry of Environment, Province of British Columbia.
- 2) **SURVEY DATA:**
 - a) Horizontal control for the bathymetry was established by traverse using Hewlett-Packard Distance Meter, Model 3800B and Tellurometer, Model MRA 101.
 - b) Subaqueous contours were drawn from depths established by Raytheon Depth Recorder, Model DE-719B.
 - c) Position control for bathymetry was maintained by simultaneous fixes from theodolites which were set over coordinated shore stations.
 - d) Contours between Elevation 342.53 and Elevation 345.0, were drawn from cross-sections obtained by field surveys. The location of cross-section lines was established by photo-identification.
- 3) **DATUM:**
 - a) The horizontal control for the bathymetry is based on Integrated Survey Monument No's. 75H2809, 75H1699, 6483 and 6470, Kelowna, established by the Surveys Section, Surveys and Mapping Branch.
 - b) The horizontal control for land topography is based on Mapping Project 72-57.
 - c) Coordinates are Universal Transverse Mercator, Zone 11, Central Meridian 117°.
 - d) For the bathymetry and additional vertical control, the elevations are in metres and referred to Bench Mark No's. 1436-J and 1437-J, Peachland, established by Geodetic Survey of Canada, 1959.
- 4) **FIELD BOOKS:**
 - a) Survey data are recorded in Field Book No's. 2260L-1 to L-6, 2250L-1 to L-6 and 2250I-1.

- 5) **MAPPING:**
 - a) The area was mapped under Project No. 72-57 at a scale of 1:5000 using second order photogrammetric equipment.
 - b) **AIR PHOTOGRAPHS:**
 - For Mapping Project 72-57, B.C. 5512: Frames 161 to 171 and 225 to 234, exposed on August 25, 1972. Photo scale - Approx. 1:30 000.
 - For Mapping Project 80-135T, B.C. 5654: Frames 021 to 027, exposed on May 30, 1975. Photo scale - Approx. 1:7600.
 - c) **REFERENCE MONUMENTS:**

	Northing	Easting	Elevation
W.R.S. Mon 1196	5 517 112.849	311 155.321	346.4
W.R.S. Mon 1687	5 525 975.702	318 019.806	434.571
W.R.S. Mon 878	5 521 336.226	319 908.054	344.07
 - d) **Legal Survey**

Mon 103/336	5 516 036.773	302 372.806	344.73
Mon 878	Mon 1687	N25° 09' 17"W	5 007.161
Mon 878	Mon 1196	S64° 13' 52"W	9 719.266
- 6) **PROJECTION:**
 - a) Distance between Monuments as shown is GRID or PROJECTION DISTANCE.

LEGEND	
---	200 YEAR FLOODPLAIN LIMIT ELEVATION IN METRES
---	EDGE OF UNDERWATER SHELF
---	NORMAL HIGH WATER OPERATING LEVEL

KEY MAP	
SEE DRAWING NO. 4567A-76	

REFERENCES			
DWG. No.	DESCRIPTION	DATE	No

REVISIONS			
No	DESCRIPTION	DATE	

SURVEYED	B. SCHUBERT	DATE	JULY, 1979
COMPILED	J. TAM	CHECKED	<i>[Signature]</i>
DRAWN	<i>[Signature]</i>	DATE	DEC. 1984
CHECKED	<i>[Signature]</i>	DATE	NOV. 1982
ENGINEER		APPROVED	<i>[Signature]</i>

Province of British Columbia Ministry of Environment WATER MANAGEMENT BRANCH

STORAGE INVENTORY PROGRAMME OKANAGAN BASIN - COLUMBIA SYSTEM

OKANAGAN LAKE
 BATHYMETRIC PLAN OF LAKE SHELF
 PEACHLAND AREA

FILE No. 0305080-1
 Inventory Project No. 78 - SIP - 5
 NTS Map No. 82E/13
 SCALE 1:2500
 DRAWING No. 4567-76P
 SHEET 89 of 103