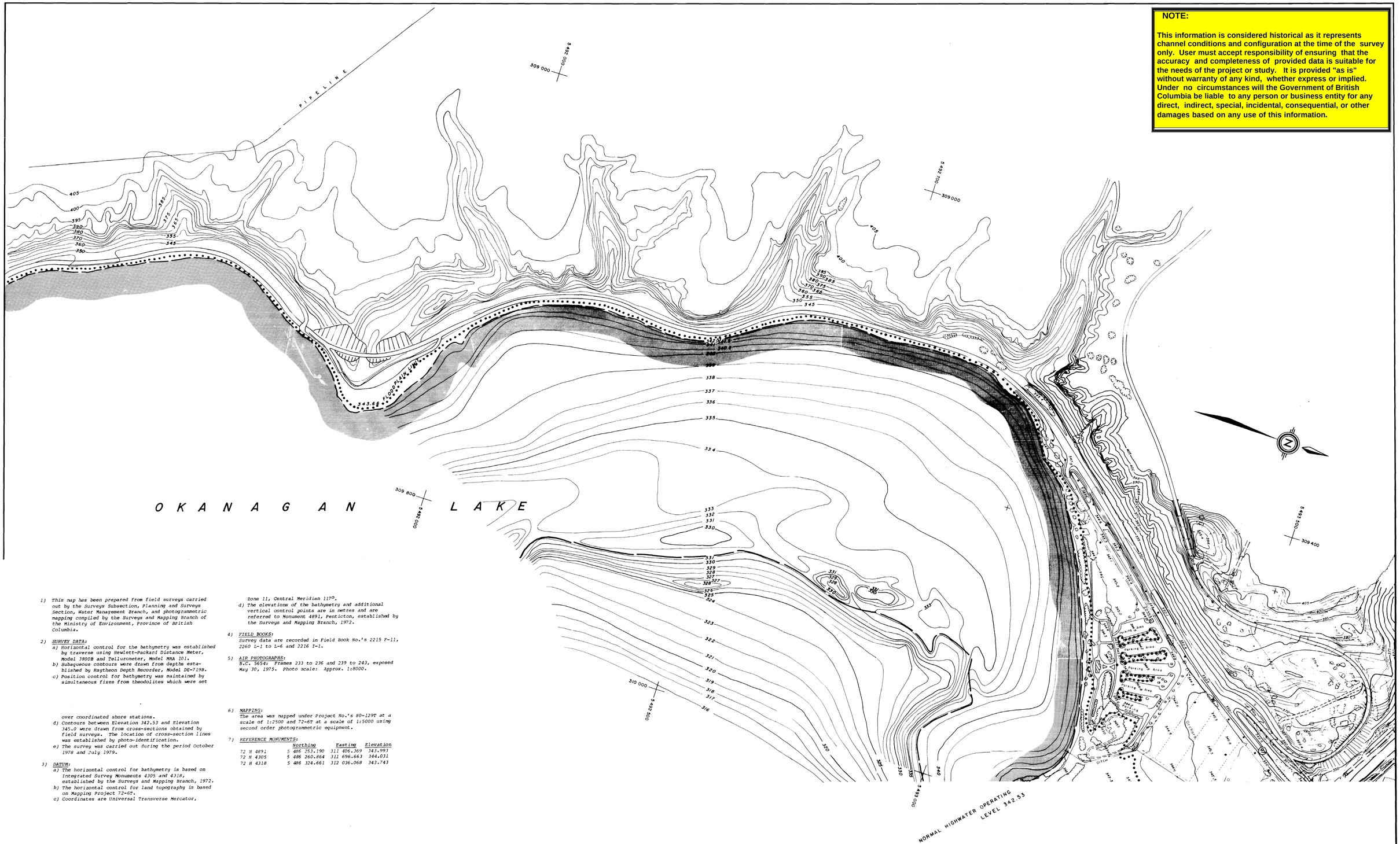
NOTE:

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.



1) *This map has been prepared from field surveys carried out by the Surveys Subsection, 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 3808B and Pellurometer, 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.*
   e) *The survey was carried out during the period October 1978 and July 1979.*

3) *DATUM:*
   a) *The horizontal control for bathymetry is based on Integrated Survey Monuments 4305 and 4318, established by the Surveys and Mapping Branch, 1972.*
   b) *The horizontal control for land topography is based on Mapping Project 72-6T.*
   c) *Coordinates are Universal Transverse Mercator, Zone 11, Central Meridian 119°.*
   d) *The elevations of the bathymetry and additional vertical control points are in metres and are referred to Monument 4891, Penticton, established by the Surveys and Mapping Branch, 1972.*

4) *FIELD BOOKS:*
   Survey data are recorded in Field Book No.'s 2215 F-11, 2260 L-1 to L-6 and 2216 I-1.

5) *AIR PHOTOGRAPHS:*
   B.C. 5654: Frames 233 to 236 and 239 to 243, exposed May 30, 1975. Photo scale: Approx. 1:8000.

6) *MAPPING:*
   The area was mapped under Project No.'s 80-129T at a scale of 1:2500 and 72-6T at a scale of 1:5000 using second order photogrammetric equipment.

7) *REFERENCE MONUMENTS:*

	Northing	Easting	Elevation
72 H 4891	5 486 253.190	311 406.369	343.993
72 H 4305	5 486 260.864	311 696.663	344.031
72 H 4318	5 496 324.661	312 036.068	343.743

LEGEND

- •••343.66••• 200 YEAR FLOODPLAIN LIMIT ELEVATION IN METRES
- — — — — EDGE OF UNDERWATER SHELF
- —342.53— NORMAL HIGH WATER OPERATING LEVEL

50m 0 50 100 150m
SCALE 1:2500

KEY MAP

SEE DRAWING NO. 4567A-76

REFERENCES

DWG. No.	DESCRIPTION	DATE

REVISIONS

No.	DESCRIPTION	DATE

SURVEYED B. SCHUBERT
DATE OCT., 1978
COMPILED J. TAM
CHECKED
DATE
DRAWN
CHECKED
DATE DEC. 1984
ENGINEER

Province of British Columbia
Ministry of Environment
WATER MANAGEMENT BRANCH

STORAGE INVENTORY PROGRAMME
OKANAGAN BASIN - COLUMBIA SYSTEM

OKANAGAN LAKE

BATHYMETRIC PLAN OF LAKE SHELF SUMMERLAND AREA

APPROVED
HEAD SURVEYS SUBSECTION
DATE

FILE Nos.
Branch
Inventory 0305080-1
SURVEY PROJECT No. 78-SIP-5
NTS Map No. 82 E/12
SCALE 1:2500
DRAWING No. 4567-76P
SHEET 101 of 103

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