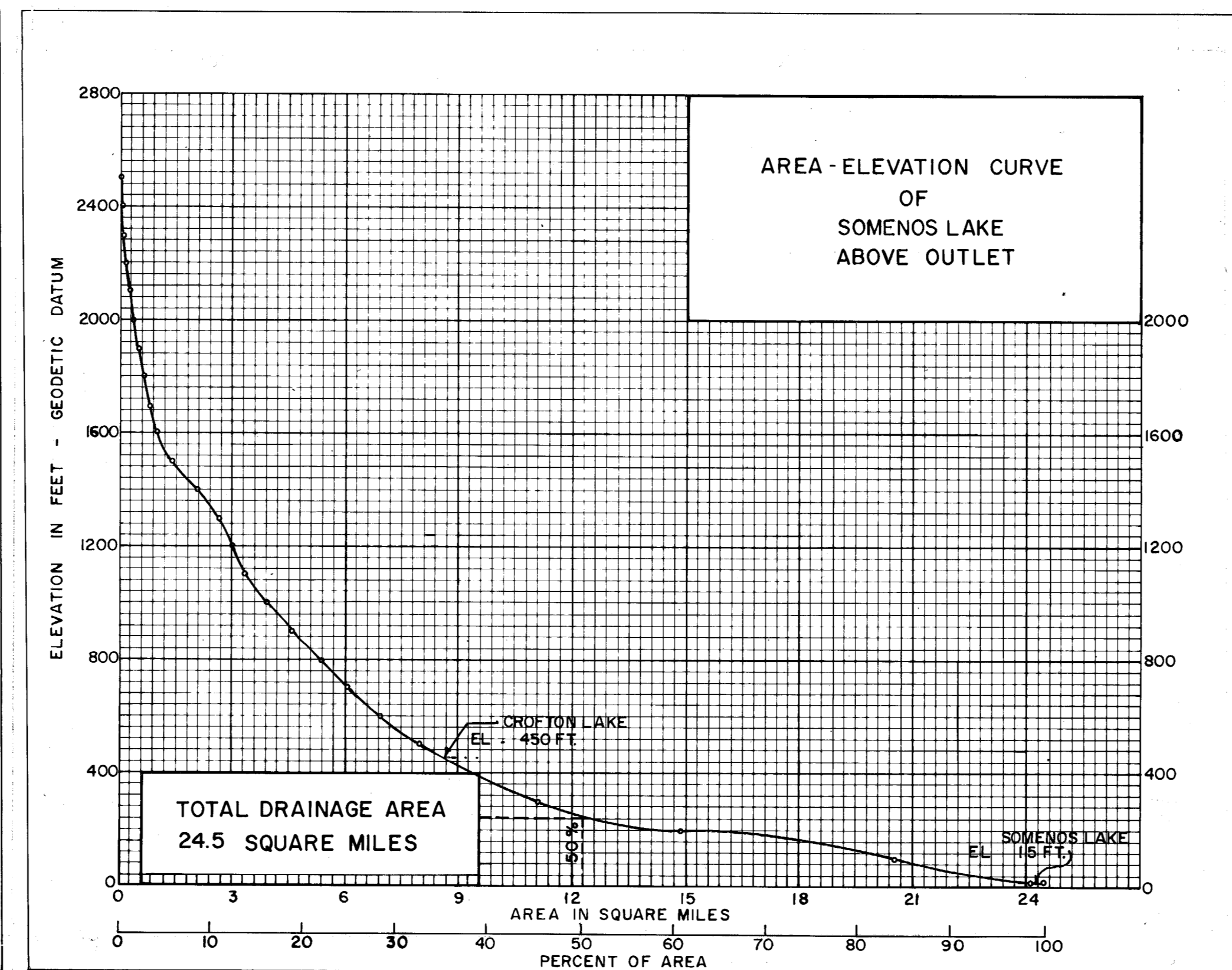
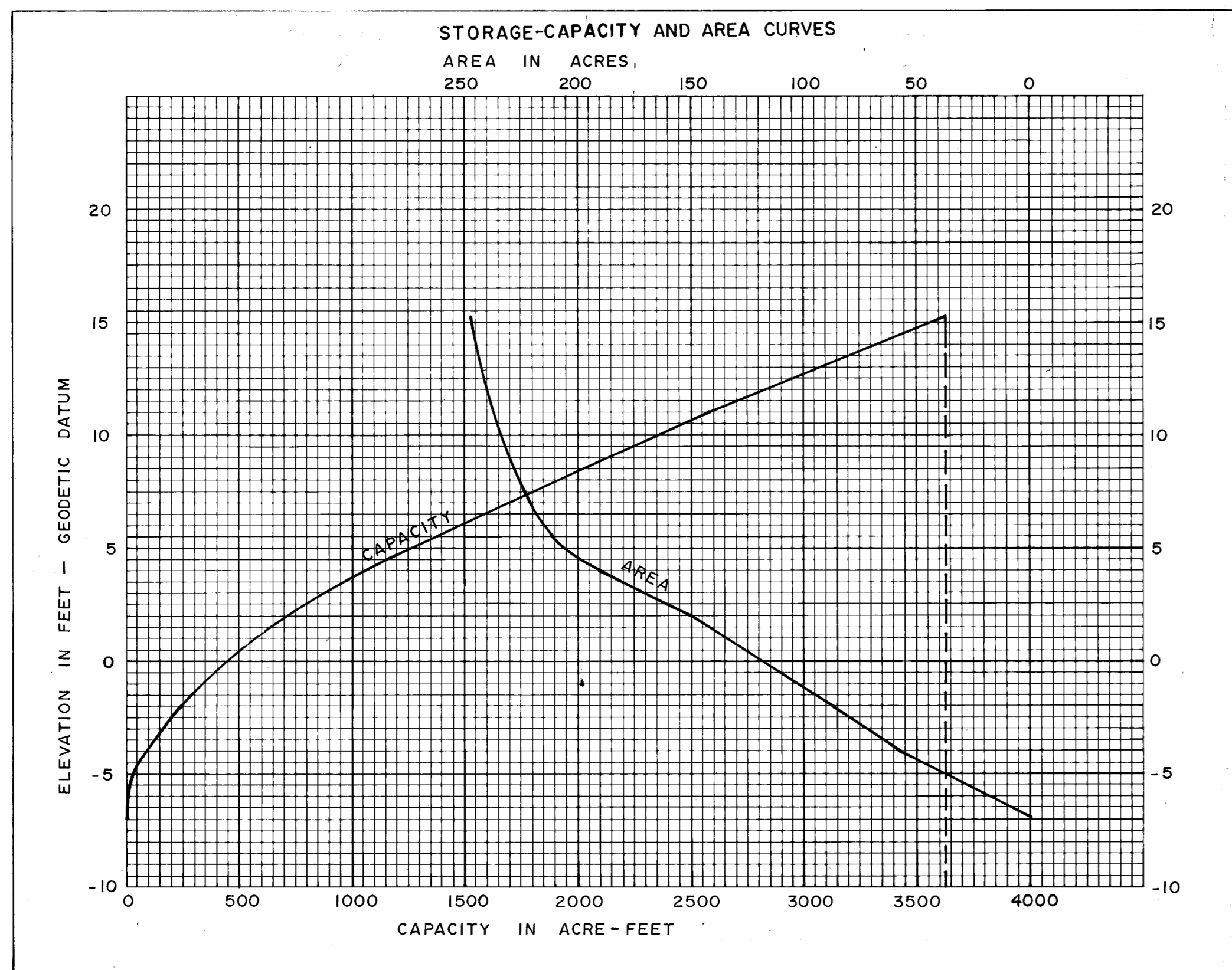
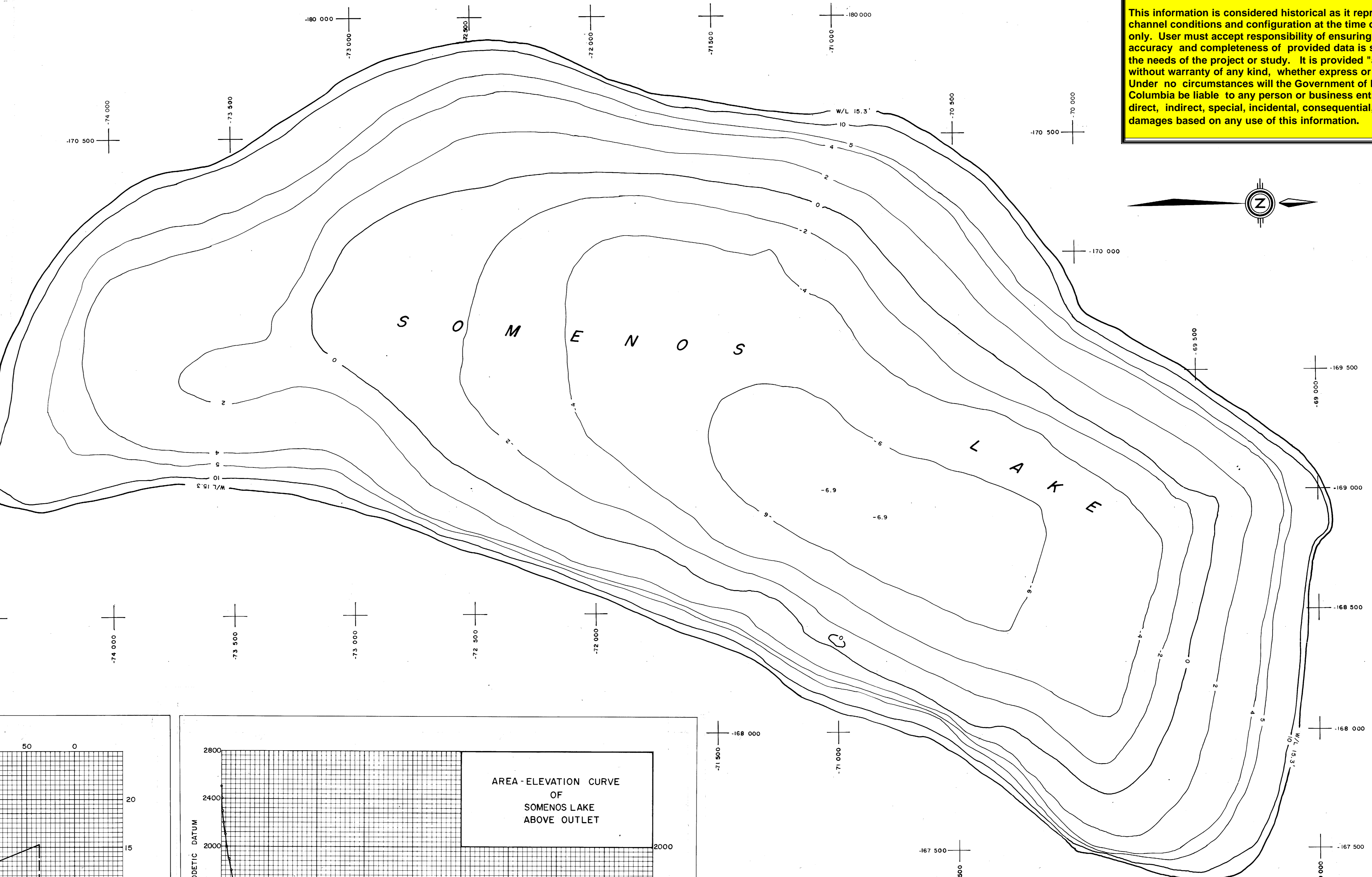


NOTE:
 This information is considered historical as it represents channel conditions and configuration at the time of the survey only. User must accept responsibility of ensuring that the accuracy and completeness of provided data is suitable for the needs of the project or study. It is provided "as 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.

MAPPING DATA		STORAGE CAPACITY				REMARKS
Contour Elevation	Local Datum	Area in Acres	Depth of Storage in Feet	Area in Acres	Storage in Acre-Feet	
-6.9	0.0	-19.9	0.0	7.8	0	Low Point Lake Bottom
-6.0	17.4	-19.0	17.4	76	8	
-4.0	58.6	-17.0	58.6	146	84	
-2.0	87.0	-15.0	87.0	206	229	
0.0	118.9	-13.0	118.9	270	435	
2.0	150.9	-11.0	150.9	342	705	
4.0	190.7	-9.0	190.7	398	1046	
5.0	205.8	-8.0	205.8	410	1245	
10.0	234.9	-3.0	234.9	475	2346	
13.0	241.9	0.0	241.9	563	3061	High Point in Channel
15.3	247.4	2.3	247.4	563	3624	



NOTES

- This map has been prepared from field surveys carried out by the Surveys Section, Planning and Surveys Division, Water Investigations Branch, Ministry of the Environment, Province of British Columbia.
- SURVEY DATA:**
 - Horizontal control was established by Tellurometer Traverse.
 - Subaqueous contours were determined by Raytheon Depth Sounder Model DE-1199.
 - Bathymetric fix is made independently by having simultaneous observations to the transducer taken by theodolite from two shore stations.
 - Photogrammetric mapping was obtained using the Multiplex Projector and mapped at scale: 1 inch = 500 feet.
- DATUM:**
 - Coordinates are polyconic rectangular referred to Latitude 49° and Longitude 123°.
 - The horizontal control for the bathymetric plan is based on Station UPROAR, Bolt No. 4463 established by Field Operations Division, Surveys and Mapping Branch, 1970.
 - Elevation (feet) are referred to Bench Mark No. 73 C015, established by Geodetic Survey of Canada, 1973.
- FIELD BOOKS:** Survey Data are recorded in Field Book No.s 2158 F-2 and 2158 F-4.
- AIR PHOTOGRAPHS:** B.C. 5001 Frames 210 to 214 inclusive, exposed May 17, 1958. Photo scale: 1 inch = 1000 feet.
- MAP PRODUCTION DIVISION:** Map Programme No. Job No. M 75 and mapped at scale 1 inch = 500 feet.

LEGEND

- ▲ TRIANGULATION STATION
- P. CON. OR P. ROCK
- ⊙ 50000 HOR. CONTROL POINT
- ⊙ 60000 VERT. CONTROL POINT
- AIR PHOTO CENTRE
- === ROAD, --- TRAIL, --- CREEK
- - - CREEK INTERMITTENT, --- SWAMP
- BOUNDARIES:
- BASINS
- SUB-BASINS

STORAGE LICENCES			
LICENCE	PRIORITY	AUTHORIZED	DEVELOPED
	DATE	ACRE- FEET	ACRE- FEET
4984 B-2			
A5177-1			

REFERENCES		REVISIONS	
NO.	DESCRIPTION	NO.	DATE
1	MAP SHOWING DRAINAGE AREAS AND AREA ELEVATION CURVES. <td>1</td> <td>JUNE 1979</td>	1	JUNE 1979
2	PLAN SHOWING AREA SUBJECT TO FLOODING AT HIGHWATER LEVELS <td></td> <td></td>		

SURVEYED BY: T. DIGNAN
 DATE: JUNE 16, 1977
 DESIGNED BY: [Signature]
 DRAWN BY: [Signature]
 TRACED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: FEB. 1978

BRITISH COLUMBIA
 MINISTRY OF THE ENVIRONMENT
 ENVIRONMENTAL AND ENGINEERING SERVICES
 WATER INVESTIGATIONS BRANCH

STORAGE INVENTORY PROGRAMME
 COWICHAN BASIN - VANCOUVER ISLAND SYSTEM

BATHYMETRIC PLAN OF SOMENOS LAKE

APPROVED: [Signature] DATE: FEB. 1978
 HEAD, SURVEYS SECTION PLANNING & SURVEYS DIV.

FILE NUMBERS: 0305080 - 36
 INVENTORY: 75 - F2
 SCALE: 1 inch = 500 ft
 SURVEY PROJECT NO.: 4984 - 3
 DWG. NO.: 272 027
 SHEET: 1 of 1