

1985
LAC LE JEUNE

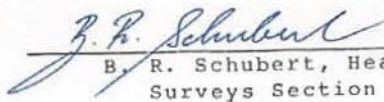
- 1) This map has been prepared by the Ministry of Environment and Parks, Province of British Columbia.
- 2) SURVEY DATA:
 - a) Field surveys were conducted by the Surveys Section, Water Management Branch.
 - b) Horizontal control was established by E.D.M. traverse.
 - c) Subaqueous contours were drawn from depths obtained by echo sounding depth recorder.
 - d) Position control for the bathymetry was maintained by simultaneous fixes from theodolites set over coordinated shore stations.
 - e) The survey was carried out in June 1982.
- 3) DATUM:
 - a) Horizontal control is based on Station "CHUWHELS", Bolt No. 35700 and Green Mountain Lookout, established by Geodetic Survey of Canada in 1935.
 - b) Coordinates are Universal Transverse Mercator, Zone 10, Central Meridian 123°.
 - c) Elevations are in metres and referred to the Canadian Geodetic datum.
 - d) Elevation of Sounding Station No.2 was established by tellurometer and reciprocal vertical angles from Station "CHUWHELS". Project area elevations were controlled by a conventional level network.
- 4) FIELD BOOKS:
Survey data are recorded in Field Books No. 2331-F1, 2331-F2, 2331-L1, 2331-L2 and 2331-11.
- 5) AIR PHOTOGRAPHS:
Roll No. BC82027: Frames 56-59 and 64-67 inclusive.
Date of Photography: August 19, 1982.
Photo Scale: 1 : 20 000 approximately.
- 6) MAPPING:
The project area above water level was mapped under Project No. 83-102T at a scale of 1:5000, using second order photogrammetric equipment.

7) REFERENCE MONUMENTS:

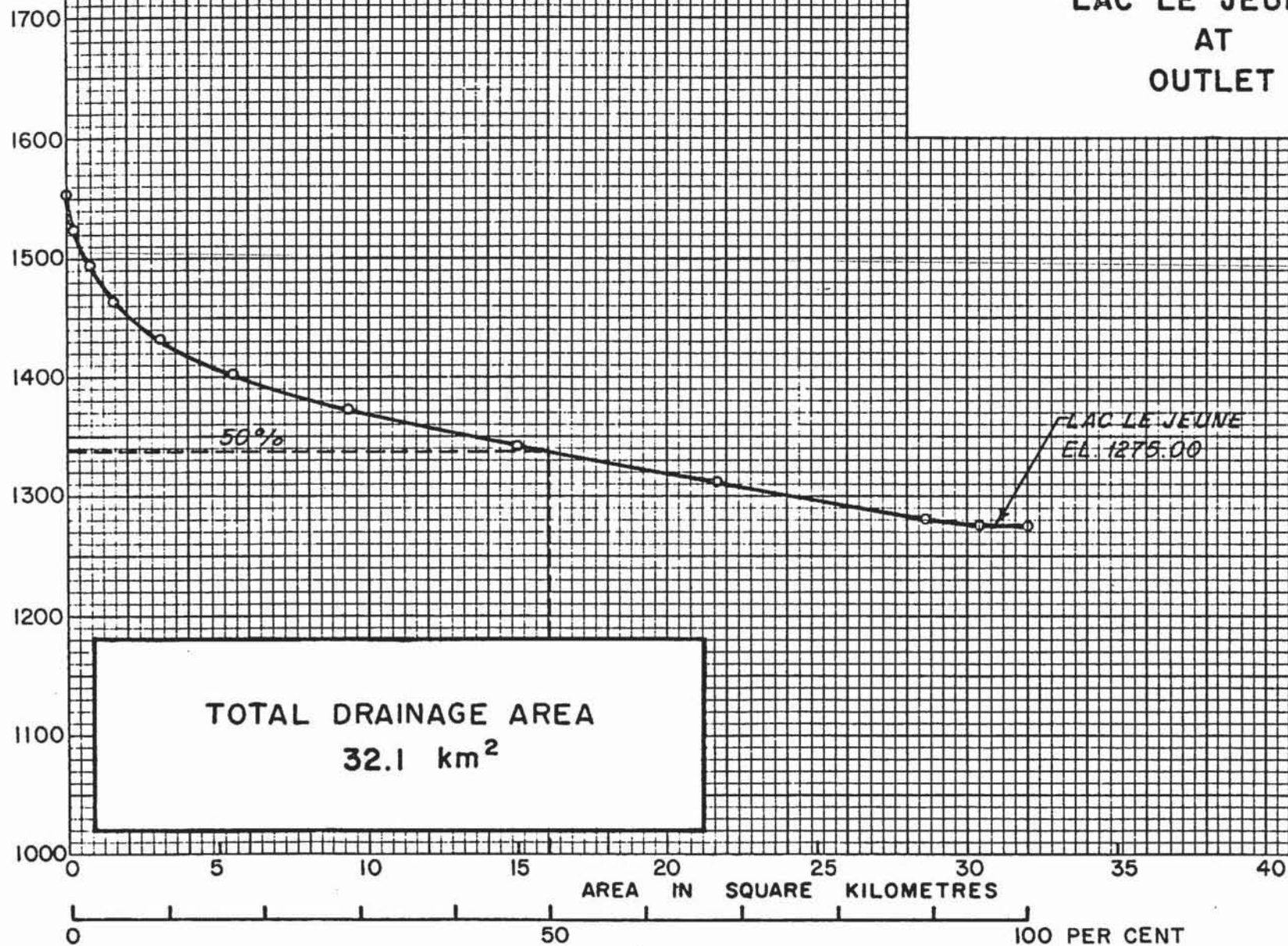
	Northing	Easting	Elevation
82HW066	5 595 215.324	678 626.012	1 278.550
82HW067	5 595 201.179	678 475.002	1 277.624
82HW067 — 82HW066	N 84-38-56 E	151.671	

Distance between monuments as shown is Grid or Projection Distance.

Prepared by: Water Management Branch
Ministry of Environment & Parks
Province of British Columbia

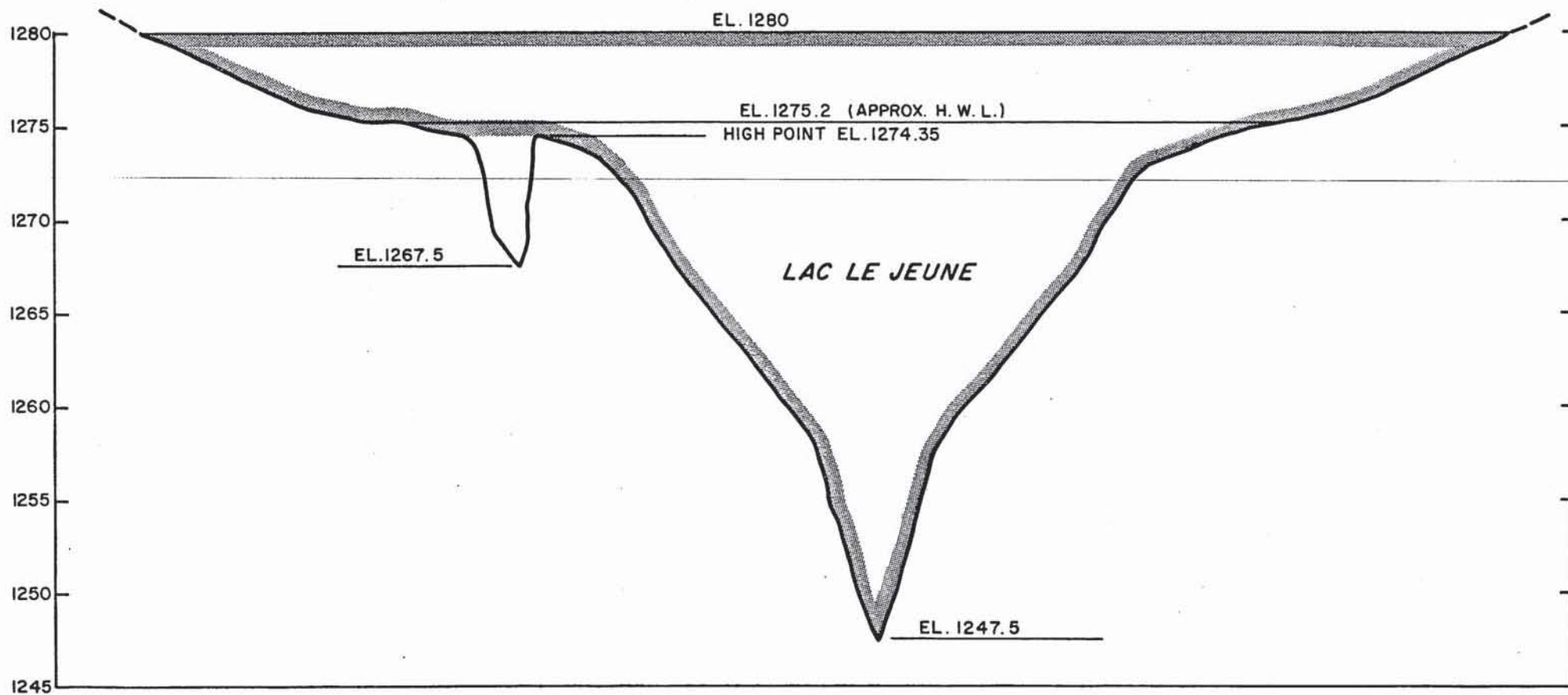

B. R. Schubert, Head
Surveys Section

AREA-ELEVATION CURVE FOR LAC LE JEUNE AT OUTLET

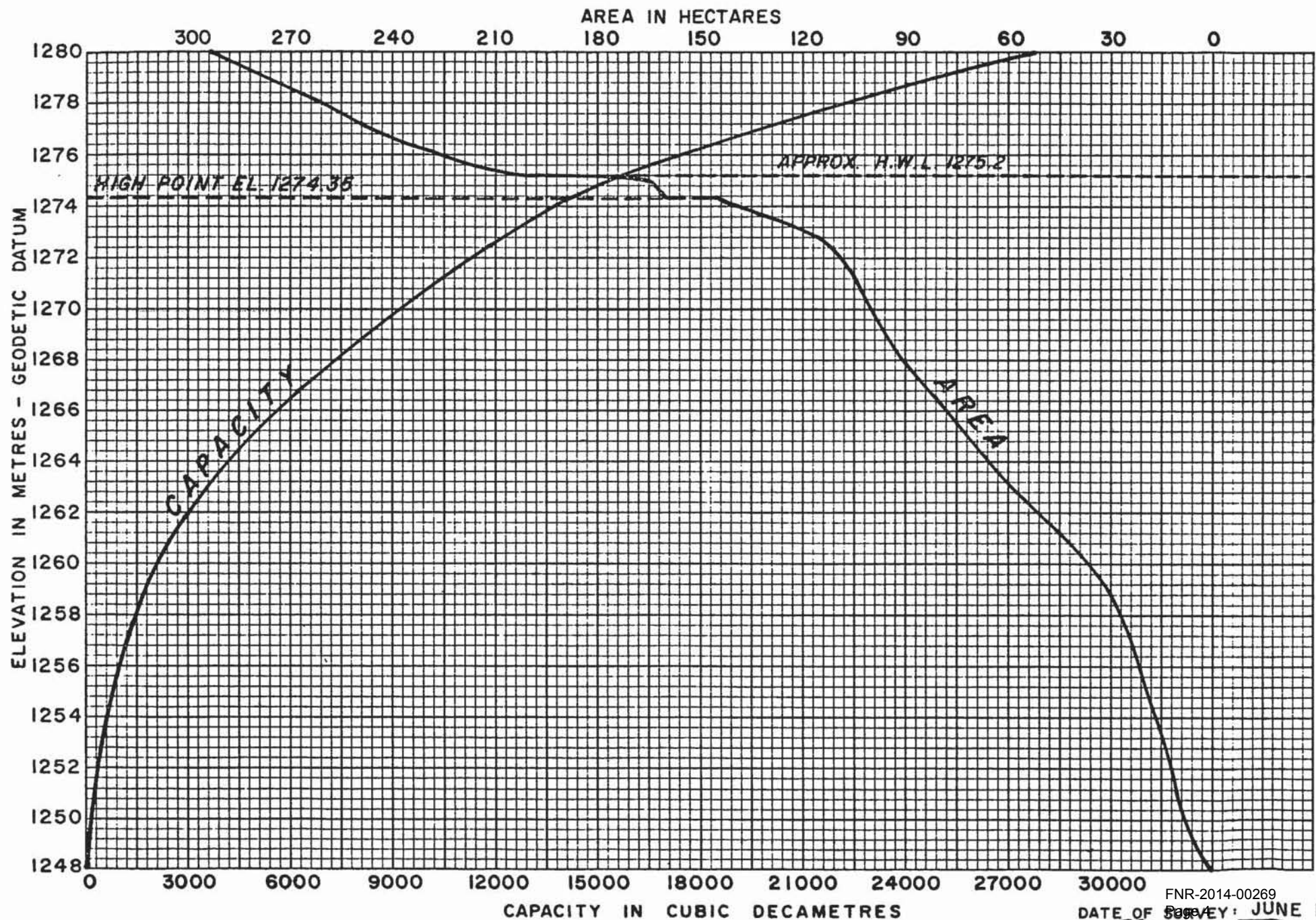


STORAGE COMPUTATION SKETCH

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STORAGE CAPACITY AND AREA CURVES (A)



FNR-2014-00269

DATE OF SURVEY: JUNE 1982

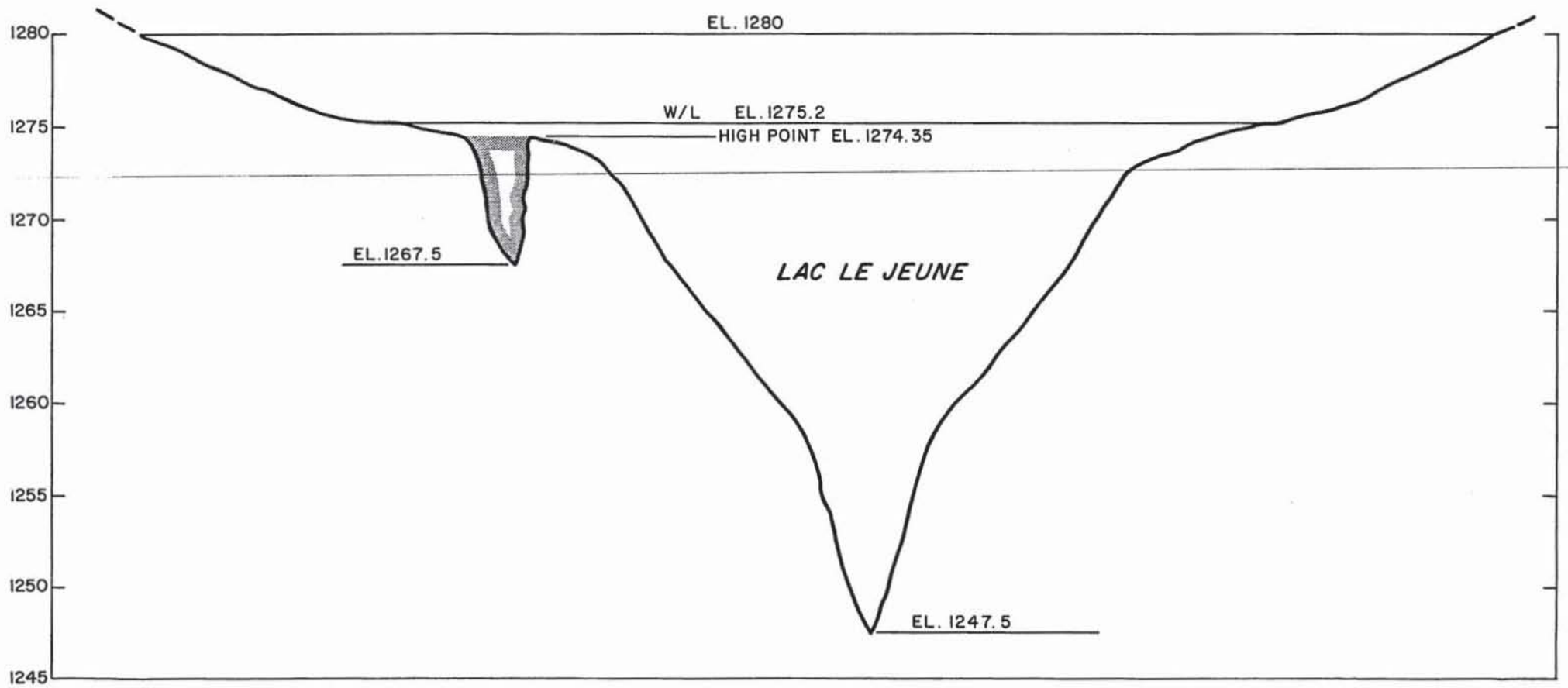
STORAGE CAPACITY TABLE Lac Le Jeune							(A)	Page 1
MAPPING DATA			STORAGE CAPACITY				REMARKS	
CONTOUR ELEVATION		Area In Hectares	Depth of Storage In Metres	Area In Hectares	STORAGE IN DECAMETRES ³			
Geodetic Datum	Local Datum				Net	Gross		
1247.5		0.01	0.0			0	Low point in lake	
1248		0.97	0.5		2	2		
			1.0	2.95	10	12		
1249		4.93	1.5		20	32		
			2.0	6.77	29	61		
1250		8.61	2.5		39	100		
			3.0	9.49	45	145		
1251		10.4	3.5		50	195		
			4.0	11.2	53	248		
1252		12.0	4.5		58	306		
			5.0	13.0	63	369		
1253		14.0	5.5		67	436		
			6.0	15.4	74	510		
1254		16.8	6.5		81	591		
			7.0	18.0	87	678		
1255		19.2	7.5		93	771		
			8.0	20.5	99	870		
1256		21.7	8.5		106	976		
			9.0	22.7	111	1087		
1257		23.7	9.5		116	1203		
			10.0	25.4	122	1325		
1258		27.0	10.5		131	1456		
			11.0	28.9	140	1596		
1259		30.8	11.5		149	1745		
			12.0	33.7	161	1906		
1260		36.7	12.5		176	2082		
			13.0	40.4	193	2275		
1261		44.1	13.5		211	2486		
			14.0	47.7	230	2716		
1262		51.3	14.5		247	2963		
			15.0	55.3	267	3230		
1263		59.3	15.5		286	3516		
			16.0	62.5	305	3821		
1264		65.8	16.5		321	4142		
			17.0	68.7	336	4478		
1265		71.7	17.5		351	4829		
			18.0	74.8	366	5195		
1266		78.0	18.5		382	5577		
			19.0	81.0	398	5975		
1267		84.0	19.5		412	6387		
			20.0	87.5	429	6816		
1268		91.0	20.5		446	7262		
					461			

STORAGE CAPACITY TABLE							(A)	Page 2
MAPPING DATA			STORAGE CAPACITY				REMARKS	
CONTOUR ELEVATION		Area In Hectares	Depth of Storage In Metres	Area In Hectares	STORAGE IN DECAMETRES ³			
Geodetic Datum	Local Datum				Net	Gross		
1269		95.7	21.0	93.4	473	7723		
			21.5		484	8196		
			22.0	97.8	494	8680		
1270		99.8	22.5		504	9174		
			23.0	102.0	515	9678		
			23.5		526	10193		
1271		104.1	24.0	106.2	536	10719		
			24.5		553	11255		
			25.0	113.0	577	11808		
1272		108.2	25.5		239	12385		
			25.7	122.2	249	12624		
			25.9	126.6	258	12873		
1273		117.7	26.1	131.1	267	13131		
			26.3	135.5	275	13398		
			26.5		283	13673		
1274		140.0	26.7	143.1	216	13956		
					81			
			26.9	161.4	325	14253		
1274.35 1274.35		145.5 161.1	27.1	162.8	327	14578	High Point	
			27.3	164.2	330	14905		
			27.5		363	15235		
1275		165.6	27.7		403	15598	Approx. H.W.L. (Date of photography)	
			27.9	204.8	416	16001		
			28.1	211.6	430	16417		
1275.2		198.1	28.3	218.4	444	16847		
			28.5		454	17291		
			28.7	228.6	461	17745		
1276		225.1	28.9	232.2	467	18206		
			29.1	235.7	475	18673		
			29.3	239.2	482	19148		
1278		260.4	29.5	242.8	1236	19630		
			30.0	251.6	1280	20866		
			30.5		1323	22146		
1280		293.2	31.0	268.6	1363	23469		
			31.5	276.8	1405	24832		
			32.0	285.0	1446	26237		
			32.5			27683		

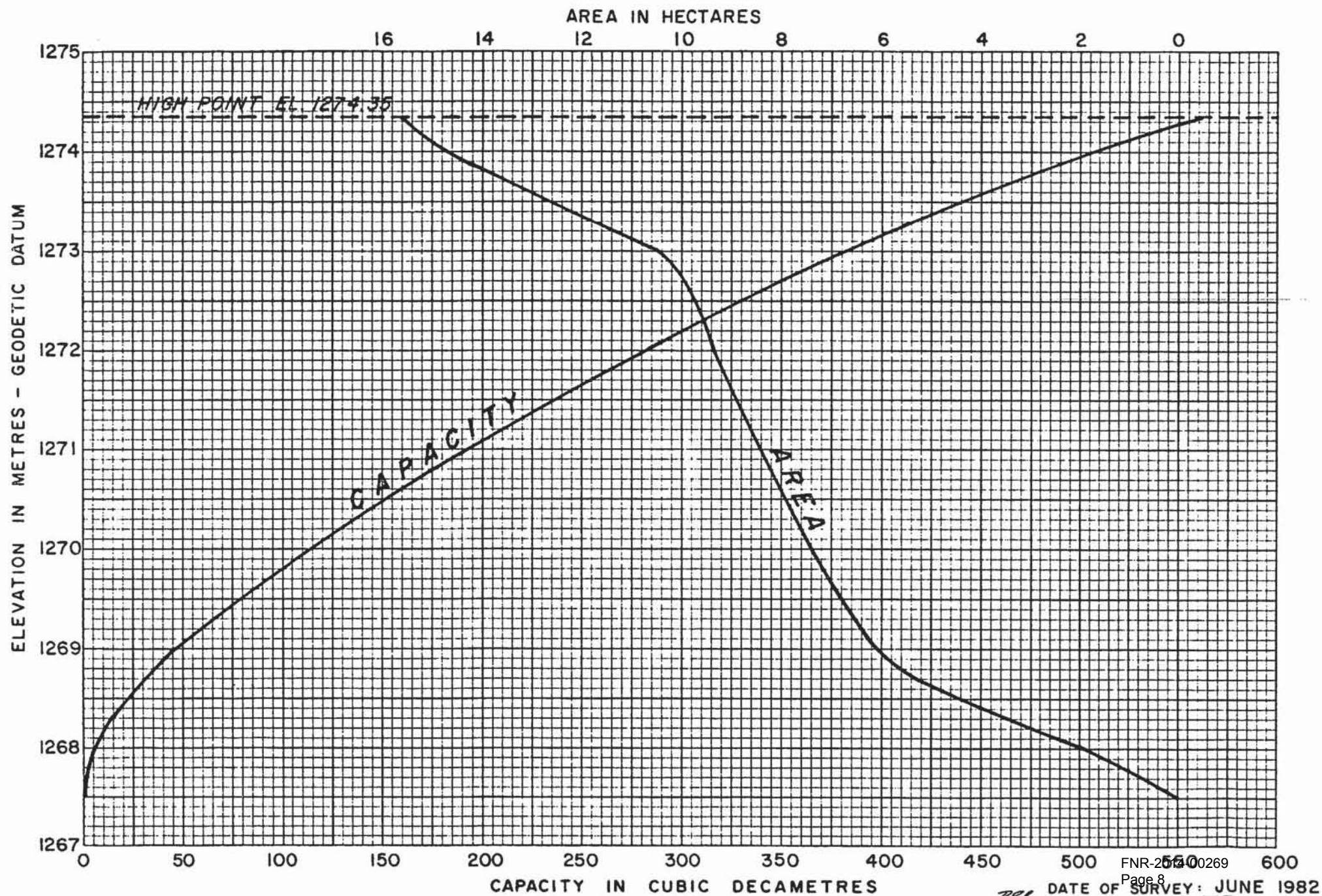
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STORAGE COMPUTATION SKETCH

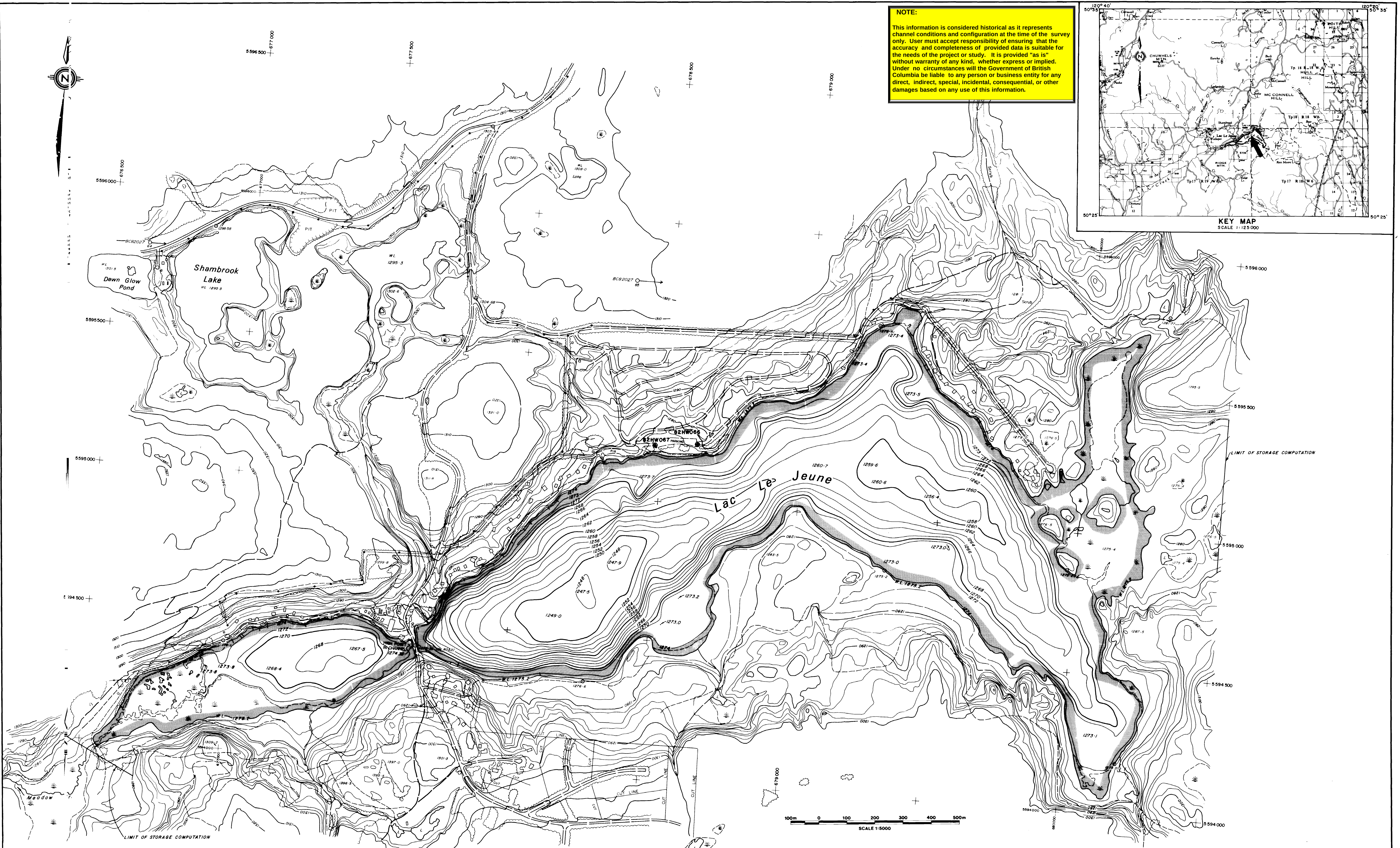
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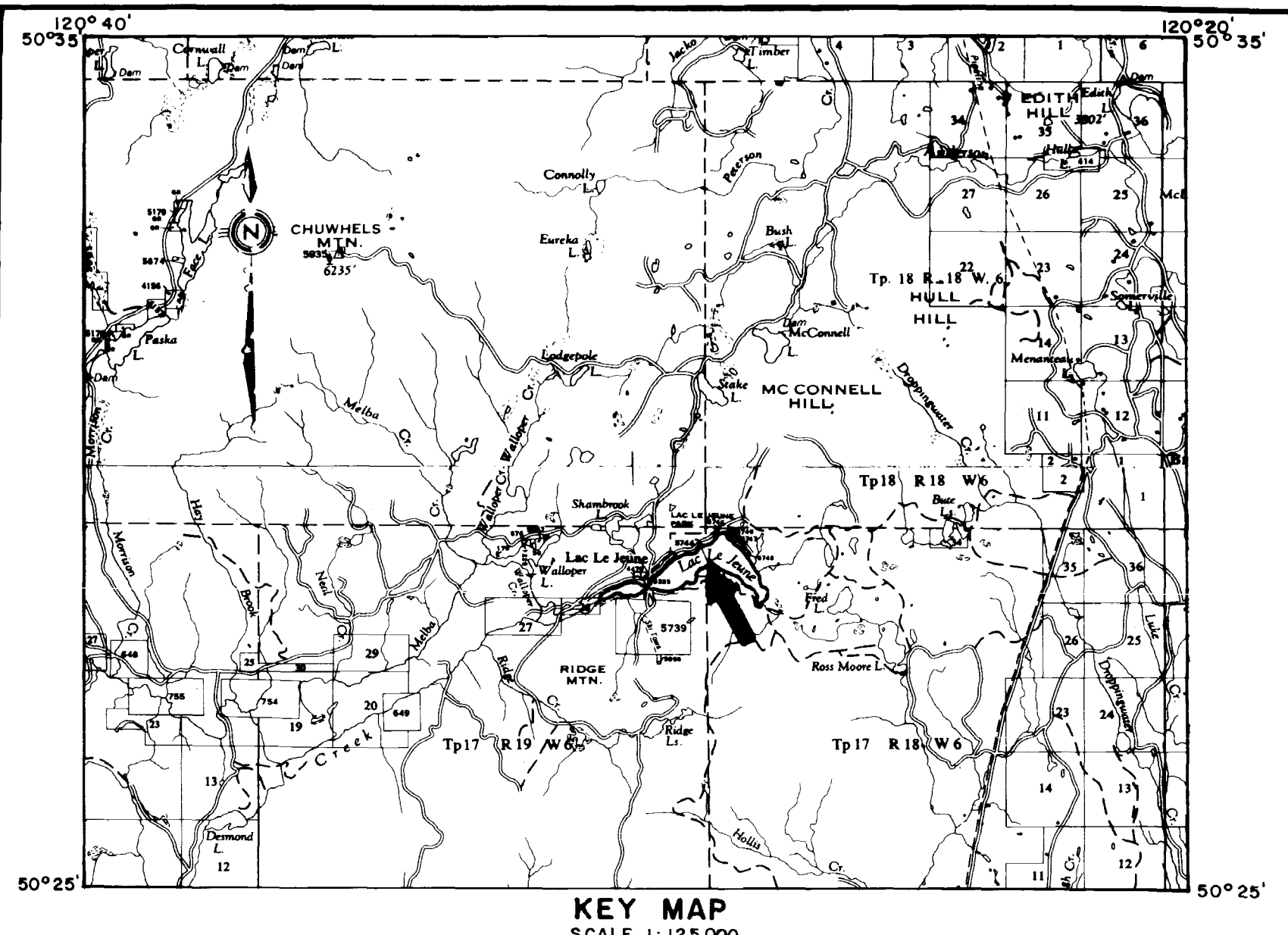
STORAGE CAPACITY AND AREA CURVES ⑧



STORAGE CAPACITY TABLE							B
MAPPING DATA			STORAGE CAPACITY				
CONTOUR ELEVATION		Area In Hectares	Depth of Storage In Metres	Area In Hectares	STORAGE IN DECAMETRES ³		REMARKS
Geodetic Datum	Local Datum				Net	Gross	
1267.5			0.0	0.01		0	Low point in lake
1268		1.93	0.5		5	5	
			1.0	4.04	15	20	
1269		6.14	1.5		25	45	
			2.0	6.78	32	77	
1270		7.41	2.5		36	113	
			3.0	7.90	38	151	
1271		8.39	3.5		41	192	
			4.0	8.87	43	235	
1272		9.35	4.5		46	281	
			5.0	9.93	48	329	
1273		10.5	5.5		51	380	
			5.7	11.3	22	402	
			5.9	12.2	23	425	
			6.1	13.0	25	450	
			6.3	13.8	27	477	
1274		14.7	6.5		29	506	
			6.7	15.2	30	536	
1274.35		15.6	6.85		23	559	
							High point



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										LEGEND			STORAGE LICENCES		REFERENCES		REVISIONS		SURVEYED BY SCHUBERT		Province of British Columbia		Ministry of Environment and Parks		FILE No.															
1) This map has been prepared by the Ministry of Environment and Parks, Province of British Columbia.										2) REFERENCE MONUMENTS: Northings Eastings Elevations 82HW066 5 595 215.324 678 626.012 1 278.550 82HW067 5 595 201.179 678 475.002 1 277.624 82HW067 82HW066 N 84-38-56 E 151.671 Distance between monuments as shown is Grid or Projection Distance.			3) FIELD BOOKS: Survey data are recorded in Field Books No. 2331-F1, 2331-F2, 2331-L1, 2331-L2 and 2331-L3. 4) FIELD BOOKS: Survey data are recorded in Field Books No. 2331-F1, 2331-F2, 2331-L1, 2331-L2 and 2331-L3. 5) AIR PHOTOGRAPHS: Roll No. BC82027; Frames 56-59 and 64-67 inclusive. Date of Photography: August 19, 1982. Photo Scale: 1 : 20 000 approximately.		6) MAPPING: The project area above water level was mapped under Project No. 83-1027 at a scale of 1:5000, using second order photogrammetric equipment.		7) DATUM: a) Horizontal control is based on Station "CHMHELS", Bolt No. 185700 and Green Mountain Lookout, established by Geodetic Survey of Canada in 1935. b) Coordinates are Universal Transverse Mercator, Zone 10, Central Meridian 123° 00' 00" W. c) Elevations are in metres and referred to the Canadian Geodetic datum.		8) TRIANGULATION STATION REFERENCE MONUMENT (P. CON. or P. ROCK) 50 000 HORIZ. CONTROL POINT 60 000 VERT. CONTROL POINT TEMPORARY BENCH MARK TEMPORARY REFERENCE POINT ROAD, TRAIL, CREEK, CREEK INTERMITTENT, SWAMP BASIN SUB BASIN AIR PHOTO CENTER		LICENCE PRIORITY AUTHORIZED DEVELOPED DATE DATE ACRES-FT ACRES-FT		DWG. No. DESCRIPTION DATE		No. DESCRIPTION DATE		DATE JUNE 1982		COMPILED J. T.A.M.		STORAGE INVENTORY PROGRAMME THOMPSON BASIN - FRASER SYSTEM		0305080-22		SURVEY PROJECT No.		82-SIP-2		NTS Map No. 92.1/7.8 Map Scale: 1:50 000 SCALE 1:5 000 NEGATIVE No. 272 470 DRAWING No. 4630-15 SHEET 1 of 1	
3) FIELD SURVEYS were conducted by the Survey Section, Water Management Branch. 4) Horizontal control was established by E.D.M. traverse. 5) Subaqueous contours were drawn from depths obtained by echo sounding depth recorder. 6) Position control for the bathymetry was maintained by simultaneous fixes from theodolites set over coordinated shore stations. 7) The survey was carried out in June 1982.																					CHECKED DATE NOV. 1986		DRAWN APPROVED DATE NOV. 1986		ENGINEER		APPROVED		DATE NOV. 1986											
LAC LE JEUNE PLAN OF LAKE																																								