

Table 2. Planimetrically determined areas and depth interval volumes. Area values are the product of measurements from the bathymetric map of Serene Lakes, Figure 2. Volume determinations were made using Figure 3. Total lake volumes are 317721 m³ for L. Serena and 504096 m³ for L. Dulzura.

Area (m ²)	TOTAL WATER IN BOTH LAKES		Volume (m ³)
	221,817 m ³ x 264 GALS/m ³ =		
	21,959,688 GALLONS		
	OR 668 ACRE FEET		

Depth (m)	Serena	Dulzura	Total	Depth Interval	Serena	Dulzura	Total
0	133436	147856	281292	0-1	110048	123546	233594
1	87310	99064	186374	1-2	77612	91174	168786
2	66226	78165	144391	2-3	55411	72261	127672
3	46418	65993	112411	3-4	37578	60390	97968
4	28035	53451	81486	4-5	22066	48646	70712
5	17050	44506	61556	5-6	11555	40986	52541
6	6735	36499	43234	6-7	3451	33074	36525
7	7747	28708	29482	7-8		23083	23083
8		16763	16763	8-9		9572	9572
9		2938	2938	9-10		1364	1364
10		173	173				

pumpable water 45,7791 CU. METERS x 264 GALS/m³
 120 million
 = 120,856,824 pumpable GALLONS. THIS DOES NOT INCLUDE SPRINGS RUNNING INTO LAKE.
 (OR 371 ACRE FEET) (WE HAVE 9% MORE PUMPABLE WATER THAN DONNER IN THE SPRING. IN THE LATE FALL WE HAVE -1 FOOT = 96,000,000 GALLONS OR 295 ACRE FEET. WE HAVE WATER RIGHTS FOR 1,177 ACRE FEET OR 383,000,000 GALLONS. DONNER SUMMIT HAS 110,120,000 GALLONS OR 338 ACRE FEET WHEN FULL, THEN 68,000,000 GALLONS OR 209 ACRE FEET IN THE LATE FALL, WE HAVE TO DROP THE LEVEL SO THE ICE DOESN'T DAMAGE THE DAM, PLUS ON SOME YEARS THEY USE ALOT FOR SNOW MAKING. SO WE HAVE AT LEAST 29% MORE PUMPABLE WATER THAN DONNER IN THE WINTER MONTHS.