

Morphometric Features of Highland Lake ~
 Data From the September 2009 Bathymetric Survey, LCHD Environmental Services

Contour (Feet)	Area Enclosed (Acres)	Percent of total acres	Volume (Acre-feet)	Depth Zone (Feet)	Area (Acres)	Percent (Depth zone to total acres)	Percent (Acre-feet to Total Volume)
0	102.79	100%	97.32	0 - 1	10.83	10.5%	13.0%
1	91.95	89%	84.67	1 - 2	14.36	14.0%	11.4%
2	77.59	75%	65.80	2 - 3	22.93	22.3%	8.8%
3	54.67	53%	46.09	3 - 4	16.65	16.2%	6.2%
4	38.02	37%	33.98	4 - 5	7.94	7.7%	4.6%
5	30.09	29%	28.64	5 - 6	2.87	2.8%	3.8%
6	27.21	26%	26.46	6 - 7	1.49	1.5%	3.5%
7	25.72	25%	25.30	7 - 8	0.83	0.8%	3.4%
8	24.89	24%	24.56	8 - 9	0.65	0.6%	3.3%
9	24.24	24%	23.94	9 - 10	0.59	0.6%	3.2%
10	23.64	23%	23.37	10 - 11	0.55	0.5%	3.1%
11	23.09	22%	22.81	11 - 12	0.56	0.5%	3.1%
12	22.53	22%	22.25	12 - 13	0.56	0.5%	3.0%
13	21.97	21%	21.68	13 - 14	0.58	0.6%	2.9%
14	21.39	21%	21.08	14 - 15	0.62	0.6%	2.8%
15	20.77	20%	20.42	15 - 16	0.70	0.7%	2.7%
16	20.07	20%	19.68	16 - 17	0.78	0.8%	2.6%
17	19.29	19%	18.86	17 - 18	0.84	0.8%	2.5%
18	18.44	18%	17.99	18 - 19	0.90	0.9%	2.4%
19	17.54	17%	17.04	19 - 20	0.99	1.0%	2.3%
20	16.55	16%	16.01	20 - 21	1.07	1.0%	2.1%
21	15.47	15%	14.90	21 - 22	1.13	1.1%	2.0%
22	14.34	14%	13.71	22 - 23	1.25	1.2%	1.8%
23	13.10	13%	12.32	23 - 24	1.53	1.5%	1.7%
24	11.56	11%	10.68	24 - 25	1.74	1.7%	1.4%
25	9.82	10%	8.39	25 - 26	2.78	2.7%	1.1%
26	7.05	7%	5.02	26 - 27	3.81	3.7%	0.7%
27	3.24	3%	2.26	27 - 28	1.83	1.8%	0.3%
28	1.41	1%	0.55	28 - 29	1.38	1.3%	0.1%
29	0.03	0.03%	0.07	29 +	0.03	0.03%	0.01%
			745.87		102.79	100%	100%

Maximum Depth of Lake: 29.10 Feet
 Average Depth of Lake: 7.26 Feet
 Volume of Lake: 745.87 Acre-Feet

Area of Lake: 102.79 Acres
 Shoreline Length: 1.59 Miles
 Water elevation at 779.40 feet above mean sea level

