

DES LAKE ASSESSMENT PROGRAM SUMMER HYPOLIMNION CHEMICAL CHARACTERISTICS (page 1 of 2)

Volume and Maximum Depth Category	Statistical Parameter	Maximum Depth (m)	Volume (m3)	Total Phos. (ug/L)	pH (units)	Alkalinity (mg/L)	Conductivity (uMhos/cm)
GROUP 1 Volume = 1 - < 100,000 m3 Maximum Depth = 0 - <10 m	MIN	1.70	11000.00	0.5000	4.70	-0.80	15.20
	MAX	9.80	99000.00	98.0000	8.80	85.00	458.00
	MEAN	4.29	65192.07	20.8110	6.18	8.06	56.87
	MEDIAN	3.95	67000.00	17.0000	6.20	4.70	31.40
	COUNT	82.00	82.00	82.0000	82.00	82.00	82.00
GROUP 2 Volume = 100,000 - < 5,000,000 m3 Maximum Depth = 0 - <10 m	MIN	2.20	100000.00	0.5000	4.30	-3.40	14.60
	MAX	9.90	4696000.00	217.0000	8.10	116.60	1419.00
	MEAN	5.73	731873.56	21.5754	6.28	7.67	75.35
	MEDIAN	5.80	374000.00	15.5000	6.30	5.30	41.78
	COUNT	382.00	382.00	378.0000	377.00	372.00	371.00
GROUP 3 Volume = 5,000,000 < 50,000,000 m3 Maximum Depth = 0 - <10 m	MIN	4.90	5042000.00	0.5000	5.60	1.50	35.00
	MAX	9.70	43191500.00	72.0000	6.90	30.10	96.70
	MEAN	7.97	11997600.00	29.2500	6.28	8.46	52.68
	MEDIAN	7.80	8290750.00	17.5000	6.30	4.80	42.03
	COUNT	10.00	10.00	10.0000	10.00	10.00	10.00
GROUP 4 Volume = 1 - < 100,000 m3 Maximum Depth = 10 - <25 m	MIN	10.30	86000.00	27.0000	5.90	7.90	30.00
	MAX	10.30	86000.00	27.0000	5.90	7.90	30.00
	MEAN	N/A	N/A	N/A	N/A	N/A	N/A
	MEDIAN	N/A	N/A	N/A	N/A	N/A	N/A
	COUNT	1.00	1.00	1	1.00	1.00	1.00
GROUP 5 Volume= 100,000 - < 5,000,000 m3 Maximum Depth = 10 - < 25 m	MIN	10.00	123000.00	0.5000	5.20	0.20	16.12
	MAX	24.40	4951000.00	247.0000	7.00	39.30	286.00
	MEAN	14.37	1925306.03	20.0776	6.10	7.63	56.77
	MEDIAN	13.60	1606750.00	13.0000	6.10	5.70	39.30
	COUNT	116.00	116.00	116.0000	114.00	113.00	115.00

DES LAKE ASSESSMENT PROGRAM SUMMER HYPOLIMNION CHEMICAL CHARACTERISTICS (page 2 of 2)

Volume and Maximum Depth Category	Statistical Parameter	Maximum Depth (m)	Volume (m3)	Total Phos. (ug/L)	pH (units)	Alkalinity (mg/L)	Conductivity (uMhos/cm)
GROUP 6 Volume = 5,000,000 - < 50,000,000 m3 Maximum Depth = 10 - <25 m	MIN	10.10	5029000.00	2.5000	5.30	0.80	20.43
	MAX	24.40	45548000.00	79.0000	7.10	36.30	339.00
	MEAN	17.21	13544487.50	14.8125	6.19	7.86	70.05
	MEDIAN	16.65	9288000.00	11.0000	6.20	6.50	50.10
	COUNT	40.00	40.00	40.0000	40.00	40.00	37.00
GROUP 7 Volume = >= 50,000,000 m3 Maximum Depth = 10 - <25 m	MIN	14.60	54285000.00	2.0000	6.00	3.50	29.17
	MAX	18.50	120736500.00	8.0000	6.50	5.50	133.30
	MEAN	16.17	94481000.00	5.6667	6.27	4.37	68.31
	MEDIAN	15.40	108421500.00	7.0000	6.30	4.10	42.47
	COUNT	3.00	3.00	3.0000	3.00	3.00	3.00
GROUP 8 Volume = 100,000 - < 5,000,000 m3 Maximum Depth > = 25 m	MIN	29.6	2313500	6.000	6.20	6.20	29.10
	MAX	29.6	2313500	6.000	6.20	6.20	29.10
	MEAN	N/A	N/A	N/A	N/A	N/A	N/A
	MEDIAN	N/A	N/A	N/A	N/A	N/A	N/A
	COUNT	1.00	1.00	1	1.00	1.00	1.00
GROUP 9 Volume = 5,000,000 - < 50,000,000 m3 Maximum Depth > = 25 m	MIN	26.20	6662000.00	0.5000	5.40	0.90	20.50
	MAX	40.00	30024500.00	25.0000	6.60	11.80	91.00
	MEAN	30.88	15838800.00	6.6500	6.08	4.20	41.46
	MEDIAN	30.35	12814250.00	5.5000	6.10	3.60	35.70
	COUNT	10.00	10.00	10.0000	10.00	10.00	9.00
GROUP 10 Volume = > 50,000,000 m3 Maximum Depth > = 25 m	MIN	25.00	57503000.00	1.0000	5.80	3.30	31.60
	MAX	55.50	2375841000.00	27.0000	7.00	9.70	77.90
	MEAN	41.04	348659833.33	8.9167	6.36	6.37	48.26
	MEDIAN	43.00	187598500.00	7.0000	6.40	6.30	42.40
	COUNT	12.00	12.00	12.0000	12.00	12.00	12.00