

2011 Eagle Lake Water Conditions

Date	Basin & conditions	Depth (feet)	Temp (°C)	Temp (°F)	DO%	DO (ppm)	pH
7/20/2011	North: <u>no wind</u> <u>Time 0830</u> <u>air T59F</u> <u>secchi 5ft</u> <u>(7ft bottom)</u>	surface	18.6	65.5	73.1	6.79	9.43
		5	18.7	65.7	72.5	6.75	9.41
		Basin AVE	18.7	65.6	72.8	6.77	9.42
7/20/2011	Middle: <u>no wind</u> <u>Time 0910</u> <u>air T 61F</u> <u>secchi 9ft</u> <u>(at bottom)</u>	surface	19.0	66.2	82.0	7.57	9.51
		5	18.9	66.0	80.1	7.41	9.50
		Basin AVE	19.0	66.1	81.1	7.49	9.51
7/20/2011	South: <u>no wind</u> <u>time 0935</u> <u>air T 61F</u> <u>secchi 20ft</u>	surface	19.5	67.1	78.0	7.15	9.25
		5	19.4	66.9	74.2	6.80	9.20
		10	19.3	66.7	73.3	6.74	9.20
		15	19.1	66.4	72.1	6.64	9.18
		20	19.0	66.2	71.3	6.60	9.15
		25	19.0	66.2	71.0	6.57	9.12
		30	18.9	66.0	69.4	6.44	9.09
		35	17.2	63.0	48.8	6.66	9.00
		40	14.6	58.3	20.1	2.05	8.91
		45	12.9	55.2	5.5	0.57	8.83
50	12.6	54.7	2.3	0.24	8.82		
	Basin AVE	17.4	63.3	53.3	5.1	9.07	
7/20/2011	LAKE AVE			64.0			9.17

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Date	Basin & conditions	Depth (feet)	Temp (°C)	Temp (°F)	DO%	DO (ppm)	pH
6/30/2011	North: <u>no wind</u> <u>Time 1045</u> <u>air T 64F</u> <u>secchi 7ft</u> (at bottom)	surface	18.6	65.5	77.0	7.19	9.39
		5	18.6	64.0	81.7	7.64	9.39
		Basin AVE	18.6	64.8	79.4	7.42	9.39
6/30/2011	Middle: <u>light wind</u> <u>Time 1030</u> <u>air T 58F</u> <u>secchi 9.5ft</u> (at bottom)	surface	18.4	65.1	90.4	8.44	9.33
		5	18.2	64.8	88.9	8.38	9.33
		9	18.2	64.8	88.0	8.28	9.33
		Basin AVE	18.3	64.9	89.1	8.37	9.33
6/30/2011	South: <u>no wind</u> <u>time 0830</u> <u>air T 56F</u> <u>secchi 31ft</u>	surface	17.5	63.5	73.7	7.03	9.19
		5	17.5	63.5	73.7	7.03	9.19
		10	17.5	63.5	69.8	6.64	9.17
		15	17.5	63.5	73.0	6.94	9.15
		20	17.5	63.5	73.5	6.99	9.13
		25	17.5	63.5	73.6	7.00	9.13
		30	14.3	57.7	67.4	6.86	9.08
		35	12.6	54.7	58.8	6.23	9.06
		40	11.9	53.4	49.2	5.28	9.03
		45	11.6	52.9	39.5	4.31	9.01
		50	11.5	52.7	33.5	3.63	9.00
			Basin AVE	15.2	59.3	62.3	6.18
6/30/2011	LAKE AVE			61.0			9.18

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Date	Basin & conditions	Depth	Temp (°C)	Temp (°F)	DO%	DO (ppm)	pH
6/17/2011	North: windy! Time 1130 air T 64F secchi 7ft (at bottom)	surface	17.9	64.2	82.3	7.77	9.30
		5	17.8	64.0	79.5	7.52	9.28
		Basin AVE	17.9	64.1	80.9	7.65	9.29
6/17/2011	Middle: windy! Time 1100 air T 64F secchi 9.5ft (at bottom)	surface	16.9	62.4	90.8	8.71	9.27
		5	15.9	60.6	88.7	8.73	9.13
		10	15.5	59.9	87.3	8.27	9.11
		Basin AVE	16.1	61.0	88.9	8.57	9.17
6/17/2011	South: wind-calm time 0930 air T 54F secchi 31ft	surface	15.5	59.9	78.5	7.79	9.20
		5	15.4	59.7	78.3	7.78	9.21
		10	15.3	59.5	79.7	7.98	9.19
		15	15.3	59.5	79.6	7.95	9.21
		20	15.0	59.0	77.4	9.80	9.18
		25	13.9	57.0	76.4	7.87	9.17
		30	13.6	56.5	75.6	7.84	9.15
		35	12.2	54.0	70.0	7.50	8.90
		40	11.7	53.1	65.9	7.11	8.89
		45	11.7	53.1	65.6	7.09	8.81
	Basin AVE	14.0	57.1	74.7	7.87	9.09	
6/17/2011	Lake AVE			58.8			9.13