

## 2011 Eagle Lake Water Conditions

Date	Basin & conditions	Depth	Temp (°C)	Temp (°F)	DO%	DO (ppm)	pH
6/17/2011	<b>North:</b> 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
		<b>Basin AVE</b>	<b>17.9</b>	<b>64.1</b>	<b>80.9</b>	<b>7.65</b>	<b>9.29</b>
6/17/2011	<b>Middle:</b> 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
		<b>Basin AVE</b>	<b>16.1</b>	<b>61.0</b>	<b>88.9</b>	<b>8.57</b>	<b>9.17</b>
6/17/2011	<b>South:</b> 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
	<b>Basin AVE</b>	<b>14.0</b>	<b>57.1</b>	<b>74.7</b>	<b>7.87</b>	<b>9.09</b>	
6/17/2011	<b>Lake AVE</b>			<b>58.8</b>			<b>9.13</b>

# 2011 Eagle Lake Water Conditions

Date	Basin & conditions	Depth (feet)	Temp (°C)	Temp (°F)	DO%	DO (ppm)	pH
6/30/2011	<b>North:</b> <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
		<b>Basin AVE</b>	<b>18.6</b>	<b>64.8</b>	<b>79.4</b>	<b>7.42</b>	<b>9.39</b>
6/30/2011	<b>Middle:</b> <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
		<b>Basin AVE</b>	<b>18.3</b>	<b>64.9</b>	<b>89.1</b>	<b>8.37</b>	<b>9.33</b>
6/30/2011	<b>South:</b> <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
			<b>Basin AVE</b>	<b>15.2</b>	<b>59.3</b>	<b>62.3</b>	<b>6.18</b>
6/30/2011	LAKE AVE			<b>61.0</b>			<b>9.18</b>

# 2011 Eagle Lake Water Conditions

Date	Basin & conditions	Depth (feet)	Temp (°C)	Temp (°F)	DO%	DO (ppm)	pH
7/20/2011	<b>North:</b> <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
		<b>Basin AVE</b>	<b>18.7</b>	<b>65.6</b>	<b>72.8</b>	<b>6.77</b>	<b>9.42</b>
7/20/2011	<b>Middle:</b> <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
		<b>Basin AVE</b>	<b>19.0</b>	<b>66.1</b>	<b>81.1</b>	<b>7.49</b>	<b>9.51</b>
7/20/2011	<b>South:</b> <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		
	<b>Basin AVE</b>	<b>17.4</b>	<b>63.3</b>	<b>53.3</b>	<b>5.1</b>	<b>9.07</b>	
7/20/2011	<b>LAKE AVE</b>			<b>64.0</b>			<b>9.17</b>

Date	Basin & conditions	Depth (feet)	Temp (°C)	Temp (°F)	DO%	DO (ppm)	pH
7/29/2011	<b>North:</b> <u>no wind</u> <u>Time</u>	surface	23.4	74.1	75.5	6.46	9.30
	<u>1050 air</u>	5	23.1	73.6	79.4	6.82	9.27
	<u>T74F secchi</u> <u>7ft (7ft bottom)</u>	<b>Basin AVE</b>	<b>23.3</b>	<b>73.9</b>	<b>77.5</b>	<b>6.64</b>	<b>9.29</b>
7/29/2011	<b>Middle:</b> <u>no wind</u> <u>Time 1015</u>	surface	22.7	72.9	102.8	8.93	9.44
	<u>air T 72F</u>	5	22.6	72.7	99.9	8.64	9.38
	<u>secchi 9ft</u> <u>(at bottom)</u>	<b>Basin AVE</b>	<b>22.7</b>	<b>72.8</b>	<b>101.4</b>	<b>8.79</b>	<b>9.41</b>
7/29/2011	<b>South:</b> <u>no wind</u> <u>time 0900</u> <u>air T 65F</u> <u>secchi n/a</u>	surface	21.6	70.9	85.2	7.49	9.20
		5	21.6	70.9	84.4	7.43	9.19
		10	21.4	70.5	85.0	4.48	9.20
		15	21.0	69.8	84.4	7.48	9.20
		20	20.5	68.9	83.6	7.41	9.19
		25	19.9	67.8	77.5	7.04	9.19
		30	19.1	66.4	72.0	6.65	9.15
		35	18.2	64.8	56.9	5.34	9.13
		40	17.4	63.3	44.0	4.21	9.10
		45	13.5	56.3	0.6	0.05	9.03
		50	12.8	55.0	0.6	0.06	9.02
	<b>Basin AVE</b>	<b>18.8</b>	<b>65.9</b>	<b>61.3</b>	<b>5.2</b>	<b>9.15</b>	
<b>7/29/2011</b>	<b>LAKE AVE</b>			<b>67.9</b>		<b>9.20</b>	

Date	Basin & conditions	Depth (feet)	Temp (°C)	Temp (°F)	DO%	DO (ppm)	pH
8/16/2011	<b>North:</b> <u>no wind</u> <u>Time</u> <u>1105 air</u> <u>T70F</u> <u>secchi</u> <u>6.5ft</u>	surface	20.8	69.4	85.0	7.58	9.33
		5	20.7	69.3	82.7	7.41	9.32
		<b>Basin AVE</b>	<b>20.8</b>	<b>69.4</b>	<b>83.9</b>	<b>7.50</b>	<b>9.33</b>
8/16/2011	<b>Middle:</b> <u>no wind</u> <u>Time n/a</u> <u>air T n/a</u> <u>secchi n/a</u>	surface	21.3	70.3	89.6	7.92	9.42
		5	21.0	69.8	98.6	8.79	9.43
		<b>Basin AVE</b>	<b>21.2</b>	<b>70.1</b>	<b>94.1</b>	<b>8.36</b>	<b>9.43</b>
8/16/2011	<b>South:</b> <u>no wind</u> <u>time 0925</u> <u>air T 63F</u> <u>secchi 17ft</u>	surface	21.5	70.7	90.1	8.01	9.22
		5	21.5	70.7	84.7	7.44	9.21
		10	21.5	70.7	84.2	7.42	9.20
		15	21.5	70.7	83.7	7.39	9.18
		20	21.4	70.5	87.9	7.71	9.12
		25	21.4	70.5	87.9	7.73	9.10
		30	19.6	67.3	75.0	6.85	9.01
		35	17.3	63.1	39.9	3.81	8.95
		40	16.2	61.2	14.7	1.44	8.92
		45	15.0	59.0	0.9	0.08	8.89
	<b>Basin AVE</b>	<b>19.7</b>	<b>67.4</b>	<b>64.9</b>	<b>5.8</b>	<b>9.08</b>	
<b>8/16/2011</b>	<b>LAKE AVE</b>			<b>68.1</b>			<b>9.16</b>

Date	Basin & conditions	Depth (feet)	Temp (°C)	Temp (°F)	DO%	DO (ppm)	pH
8/31/2011	<b>North:</b> <u>5mph wind</u> <u>Time 1215</u> <u>air T69F</u> <u>secchi 6ft</u>	surface	21.3	70.3	94.3	8.33	9.34
		5	21.1	70.0	93.7	8.30	9.33
		<b>Basin AVE</b>	<b>21.2</b>	<b>70.2</b>	<b>94.0</b>	<b>8.32</b>	<b>9.34</b>
8/31/2011	<b>Middle:</b> <u>5mph wind</u> <u>Time 1140</u> <u>air T 68F</u> <u>secchi 8</u>	surface	21.3	70.3	98.6	8.68	9.42
		5	21.1	70.0	98.8	8.76	9.42
		<b>Basin AVE</b>	<b>21.2</b>	<b>70.2</b>	<b>98.7</b>	<b>8.72</b>	<b>9.42</b>
8/31/2011	<b>South:</b> <u>5mph wind</u> <u>time 1000</u> <u>air T 63F</u> <u>secchi 17ft</u>	surface	21.6	70.9	80.4	7.07	9.20
		5	21.6	70.9	81.5	7.17	9.19
		10	21.5	70.7	84.0	7.39	9.18
		15	21.4	70.5	83.5	7.35	9.17
		20	21.4	70.5	84.2	7.42	9.16
		25	21.3	70.3	82.5	7.29	9.16
		30	19.6	67.3	61.2	5.58	9.10
		35	18.4	65.1	47.2	4.43	9.06
		40	17.0	62.6	15.0	1.46	9.02
		45	14.1	57.4	0.7	0.08	8.94
	<b>Basin AVE</b>	<b>19.8</b>	<b>67.6</b>	<b>62.0</b>	<b>5.5</b>	<b>9.12</b>	
8/31/2011	<b>LAKE AVE</b>			<b>68.3</b>			<b>9.19</b>

Date	Basin & conditions	Depth (feet)	Temp (°C)	Temp (°F)	DO%	DO (ppm)	pH
9/13/2011	<b>North:</b> <u>no wind</u> <u>Time</u>	surface	19.3	66.7	83.9	7.71	9.40
	<u>1100 air</u>	5	18.9	66.0	82.2	6.61	9.40
	<u>T64F secchi</u> <u>6ft</u>	<b>Basin AVE</b>	<b>19.1</b>	<b>66.4</b>	<b>83.1</b>	<b>7.16</b>	<b>9.40</b>
9/13/2011	<b>Middle:</b> <u>no wind</u>	surface	19.3	66.7	82.1	7.53	9.48
	<u>Time 1030</u>	5	19.2	66.6	82.3	7.58	9.47
	<u>air T 63F</u> <u>secchi 8.5ft</u>	<b>Basin AVE</b>	<b>19.3</b>	<b>66.7</b>	<b>82.2</b>	<b>7.56</b>	<b>9.48</b>
9/13/2011	<b>South:</b> <u>no wind</u> <u>time 0920</u> <u>air T 59F</u> <u>secchi 23ft</u>	surface	20.1	68.2	75.8	6.84	9.24
		5	20.1	68.2	74.0	6.71	9.24
		10	20.1	68.2	74.0	6.70	9.21
		15	20.1	68.2	74.3	6.74	9.22
		20	20.1	68.2	73.5	6.65	9.20
		25	20.1	68.2	73.2	6.62	9.20
		30	20.0	68.0	73.0	6.61	9.20
		35	20.0	68.0	72.0	6.53	9.20
		40	18.8	65.8	35.3	3.29	9.10
		45	16.7	62.1	3.0	0.29	9.01
	<b>Basin AVE</b>	<b>19.6</b>	<b>67.3</b>	<b>62.8</b>	<b>5.7</b>	<b>9.18</b>	
9/13/2011	LAKE AVE		67.1			9.26	

Date	Basin & conditions	Depth (feet)	Temp (°C)	Temp (°F)	DO%	DO (ppm)	pH
9/29/2011	<b>North:</b> <u>no wind</u> <u>Time 1155</u> <u>air T67F</u> <u>secchi 5.5ft</u>	surface	18.0	64.4	80.5	7.63	9.40
		5	17.6	63.7	79.8	7.57	9.40
		<b>Basin AVE</b>	<b>17.8</b>	<b>64.0</b>	<b>80.2</b>	<b>7.60</b>	<b>9.40</b>
9/29/2011	<b>Middle:</b> <u>no wind</u> <u>Time 1125</u> <u>air T 66F</u> <u>secchi 9ft</u>	surface	18.5	65.3	85.8	8.03	9.45
		5	18.1	64.6	86.2	8.11	9.45
		<b>Basin AVE</b>	<b>18.3</b>	<b>64.9</b>	<b>86.0</b>	<b>8.07</b>	<b>9.45</b>
9/29/2011	<b>South:</b> <u>no wind</u> <u>time 1015</u> <u>air T 61F</u> <u>secchi 12ft</u>	surface	19.0	66.2	76.2	7.03	9.26
		5	19.0	66.2	75.0	6.94	9.26
		10	18.9	66.0	75.4	6.98	9.24
		15	18.9	66.0	74.8	6.93	9.25
		20	18.9	66.0	74.3	6.88	9.24
		25	18.9	66.0	73.6	6.83	9.24
		30	18.9	66.0	72.3	6.70	9.23
		35	18.7	65.7	67.6	6.28	9.23
		40	18.5	65.3	53.3	5.00	9.18
		45	17.5	63.5	1.3	0.13	9.07
	<b>Basin AVE</b>	<b>18.7</b>	<b>65.7</b>	<b>64.4</b>	<b>6.0</b>	<b>9.22</b>	
9/29/2011	LAKE AVE		65.4			9.28	

## Monthly Average Temp and pH by Basin

Month	Basin	Temp (°F)	pH
June	Middle	63.9	9.28
July	Middle	69.4	9.46
Aug	Middle	70.1	9.42
Sept	Middle	65.8	9.46

June	North	64.4	9.34
July	North	69.7	9.35
Aug	North	69.8	9.33
Sept	North	65.2	9.40

June	South	58.3	9.10
July	South	64.6	9.11
Aug	South	67.5	9.10
Sept	South	66.5	9.20