

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 |

2011 Eagle Lake Water Conditions

| 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 |

2011 Eagle Lake Water Conditions

| 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 |

| Date | Basin & conditions | Depth (feet) | Temp (°C) | Temp (°F) | DO% | DO (ppm) | pH |
|------------------|--|------------------|-------------|-------------|--------------|-------------|-------------|
| 7/29/2011 | North: <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> | Basin AVE | 23.3 | 73.9 | 77.5 | 6.64 | 9.29 |
| 7/29/2011 | Middle: <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 (at bottom)</u> | Basin AVE | 22.7 | 72.8 | 101.4 | 8.79 | 9.41 |
| 7/29/2011 | South: <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 |
| | Basin AVE | 18.8 | 65.9 | 61.3 | 5.2 | 9.15 | |
| 7/29/2011 | LAKE AVE | | | 67.9 | | 9.20 | |

| Date | Basin & conditions | Depth (feet) | Temp (°C) | Temp (°F) | DO% | DO (ppm) | pH |
|------------------|---|------------------|-------------|-------------|-------------|-------------|-------------|
| 8/16/2011 | North: <u>no wind</u> <u>Time</u> | surface | 20.8 | 69.4 | 85.0 | 7.58 | 9.33 |
| | <u>1105 air</u> | 5 | 20.7 | 69.3 | 82.7 | 7.41 | 9.32 |
| | <u>T70F</u> <u>secchi</u> <u>6.5ft</u> | Basin AVE | 20.8 | 69.4 | 83.9 | 7.50 | 9.33 |
| 8/16/2011 | Middle: <u>no wind</u> | surface | 21.3 | 70.3 | 89.6 | 7.92 | 9.42 |
| | <u>Time n/a</u> | 5 | 21.0 | 69.8 | 98.6 | 8.79 | 9.43 |
| | <u>air T n/a</u> <u>secchi n/a</u> | Basin AVE | 21.2 | 70.1 | 94.1 | 8.36 | 9.43 |
| 8/16/2011 | South: <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 |
| | Basin AVE | 19.7 | 67.4 | 64.9 | 5.8 | 9.08 | |
| 8/16/2011 | LAKE AVE | | | 68.1 | | | 9.16 |

| Date | Basin & conditions | Depth (feet) | Temp (°C) | Temp (°F) | DO% | DO (ppm) | pH |
|-----------|---|------------------|-------------|-------------|-------------|-------------|-------------|
| 8/31/2011 | North: <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 |
| | | Basin AVE | 21.2 | 70.2 | 94.0 | 8.32 | 9.34 |
| 8/31/2011 | Middle: <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 |
| | | Basin AVE | 21.2 | 70.2 | 98.7 | 8.72 | 9.42 |
| 8/31/2011 | South: <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 |
| | Basin AVE | 19.8 | 67.6 | 62.0 | 5.5 | 9.12 | |
| 8/31/2011 | LAKE AVE | | | 68.3 | | | 9.19 |

| Date | Basin & conditions | Depth (feet) | Temp (°C) | Temp (°F) | DO% | DO (ppm) | pH |
|-----------|---|------------------|-------------|-------------|-------------|-------------|-------------|
| 9/13/2011 | North: <u>no wind</u> <u>Time 1100 air</u> <u>T64F secchi</u> <u>6ft</u> | surface | 19.3 | 66.7 | 83.9 | 7.71 | 9.40 |
| | | 5 | 18.9 | 66.0 | 82.2 | 6.61 | 9.40 |
| | | Basin AVE | 19.1 | 66.4 | 83.1 | 7.16 | 9.40 |
| 9/13/2011 | Middle: <u>no wind</u> <u>Time 1030</u> <u>air T 63F</u> <u>secchi 8.5ft</u> | surface | 19.3 | 66.7 | 82.1 | 7.53 | 9.48 |
| | | 5 | 19.2 | 66.6 | 82.3 | 7.58 | 9.47 |
| | | Basin AVE | 19.3 | 66.7 | 82.2 | 7.56 | 9.48 |
| 9/13/2011 | South: <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 |
| | Basin AVE | 19.6 | 67.3 | 62.8 | 5.7 | 9.18 | |
| 8/31/2011 | LAKE AVE | | | 67.1 | | | 9.26 |

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 | 66.7 | 9.48 |

| | | | |
|------|-------|------|------|
| June | North | 64.4 | 9.34 |
| July | North | 69.7 | 9.35 |
| Aug | North | 69.8 | 9.33 |
| Sept | North | 66.4 | 9.40 |

| | | | |
|------|-------|------|------|
| June | South | 58.3 | 9.10 |
| July | South | 64.6 | 9.11 |
| Aug | South | 67.5 | 9.10 |
| Sept | South | 67.3 | 9.18 |