

# NH Department of Environmental Services Volunteer Lake Assessment Program

## Current Year Chemical and Biological Data

SUNRISE LAKE - MIDDLETON

10/14/2024

| Station ID     | Station Name                              | Zone | Depth     | Startdate | Activity ID | Color | Cl    | Chl-a | EC | ANC  | PH     | TP     | Secchi |      | Cond | Turb |      |
|----------------|---|------|-----------|-----------|-------------|-------|-------|-------|----|------|--------|--------|--------|------|------|------|------|
|                |   |      |           |           |             |       |       |       |    |      |        |        | NVS    | VS   |      |      |      |
| SUNMIDBC       | Sunrise Lake-Bartletts Cove               |      |           | 7/11/2024 | 2024-1750   |       | 18.4  |       |    |      | 6.95   | 0.0112 |        |      | 67   | 1.8  |      |
|                |   |      |           | 8/20/2024 | 2024-3181   |       | 19    |       |    | 6.8  | 0.0843 |        |        | 88.9 | 2.56 |      |      |
|                |   |      |           | 9/23/2024 | 2024-3911   |       | 21.9  |       |    | 6.87 | 0.0142 |        |        | 72.5 | 3.46 |      |      |
| SUNMIDD        | Sunrise Lake-Deep Spot                    | Comp | 2M        | 7/11/2024 | 2024-1758   |       |       | 4.7   |    |      |        |        |        |      |      |      |      |
|                |   |      |           | 2024-1759 |             |       | 3.6   |       |    |      |        |        |        |      |      |      |      |
|                |   |      | 8/20/2024 | 2024-3190 |             |       | 10.79 |       |    |      |        |        |        |      |      |      |      |
|                |   |      | 9/23/2024 | 2024-3920 |             |       | 8.1   |       |    |      |        |        |        |      |      |      |      |
|                |   | Epi  | 1.5M      | 7/11/2024 | 2024-1746   | 50    | 18.3  |       |    |      | 7.4    | 6.95   | 0.0108 | 2.13 | 2.35 | 63.3 | 2.01 |
|                |   |      | 2M        | 8/20/2024 | 2024-3180   | 70    | 19.7  |       |    |      | 7.2    | 6.99   | 0.014  | 1.5  | 1.75 | 89.4 | 2.38 |
|                |   |      |           | 9/23/2024 | 2024-3910   | 74    | 18.9  |       |    |      | 7.3    | 7.05   | 0.0134 | 2    | 1.18 | 72.4 | 3.69 |
|                |   | Hypo | 3.5M      | 7/11/2024 | 2024-1747   |       |       |       |    |      |        | 6.28   | 0.0177 |      |      | 63.9 | 3.58 |
|                |   |      |           | 2024-1748 |             |       |       |       |    |      |        | 6.41   |        |      |      | 67.7 | 4.18 |
| SUNMIDH        | Sunrise Lake-Hampshire Brook              |      |           | 7/11/2024 | 2024-1755   |       | 18.6  |       |    |      | 5.92   | 0.0182 |        |      | 65.6 | 1.1  |      |
|                |   |      |           | 2024-1760 |             | 19.7  |       |       |    | 5.87 |        |        |        | 66.6 | 0.94 |      |      |
|                |   |      |           | 8/20/2024 | 2024-3182   |       | 21.5  |       |    |      | 6.63   | 0.0132 |        |      | 95.7 | 0.2  |      |
| SUNMIDHS       | Sunrise Lake-Hampshire Shores             |      |           | 8/20/2024 | 2024-3183   |       | 19.2  |       |    |      | 7.05   | 0.0206 |        |      | 90   | 3.58 |      |
|                |   |      |           | 9/23/2024 | 2024-3916   |       | 22.1  |       |    |      | 6.94   | 0.0136 |        |      | 72.3 | 3.25 |      |
| SUNMIDHSB<br>L | Sunrise Lake-Hampshire Shores Boat Launch |      |           | 8/20/2024 | 2024-3184   |       |       |       |    |      | 7.15   | 0.0137 |        |      | 90   | 2.29 |      |
|                |   |      |           | 9/23/2024 | 2024-3915   |       |       |       |    |      | 6.96   | 0.0153 |        |      | 73.3 | 3.55 |      |

Please Note: pH (units), TP (mg/L) (ND = < 0.005 mg/L), Cond (UMHOS/cm), Secchi (M) VS = ViewScope, NVS=NonViewScope, EC = E. coli (cts/100mL), Turbidity (NTU), ANC (mg/L), Chloride (mg/L), Chl-A (mg/M3), Color is Apparent Color (PCU)

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|------------|---------------------------------|-----------|-----------|--|------|--|------|------|--------|--|------|------|------|
| SUNMIDLLAD | Sunrise Lake-Lakelands Assoc Dd | 7/11/2024 | 2024-1756 |  |      |  | 20.1 |      |        |  |      |      |      |
|            |                                 | 8/20/2024 | 2024-3191 |  |      |  | 98.8 |      |        |  |      |      |      |
| SUNMIDMB   | Sunrise Lake-Main Beach         | 7/11/2024 | 2024-1751 |  | 19.2 |  |      | 7.11 | 0.0089 |  |      | 62.4 | 1.71 |
|            |                                 | 8/20/2024 | 2024-3185 |  | 19.2 |  |      | 7.12 | 0.0123 |  |      | 91.5 | 2.06 |
|            |                                 | 9/23/2024 | 2024-3918 |  | 21.9 |  |      | 7.07 | 0.0126 |  |      | 71.8 | 3.09 |
| SUNMIDNB   | Sunrise Lake-Nicola Beach       | 7/11/2024 | 2024-1753 |  | 18.1 |  |      | 7.14 | 0.0074 |  |      | 65.8 | 1.53 |
|            |                                 | 8/20/2024 | 2024-3186 |  | 19.4 |  |      | 7.24 | 0.0118 |  |      | 90.1 | 1.99 |
|            |                                 | 9/23/2024 | 2024-3912 |  | 21.1 |  |      | 7.1  | 0.0127 |  |      | 72.6 | 3.45 |
| SUNMIDNB1  | Sunrise Lake-Nicola Beach 1     | 7/11/2024 | 2024-1752 |  | 18.2 |  |      | 7.03 | 0.0104 |  |      | 62.9 | 1.7  |
|            |                                 | 8/20/2024 | 2024-3187 |  | 18.7 |  |      | 7.24 | 0.011  |  |      | 89.7 | 2.19 |
|            |                                 | 9/23/2024 | 2024-3913 |  | 21.8 |  |      | 7.12 | 0.013  |  |      | 69.7 | 3.32 |
| SUNMIDPC   | Sunrise Lake-Pinkham Cove       | 7/11/2024 | 2024-1749 |  |      |  |      | 6.89 | 0.0100 |  |      | 64.3 | 2.01 |
|            |                                 | 8/20/2024 | 2024-3188 |  |      |  |      | 6.66 | 0.0135 |  |      | 92   | 2.29 |
|            |                                 | 9/23/2024 | 2024-3919 |  |      |  |      | 6.84 | 0.0264 |  |      | 72.2 | 3.01 |
| SUNMIDT    | Sunrise Lake-Tanglewood Brook   | 7/11/2024 | 2024-1754 |  | 19.8 |  |      |      | 0.0327 |  | 76.8 | 3.37 |      |
| SUNMIDTB   | Sunrise Lake-Town Beach         | 8/20/2024 | 2024-3189 |  |      |  |      | 6.92 | 0.0175 |  |      | 90.2 | 2.04 |
|            |                                 | 9/23/2024 | 2024-3917 |  | 22   |  |      | 6.83 | 0.0108 |  |      | 73.1 | 2.54 |
| SUNMIDTT   | Sunrise Lake-Tanglewood Beach   | 9/23/2024 | 2024-3914 |  | 23.3 |  |      | 6.91 | 0.0216 |  |      | 79.1 | 1.88 |

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