



Sonoma Water

State Water Resources Control Board Temporary Urgency Change Order (5/19/2023) Russian River Water Quality Report July 28– August 3, 2023

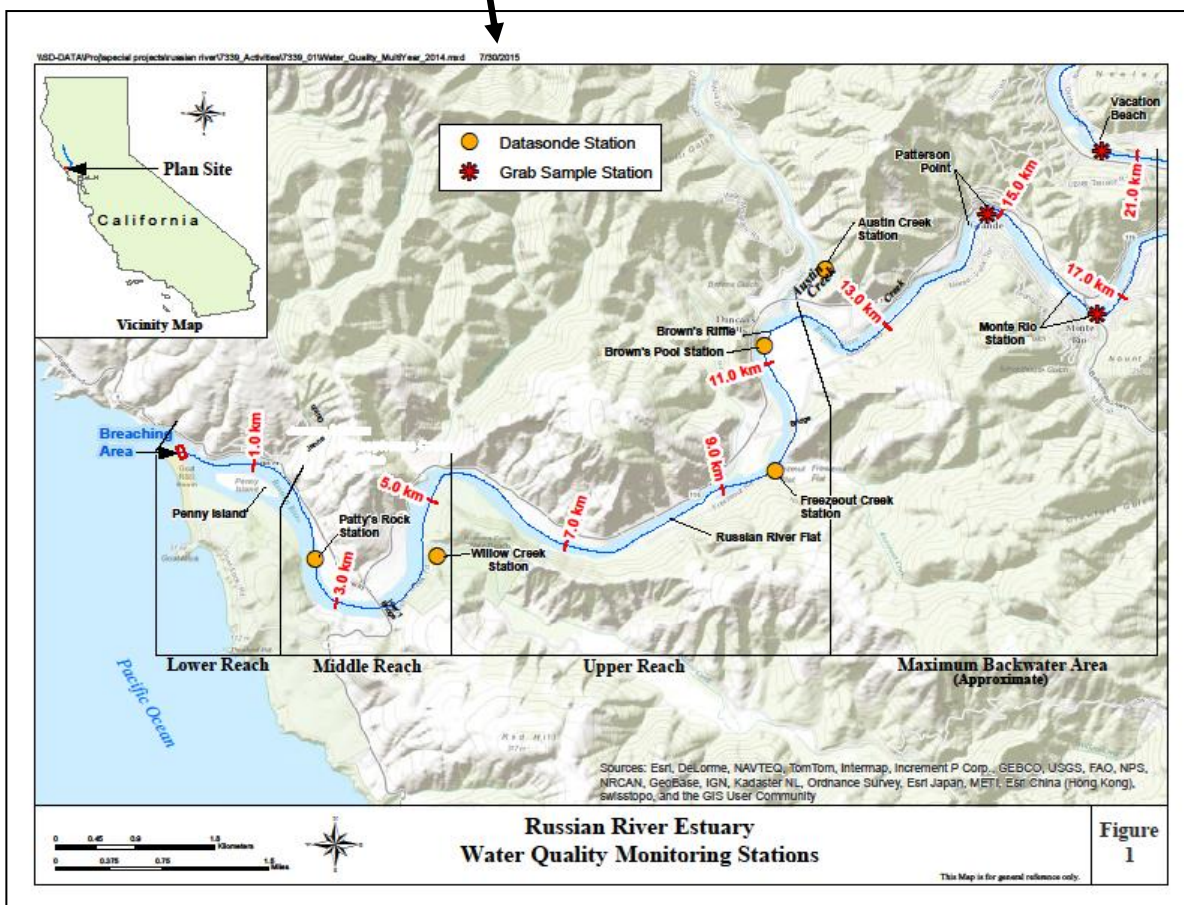
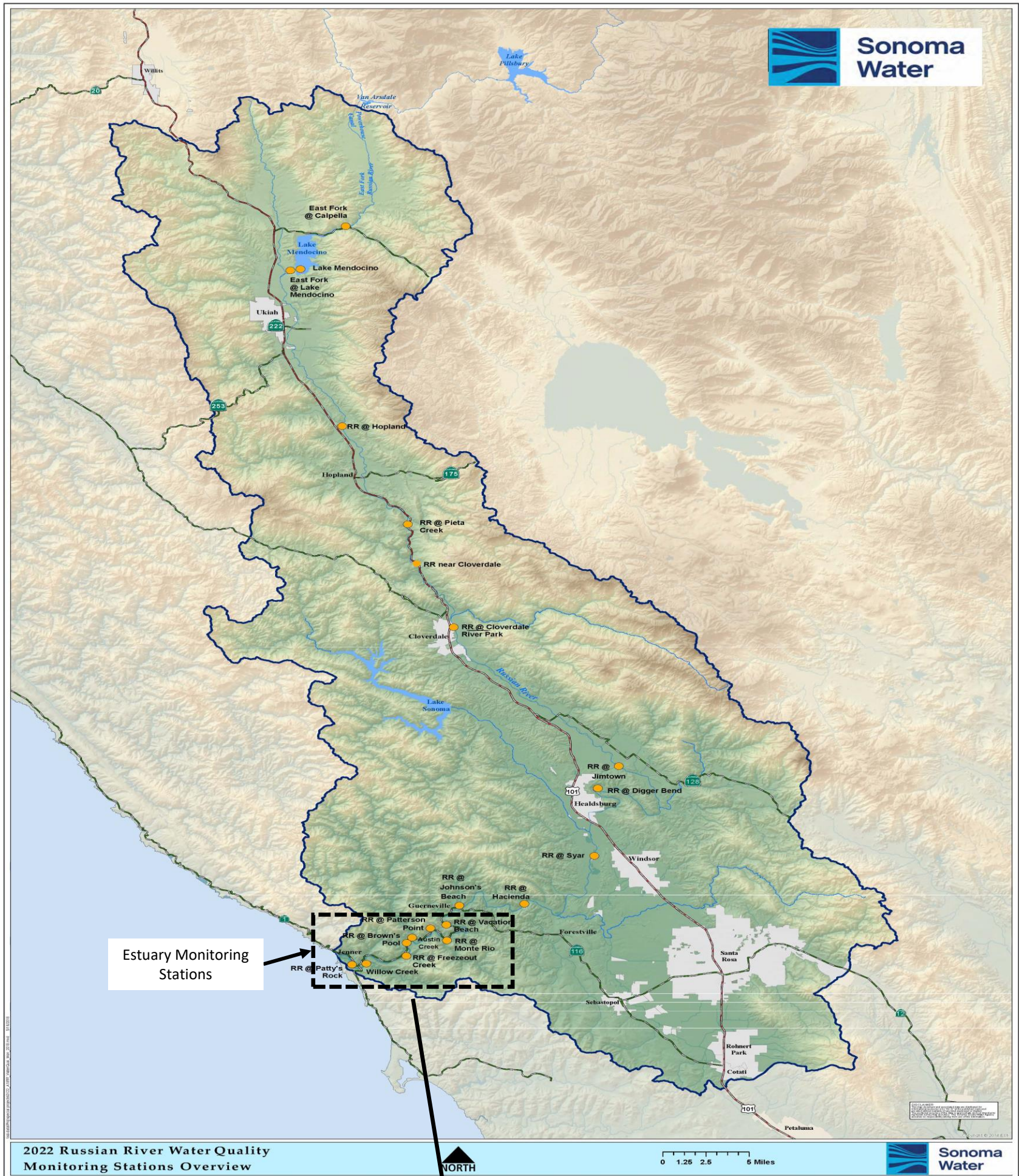
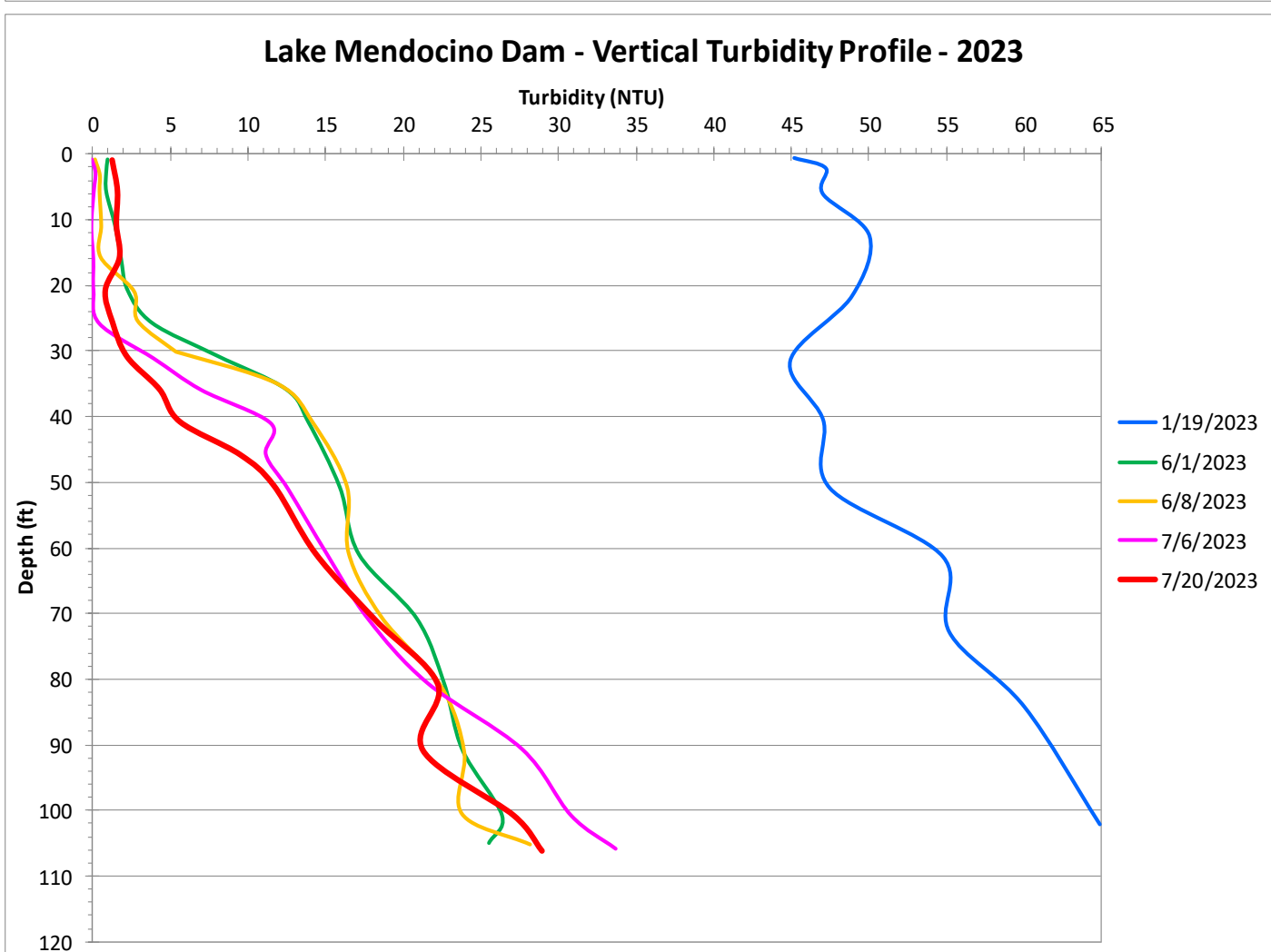
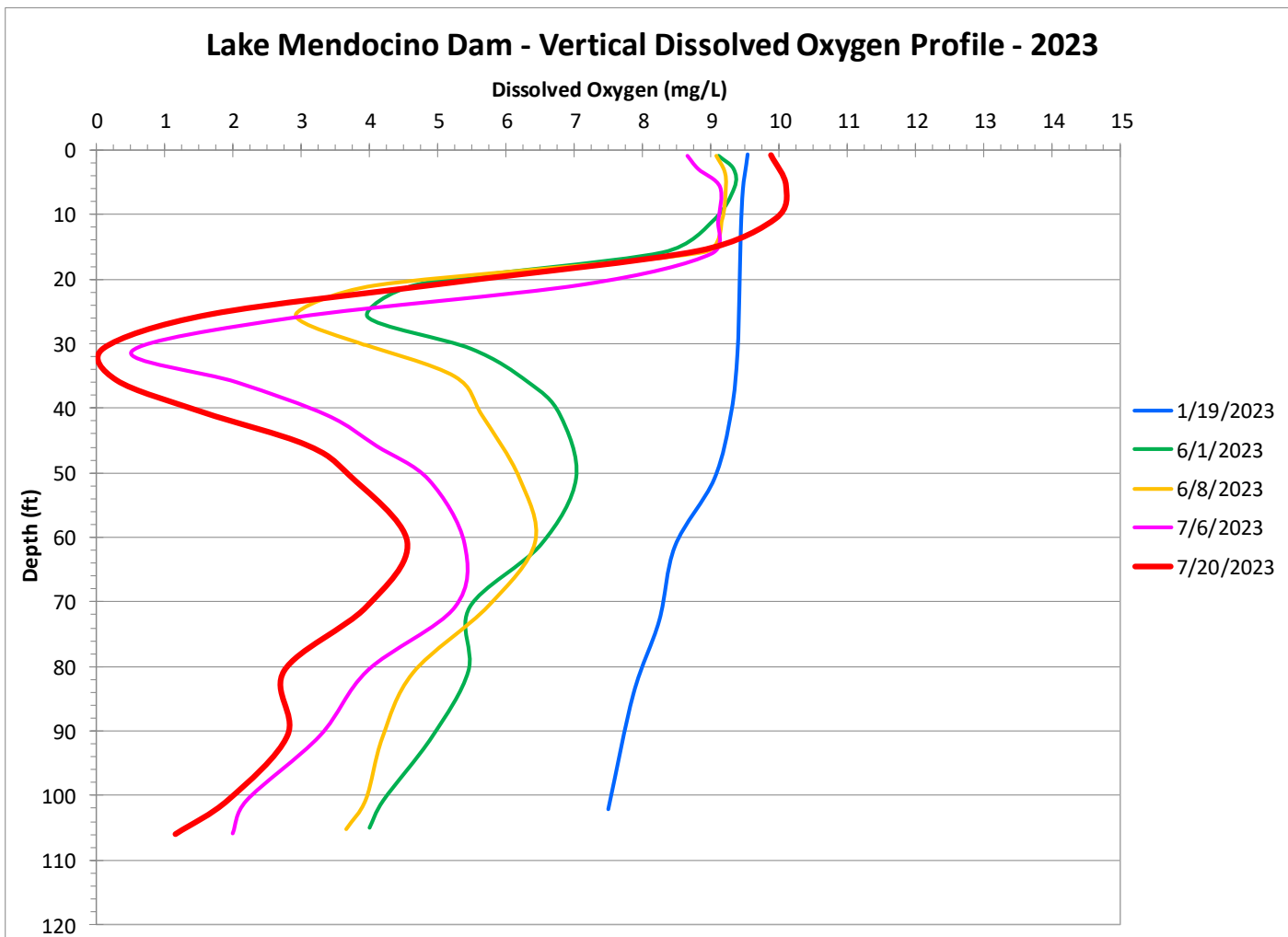
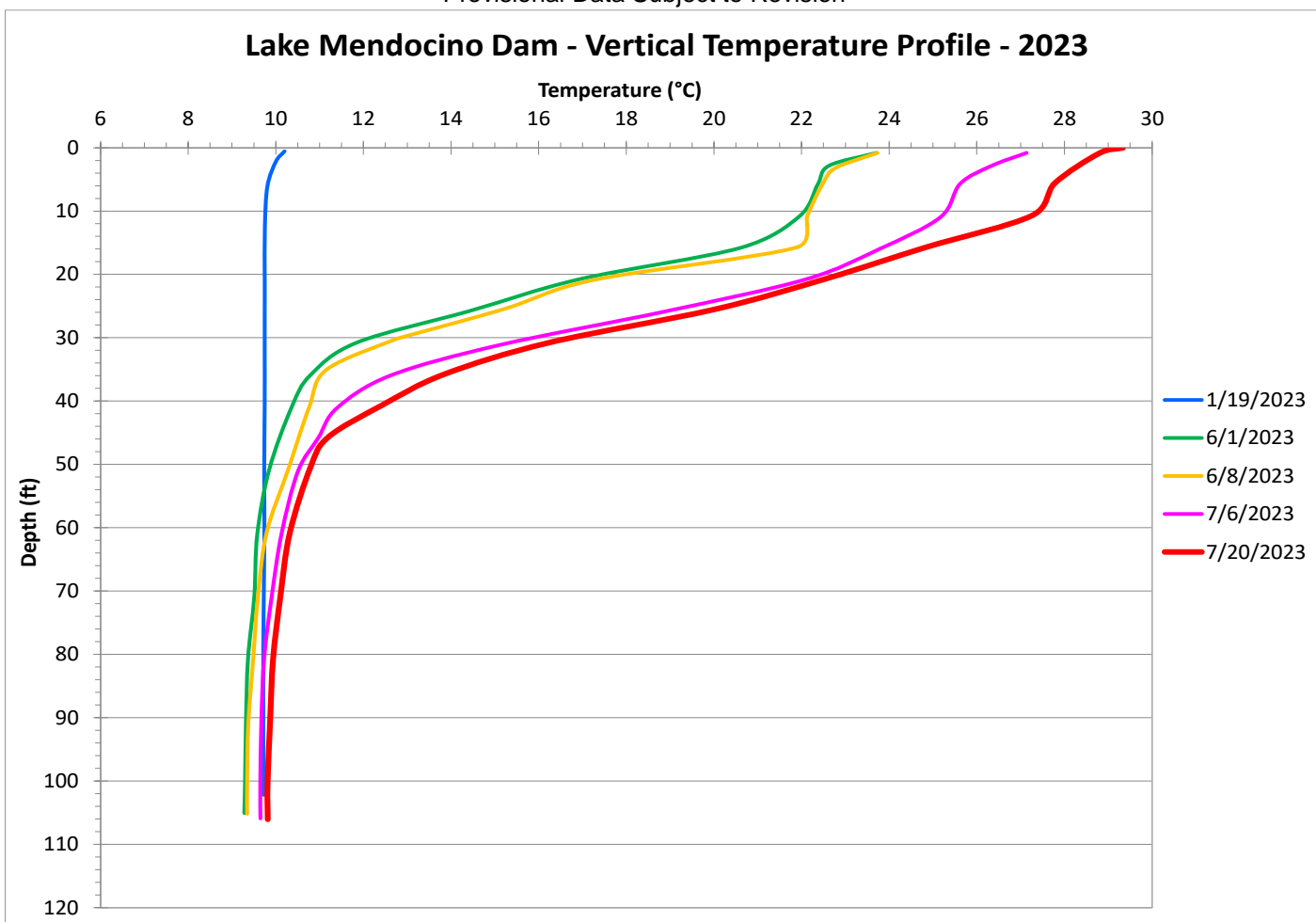


Figure 1

Lake Mendocino Water Quality Vertical Profiles (January 19 – July 20, 2023)

Provisional Data Subject to Revision

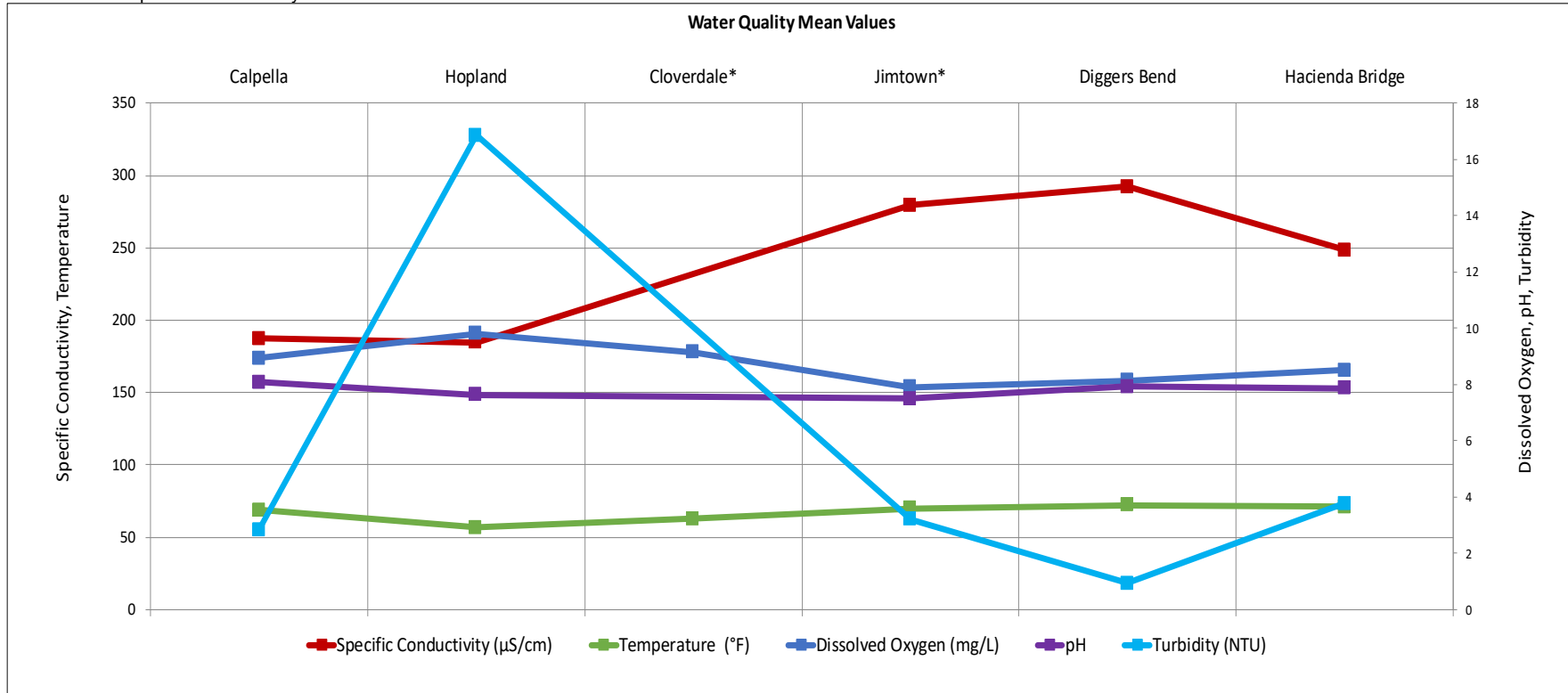


Russian River Water Quality Sondes (July 28 – August 3, 2023)

Provisional Data Subject to Revision

| Parameter | | Calpella | Hopland | Cloverdale* | Jimtown* | Diggers Bend | River Diversion System at Mirabel* | Hacienda Bridge | Johnsons Beach* |
|---------------------------------|------|---------------|---------------|---------------|---------------|---------------|------------------------------------|-----------------|-----------------|
| | | USGS 11461500 | USGS 11462500 | USGS 11463000 | USGS 11463682 | USGS 11463980 | SCWA | USGS 11467000 | SCWA |
| Temperature (°F) | Min | 66.0 | 54.7 | 59.7 | 66.4 | 68.7 | | 67.3 | |
| | Max | 71.2 | 59.0 | 66.9 | 74.5 | 76.3 | | 74.7 | |
| | Mean | 68.8 | 56.8 | 62.8 | 70.0 | 72.2 | | 71.0 | |
| Specific Conductivity (µS/cm) | Min | 181.0 | 183.0 | | 274.0 | 283.0 | | 247.0 | |
| | Max | 208.0 | 187.0 | | 286.0 | 300.0 | | 252.0 | |
| | Mean | 187.4 | 184.9 | | 279.7 | 292.4 | | 248.7 | |
| Dissolved Oxygen (mg/L) | Min | 8.4 | 9.3 | 8.1 | 6.7 | 7.4 | | 6.8 | |
| | Max | 9.6 | 10.5 | 10.6 | 9.7 | 8.9 | | 9.6 | |
| | Mean | 8.9 | 9.8 | 9.2 | 7.9 | 8.1 | | 8.5 | |
| Dissolved Oxygen (% Saturation) | Min | 94.0 | 88.4 | 83.9 | 73.1 | 82.0 | | 75.9 | |
| | Max | 108.1 | 103.5 | 113.3 | 112.5 | 105.7 | | 111.3 | |
| | Mean | 99.1 | 94.8 | 95.1 | 89.1 | 93.8 | | 96.7 | |
| pH | Min | 8.0 | 7.5 | | 7.4 | 7.8 | | 7.5 | |
| | Max | 8.3 | 7.8 | | 7.7 | 8.1 | | 8.2 | |
| | Mean | 8.1 | 7.6 | | 7.5 | 7.9 | | 7.9 | |
| Turbidity (NTU) | Min | 1.7 | 14.9 | | 2.5 | 0.5 | | 2.6 | |
| | Max | 4.8 | 18.5 | | 4.0 | 1.8 | | 6.3 | |
| | Mean | 2.8 | 16.9 | | 3.2 | 0.9 | | 3.8 | |

*Station operated seasonally

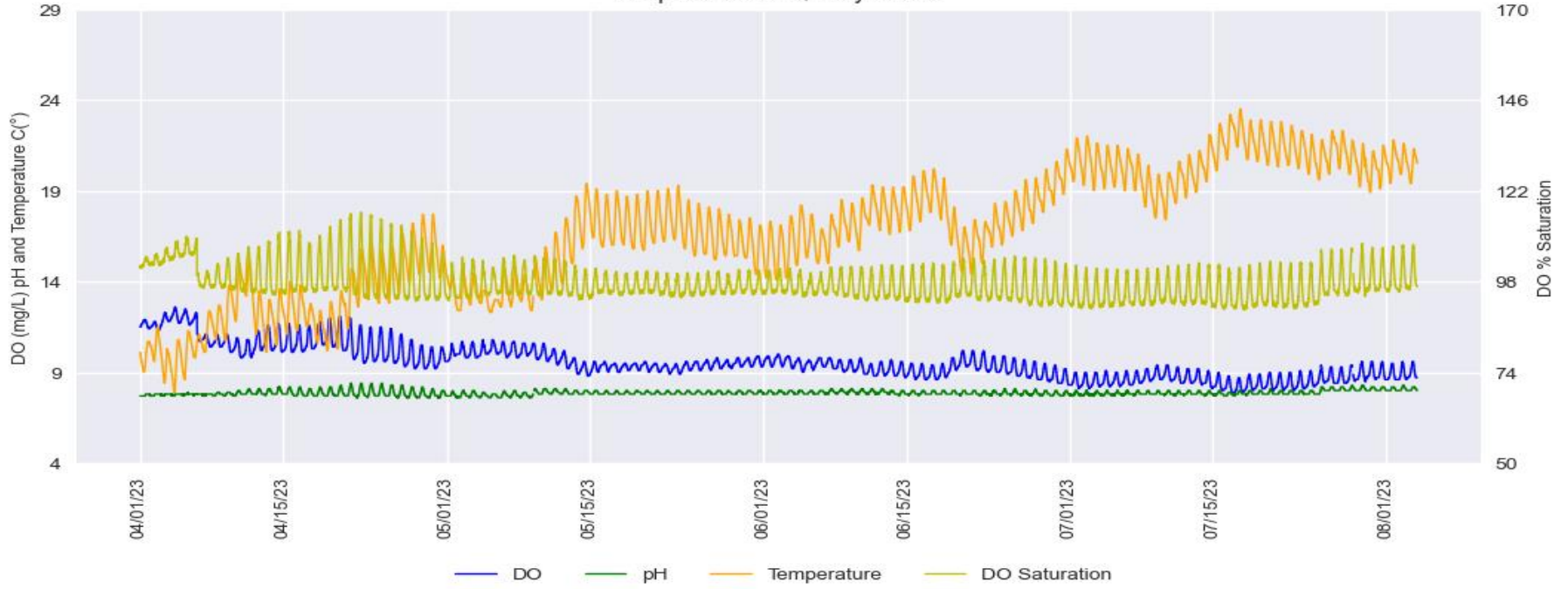


Russian River Water Quality April 1 – August 3, 2023

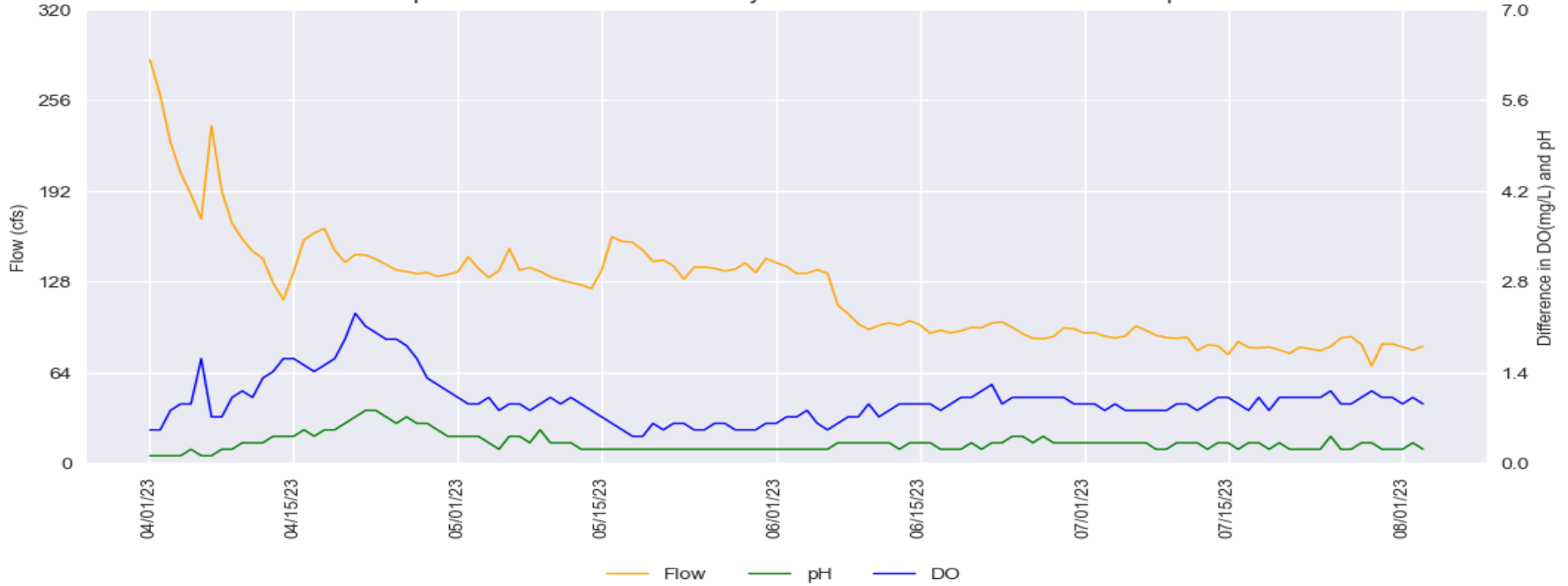
Provisional Data Subject to Revision

Calpella (East Fork Russian River)

Calpella Water Quality Trend



Calpella - Difference between Daily Maximum and Minimum for DO and pH

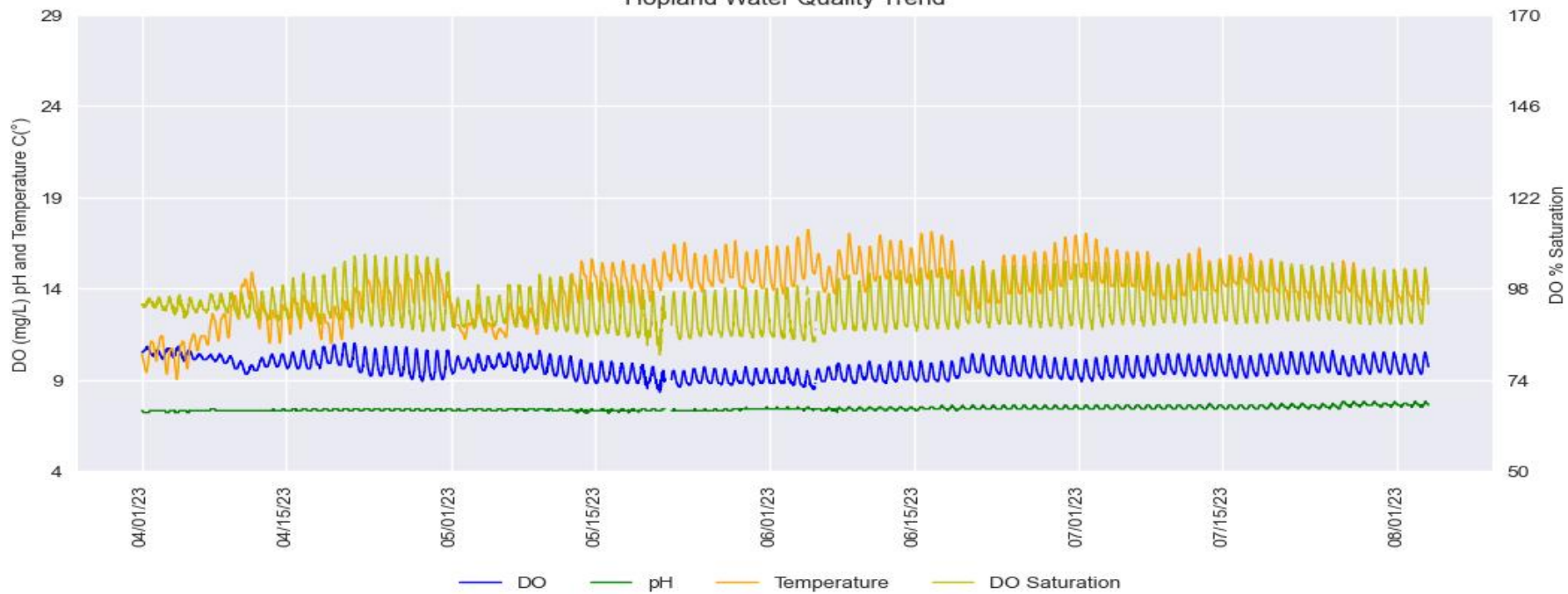


Russian River Water Quality April 1 – August 3, 2023

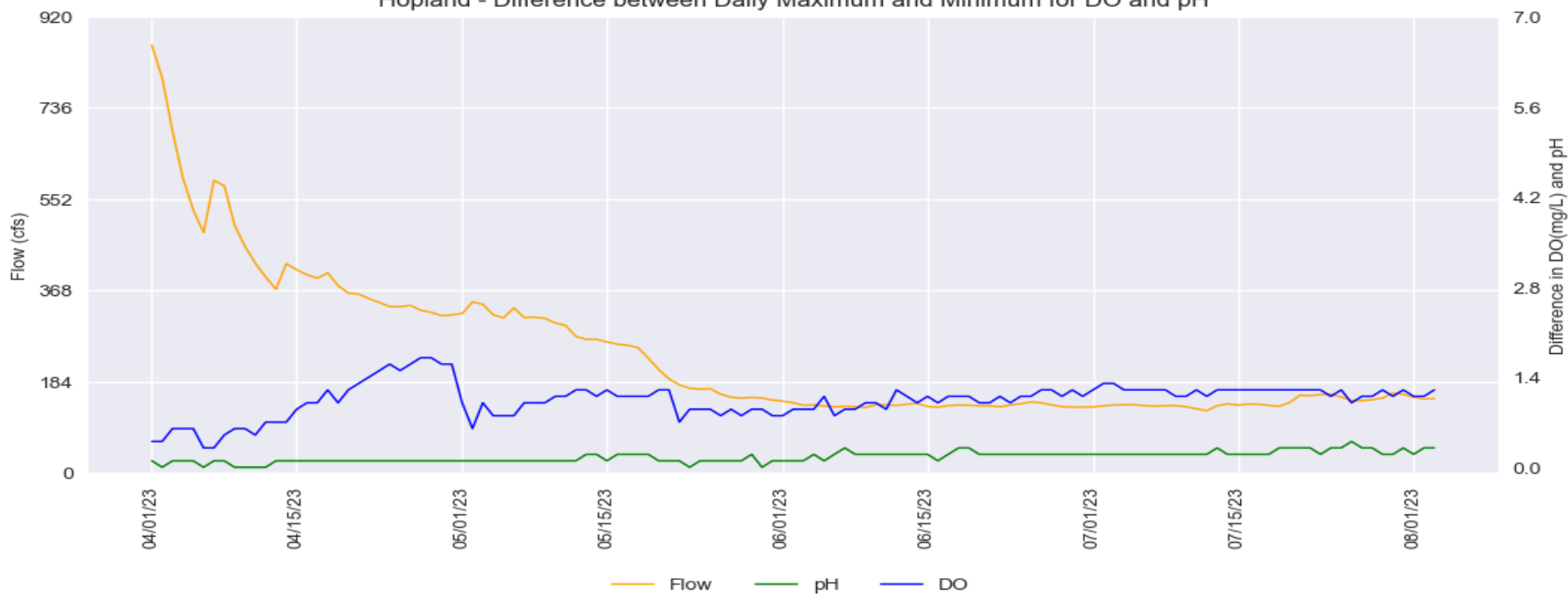
Provisional Data Subject to Revision

Hopland

Hopland Water Quality Trend

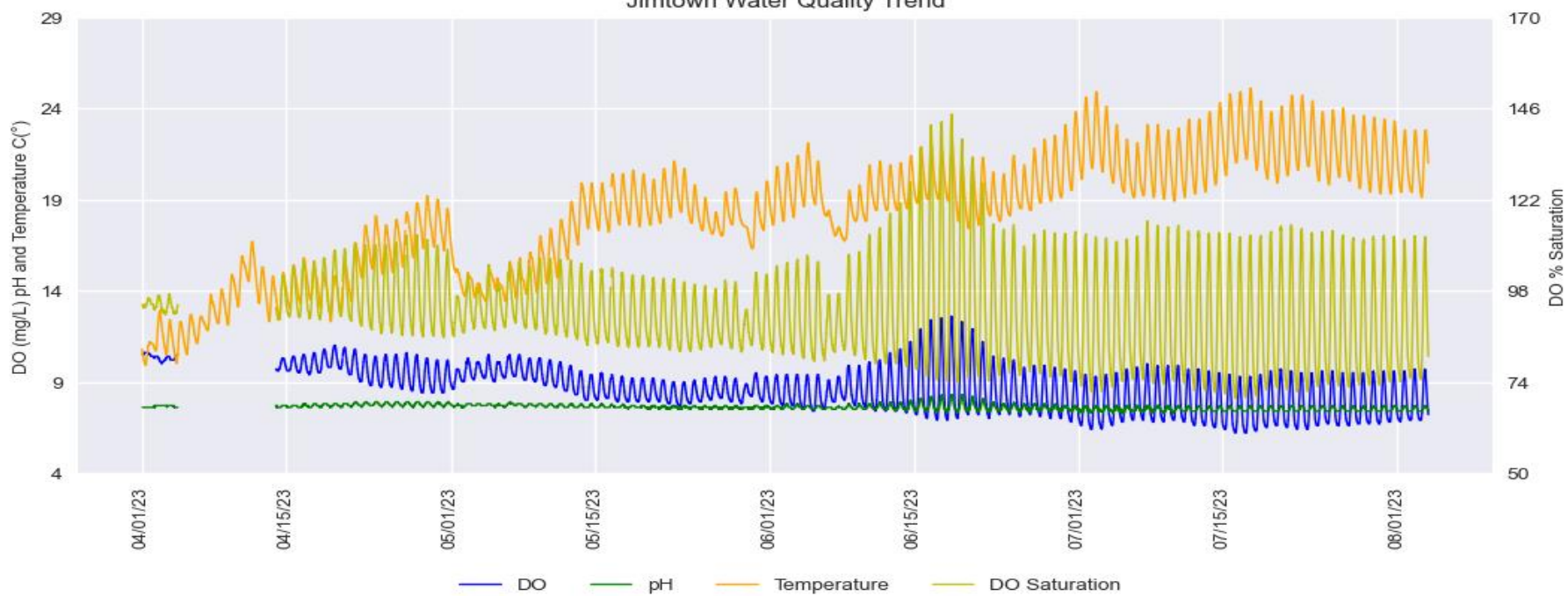


Hopland - Difference between Daily Maximum and Minimum for DO and pH

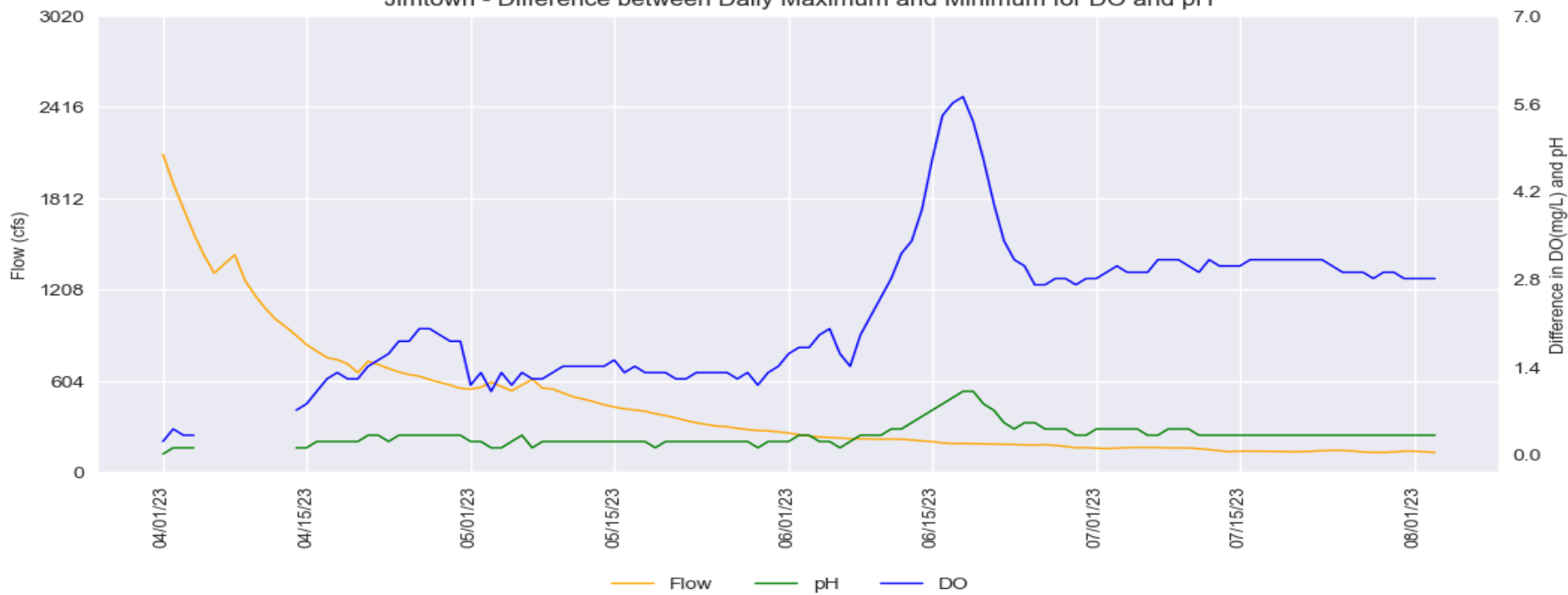


Jimtown

Jimtown Water Quality Trend



Jimtown - Difference between Daily Maximum and Minimum for DO and pH

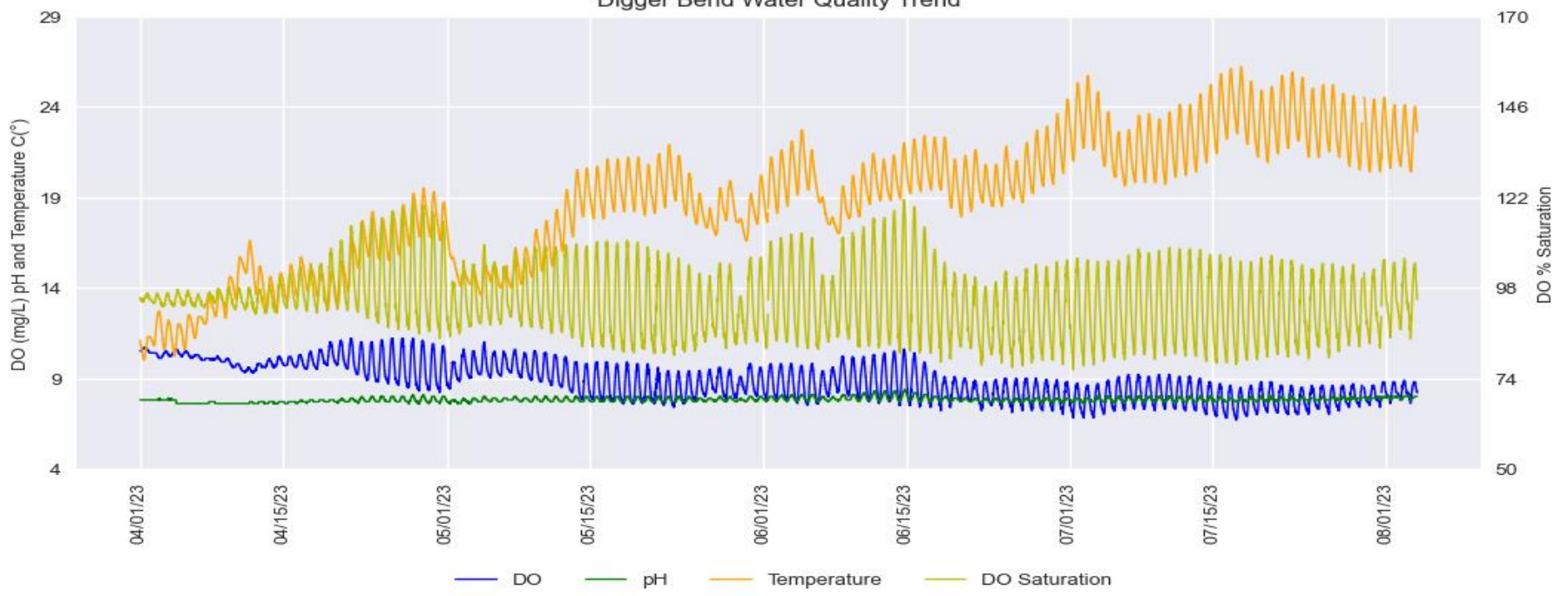


Russian River Water Quality April 1 – August 3, 2023

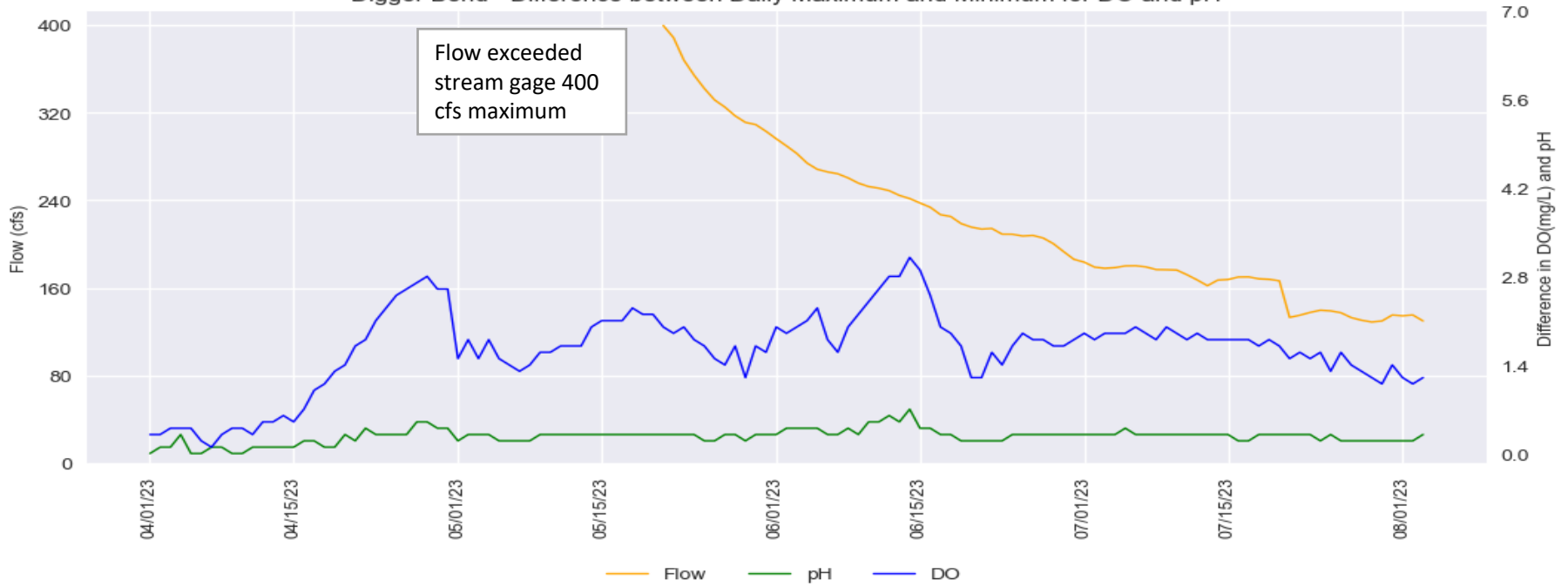
Provisional Data Subject to Revision

Diggers Bend

Digger Bend Water Quality Trend

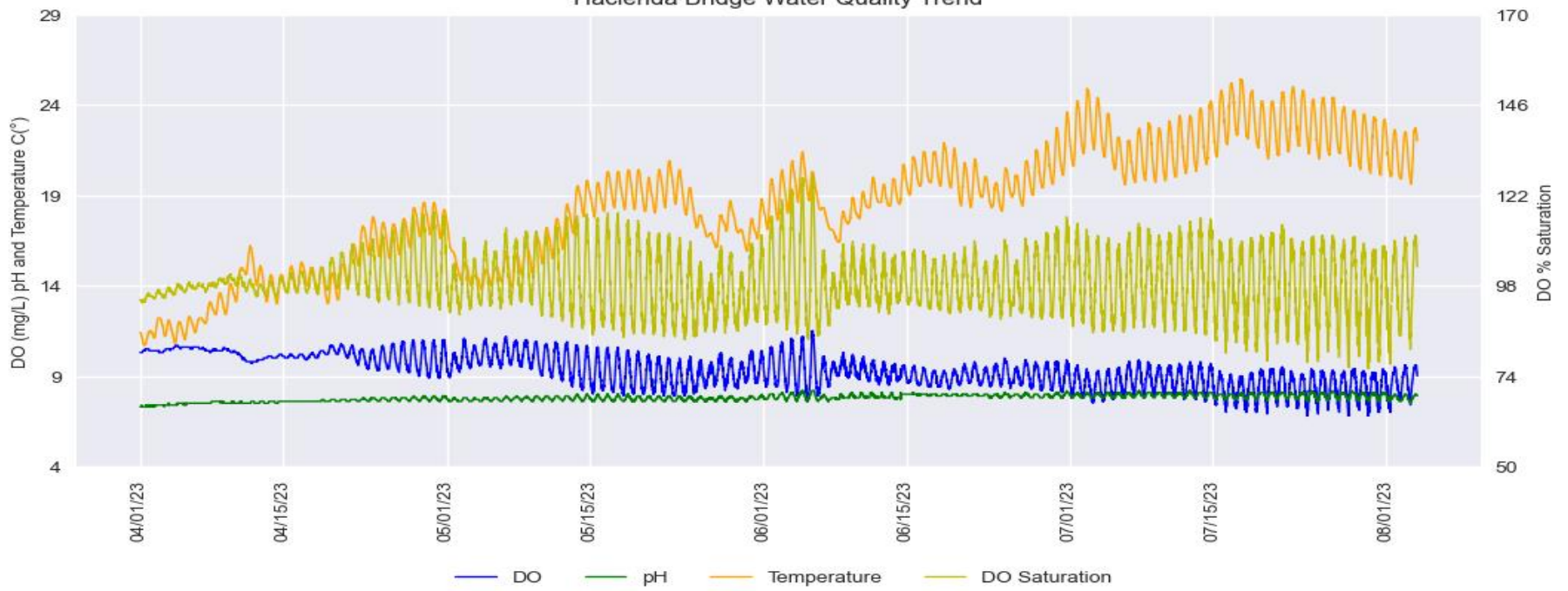


Digger Bend - Difference between Daily Maximum and Minimum for DO and pH



Hacienda Bridge

Hacienda Bridge Water Quality Trend



Hacienda Bridge - Difference between Daily Maximum and Minimum for DO and pH

