



Sonoma  
Water

State Water Resources Control Board  
Temporary Urgency Change Orders (06/27/2025)  
Russian River Hydrologic & Water Quality Report  
June 27, 2025 - July 3, 2025

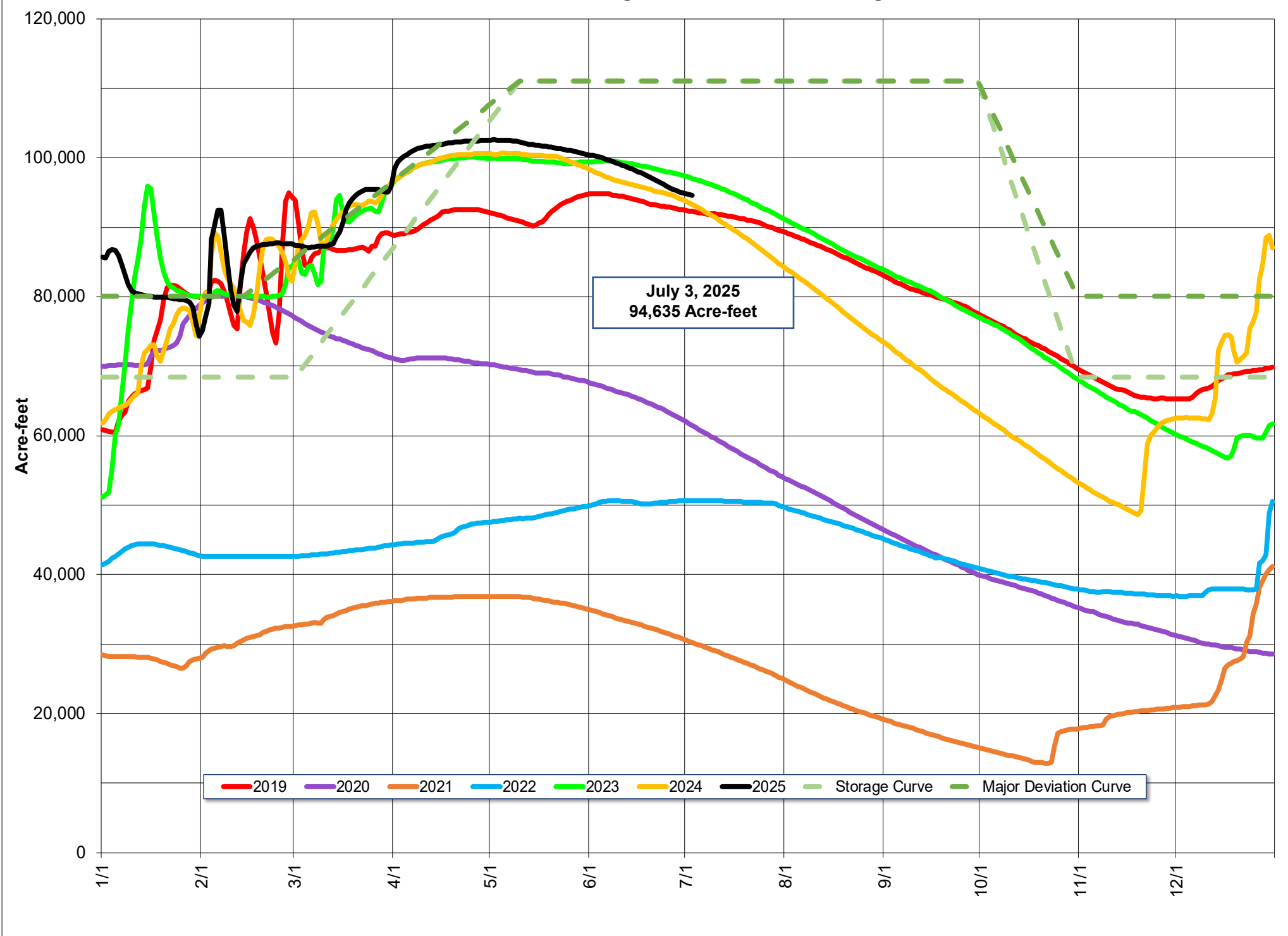
Prepared as a requirement of the Orders approving Sonoma Water's Petition for Temporary Urgency Change in Permits 12947A, 12949, 12950, and 16596 (Applications 12919A, 15736, 15737, and 19351).

Instream Flow Requirements as of July 3, 2025

| Basis                                | Reach               | Instantaneous (cfs) | 5-day Average (cfs) |
|--------------------------------------|---------------------|---------------------|---------------------|
| Modified Per Order: Normal Condition | Upper Russian River | 110                 | 125                 |
| Modified Per Order: Normal Condition | Dry Creek           | 80                  | -                   |
| Modified Per Order: Normal Condition | Lower Russian River | 60                  | 70                  |

Lake Mendocino

Lake Mendocino Storage 2019 - 2025 and Storage Curve

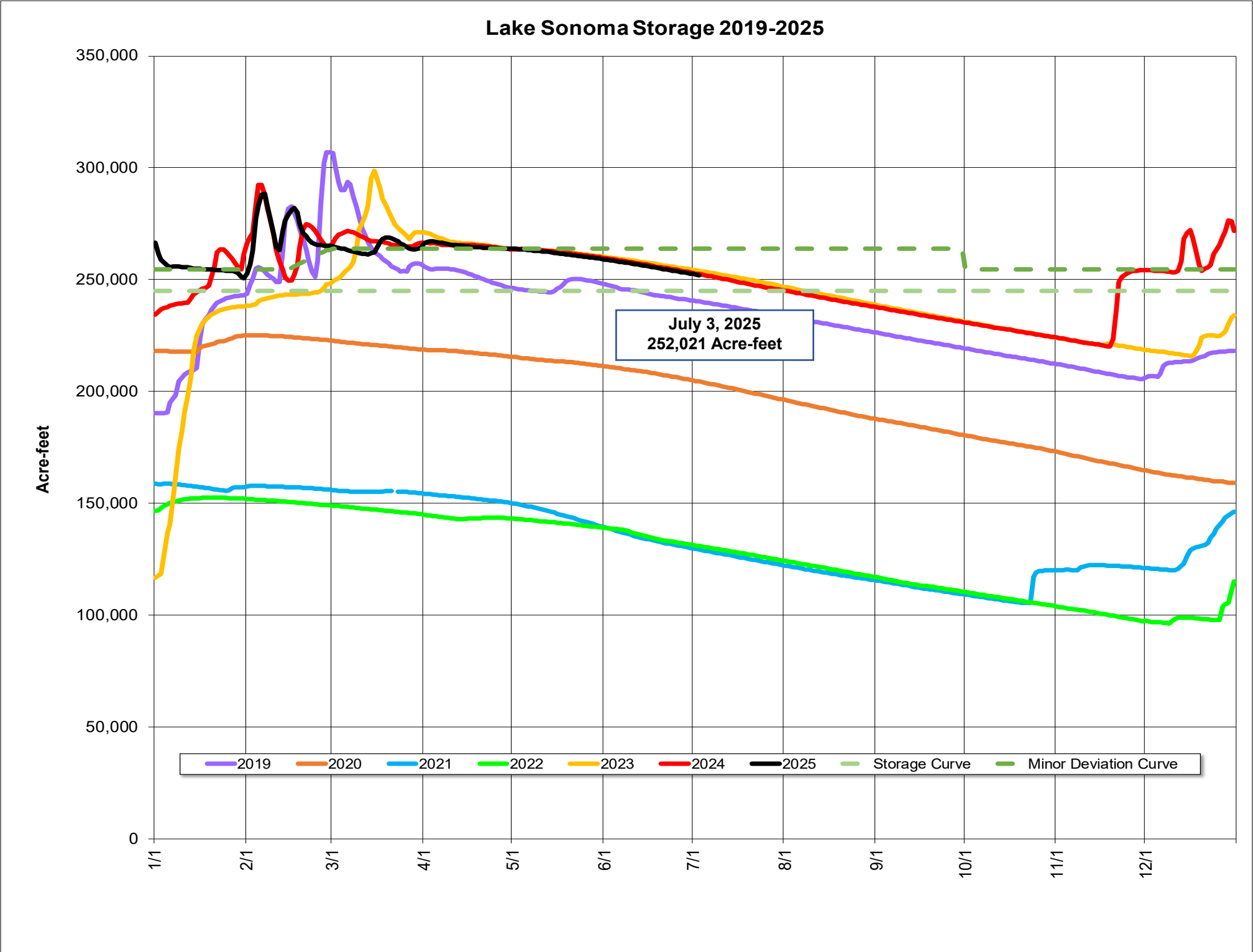


|                               |              |        |                    |
|-------------------------------|--------------|--------|--------------------|
| Storage (acre-feet)           | July 3, 2025 | 94,635 |                    |
|                               |              | Total  | Average Daily Rate |
| Change in Storage (acre-feet) | Last 30 days | -5,529 | -184               |
|                               | Last 7 days  | -832   | -119               |
| Daily Inflow (cfs)            | Last 7 days  | Min    | 103                |
|                               |              | Max    | 130                |
|                               |              | Mean   | 119                |
| Release (cfs)                 | Last 7 days  | Min    | 155                |
|                               |              | Max    | 218                |
|                               |              | Mean   | 176                |

Lake Sonoma



Todd Schram, February 10 , 2024



|                               |              |         |                    |
|-------------------------------|--------------|---------|--------------------|
| Storage (acre-feet)           | July 3, 2025 | 252,021 |                    |
|                               |              | Total   | Average Daily Rate |
| Change in Storage (acre-feet) | Last 30 days | -6,592  | -220               |
|                               | Last 7 days  | -1,401  | -200               |
| Daily Inflow (cfs)            | Last 7 days  | Min     | -13                |
|                               |              | Max     | 30                 |
|                               |              | Mean    | 11                 |
| Release (cfs)                 | Last 7 days  | Min     | 100                |
|                               |              | Max     | 101                |
|                               |              | Mean    | 100                |

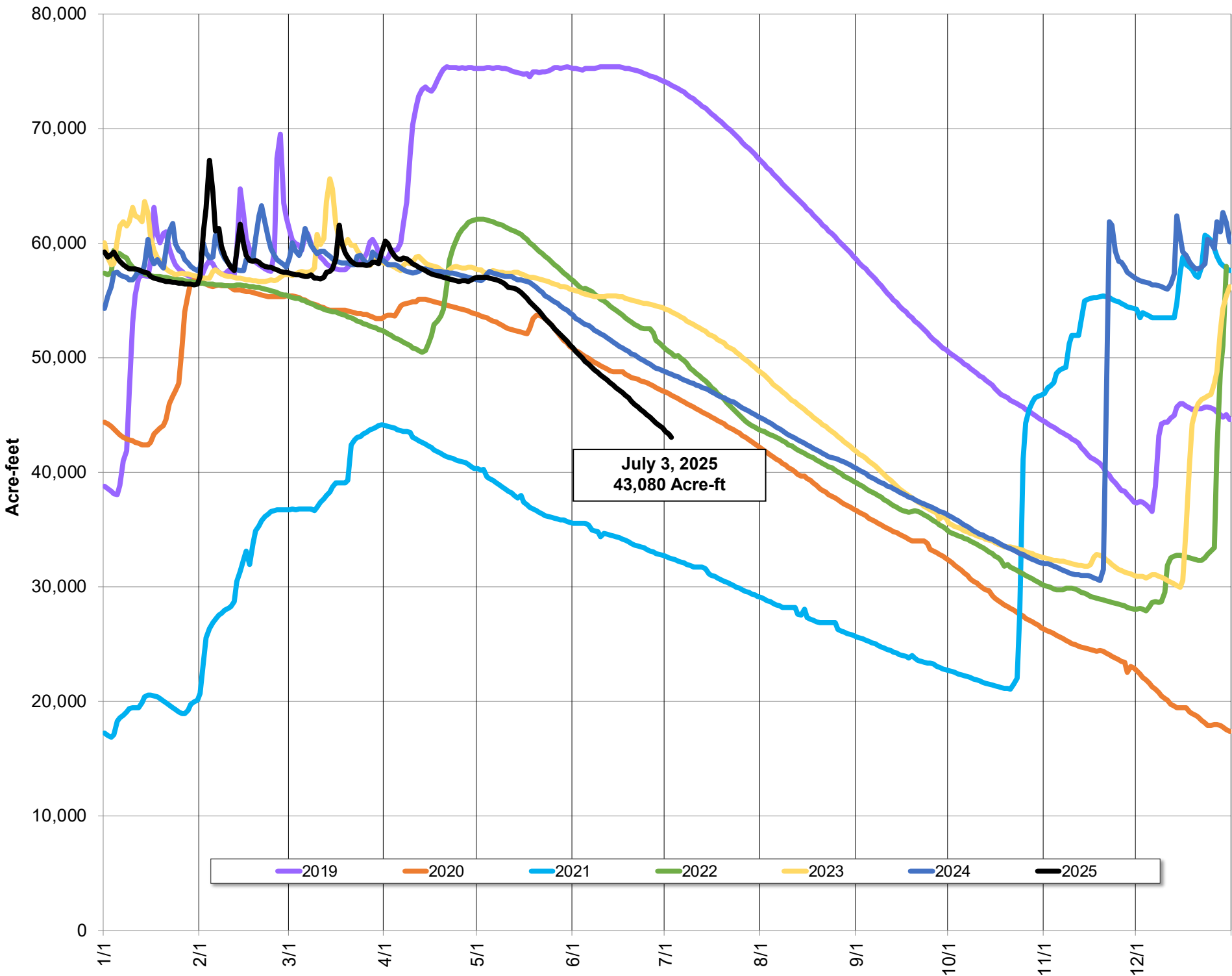
Potter Valley Project

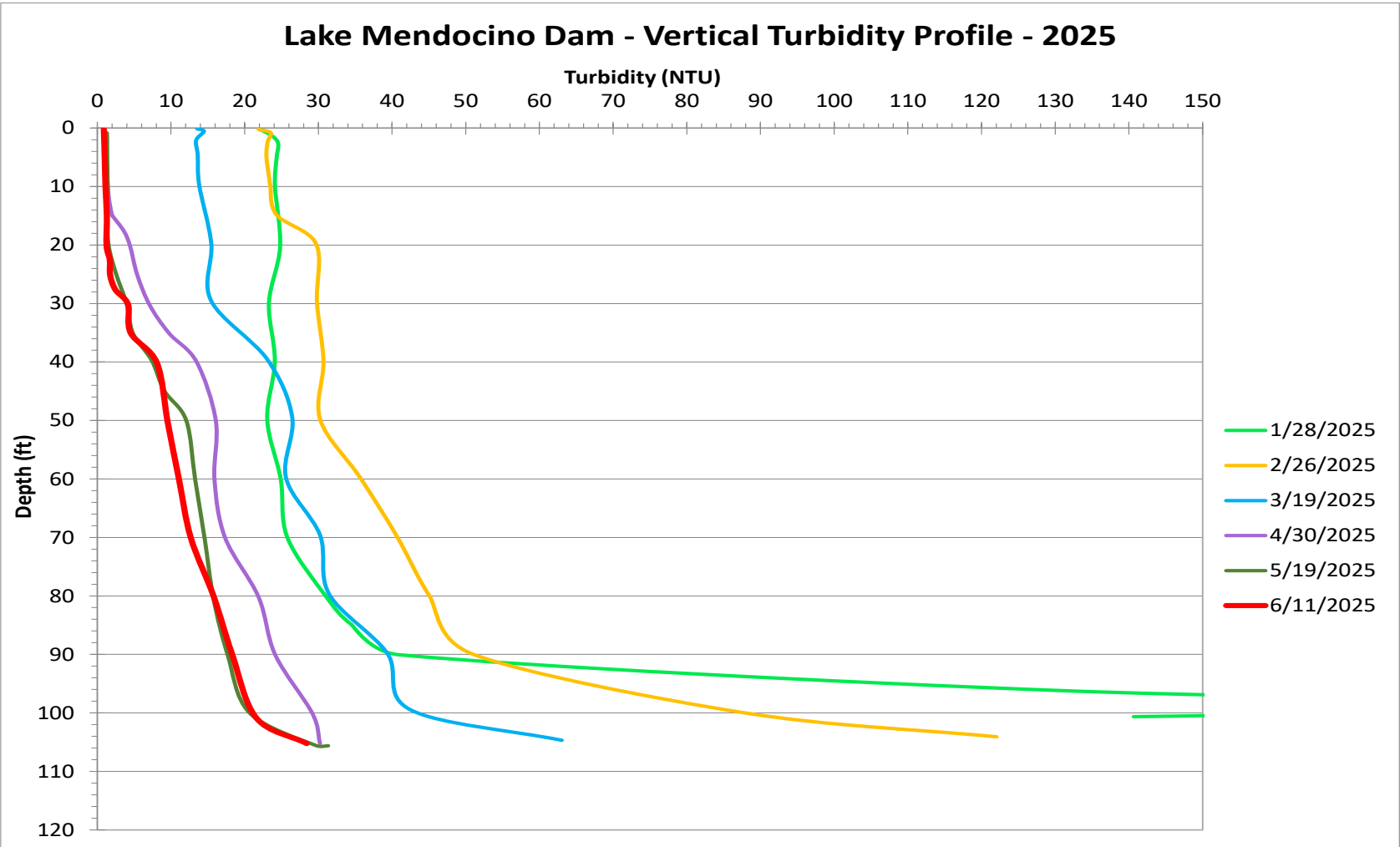
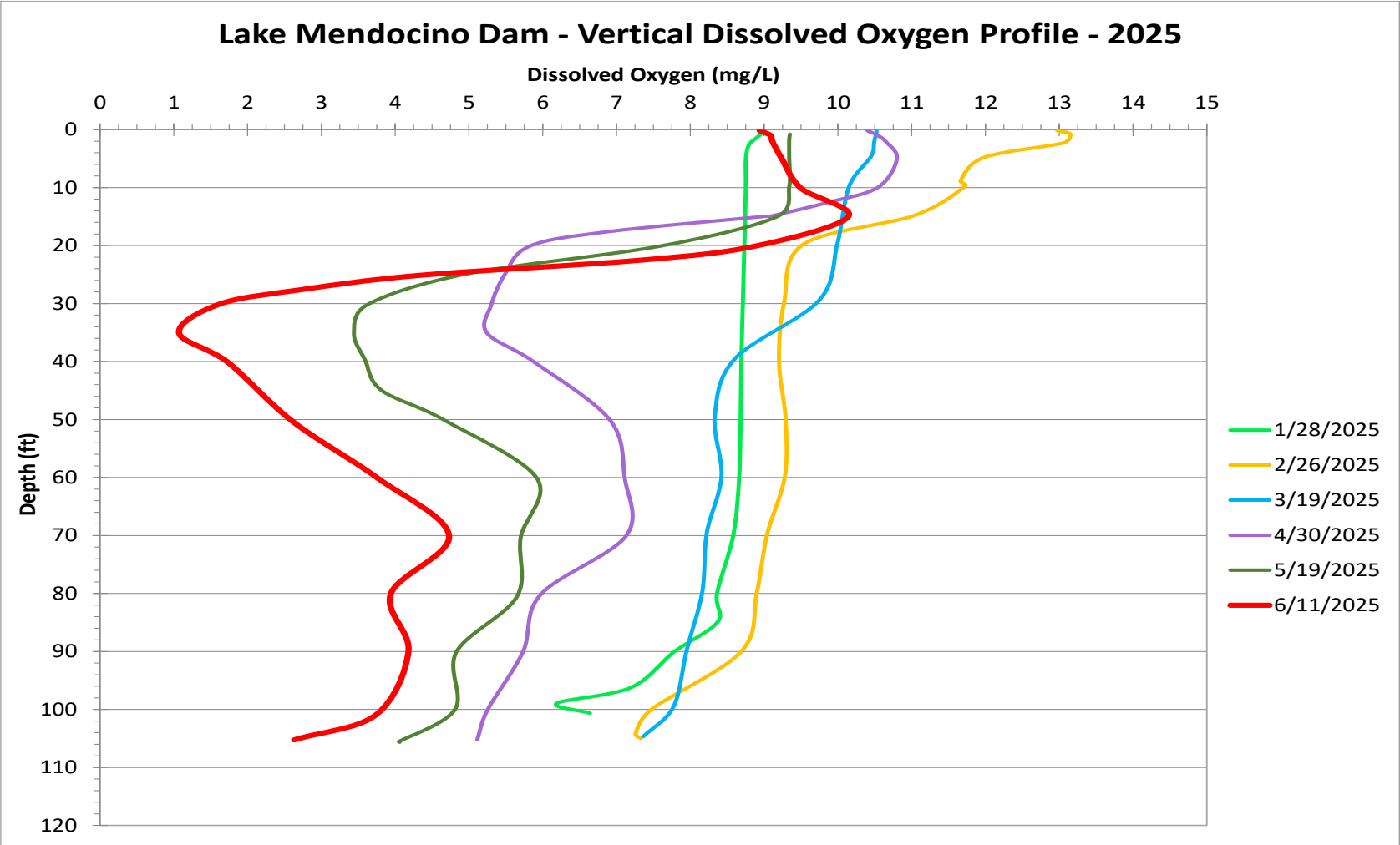
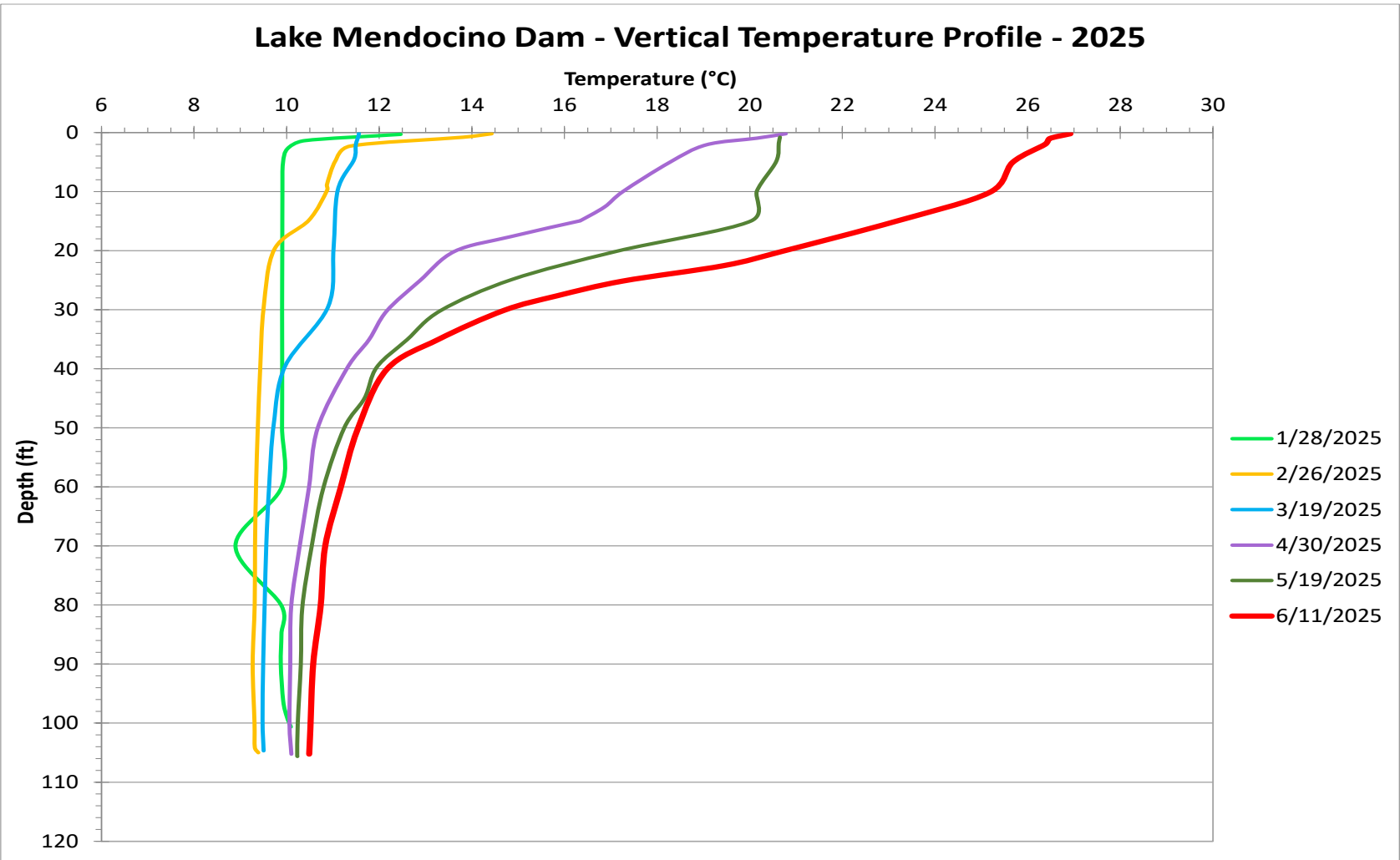
|                        |              |     |
|------------------------|--------------|-----|
| PVP Diversion<br>(cfs) | July 3, 2025 | 130 |
|------------------------|--------------|-----|

| Parameter              | Date Range                     | Cumulative | Daily Average |
|------------------------|--------------------------------|------------|---------------|
| Inflow*<br>(acre-feet) | October 1, 2024 - July 3, 2025 | 604,759    | 2,191         |
|                        | Last 7 days                    | 487        | 70            |

\*Inflow calculation based on criteria established in D1610

Lake Pillsbury Storage 2019 - 2025 and Target Storage Scenarios





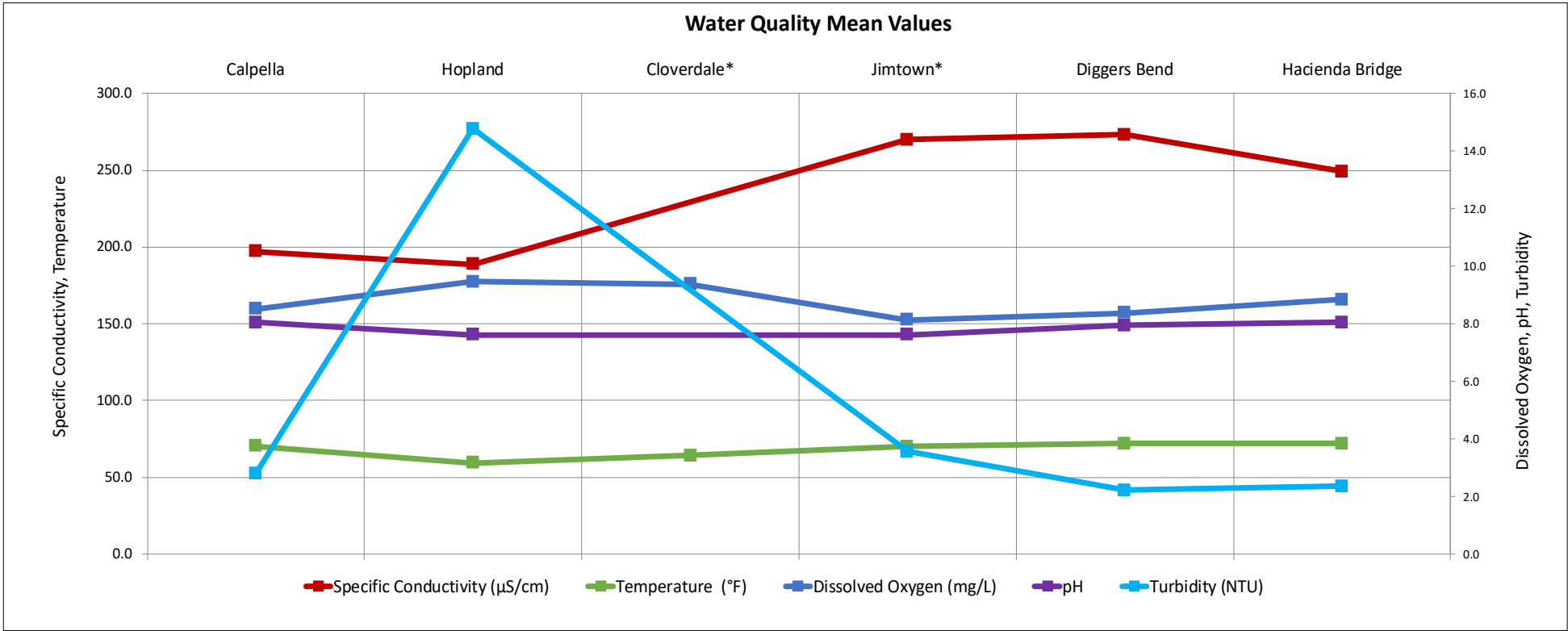


Russian River Flows (June 27, 2025 - July 3, 2025)

| 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  | 64.9          | 55.6          | 59.9          | 65.8          | 66.9          |                                    | 67.3            |                 |
|                                 | Max  | 73.9          | 63.0          | 69.3          | 73.4          | 75.7          |                                    | 75.4            |                 |
|                                 | Mean | 70.2          | 59.4          | 64.2          | 69.8          | 71.8          |                                    | 71.8            |                 |
| Specific Conductivity (µS/cm)   | Min  | 194.0         | 184.0         |               | 264.0         | 269.0         |                                    | 243.0           |                 |
|                                 | Max  | 201.0         | 195.0         |               | 283.0         | 282.0         |                                    | 254.0           |                 |
|                                 | Mean | 197.2         | 188.7         |               | 270.1         | 273.2         |                                    | 249.2           |                 |
| Dissolved Oxygen (mg/L)         | Min  | 8.0           | 8.8           | 8.1           | 7.0           | 7.3           |                                    | 7.6             |                 |
|                                 | Max  | 9.3           | 10.3          | 10.6          | 9.6           | 9.6           |                                    | 10.1            |                 |
|                                 | Mean | 8.5           | 9.5           | 9.4           | 8.1           | 8.4           |                                    | 8.8             |                 |
| Dissolved Oxygen (% Saturation) | Min  | 91.7          | 87.5          | 86.1          | 76.4          | 80.4          |                                    | 86.2            |                 |
|                                 | Max  | 104.7         | 103.7         | 114.1         | 111.7         | 113.3         |                                    | 118.6           |                 |
|                                 | Mean | 95.8          | 94.3          | 98.9          | 91.4          | 96.1          |                                    | 101.5           |                 |
| pH                              | Min  | 7.9           | 7.5           |               | 7.5           | 7.8           |                                    | 7.8             |                 |
|                                 | Max  | 8.2           | 7.7           |               | 7.7           | 8.1           |                                    | 8.3             |                 |
|                                 | Mean | 8.0           | 7.6           |               | 7.6           | 7.9           |                                    | 8.0             |                 |
| Turbidity (NTU)                 | Min  | 1.6           | 12.1          |               | 2.3           | 1.4           |                                    | 1.4             |                 |
|                                 | Max  | 4.3           | 18.8          |               | 5.6           | 3.3           |                                    | 3.5             |                 |
|                                 | Mean | 2.8           | 14.8          |               | 3.5           | 2.2           |                                    | 2.3             |                 |

\*Station operated seasonally

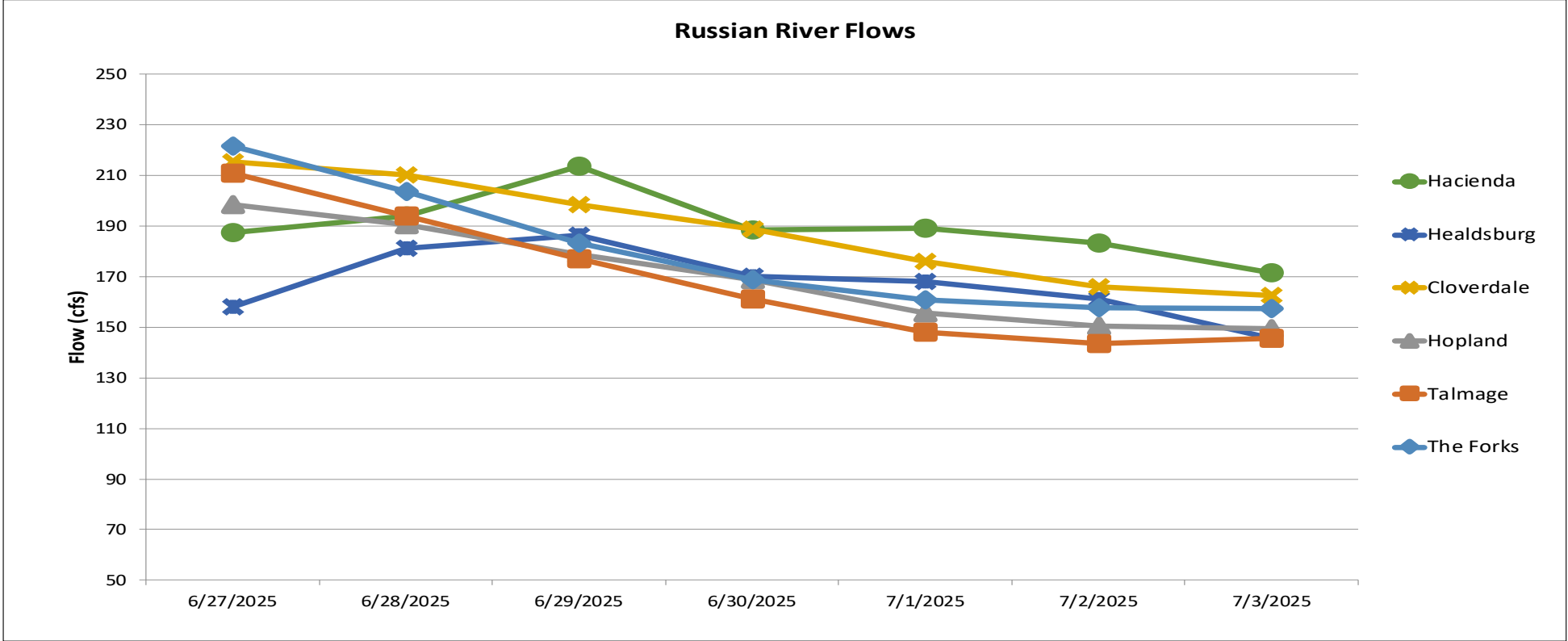
Water Quality Mean Values



| Gage                        | 24-hr Average Flow (cfs) |              |              |              |             |             |             |
|-----------------------------|--------------------------|--------------|--------------|--------------|-------------|-------------|-------------|
|                             | Jun 27, 2025             | Jun 28, 2025 | Jun 29, 2025 | Jun 30, 2025 | Jul 1, 2025 | Jul 2, 2025 | Jul 3, 2025 |
| The Forks*                  | 222                      | 204          | 183          | 169          | 161         | 158         | 157         |
| Talmage<br>USGS 11462080    | 211                      | 194          | 177          | 161          | 148         | 144         | 146         |
| Hopland<br>USGS 11462500    | 198                      | 191          | 179          | 169          | 156         | 150         | 150         |
| Cloverdale<br>USGS 11463000 | 215                      | 210          | 198          | 189          | 176         | 166         | 162         |
| Healdsburg<br>USGS 11464000 | 158                      | 181          | 186          | 170          | 168         | 161         | 146         |
| Hacienda<br>USGS 11467000   | 188                      | 194          | 214          | 188          | 189         | 183         | 172         |

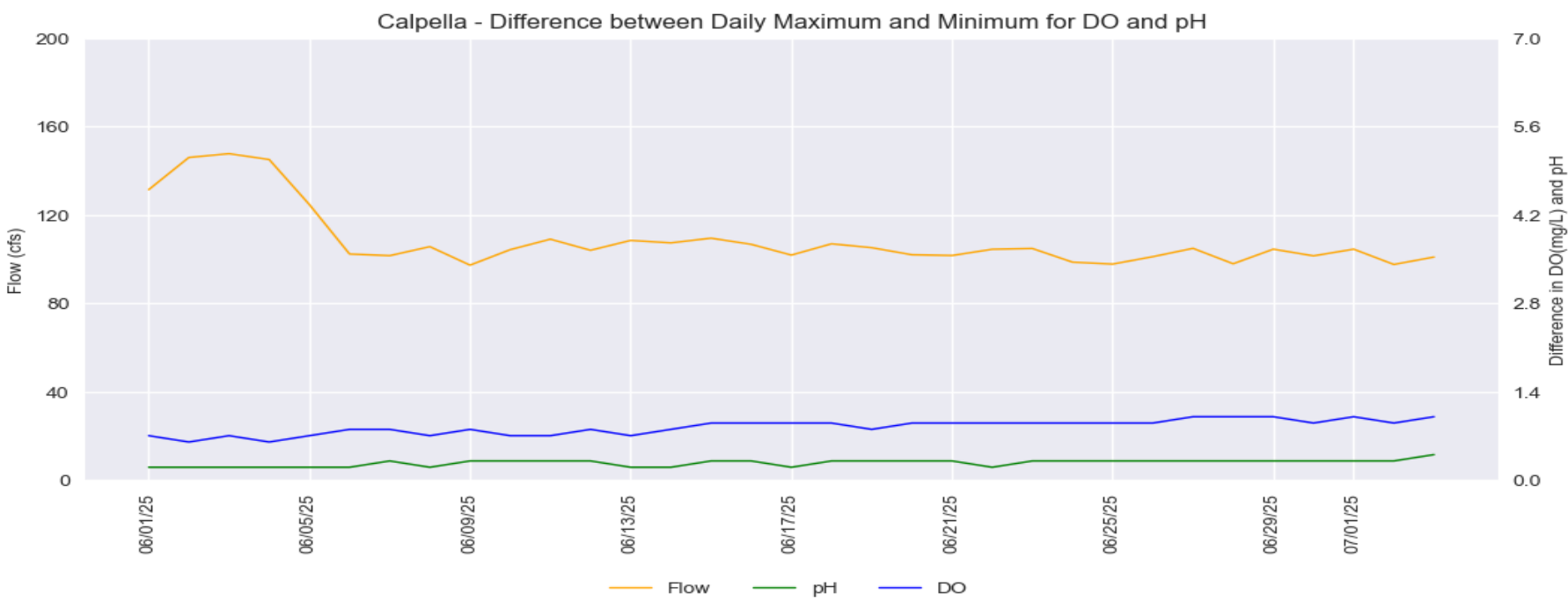
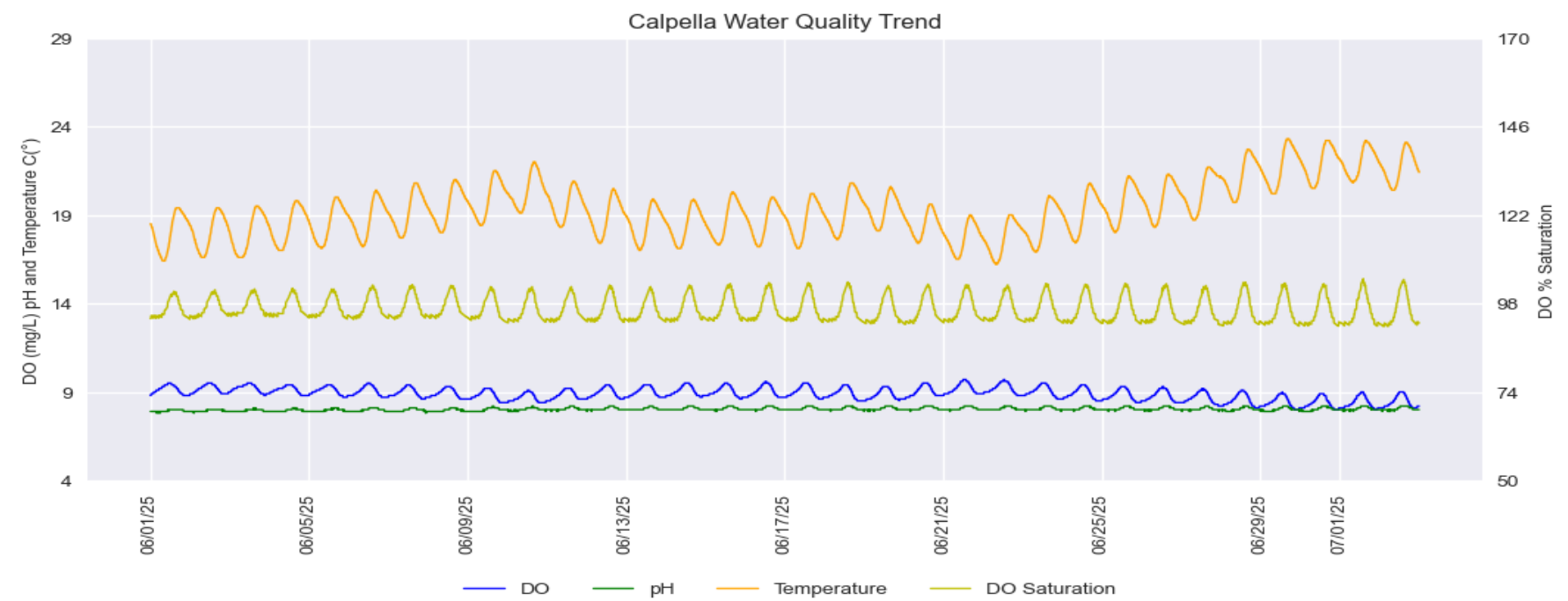
\*West Fork(USGS 11461000) + East Fork (Coyote Valley Dam Release)

Russian River Flows

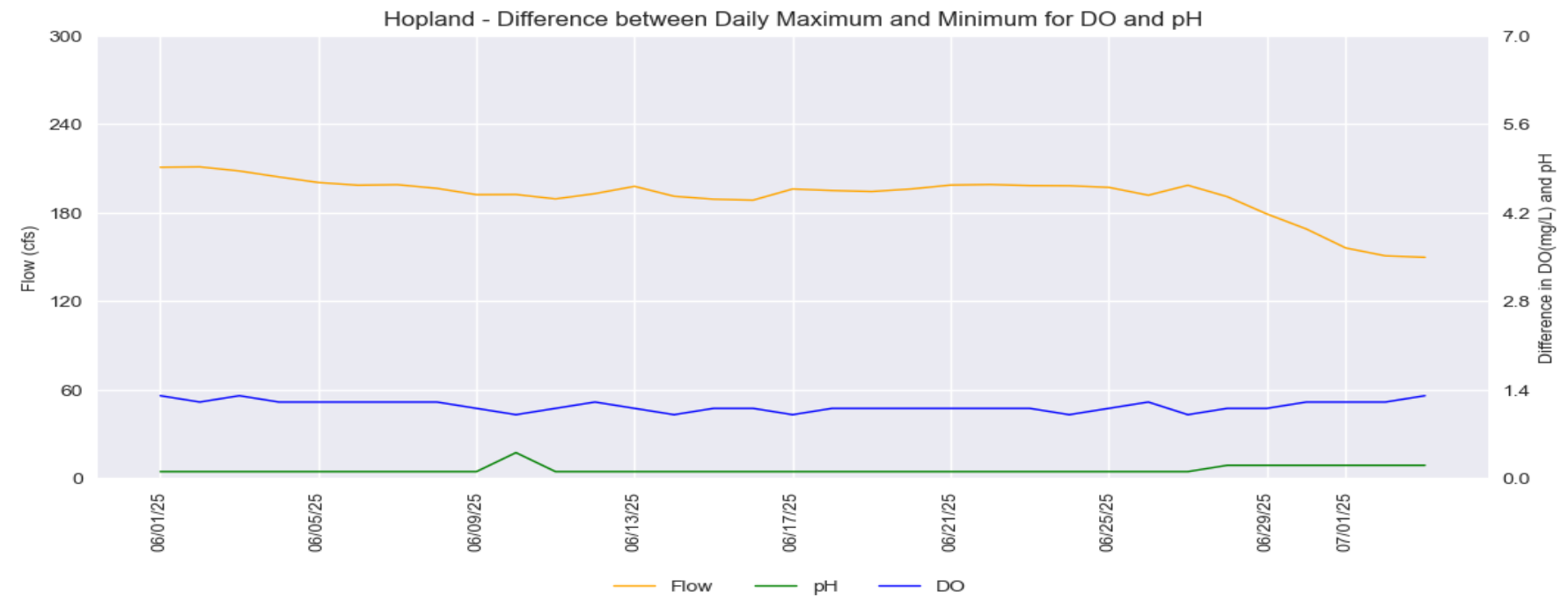
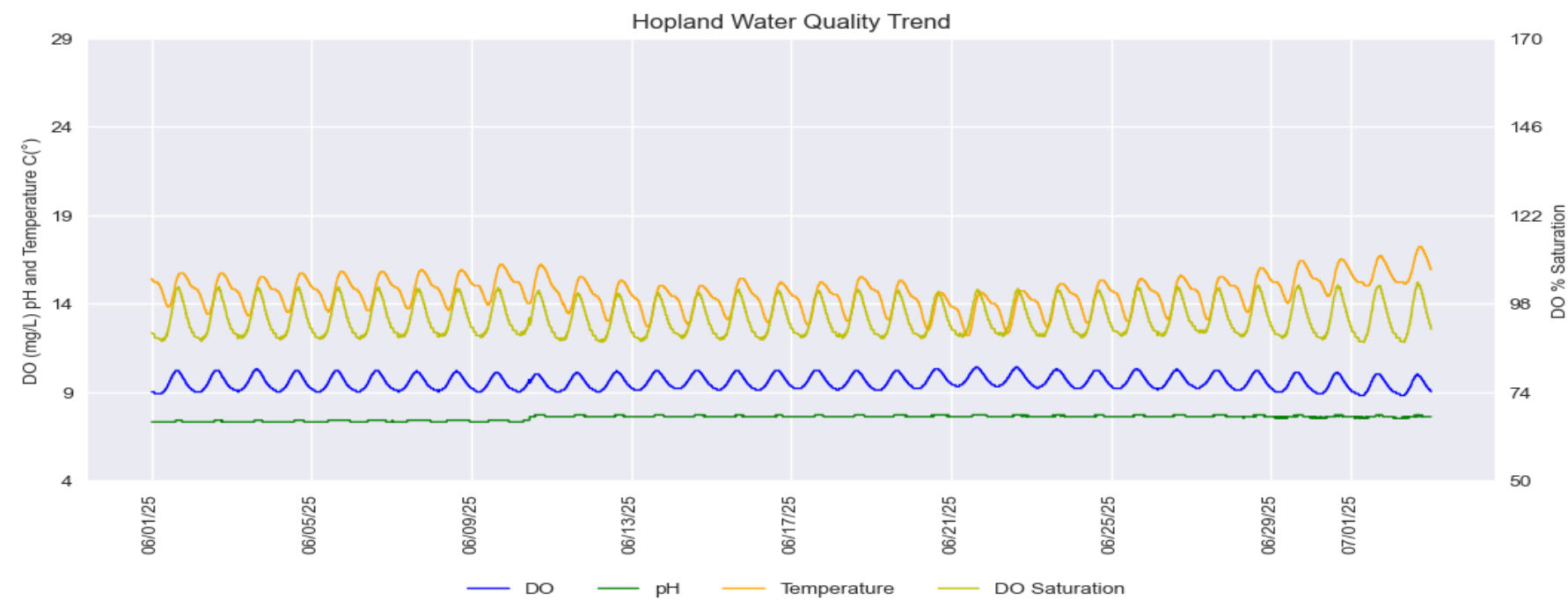


Russian River Water Quality June 1, 2025 – July 3, 2025  
Provisional Data Subject to Revision

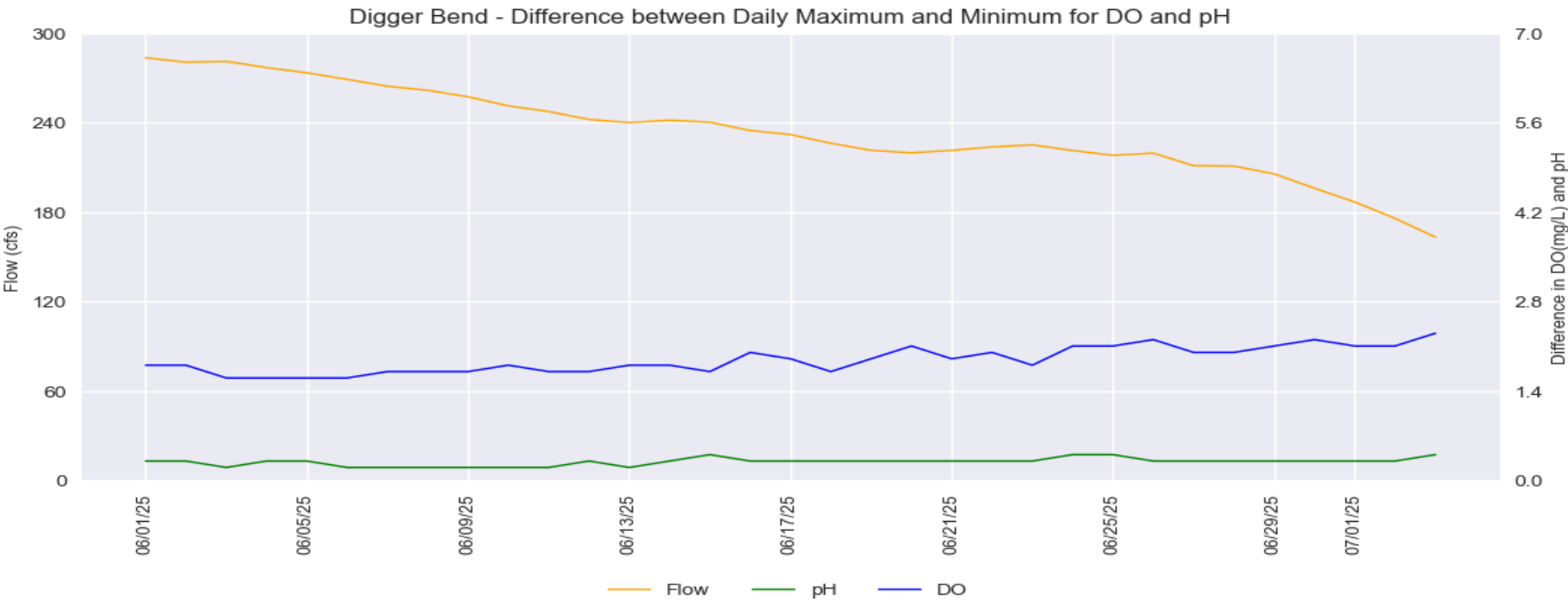
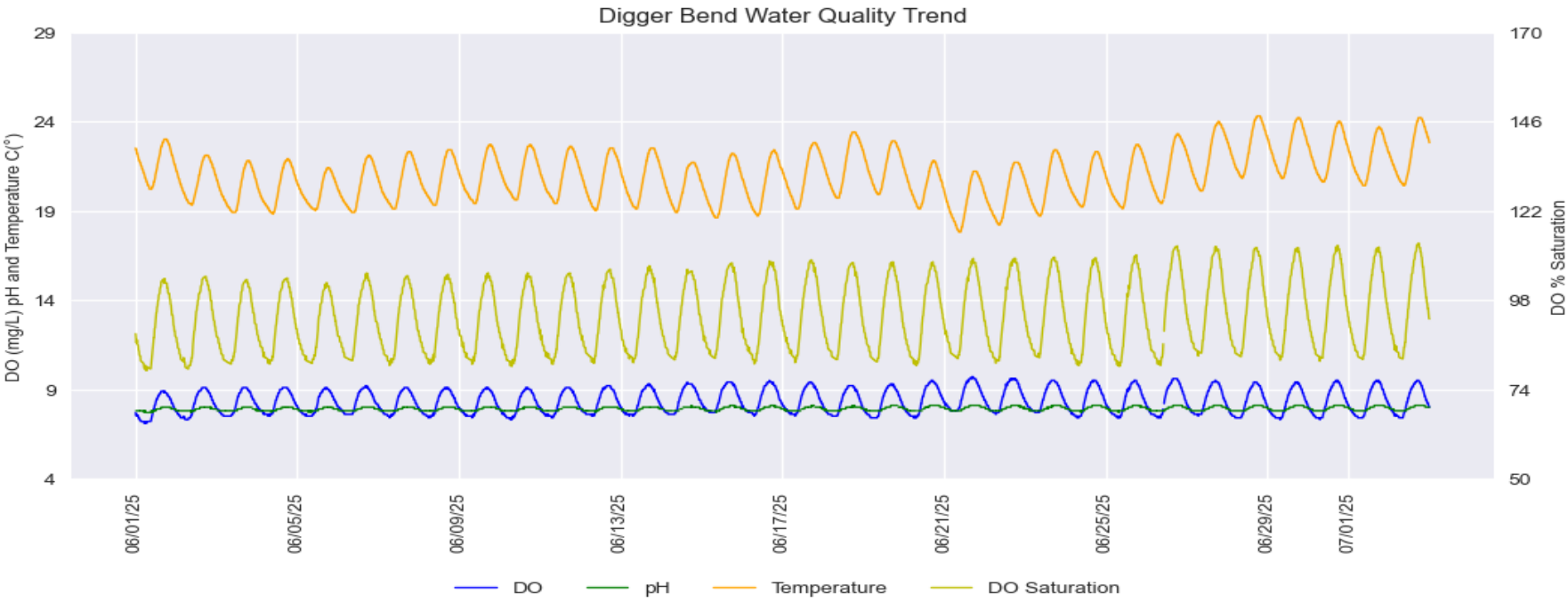
Calpella



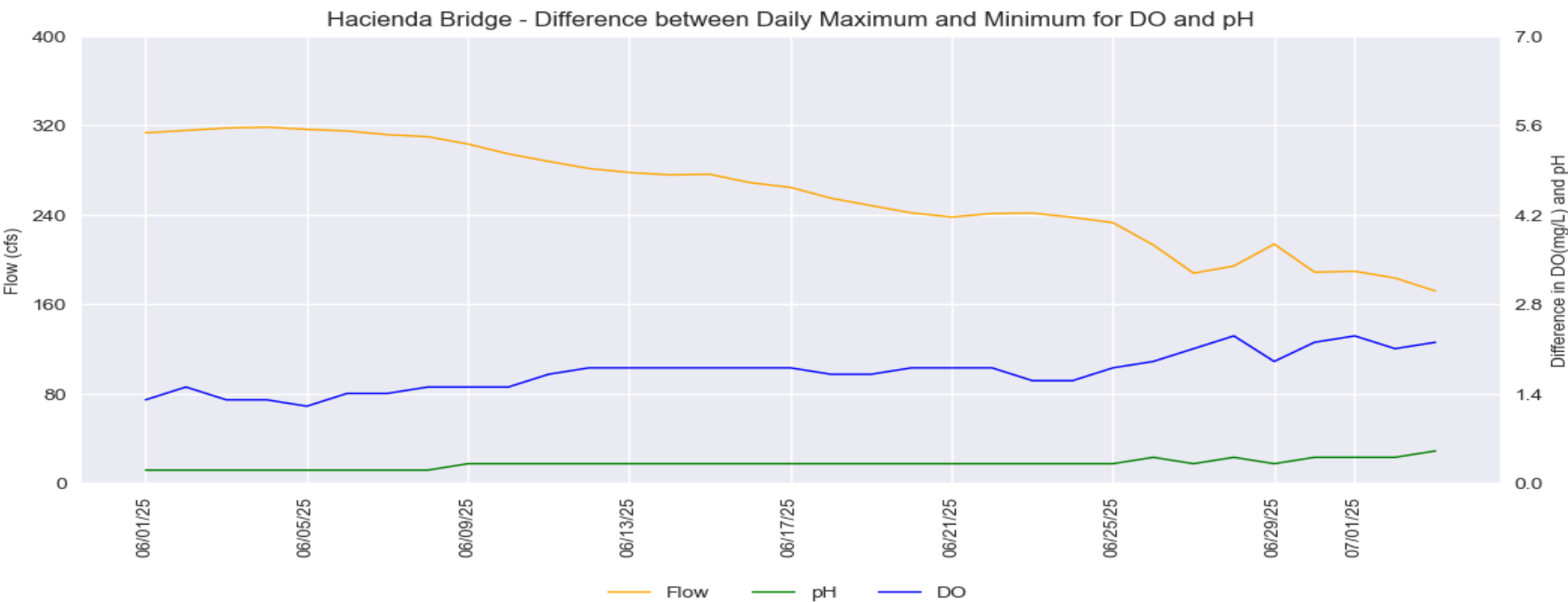
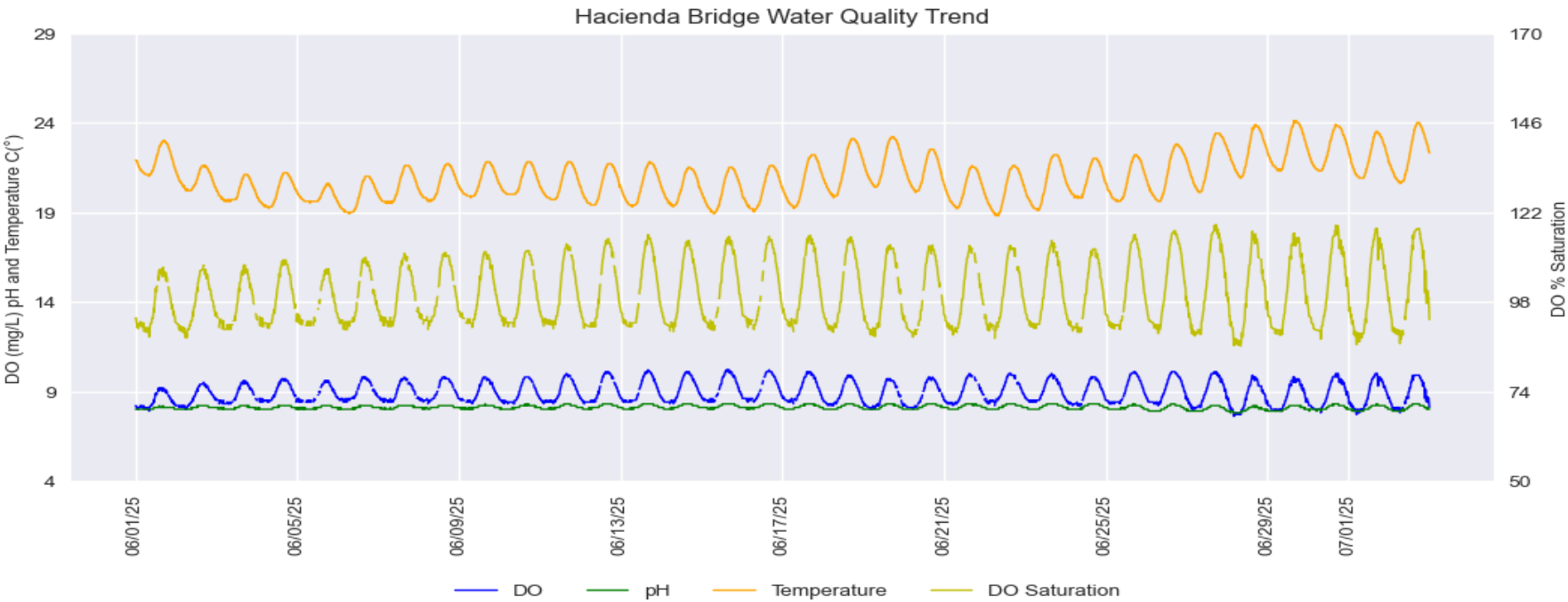
Hopland



Russian River Water Quality June 1, 2025 – July 3, 2025  
Provisional Data Subject to Revision  
**Digger Bend**

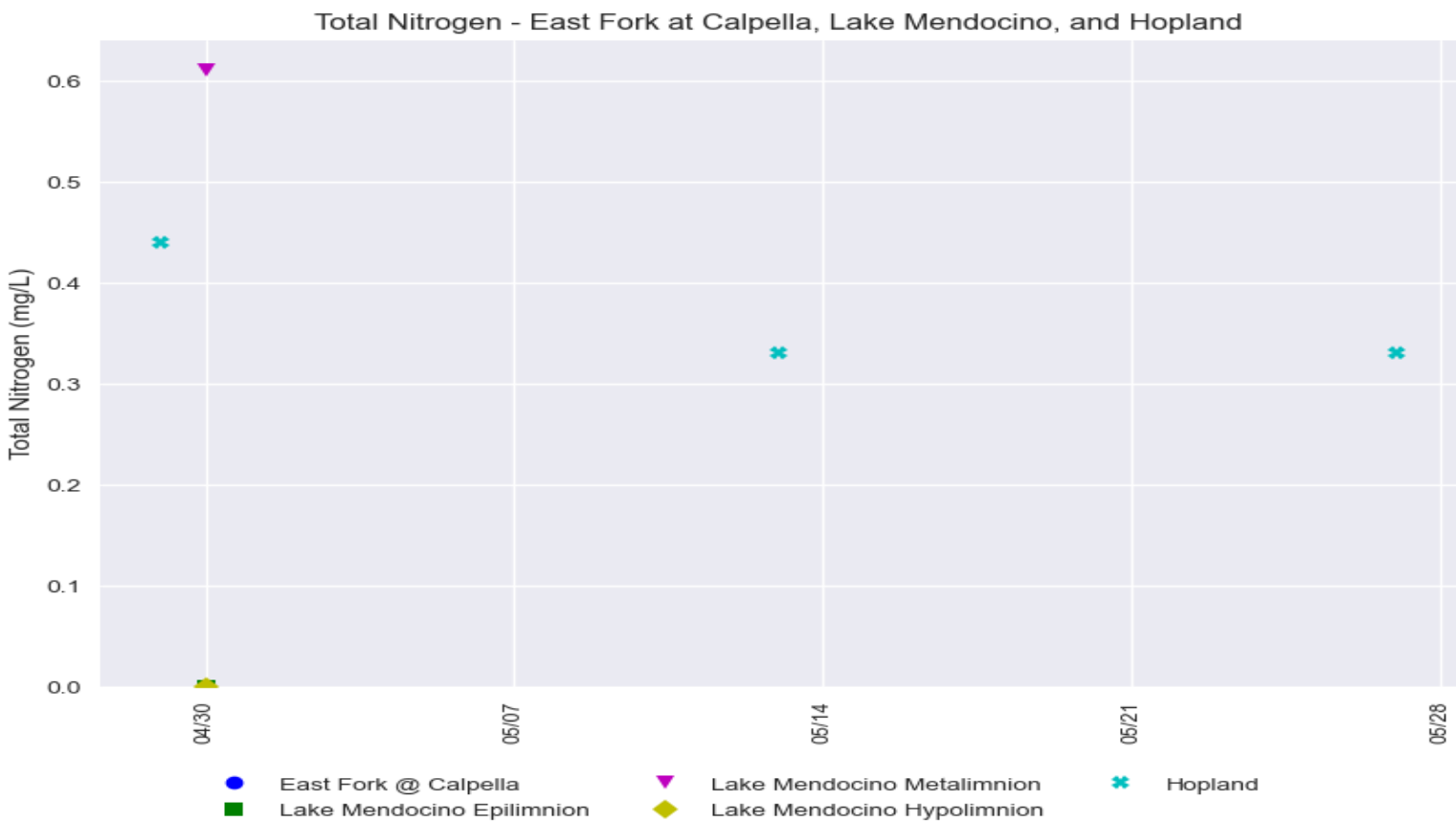
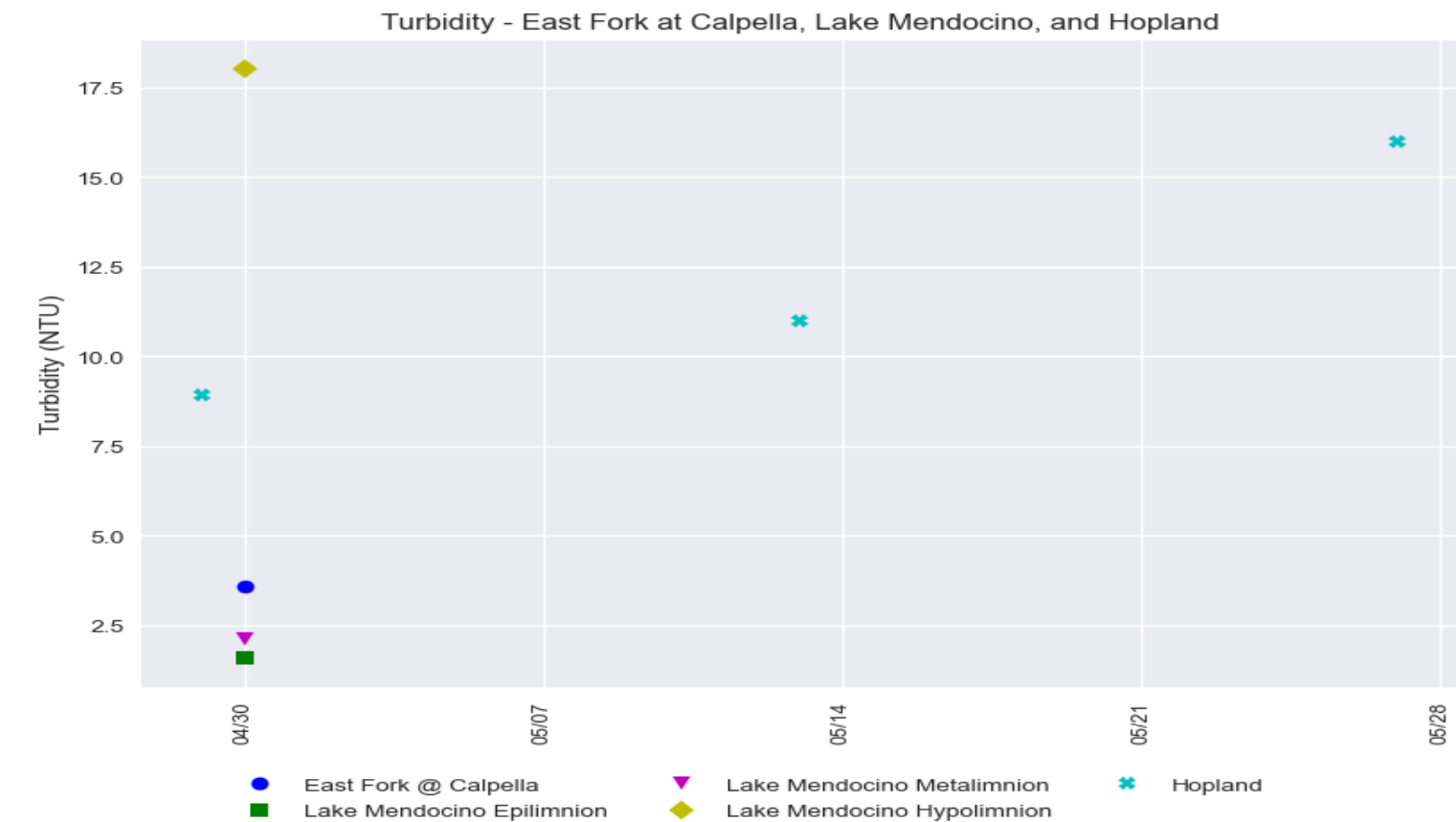
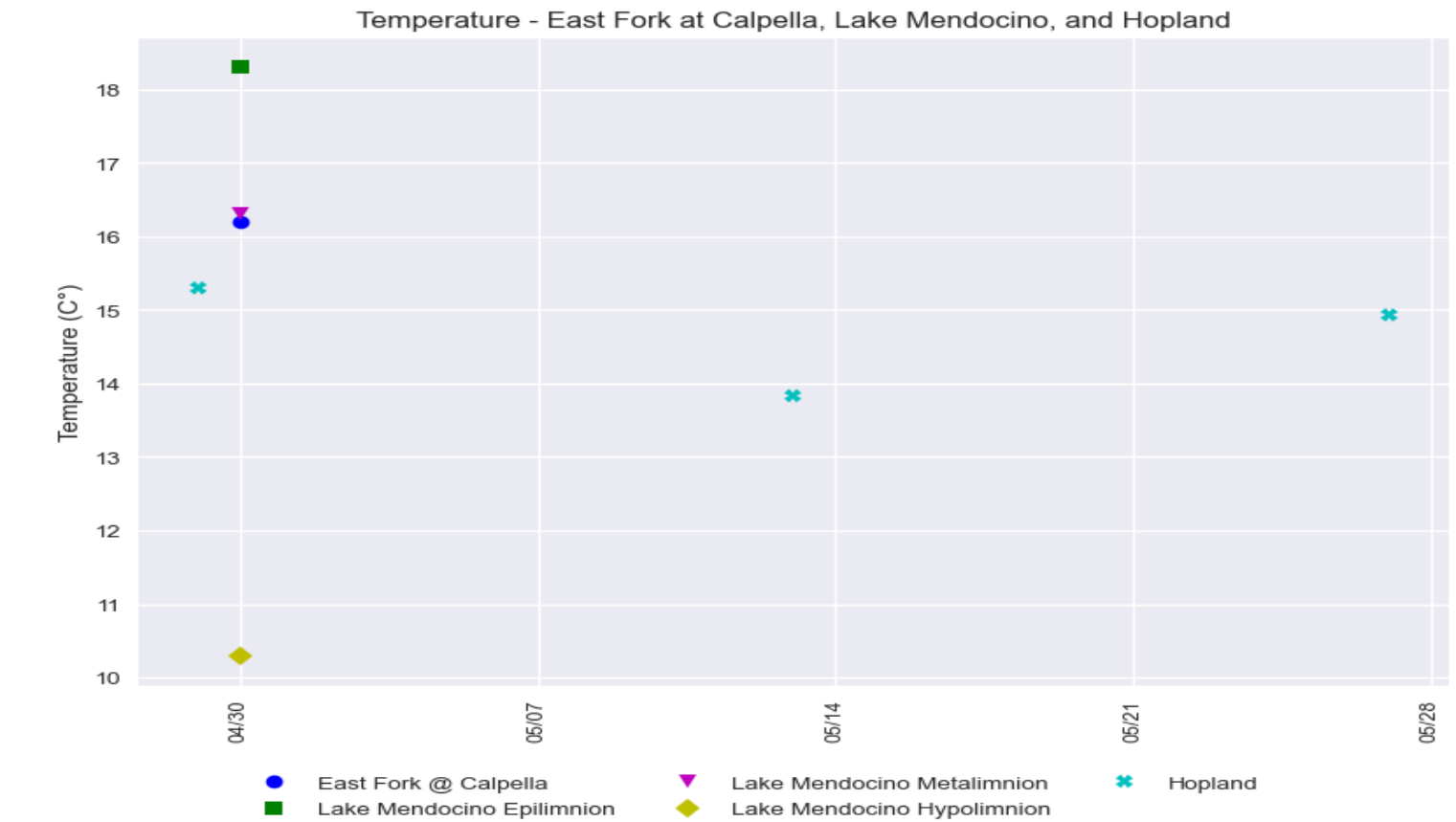


**Hacienda Bridge**



Russian River Water Quality Grab Samples

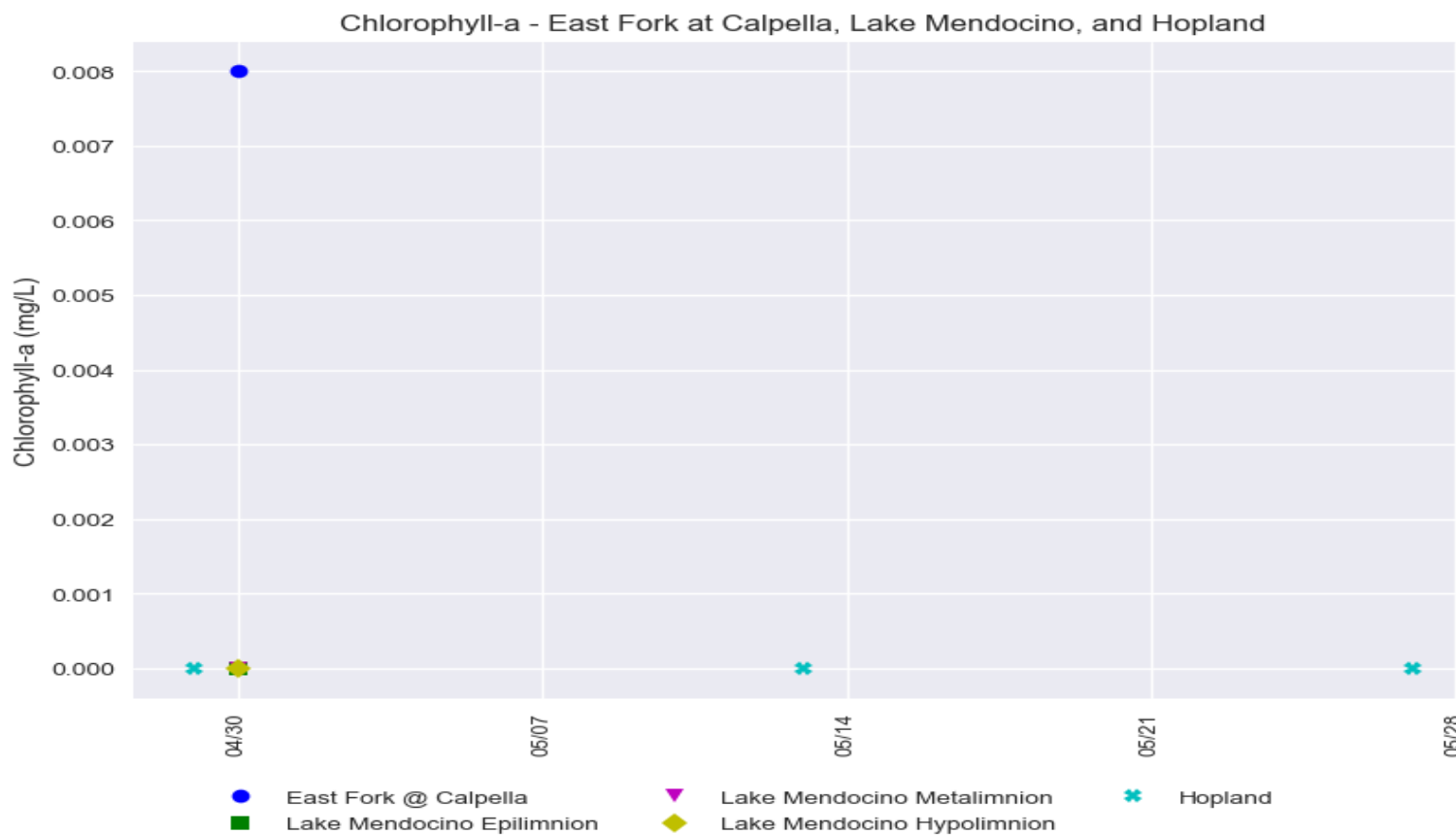
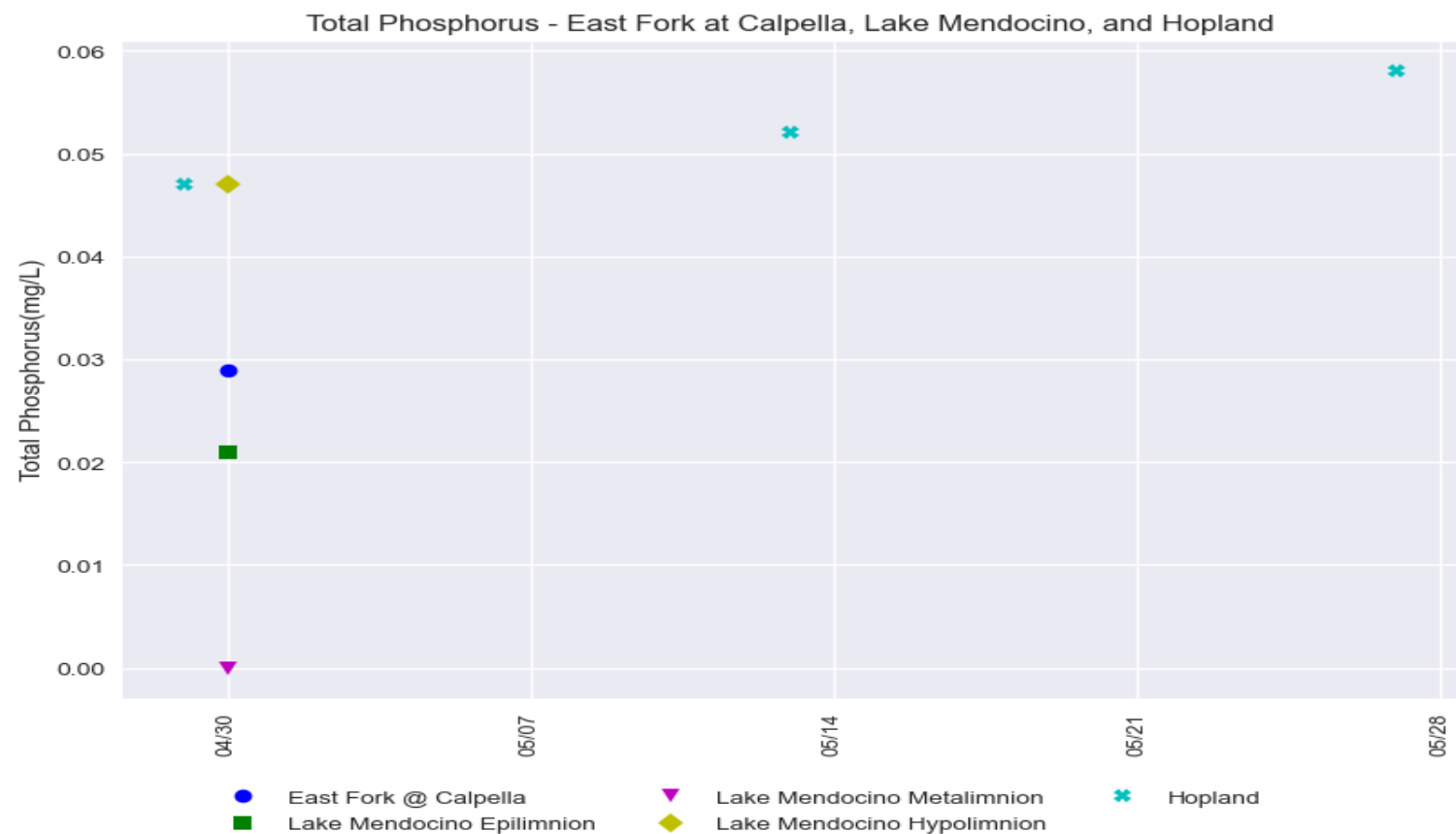
Provisional Data Subject to Revision





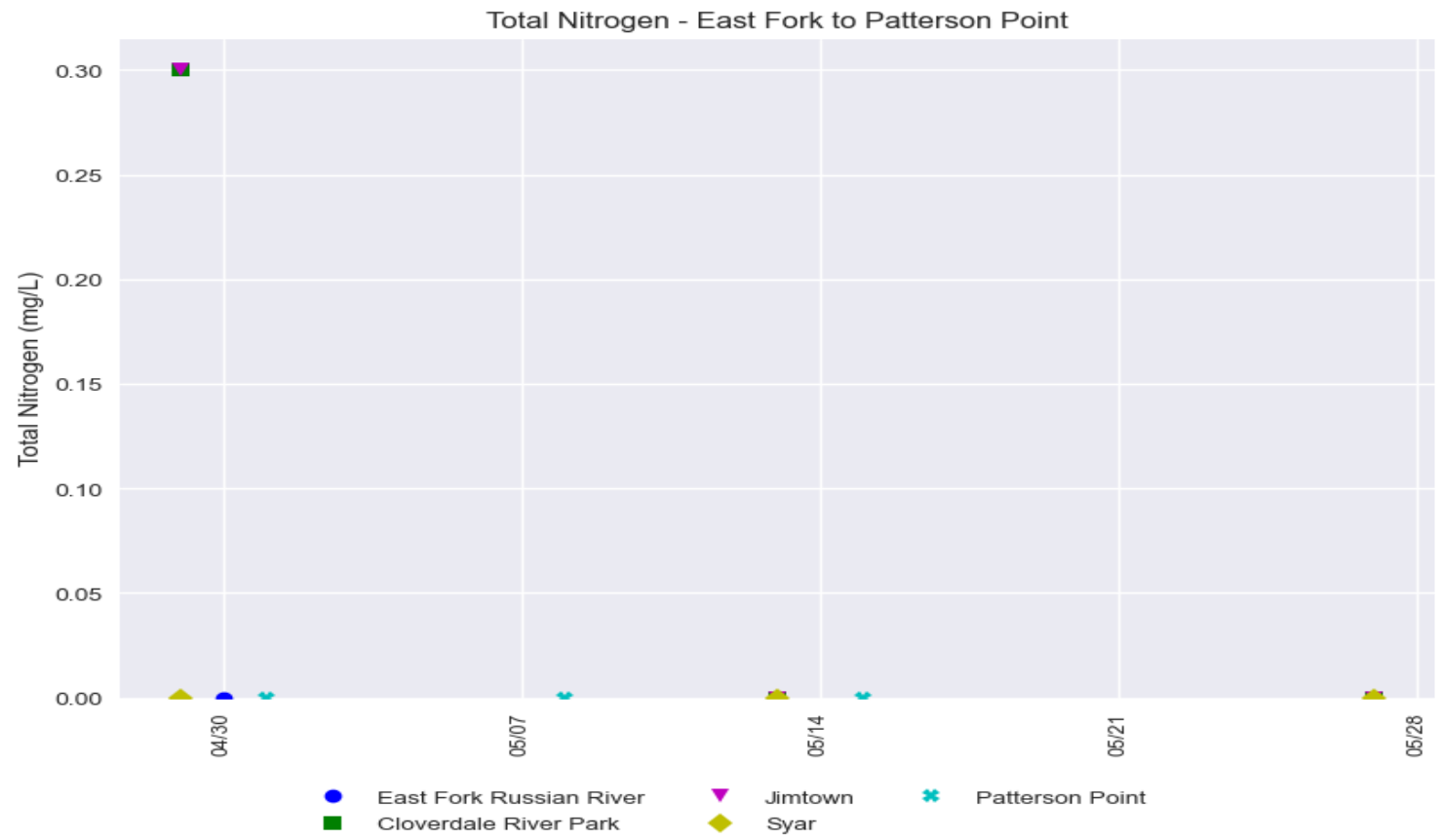
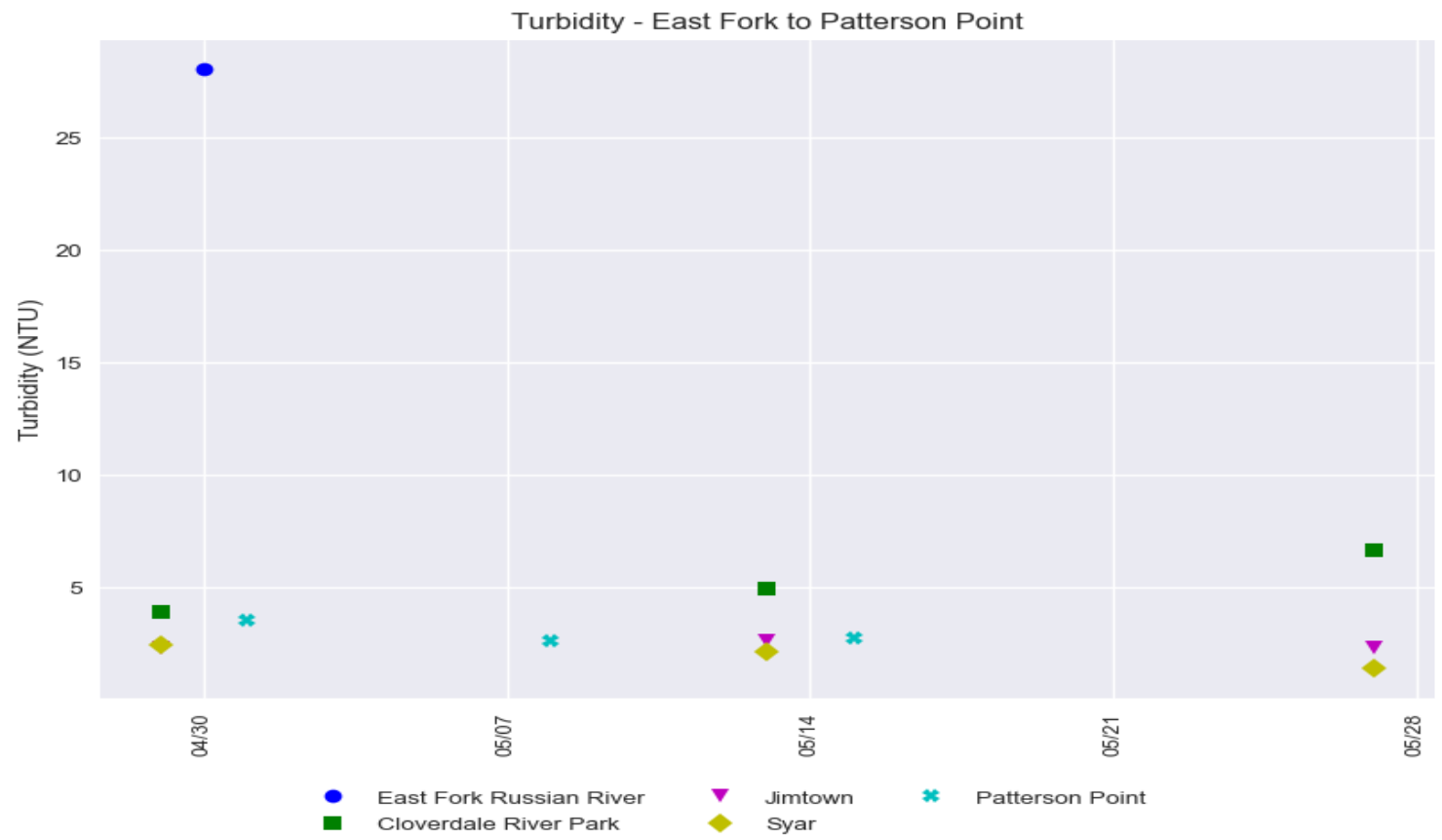
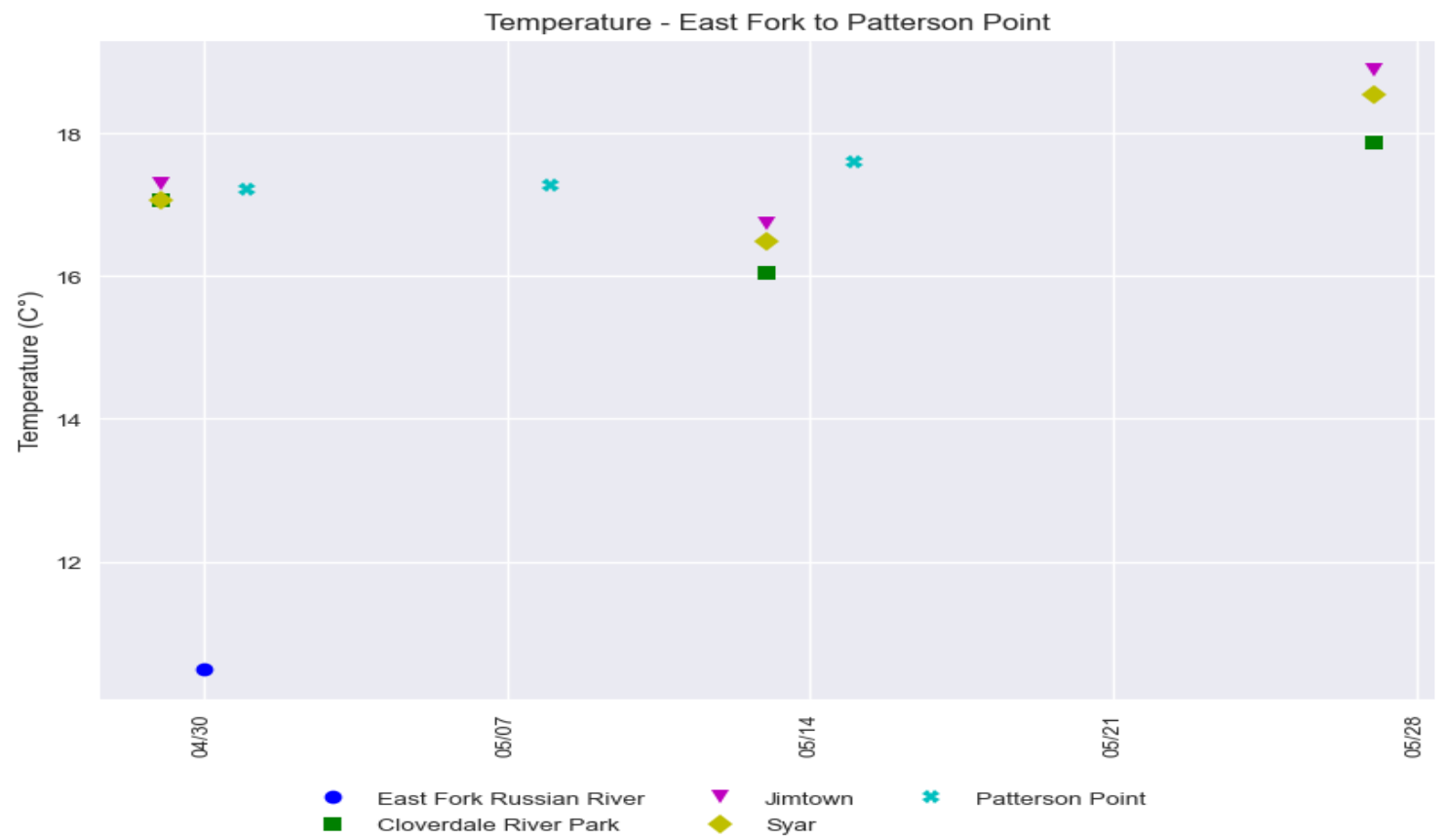
# Russian River Water Quality Grab Samples

Provisional Data Subject to Revision



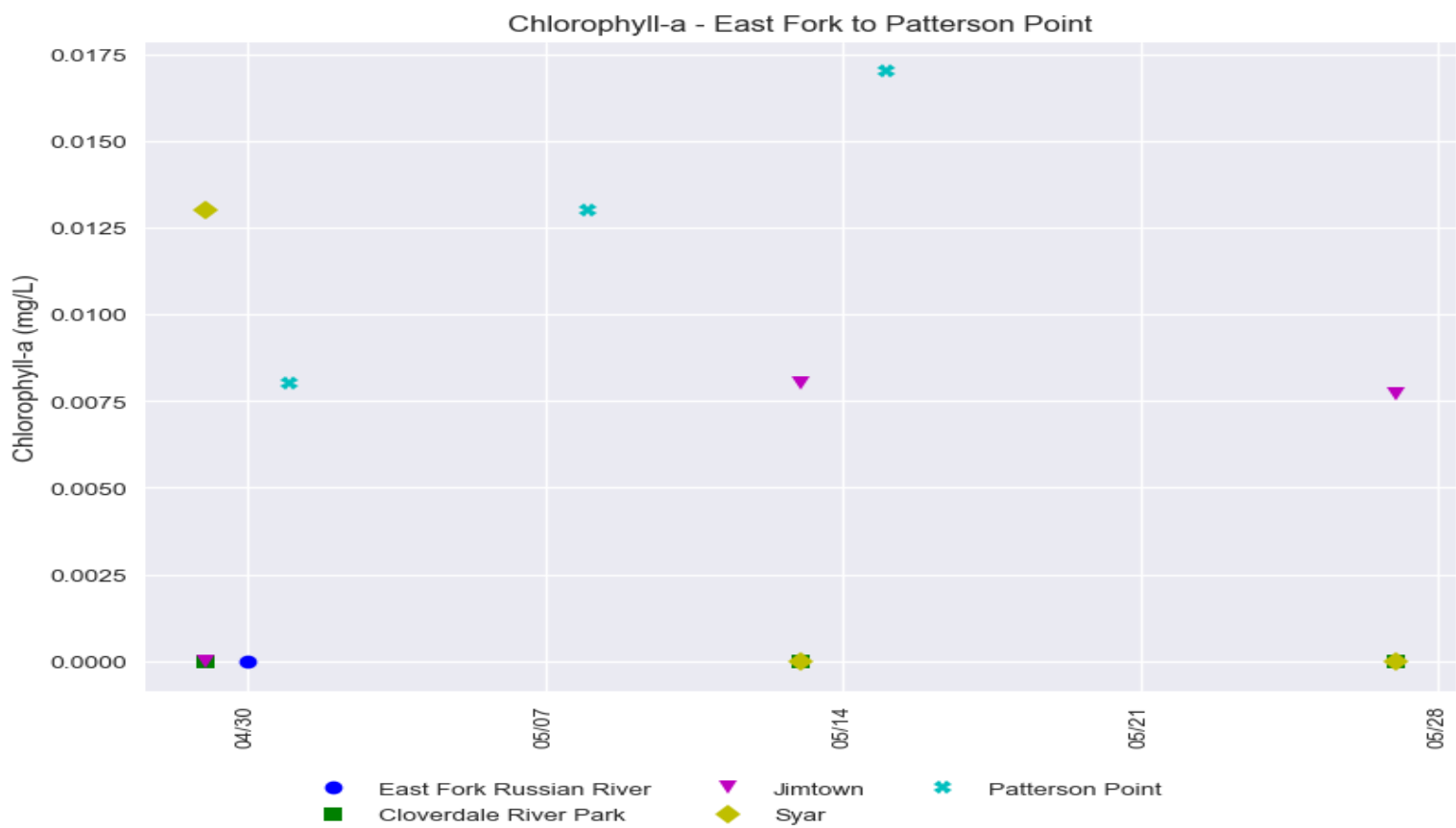
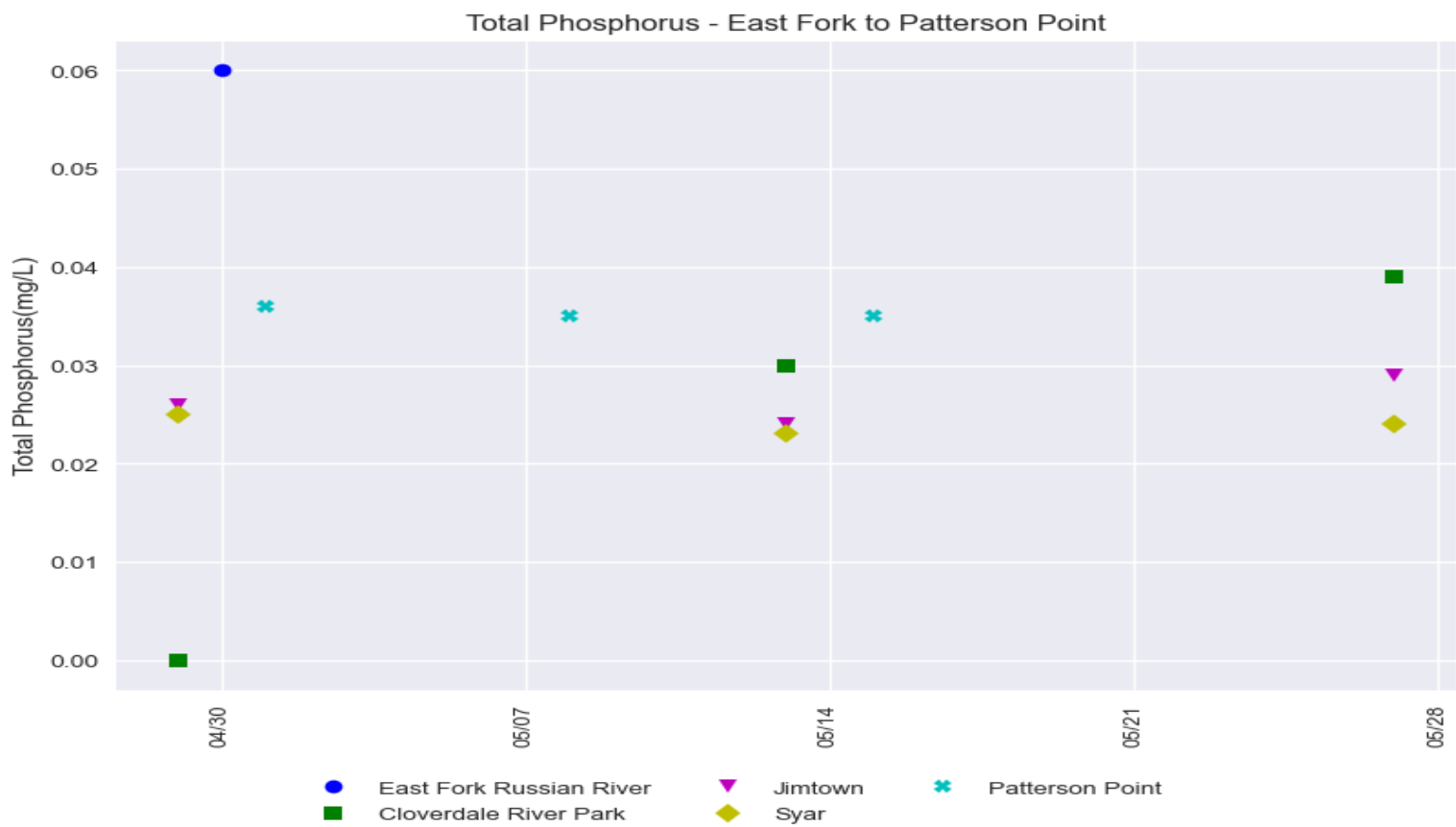
# Russian River Water Quality Grab Samples

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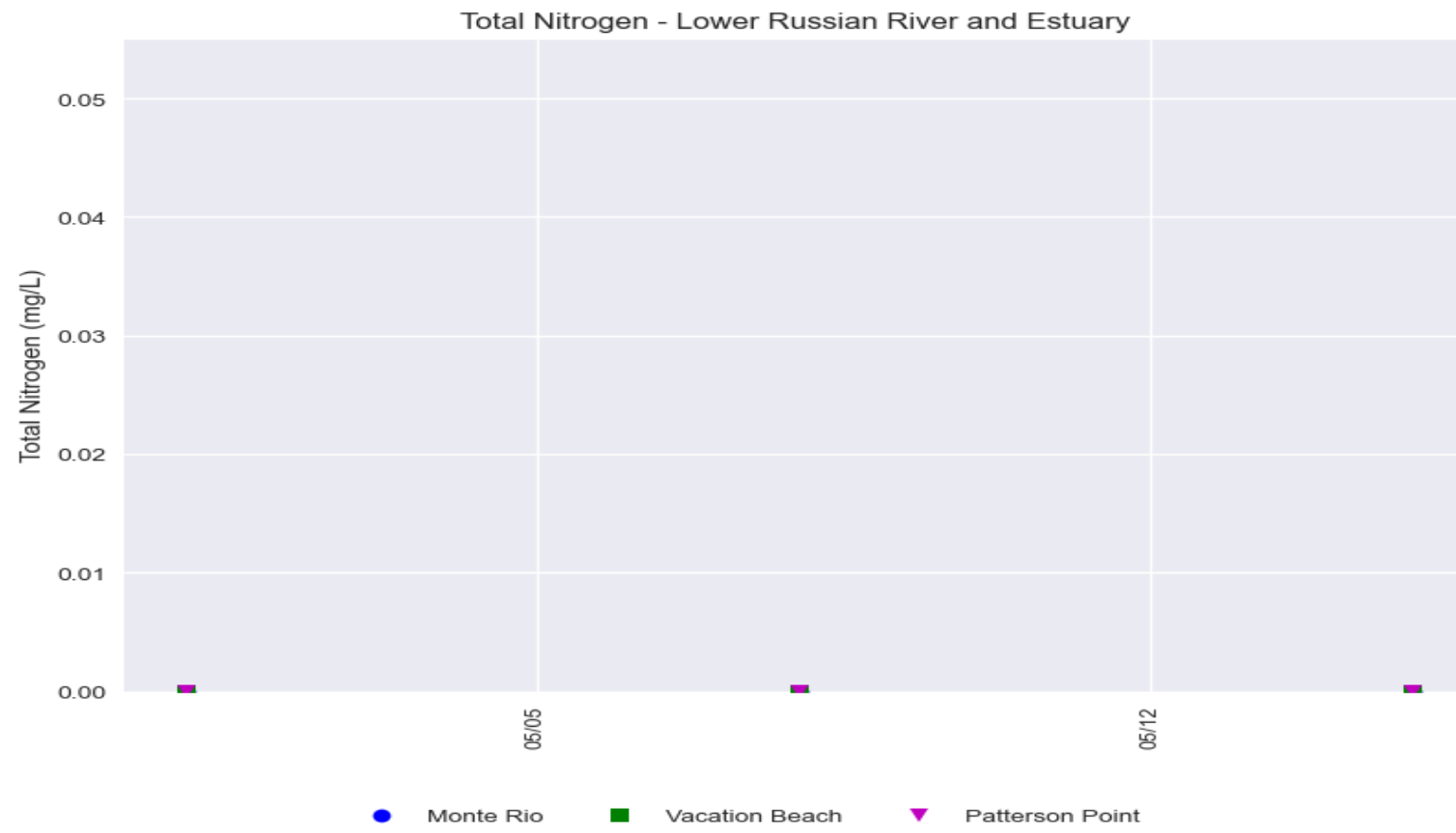
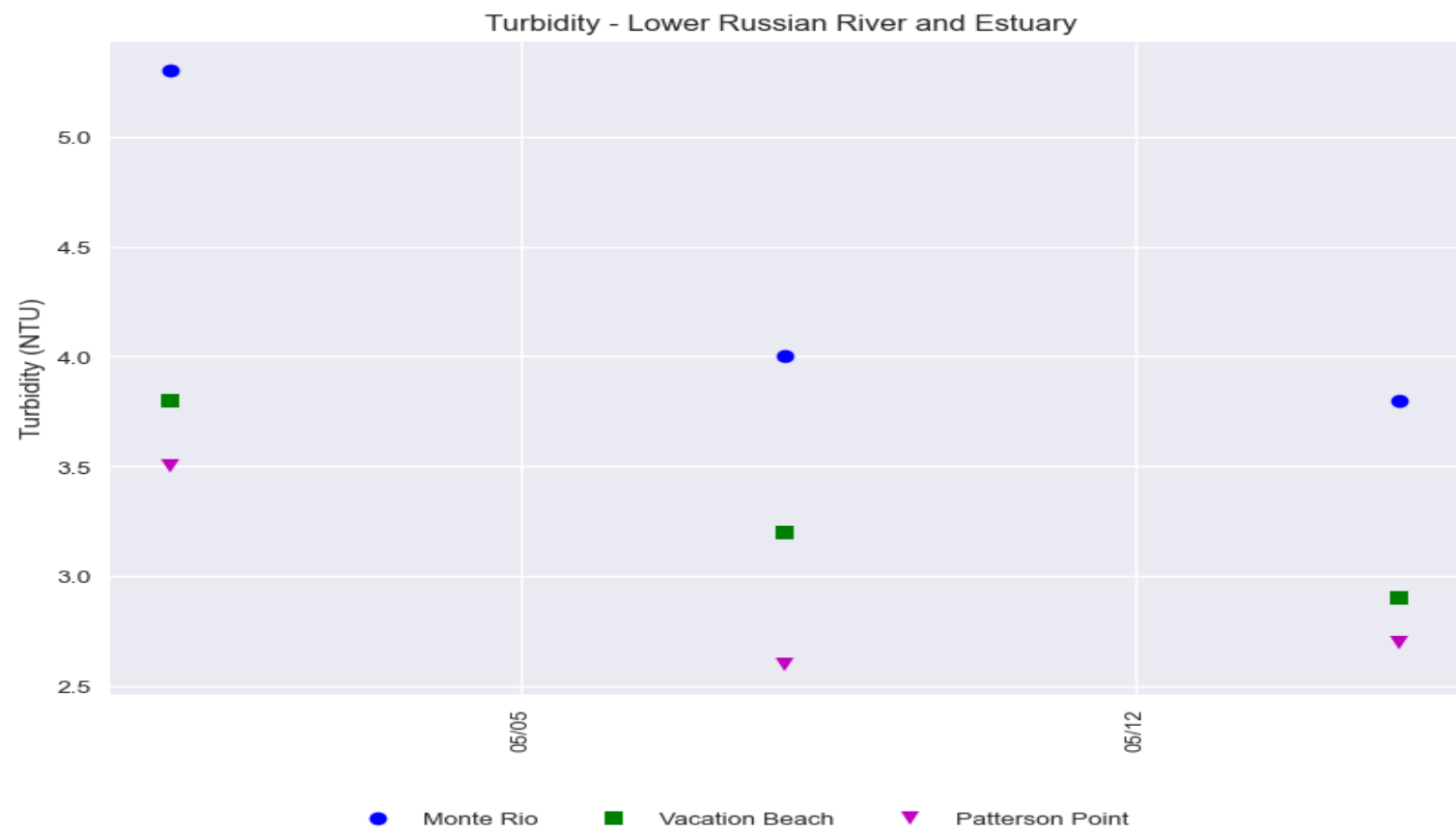
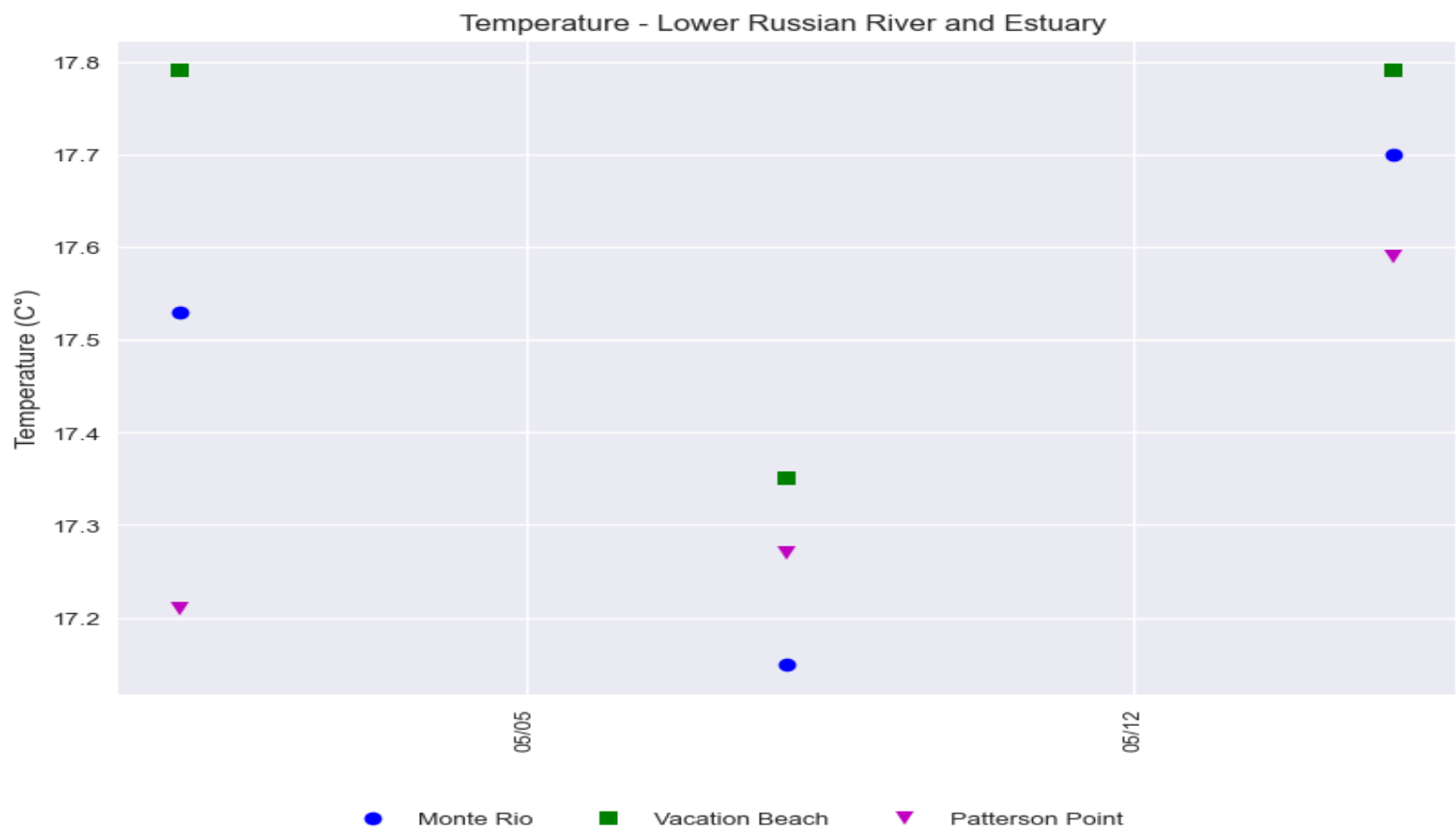
# Russian River Water Quality Grab Samples

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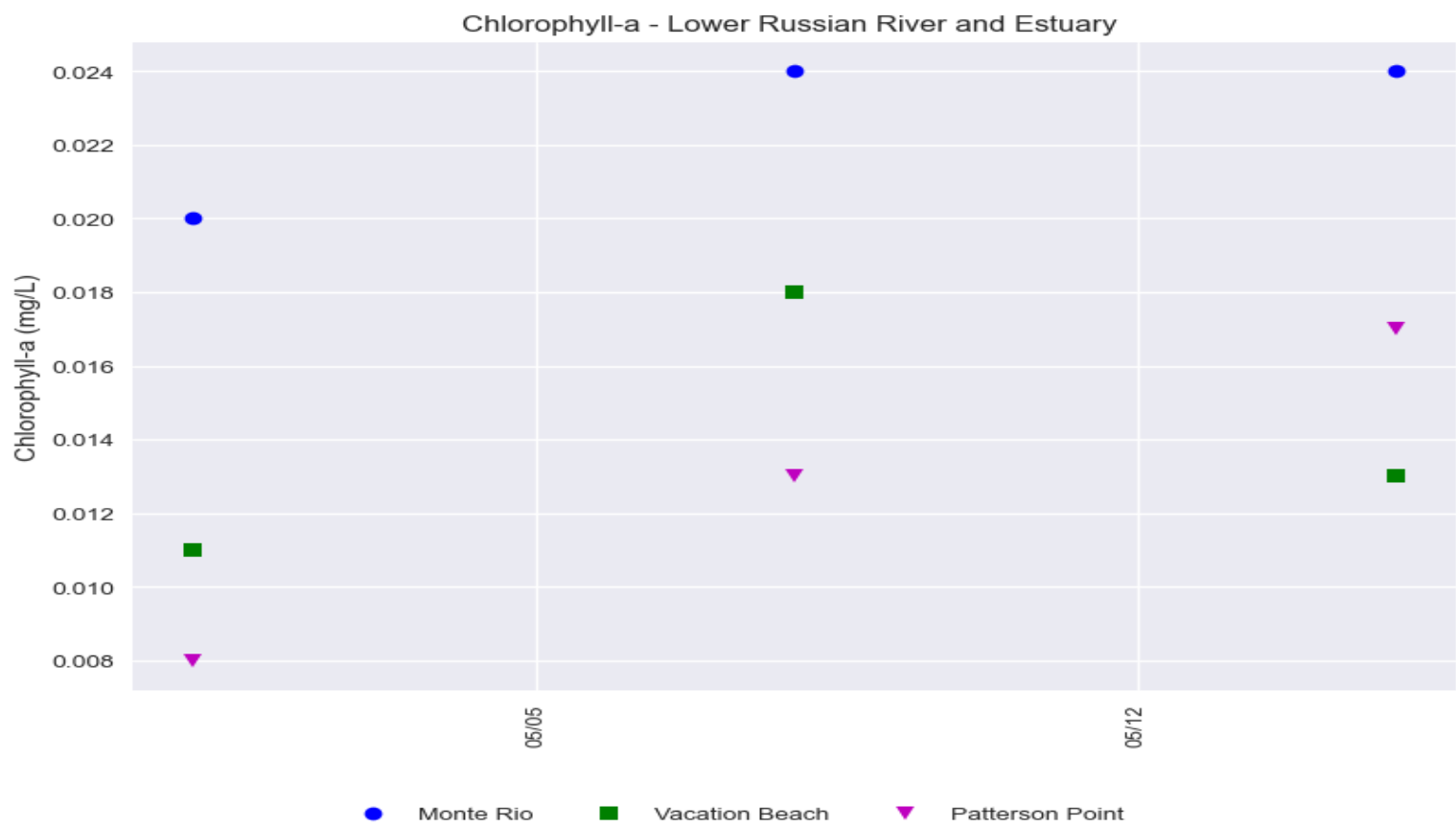
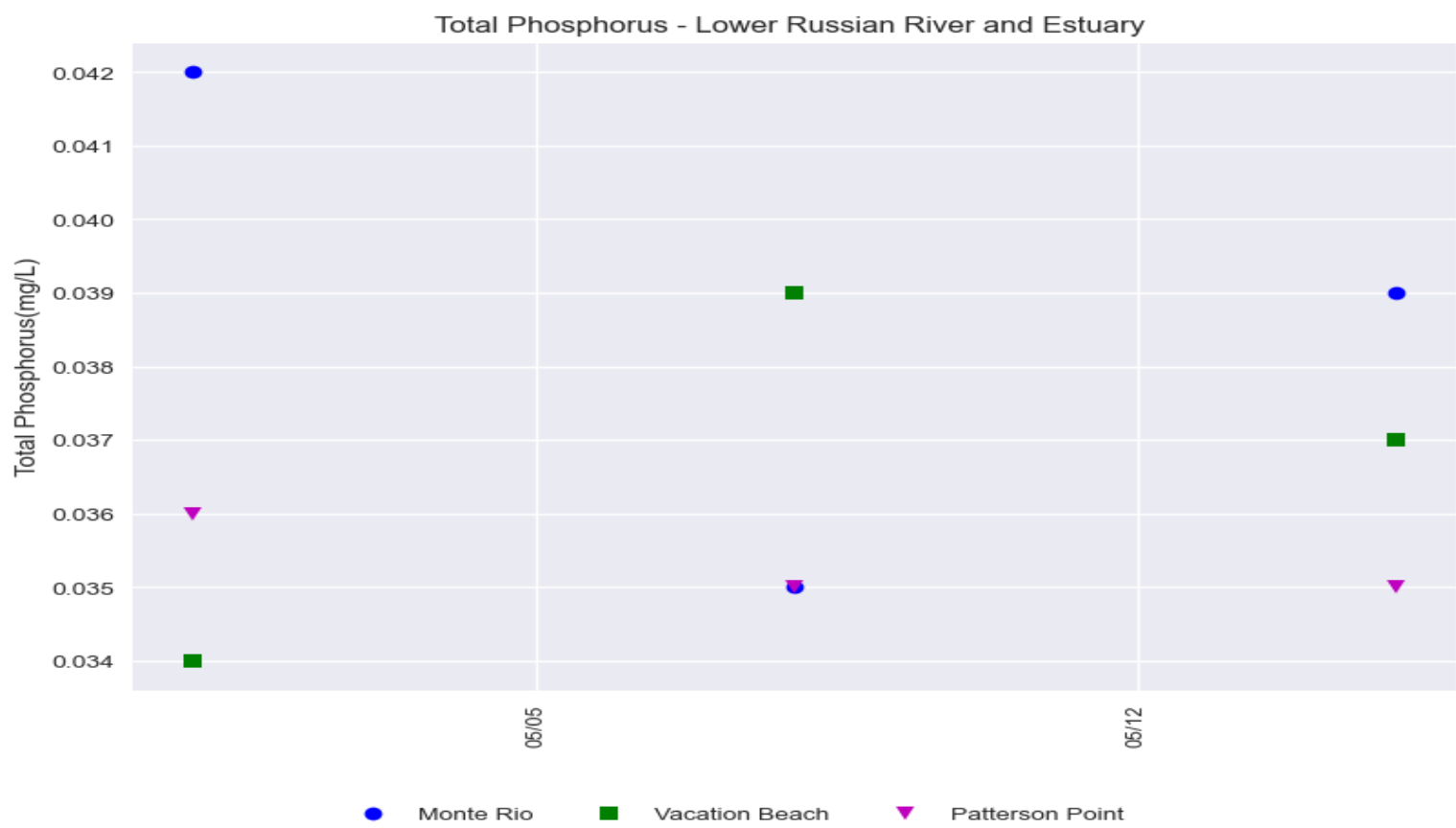
# Russian River Water Quality Grab Samples

Provisional Data Subject to Revision



# Russian River Water Quality Grab Samples

Provisional Data Subject to Revision





Russian River Water Quality Grab Samples (May 1 - June 5, 2025)  
Provisional Data Subject to Revision

Russian River Estuary Standard Bacterial Indicators

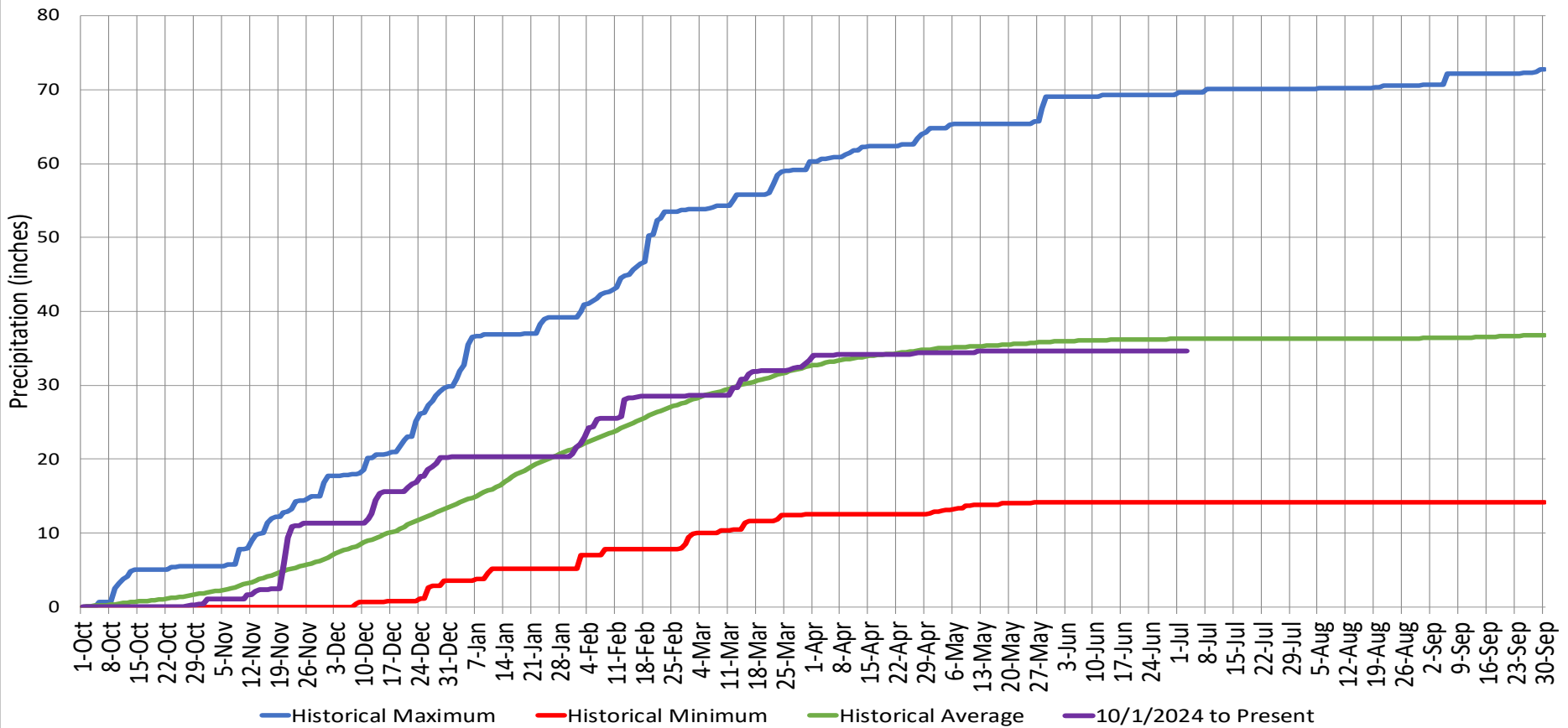
| Parameter***                   | CDPH Guidance* | Date      | Patterson Point | Monte Rio | Vacation Beach |
|--------------------------------|----------------|-----------|-----------------|-----------|----------------|
| Total Coliforms<br>MPN/100 mL  | 10,000         | 5/1/2025  | 4884**          | 5475**    | 2359**         |
|                                |                | 5/8/2025  | 344.8           | 435.2     | 613.1          |
|                                |                | 5/15/2025 | 613.1           | 686.7     | 648.8          |
|                                |                | 5/22/2025 | 1046.2          | 1119.9    | 1299.7         |
|                                |                | 5/29/2025 | 920.8           | 1046.2    | 1203.3         |
|                                |                | 6/5/2025  | 1553.1          | 1732.9    | 1986.3         |
|                                |                |           |                 |           |                |
|                                |                |           |                 |           |                |
| E. Coli<br>MPN/100 mL          | 235            | 5/1/2025  | 13.4            | 18.7      | 5.2            |
|                                |                | 5/8/2025  | 6.3             | 13.4      | 4.1            |
|                                |                | 5/15/2025 | 15.6            | 8.5       | 5.2            |
|                                |                | 5/22/2025 | 2               | 6.3       | 8.4            |
|                                |                | 5/29/2025 | 9.8             | 48.7      | 14.6           |
|                                |                | 6/5/2025  | 17.5            | 20.1      | 45.7           |
|                                |                |           |                 |           |                |
|                                |                |           |                 |           |                |
| Enterococcus<br>MPN/100 mL**** | 61             | 5/1/2025  | 8.5             | 1         | 5.2            |
|                                |                | 5/8/2025  | 5.2             | 5.1       | 1              |
|                                |                | 5/15/2025 | 14.6            | 12.1      | 2              |
|                                |                | 5/22/2025 | 10.8            | 11        | 4.1            |
|                                |                | 5/29/2025 | 60.2            | 14.8      | 4.1            |
|                                |                | 6/5/2025  | 15.8            | 7.4       | 14.4           |
|                                |                |           |                 |           |                |
|                                |                |           |                 |           |                |

\*California Department of Public Health (CDPH) Guidance for Fresh Water Beaches - Single Sample Values:  
Freshwater beaches include Patterson Point, Monte Rio, and Vacation Beach  
Beach posting is recommended when indicator organisms exceed any of the above corresponding levels  
\*\*Sample diluted 1:10  
\*\*\*Method Detection Limit for all parameters = 2 MPN/100 mL or 20 MPN/100 mL if sample diluted  
\*\*\*\*We continue to collect enterococcus data, however it is not a reliable fecal indicator bacteria in freshwater

Precipitation

|                                                    |                     |
|----------------------------------------------------|---------------------|
| Ukiah Municipal Airport (WBAN: 72590523275 (KUKI)) |                     |
| Date Range                                         | Cumulative (inches) |
| Oct 1, 2024 - Jul 3, 2025                          | 34.61               |
| Last 7 Days*                                       | 0.00                |

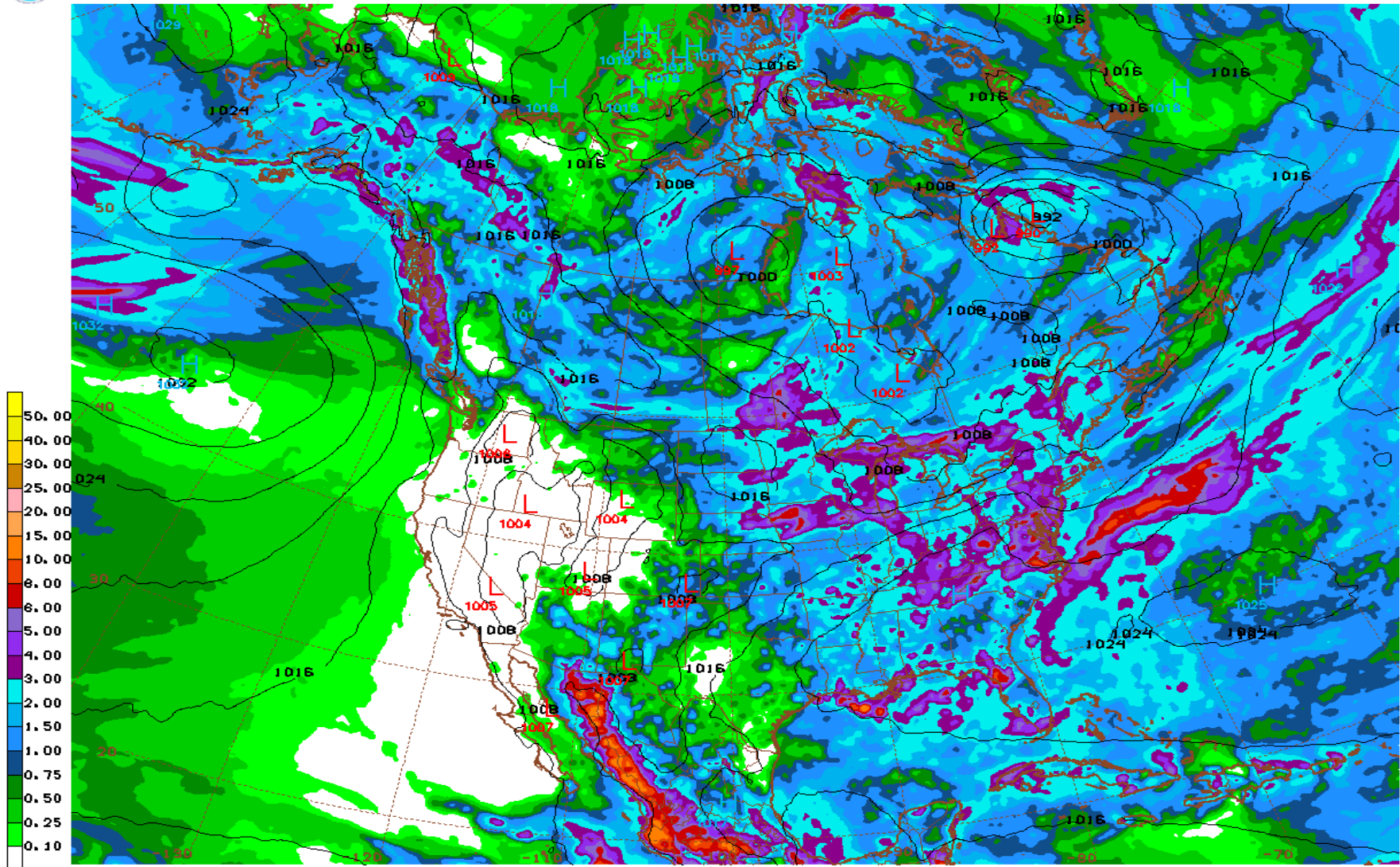
Cumulative Precipitation Comparison of Current Year versus Historic Record



Global Forecast System Model 16-day Cumulative Precipitation Forecast



6FS 07/07/25 12UTC 384HR FCST VALID MED 07/23/25 12UTC NOAA/NWS/NCEP



6FS MED 250723/1200V384 EMSL (4MB) 384HR ACCUMULATED PRECIP (IN)

|                      |                                |
|----------------------|--------------------------------|
| Date Range           | Forecasted Cumulative (inches) |
| Jul 7 - Jul 23, 2025 | 0.00                           |