



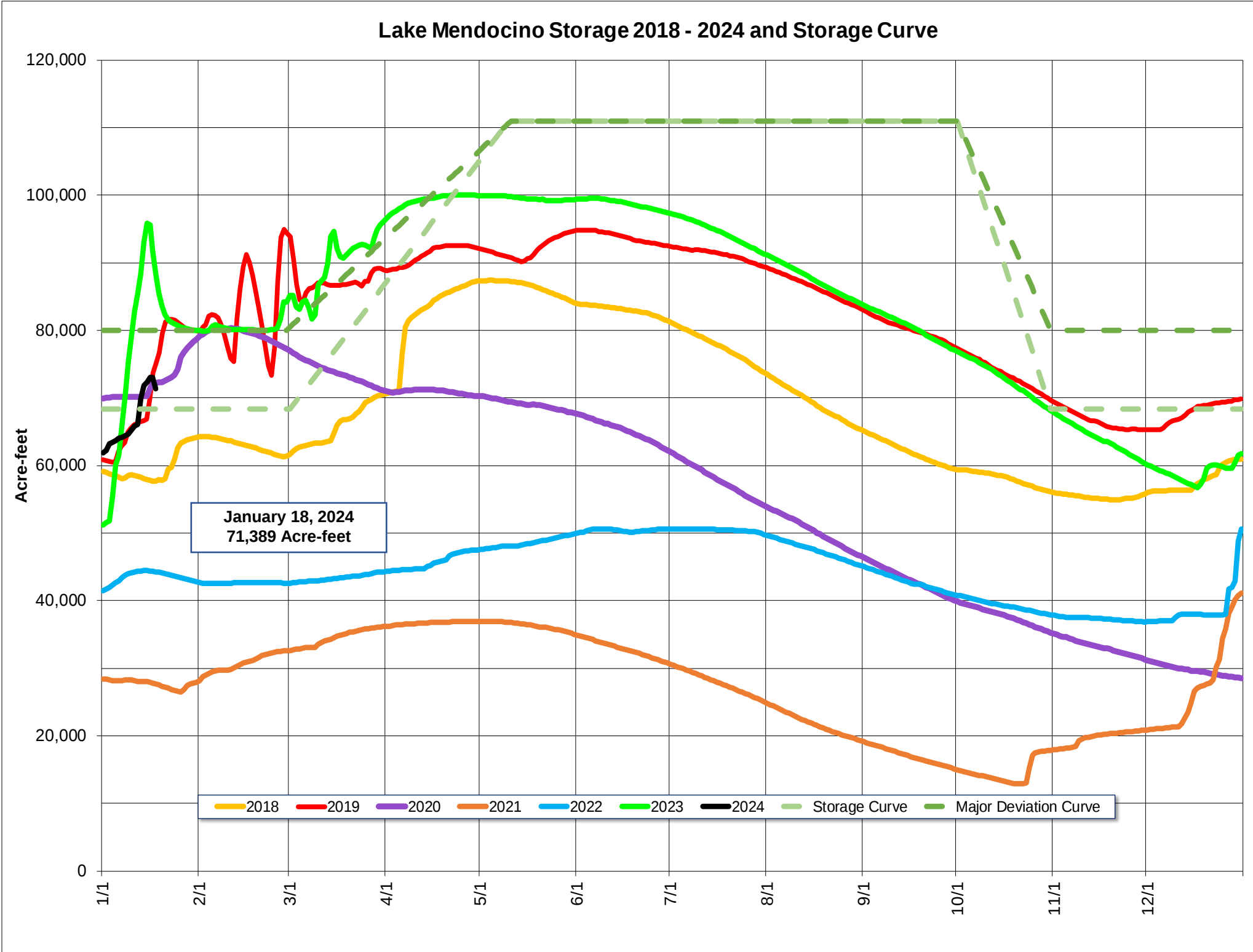
Sonoma  
Water

State Water Resources Control Board  
Temporary Urgency Change Order (12/27/2023)  
Russian River Hydrologic & Water Quality Report  
January 12, 2024 - January 18, 2024

Prepared as a requirement of the Order 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 January 18, 2024 |                     |                     |                     |
|---------------------------------------------------|---------------------|---------------------|---------------------|
| Basis                                             | Reach               | Instantaneous (cfs) | 5-day Average (cfs) |
| Modified Per Order: Dry Condition                 | Upper Russian River | 75                  | -                   |
| Modified Per Order: Dry Condition                 | Dry Creek           | 75                  | -                   |
| Modified Per Order: Dry Condition                 | Lower Russian River | 85                  | -                   |

Lake Mendocino

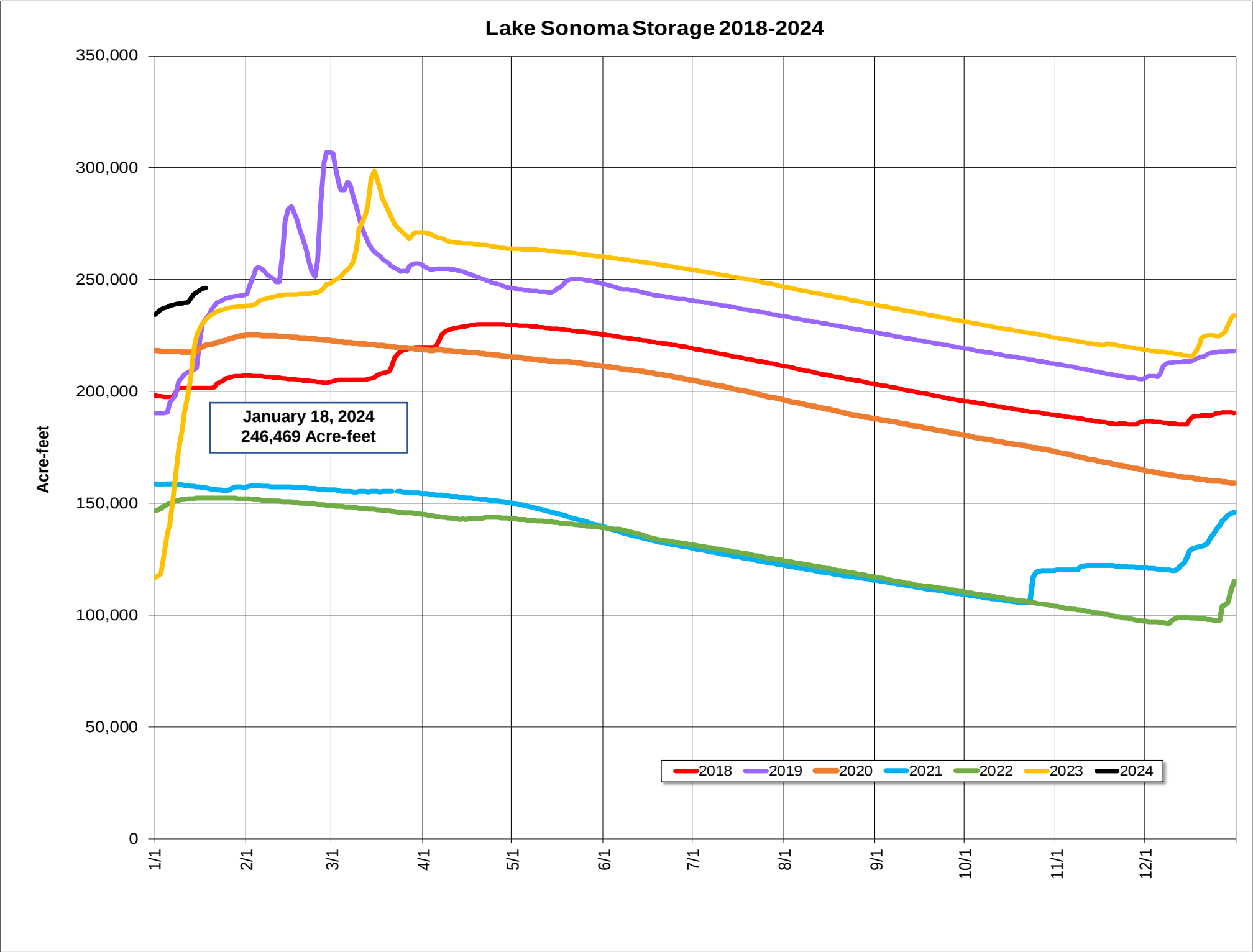


| Storage (acre-feet)           | January 18, 2024 | 71,389 |                    |
|-------------------------------|------------------|--------|--------------------|
|                               |                  | Total  | Average Daily Rate |
| Change in Storage (acre-feet) | Last 30 days     | 13,404 | 447                |
|                               | Last 7 days      | 5,300  | 757                |
| Daily Inflow (cfs)            | Last 7 days      | Min    | 44                 |
|                               |                  | Max    | 1,979              |
|                               |                  | Mean   | 642                |
| Release (cfs)                 | Last 7 days      | Min    | 34                 |
|                               |                  | Max    | 893                |
|                               |                  | Mean   | 238                |

Lake Sonoma



Nathan Baskett, March 3 , 2011



|                               |                  |         |                    |
|-------------------------------|------------------|---------|--------------------|
| Storage (acre-feet)           | January 18, 2024 | 246,469 |                    |
|                               |                  | Total   | Average Daily Rate |
| Change in Storage (acre-feet) | Last 30 days     | 25,984  | 866                |
|                               | Last 7 days      | 6,796   | 971                |
| Daily Inflow (cfs)            | Last 7 days      | Min     | 136                |
|                               |                  | Max     | 1,041              |
|                               |                  | Mean    | 580                |
| Release (cfs)                 | Last 7 days      | Min     | 80                 |
|                               |                  | Max     | 82                 |
|                               |                  | Mean    | 81                 |

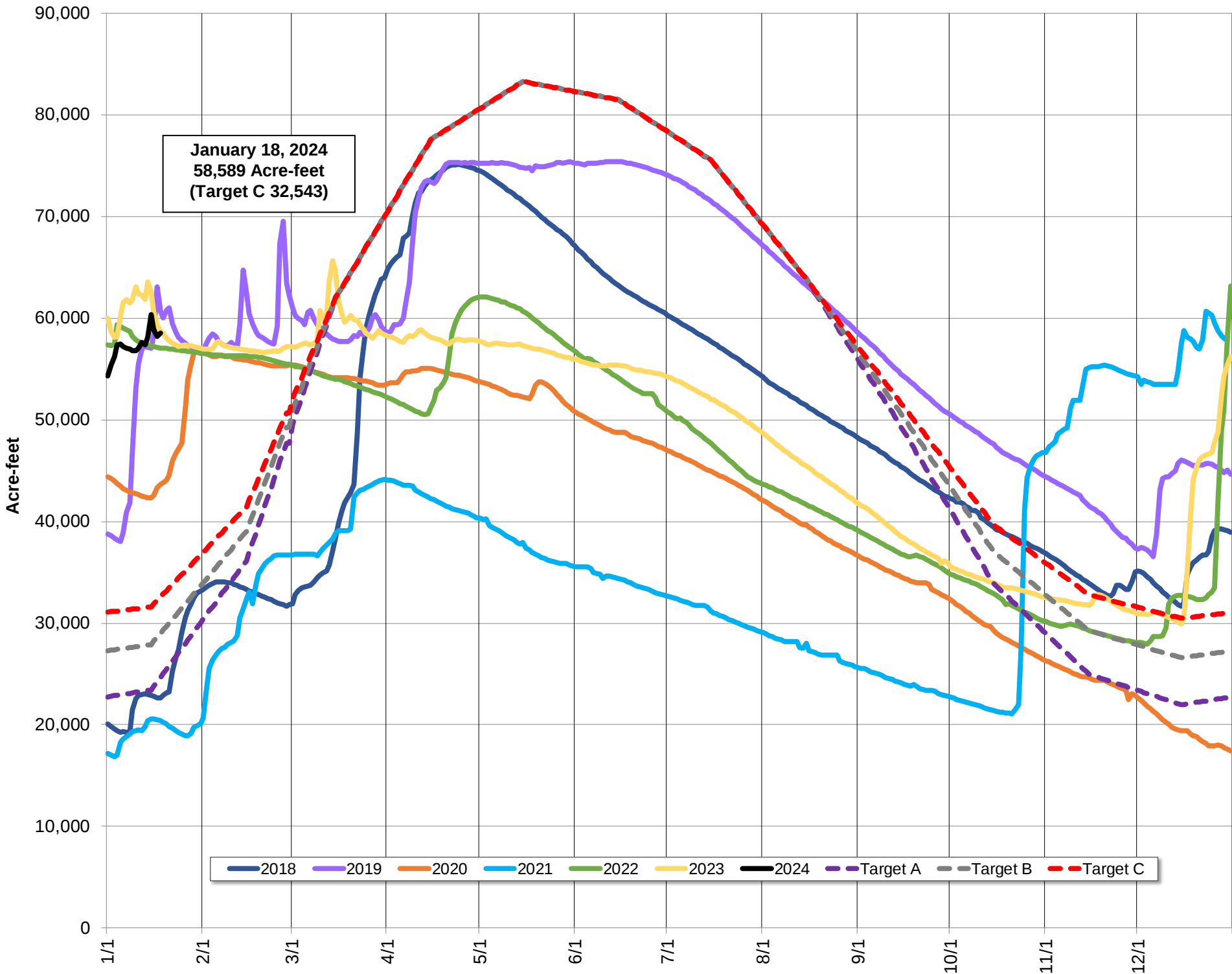
Potter Valley Project

|                        |                  |    |
|------------------------|------------------|----|
| PVP Diversion<br>(cfs) | January 18, 2024 | 46 |
|------------------------|------------------|----|

| Parameter              | Date Range                         | Cumulative | Daily Average |
|------------------------|------------------------------------|------------|---------------|
| Inflow*<br>(acre-feet) | October 1, 2023 - January 18, 2024 | 56,152     | 510           |
|                        | Last 7 days                        | 7,559      | 1,080         |

\*Inflow calculation based on criteria established in D1610

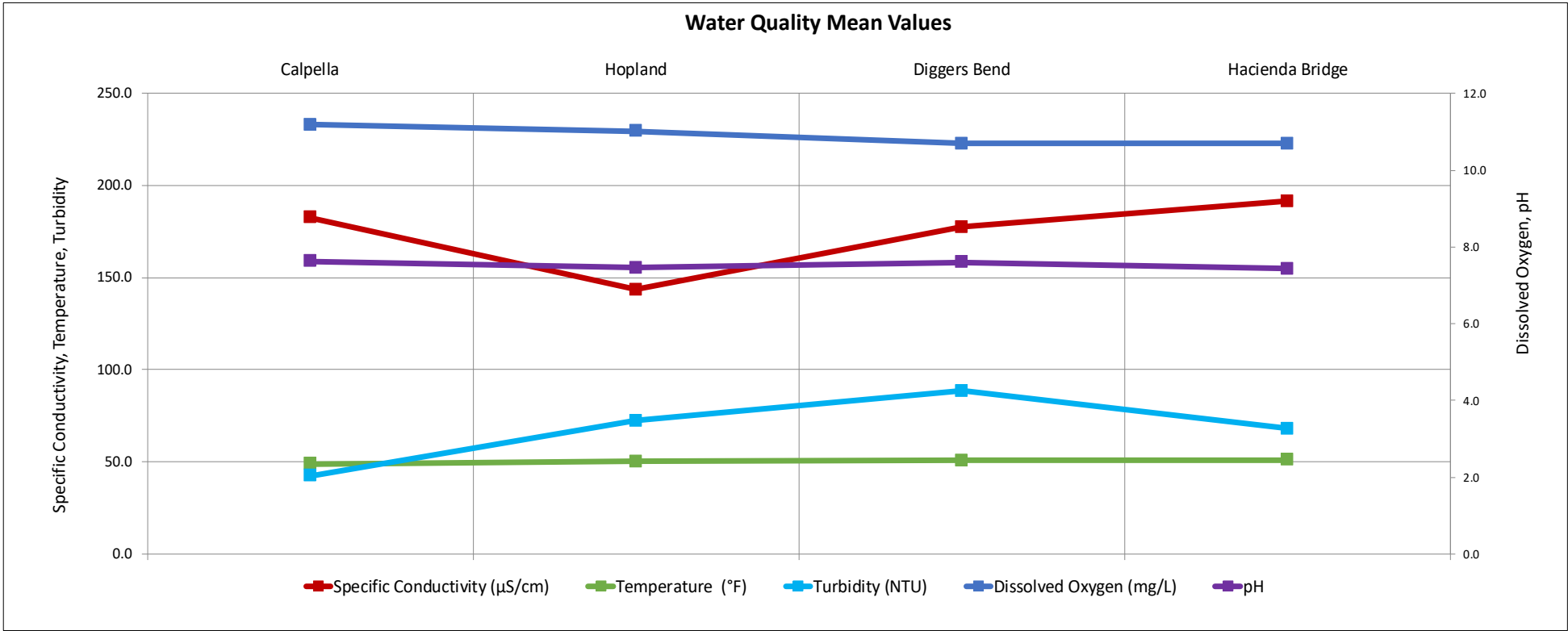
Lake Pillsbury Storage 2018 - 2024 and Target Storage Scenarios



Russian River Flows (January 12, 2024 - January 18, 2024)

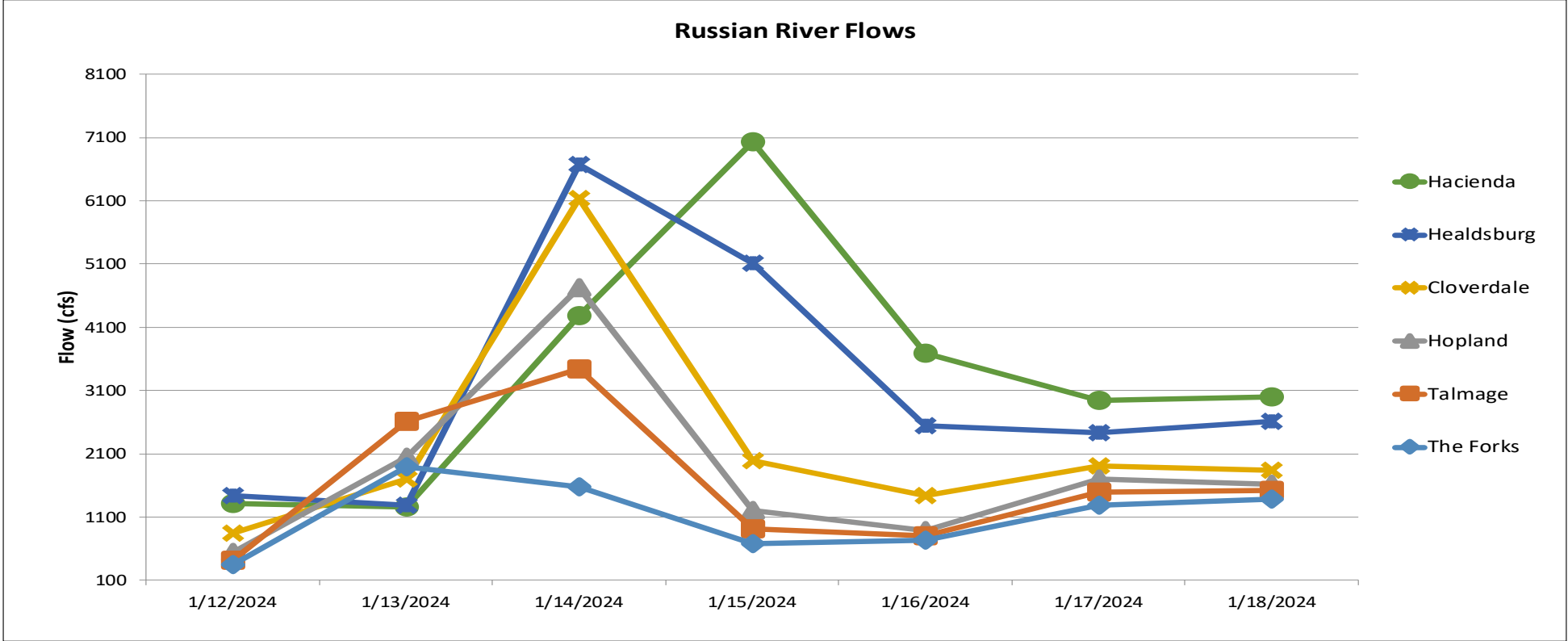
| Parameter                       |      | Calpella      | Hopland       | Cloverdale*   | Jimtown*      | Diggers Bend  | River Diversion System at Mirabel* | Hacienda Bridge | Johnsons Beach* |
|---------------------------------|------|---------------|---------------|---------------|---------------|---------------|------------------------------------|-----------------|-----------------|
|                                 |      | USGS 11461500 | USGS 11462500 | USGS 11463000 | USGS 11463682 | USGS 11463980 | SCWA                               | USGS 11467000   | SCWA            |
| Temperature (°F)                | Min  | 44.6          | 46.4          |               | 46.6          | 46.9          |                                    | 48.0            |                 |
|                                 | Max  | 51.3          | 51.8          |               | 52.5          | 52.7          |                                    | 52.7            |                 |
|                                 | Mean | 48.9          | 50.1          |               | 50.6          | 50.7          |                                    | 50.9            |                 |
| Specific Conductivity (µS/cm)   | Min  | 108.0         | 75.0          |               |               | 107.0         |                                    | 121.0           |                 |
|                                 | Max  | 216.0         | 179.0         |               |               | 227.0         |                                    | 255.0           |                 |
|                                 | Mean | 182.6         | 143.7         |               |               | 177.4         |                                    | 191.5           |                 |
| Dissolved Oxygen (mg/L)         | Min  | 10.8          | 10.6          |               |               | 10.3          |                                    | 10.2            |                 |
|                                 | Max  | 12.2          | 11.6          |               |               | 11.3          |                                    | 11.5            |                 |
|                                 | Mean | 11.2          | 11.0          |               |               | 10.7          |                                    | 10.7            |                 |
| Dissolved Oxygen (% Saturation) | Min  | 96.0          | 94.5          |               |               | 93.4          |                                    | 91.8            |                 |
|                                 | Max  | 100.5         | 100.8         |               |               | 98.3          |                                    | 99.7            |                 |
|                                 | Mean | 97.6          | 97.6          |               |               | 95.6          |                                    | 95.7            |                 |
| pH                              | Min  | 7.1           | 7.3           |               |               | 7.4           |                                    | 7.3             |                 |
|                                 | Max  | 7.8           | 7.7           |               |               | 7.7           |                                    | 7.6             |                 |
|                                 | Mean | 7.6           | 7.5           |               |               | 7.6           |                                    | 7.4             |                 |
| Turbidity (NTU)                 | Min  | 6.4           | 10.5          |               |               | 14.7          |                                    | 14.5            |                 |
|                                 | Max  | 511.0         | 534.0         |               |               | 483.0         |                                    | 256.0           |                 |
|                                 | Mean | 42.5          | 72.4          |               |               | 88.5          |                                    | 68.0            |                 |

\*Station operated seasonally



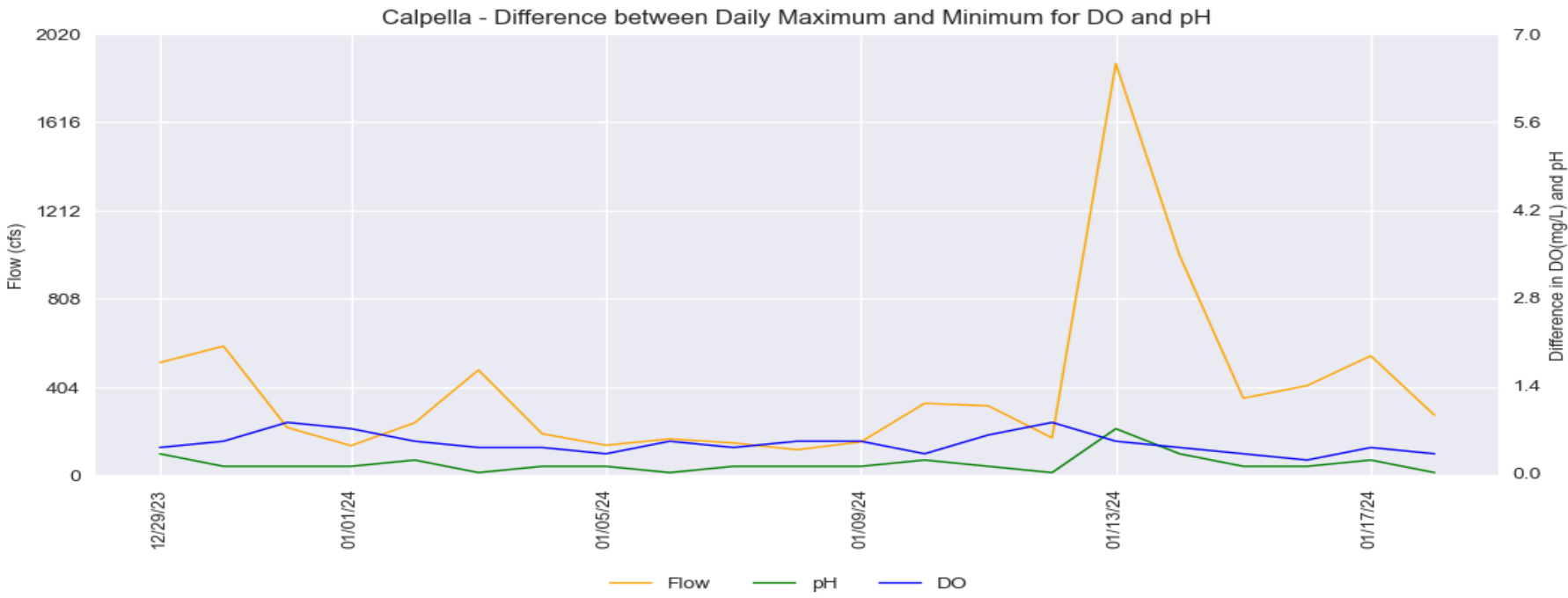
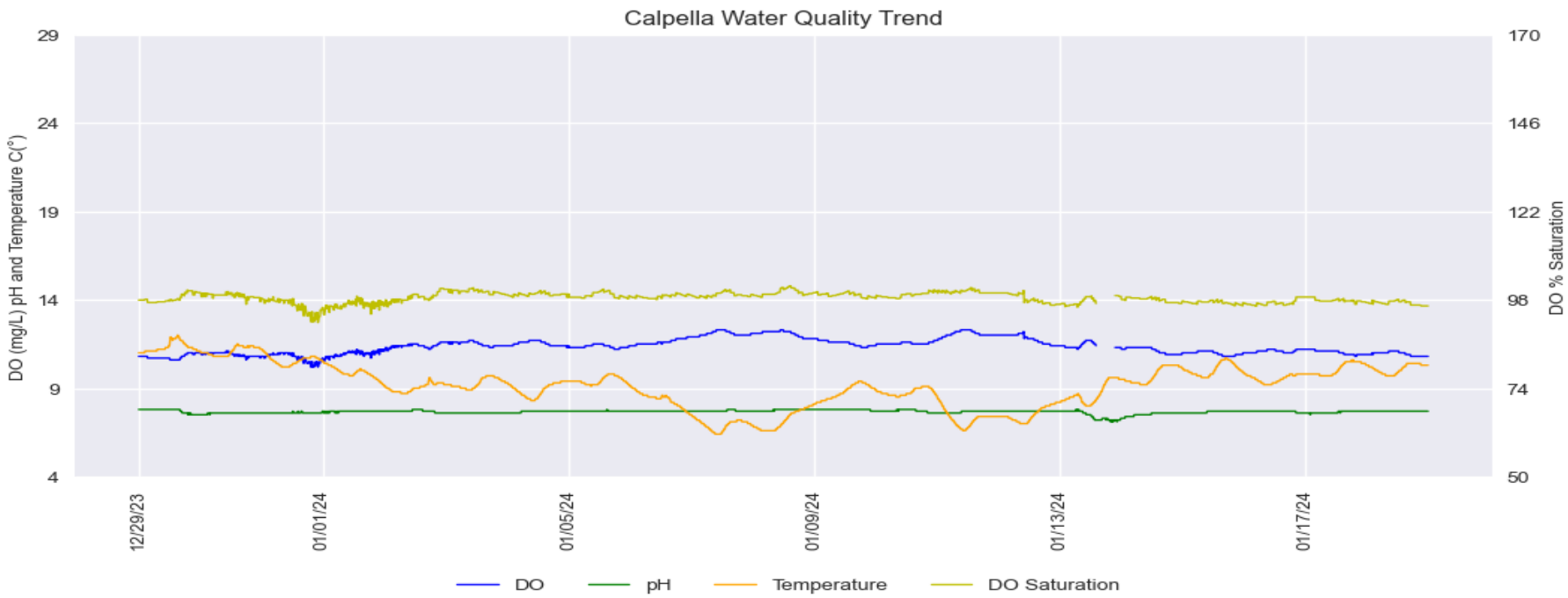
| Gage                        | 24-hr Average Flow (cfs) |              |              |              |              |              |              |
|-----------------------------|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                             | Jan 12, 2024             | Jan 13, 2024 | Jan 14, 2024 | Jan 15, 2024 | Jan 16, 2024 | Jan 17, 2024 | Jan 18, 2024 |
| The Forks*                  | 349                      | 1898         | 1578         | 685          | 736          | 1285         | 1383         |
| Talmage<br>USGS 11462080    | 420                      | 2617         | 3434         | 908          | 808          | 1491         | 1526         |
| Hopland<br>USGS 11462500    | 534                      | 2041         | 4730         | 1199         | 882          | 1696         | 1620         |
| Cloverdale<br>USGS 11463000 | 846                      | 1700         | 6129         | 1986         | 1439         | 1914         | 1832         |
| Healdsburg<br>USGS 11464000 | 1433                     | 1283         | 6673         | 5107         | 2538         | 2431         | 2616         |
| Hacienda<br>USGS 11467000   | 1313                     | 1256         | 4283         | 7033         | 3688         | 2947         | 2994         |

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

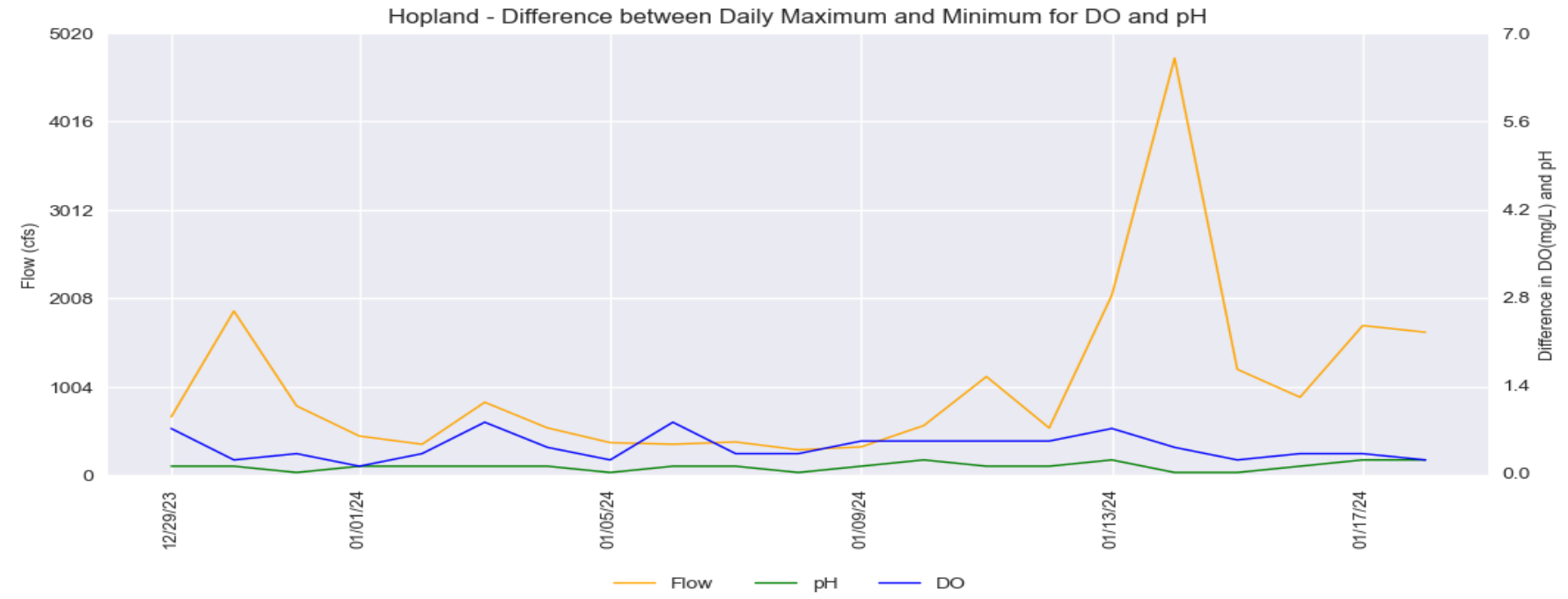
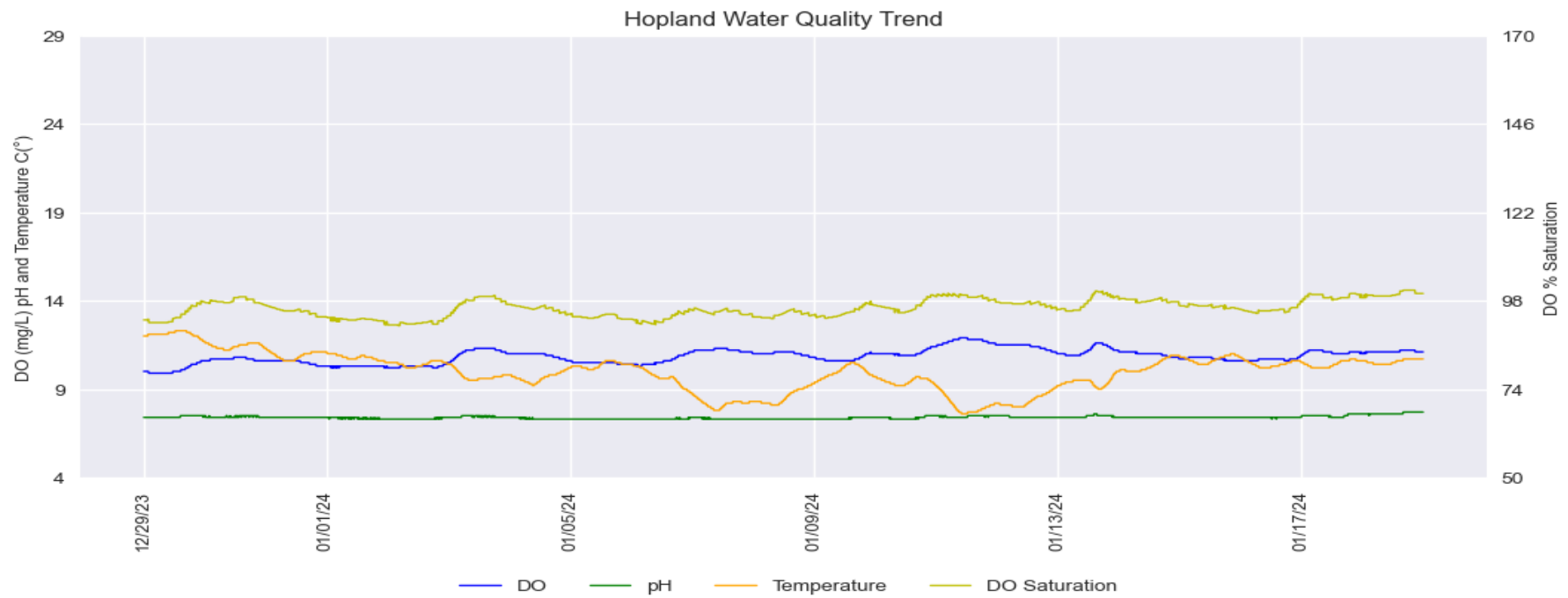


Russian River Water Quality December 29 2023 – January 18, 2024  
Provisional Data Subject to Revision

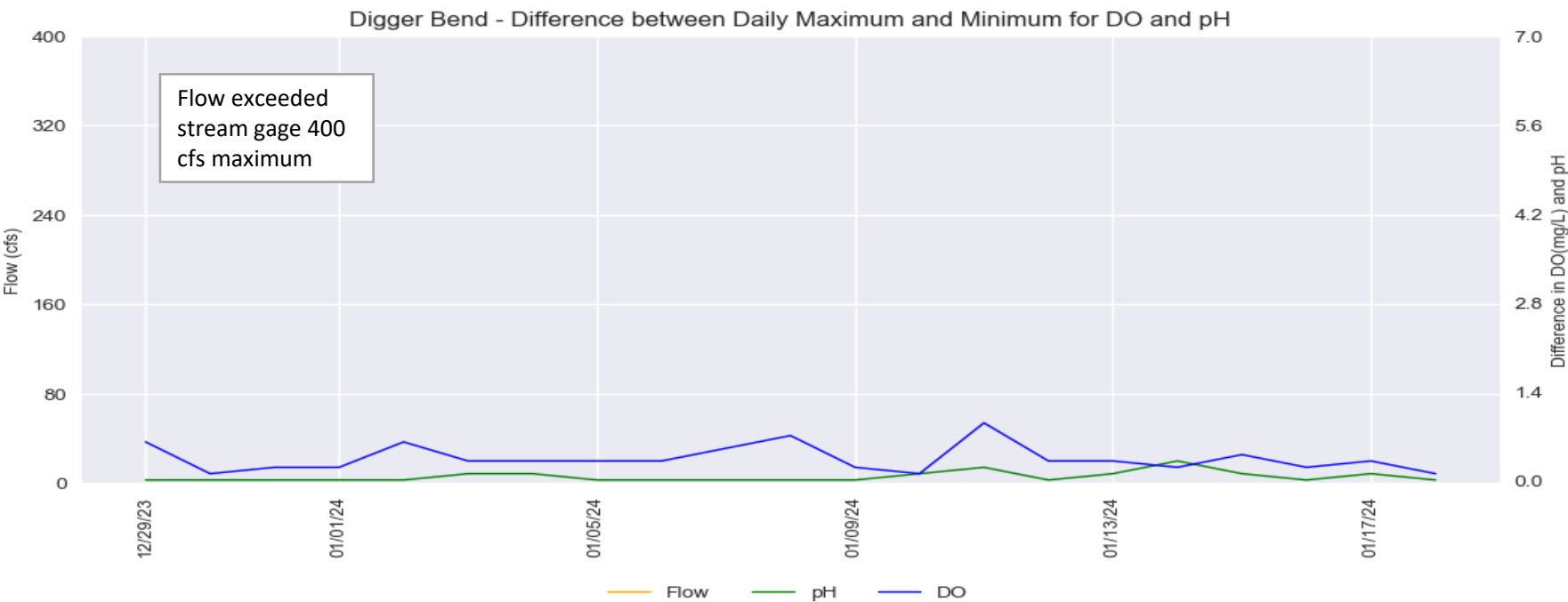
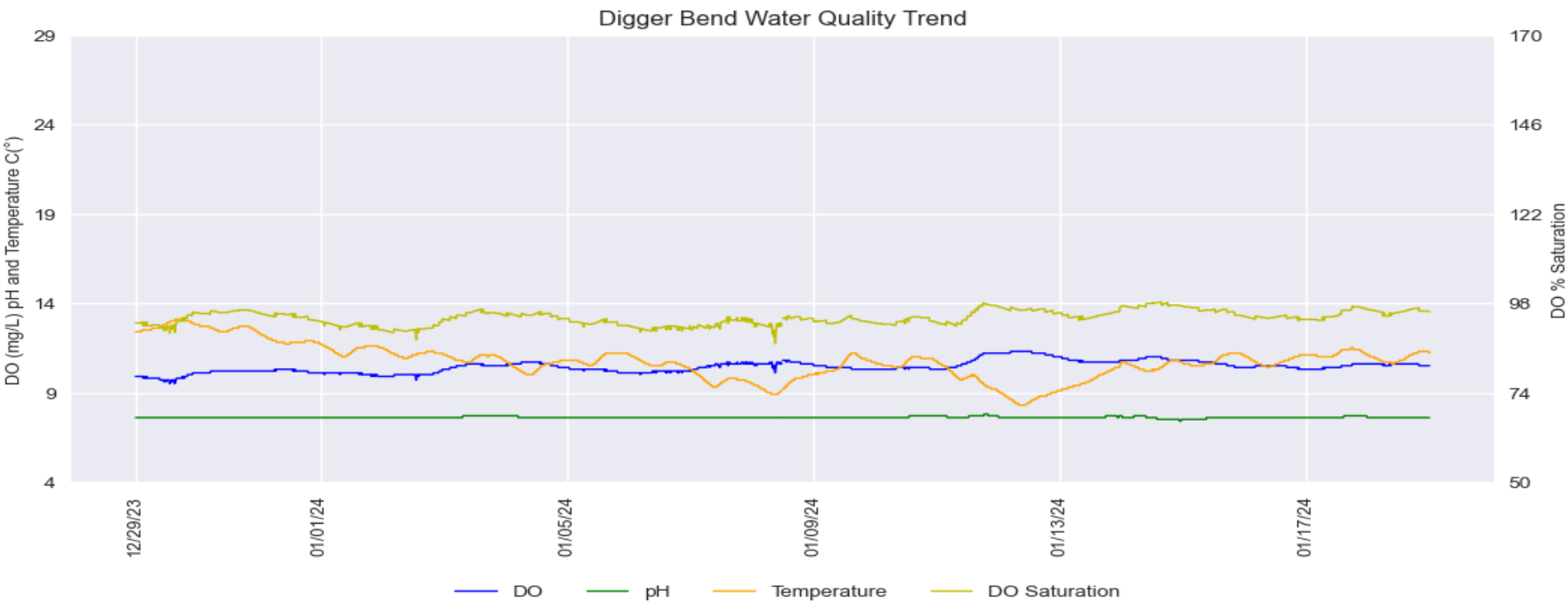
Calpella



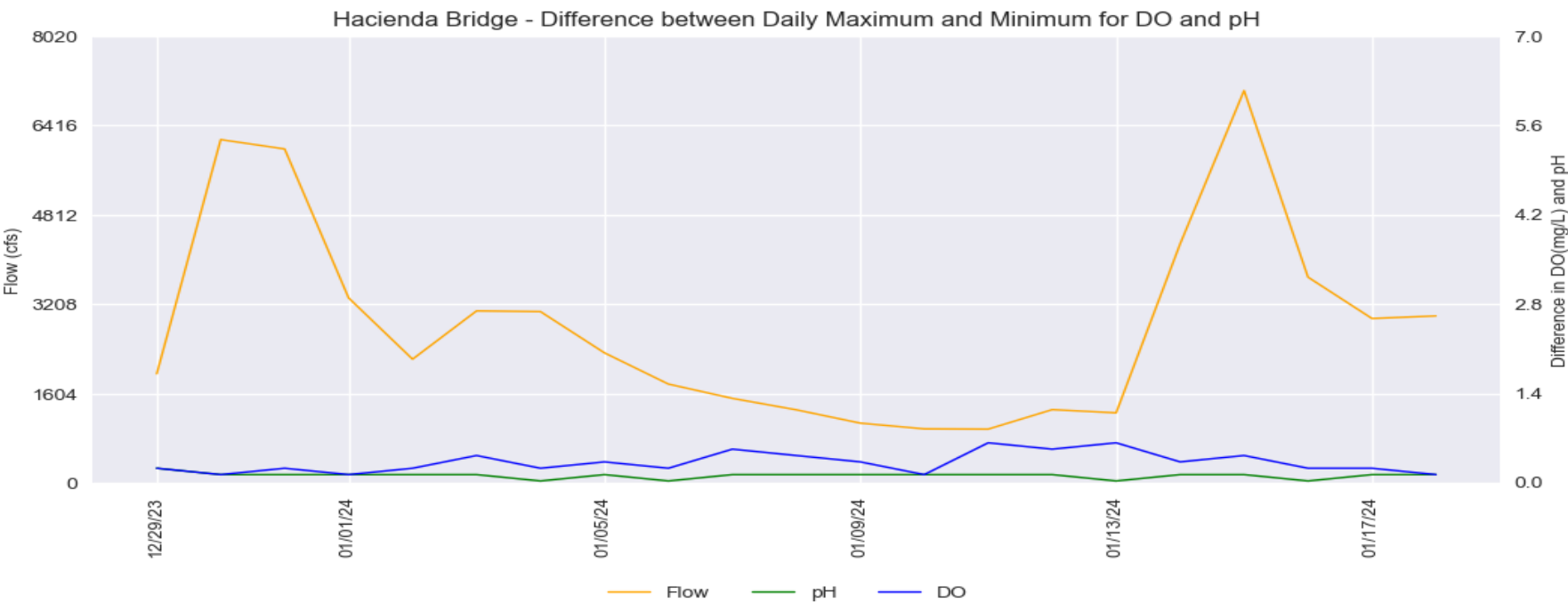
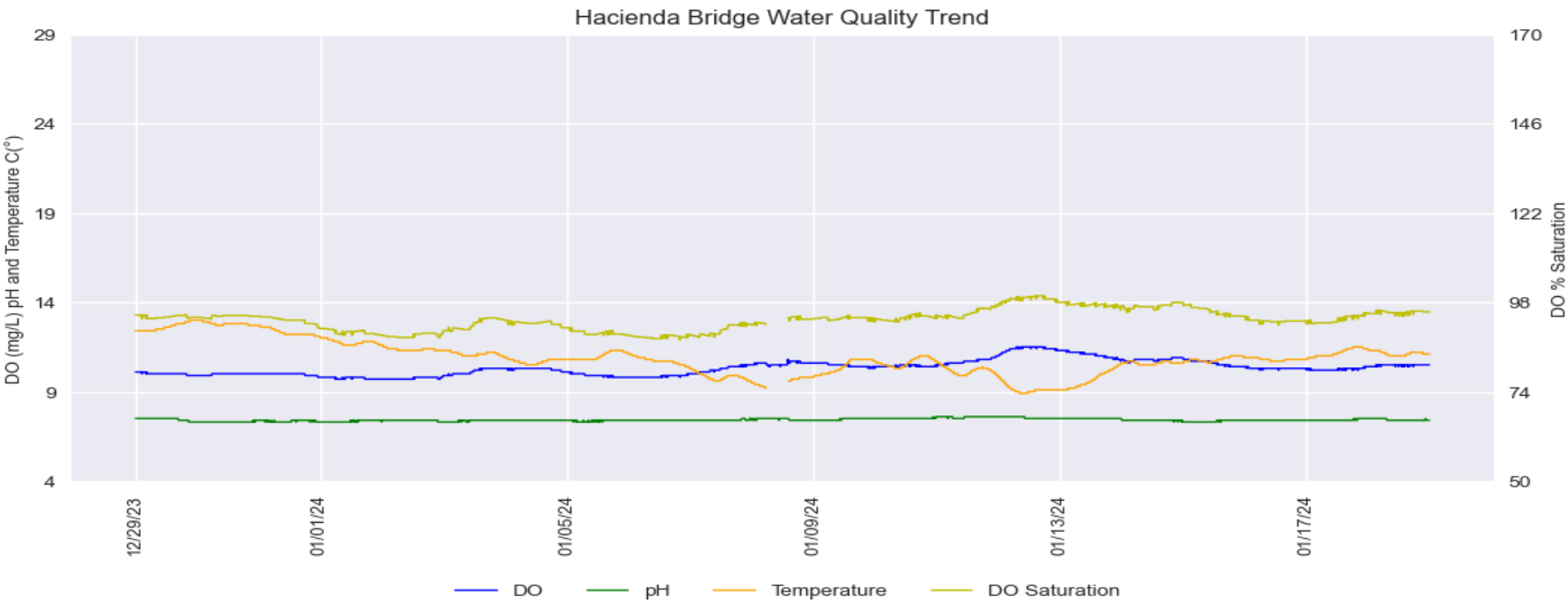
Hopland



Russian River Water Quality December 29 2023 – January 18, 2024  
Provisional Data Subject to Revision  
**Digger Bend**



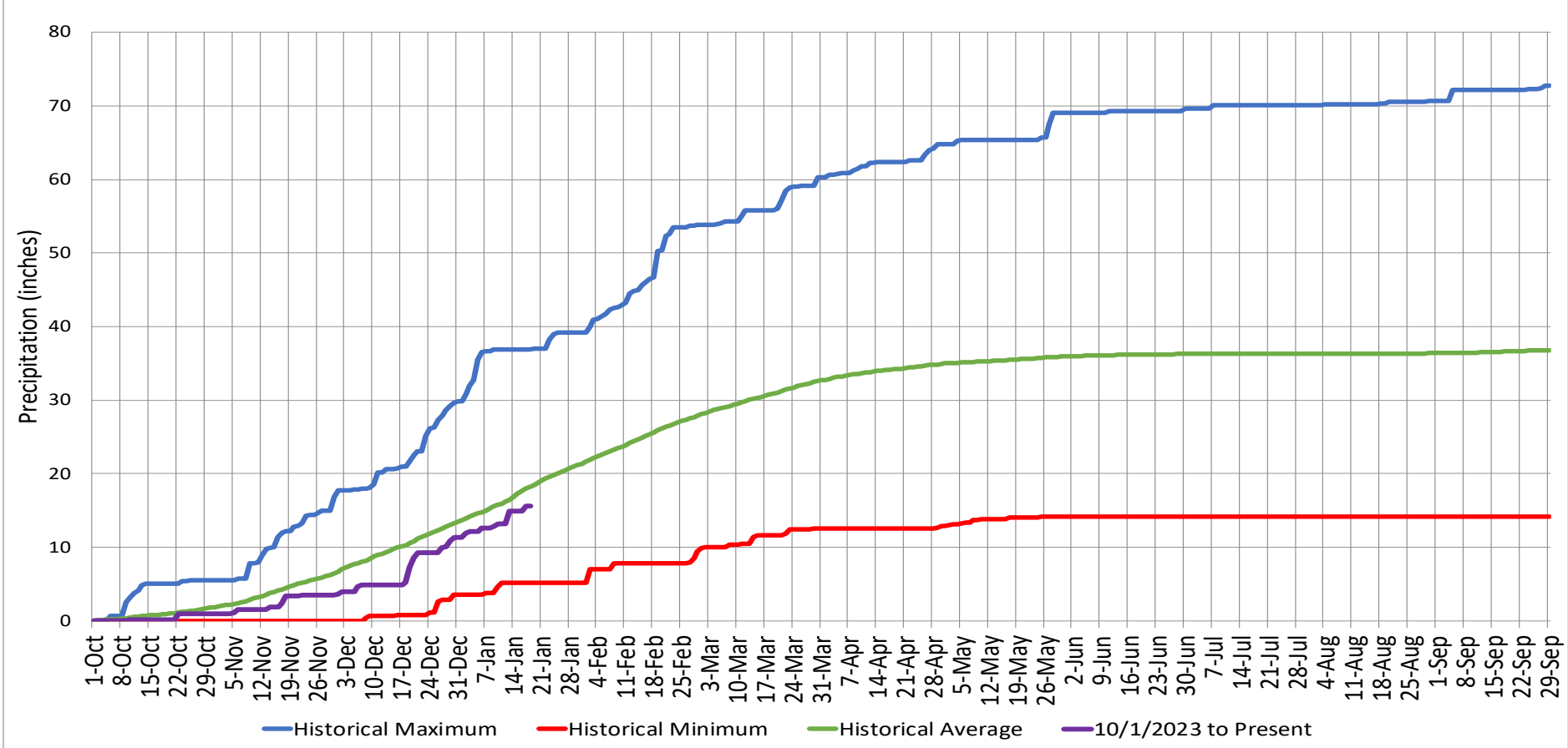
**Hacienda Bridge**



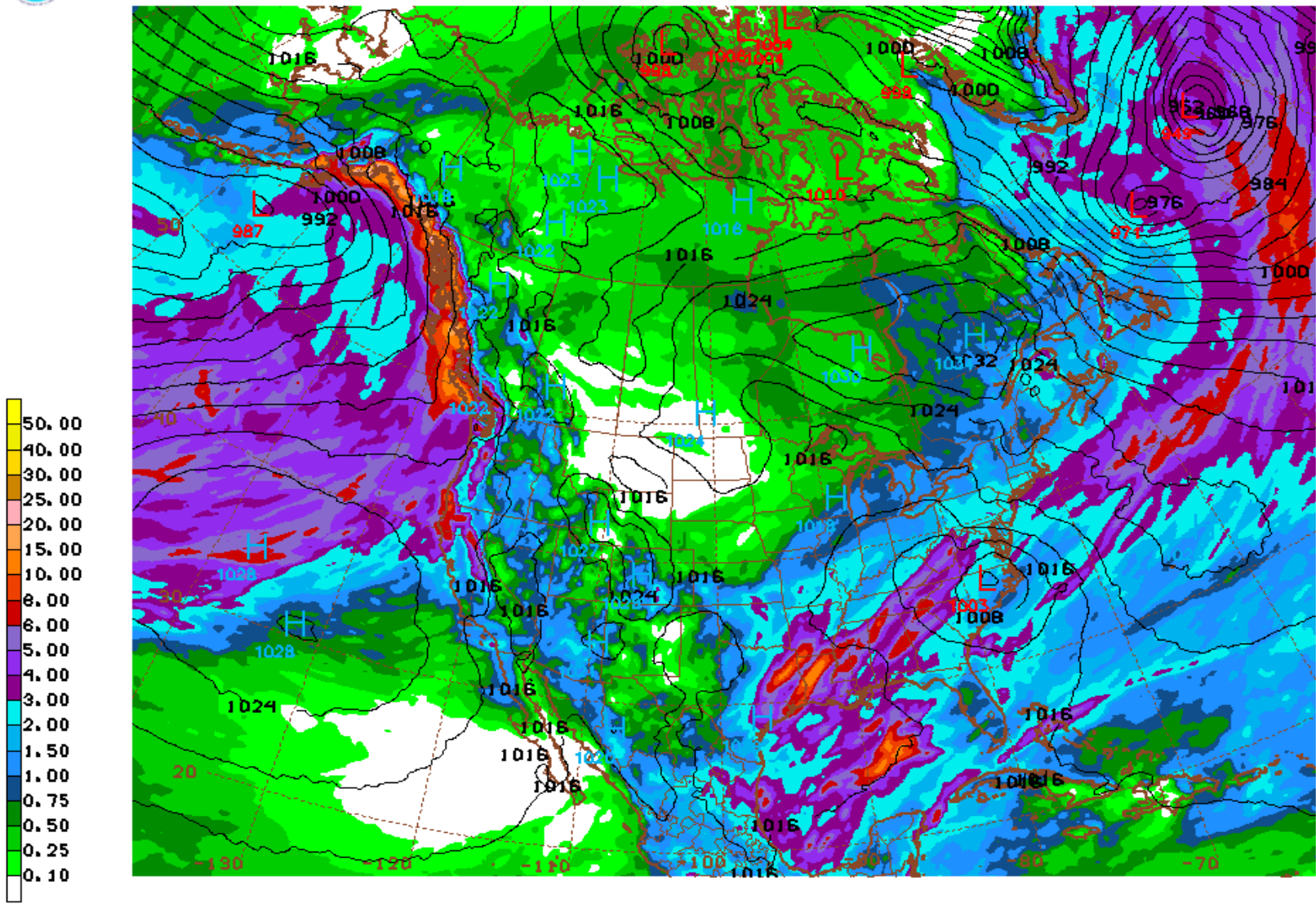
Precipitation

|                                                    |                     |
|----------------------------------------------------|---------------------|
| Ukiah Municipal Airport (WBAN: 72590523275 (KUKI)) |                     |
| Date Range                                         | Cumulative (inches) |
| Oct 1, 2023 - Jan 18, 2024                         | 15.64               |
| Last 7 Days*                                       | 2.48                |

Cumulative Precipitation Comparison of Current Year versus Historic Record



6FS 01/22/24 12UTC 384HR FCST VALID WED 02/07/24 12UTC NOAA/NWS/NCEP



6FS WED 240207/1200V384 EMSL (4MB), 384HR ACCUMULATED PRECIP (IN)

|                      |                                |
|----------------------|--------------------------------|
| Date Range           | Forecasted Cumulative (inches) |
| Jan 22 - Feb 7, 2024 | 3.91                           |