



**State Water Resources Control Board
 Temporary Urgency Change Order (6/17/2022)
 Russian River Hydrologic Report
 September 16, 2022 - September 22, 2022**

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).

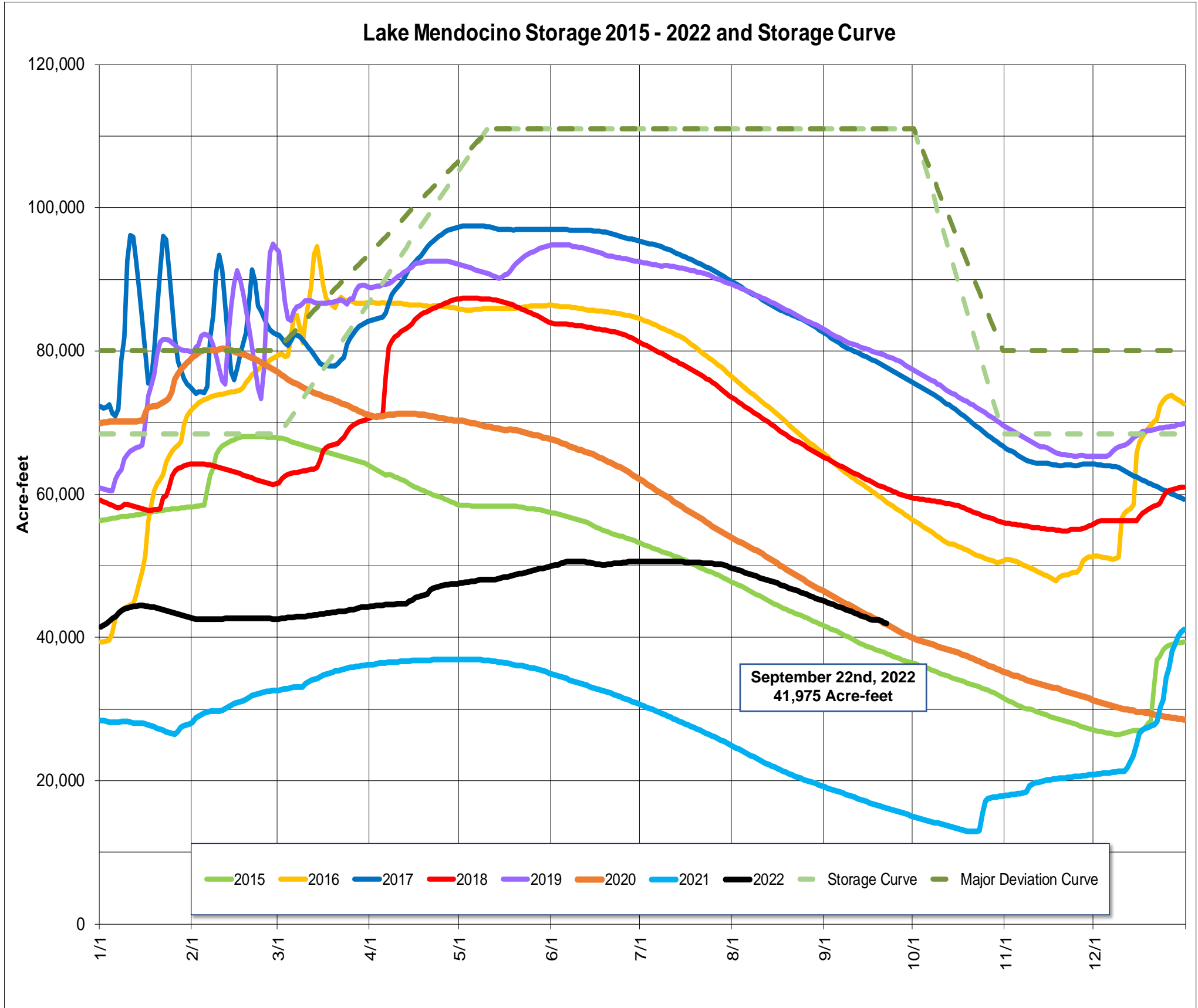
Instream Flow Requirements as of September 22, 2022

| Basis | Reach | Instantaneous (cfs) | 5-day Average (cfs) |
|--|---------------------|---------------------|---------------------|
| Modified Per Order: Critical Condition | Upper Russian River | 15 | 25 |
| D-1610: Normal Condition | Dry Creek | 80 | - |
| Modified Per Order: Critical Condition | Lower Russian River | 25 | 35 |

Upper and Lower Russian River based on criteria as established in the Order issued 6/17/2022.

Lake Mendocino

Lake Mendocino Storage 2015 - 2022 and Storage Curve



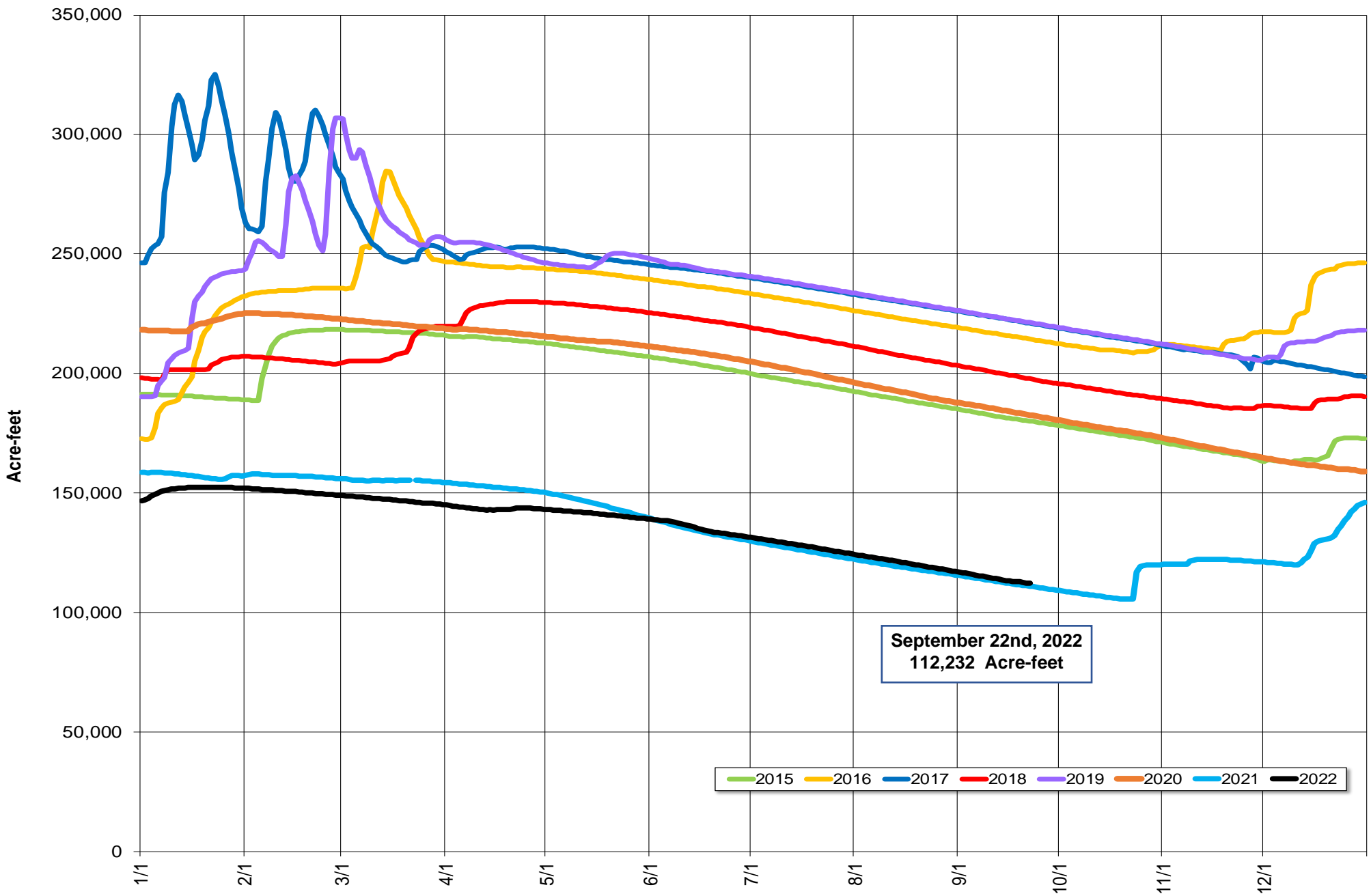
| | | | |
|-------------------------------|--------------------|---------------|--------------------|
| Storage (acre-feet) | September 22, 2022 | 41,975 | |
| | | Total | Average Daily Rate |
| Change in Storage (acre-feet) | Last 30 days | -4,516 | -151 |
| | Last 7 days | -591 | -84 |
| Daily Inflow (cfs) | Last 7 days | Min | 2 |
| | | Max | 130 |
| | | Mean | 33 |
| Release (cfs) | Last 7 days | Min | 74 |
| | | Max | 92 |
| | | Mean | 83 |

Lake Sonoma



Nathan Baskett, March 3, 2011

Lake Sonoma Storage 2015-2022



| | | | |
|-------------------------------|--------------------|----------------|--------------------|
| Storage (acre-feet) | September 22, 2022 | 112,232 | |
| | | Total | Average Daily Rate |
| Change in Storage (acre-feet) | Last 30 days | -7,215 | -241 |
| | Last 7 days | -970 | -139 |
| Daily Inflow (cfs) | Last 7 days | Min | 0 |
| | | Max | 144 |
| | | Mean | 21 |
| Release (cfs) | Last 7 days | Min | 94 |
| | | Max | 101 |
| | | Mean | 95 |

Potter Valley Project

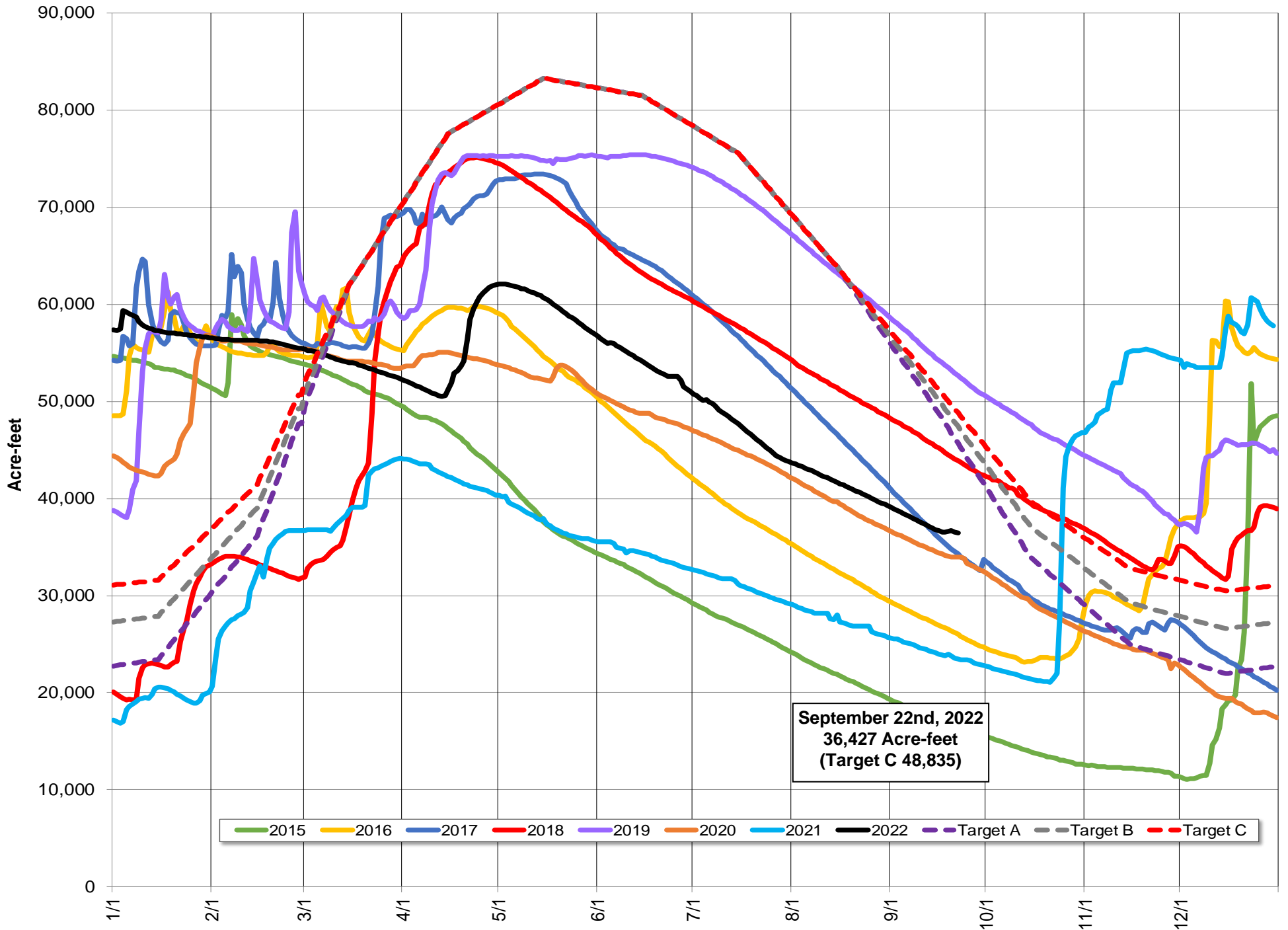
| | | |
|---------------------|--------------------|----|
| PVP Diversion (cfs) | September 22, 2022 | 17 |
|---------------------|--------------------|----|

Lake Pillsbury

| Parameter | Date Range | Cumulative | Daily Average |
|---------------------|--------------------------------------|------------|---------------|
| Inflow* (acre-feet) | October 1, 2021 - September 22, 2022 | 227,929 | 640 |
| | Last 7 days | 744 | 106 |

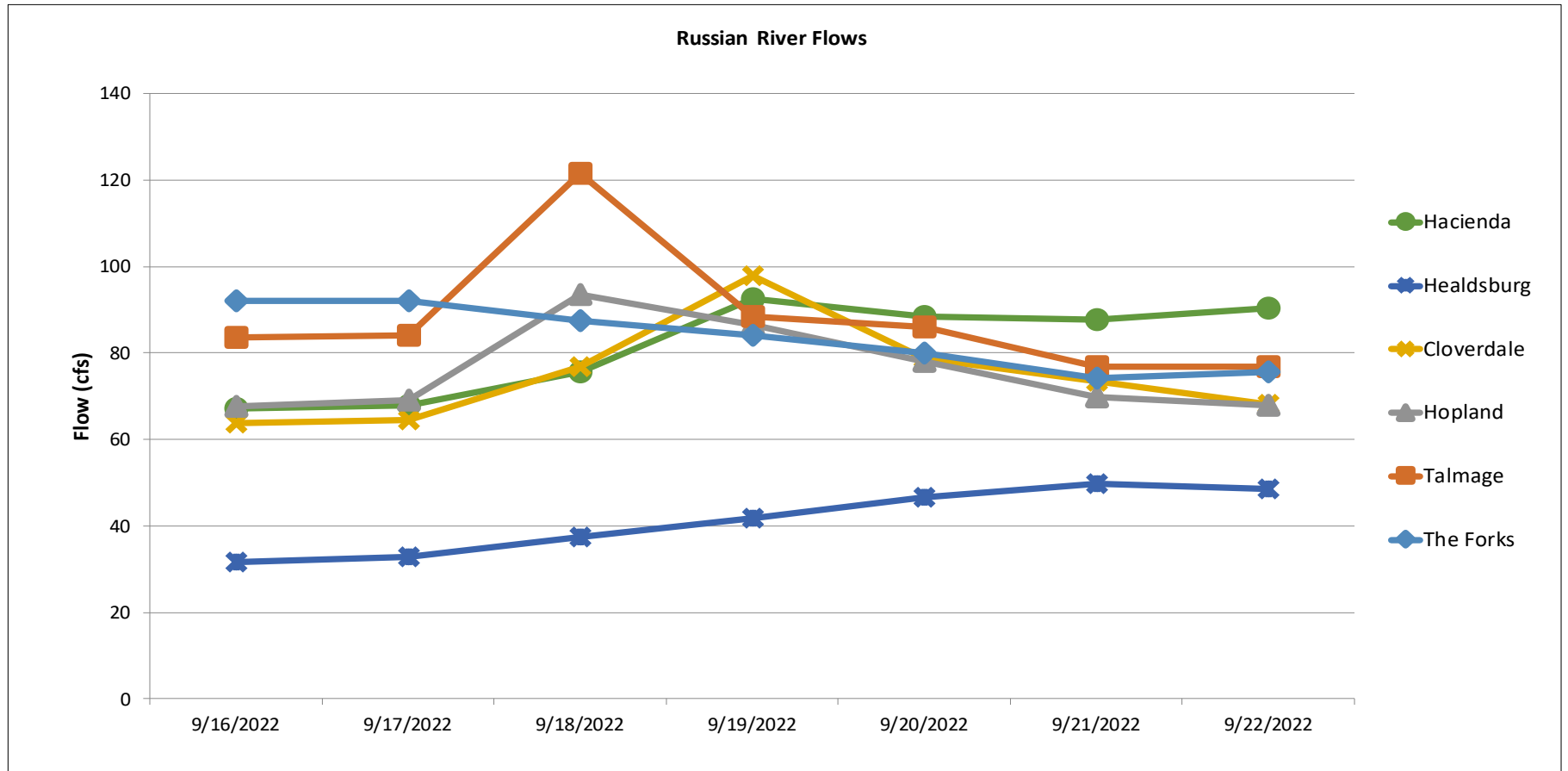
*Inflow calculation based on criteria established in D1610

Lake Pillsbury Storage 2015-2022 and Target Storage Scenarios

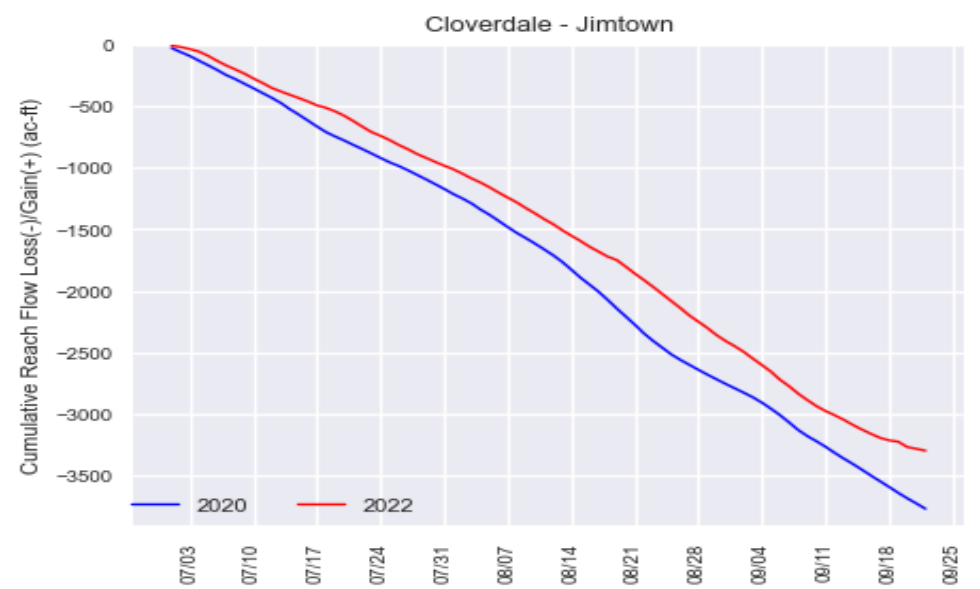
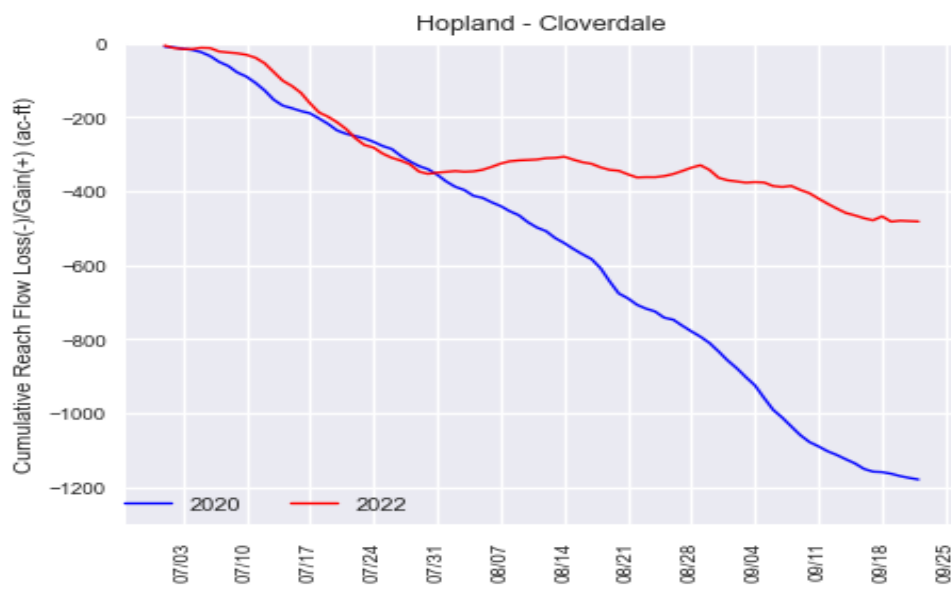
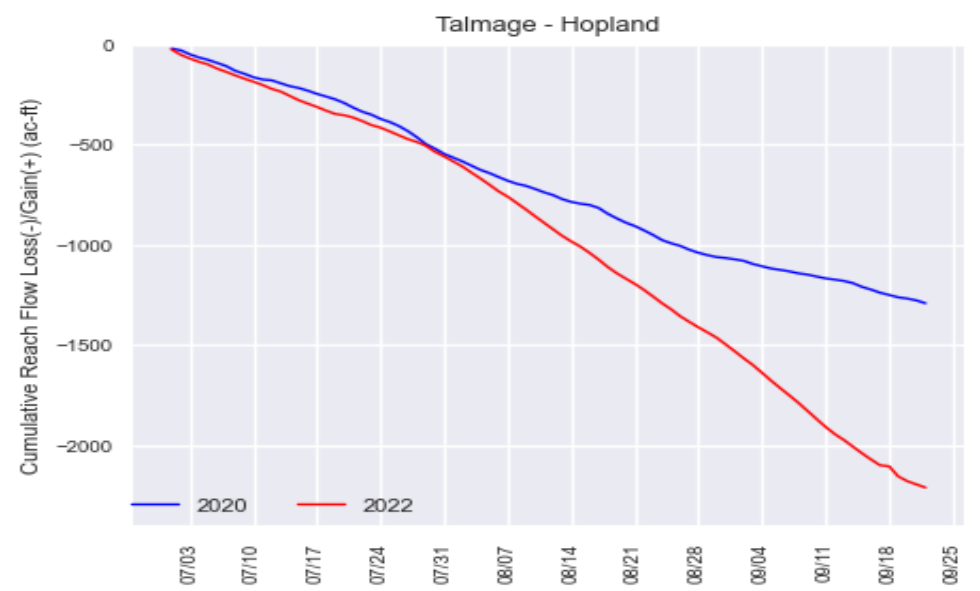
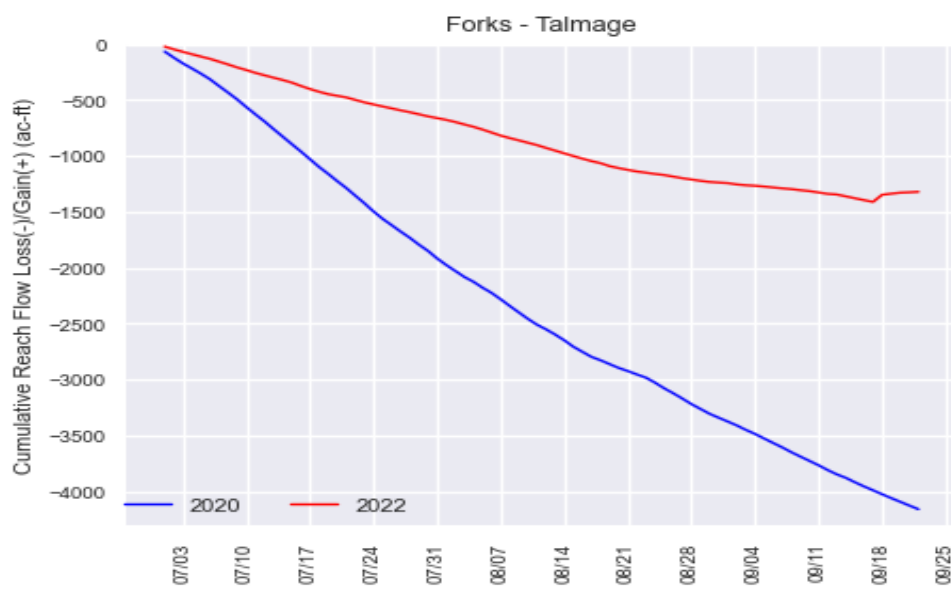


| Gage | 24-hr Average Flow (cfs) | | | | | | |
|-----------------------------|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | Sep 16, 2022 | Sep 17, 2022 | Sep 18, 2022 | Sep 19, 2022 | Sep 20, 2022 | Sep 21, 2022 | Sep 22, 2022 |
| The Forks* | 92 | 92 | 87 | 84 | 80 | 74 | 76 |
| Talmage USGS 11462080 | 83 | 84 | 122 | 88 | 86 | 77 | 77 |
| Hopland USGS 11462500 | 68 | 69 | 94 | 87 | 78 | 70 | 68 |
| Cloverdale USGS 11463000 | 64 | 65 | 77 | 98 | 79 | 73 | 68 |
| Healdsburg USGS 11464000 | 32 | 33 | 38 | 42 | 47 | 50 | 48 |
| Hacienda USGS 11467000 | 67 | 68 | 76 | 93 | 89 | 88 | 90 |

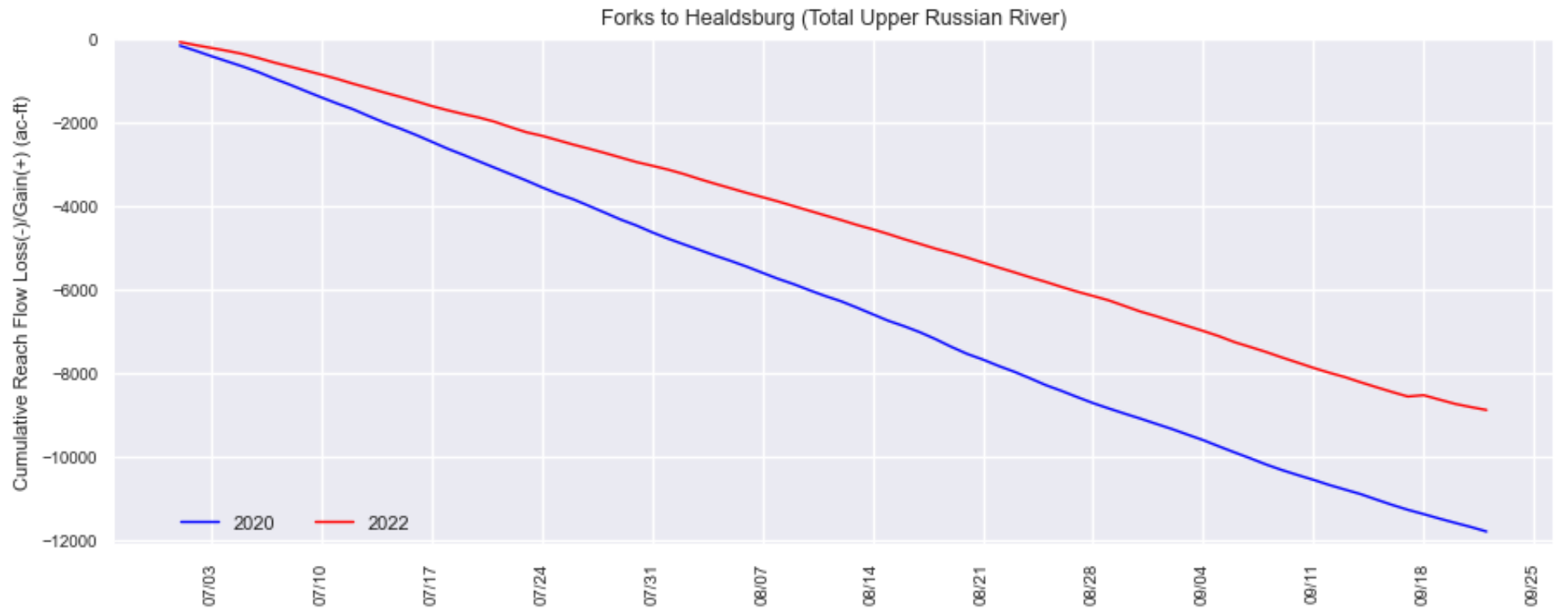
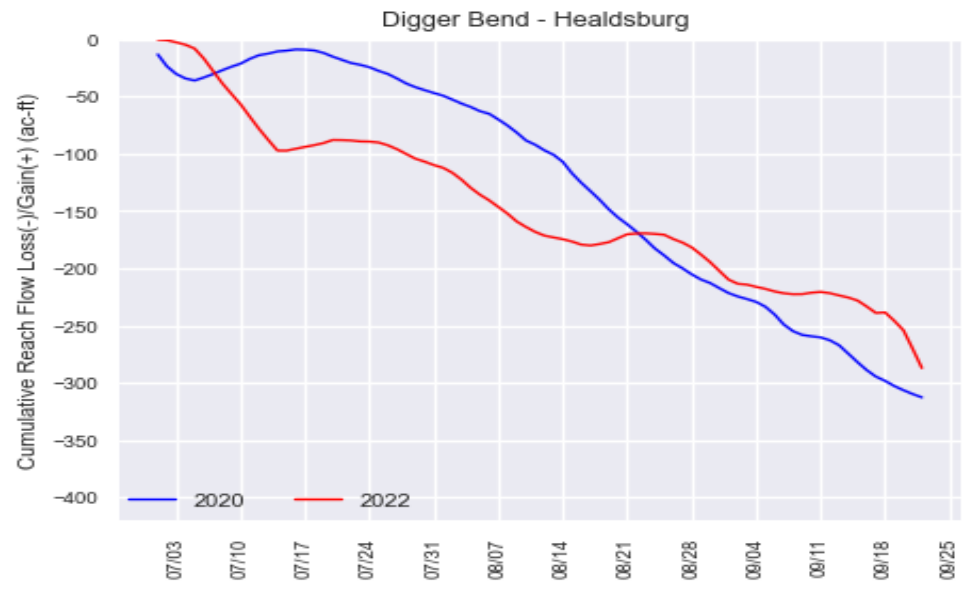
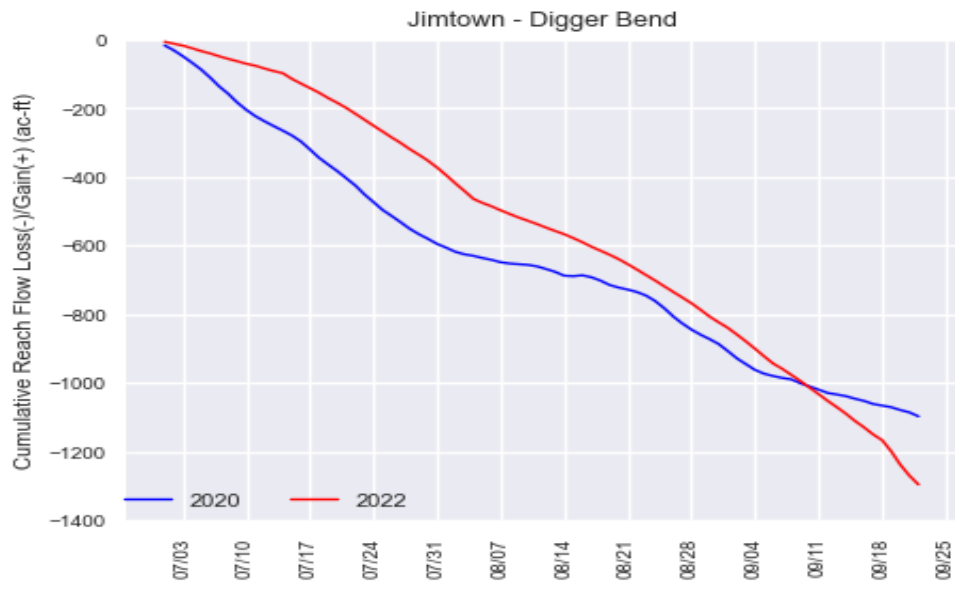
*West Fork(USGS 11461000) + East Fork (Coyote Valley Dam Release)



Upper Russian River Flow Gain/Loss (July 1, 2022 - September 22, 2022)



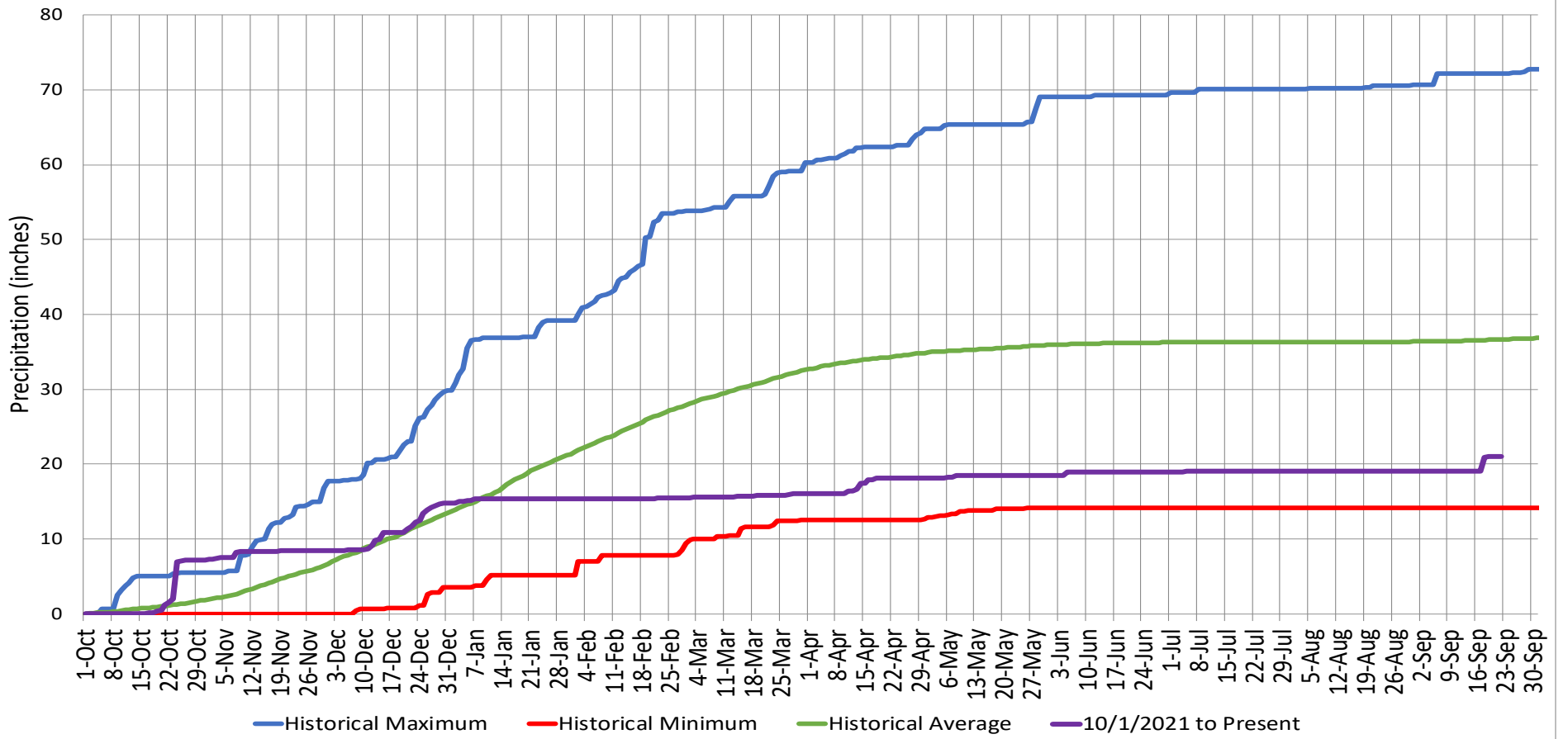
Upper Russian River Flow Gain/Loss (July 1, 2022 - September 22, 2022)



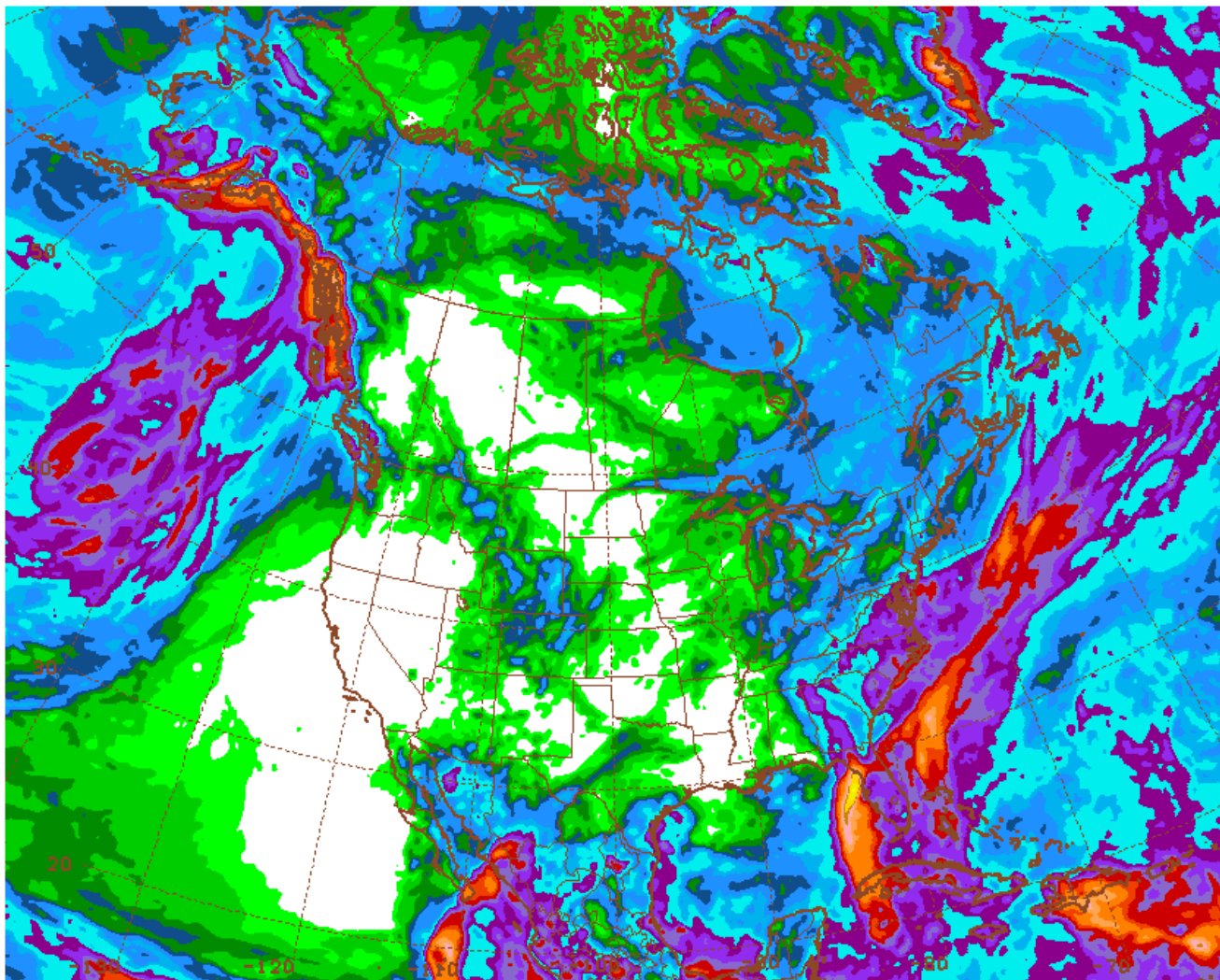
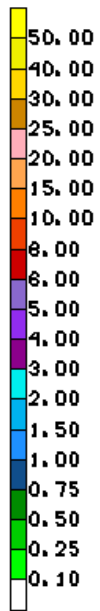
Precipitation

| | |
|--|---------------------|
| Ukiah Municipal Airport (WBAN: 72590523275 (KUKI)) | |
| Date Range | Cumulative (inches) |
| Oct 1, 2021 - Sep 22, 2022 | 21.01 |
| Last 7 Days* | 1.98 |

Cumulative Precipitation Comparison of Current Year versus Historic Record



GFS 09/26/22 12UTC 384HR FCST VALID WED 10/12/22 12UTC NOAA/NWS/NCEP



GFS WED 221012/1200V384 384HR ACCUMULATED PRECIP (IN)

Date Range
Sep 26 - Oct 12, 2022

Forecasted Cumulative (inches)
0.00

Russian River Fisheries Monitoring



Figure 1. The number of hours of video collected at the Mirabel dam on the Russian River that has been reviewed in 2022.

| Species | Number of fish |
|-----------|----------------|
| Chinook | 0 |
| Coho | 0 |
| Steelhead | 0 |

Table 1. The number of adult salmonids that have been observed on the Mirabel dam video camera in 2022.