



WATER & POWER
Serving Central California since 1887

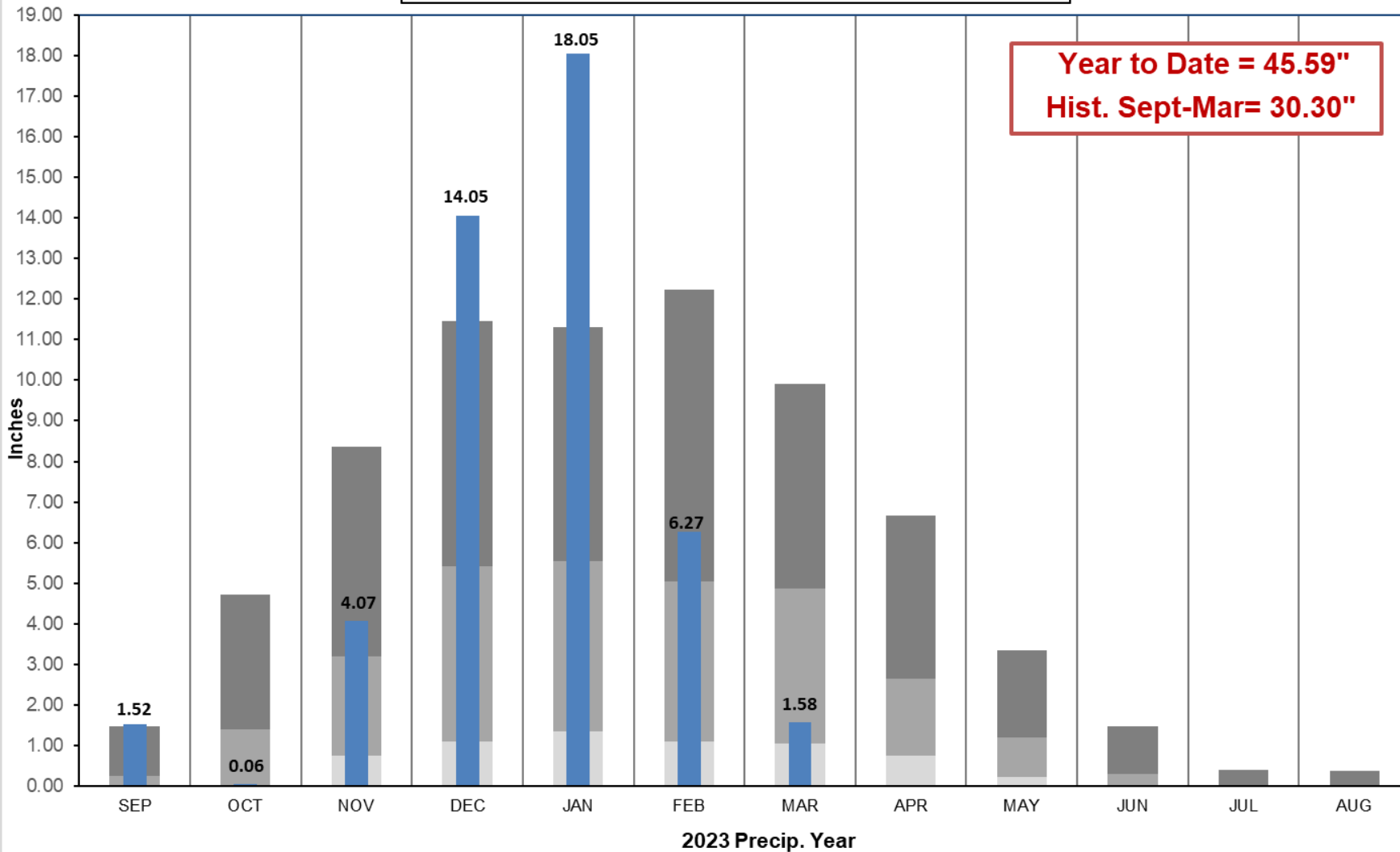


Hydrology Report

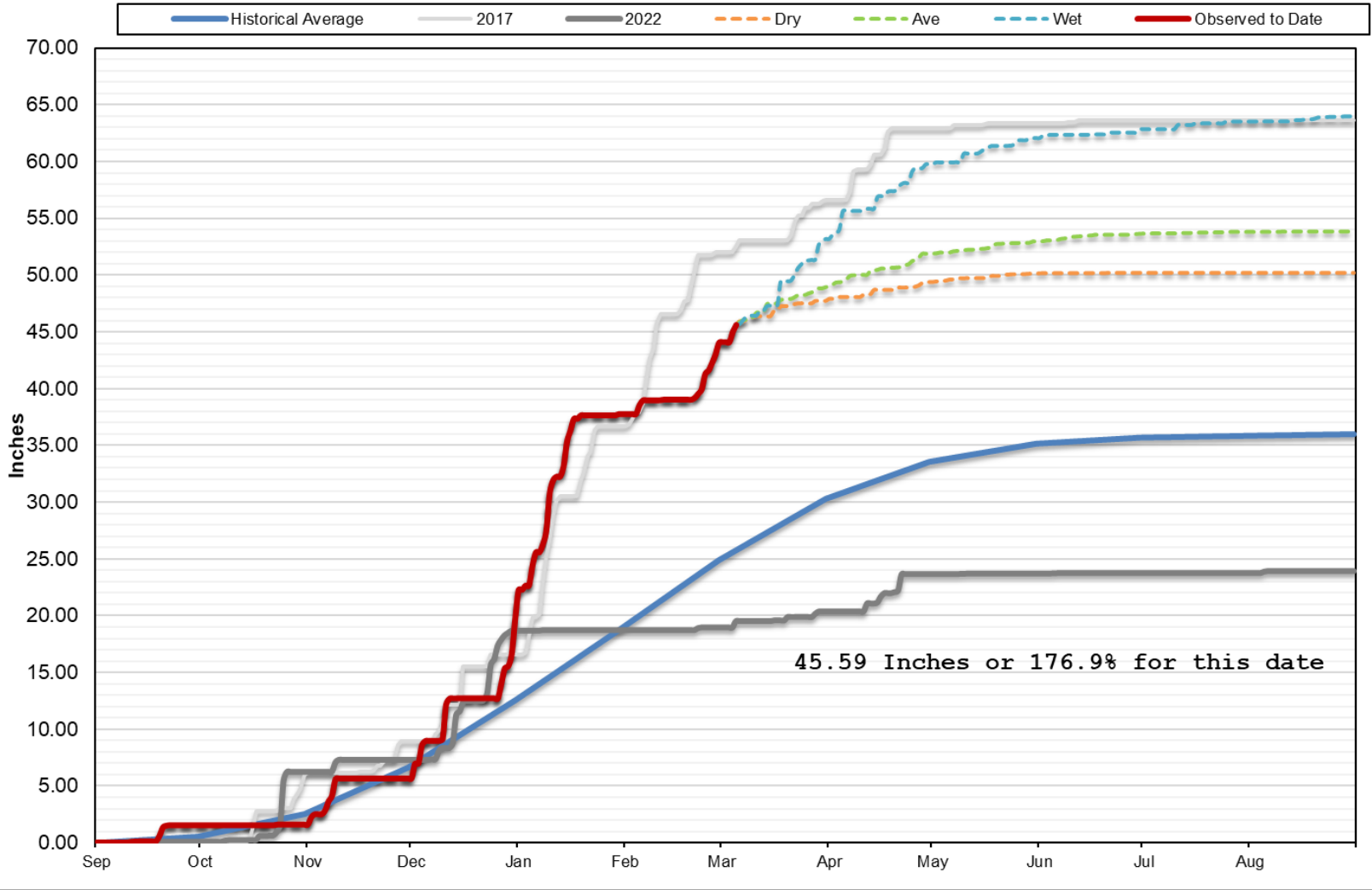
March 7, 2023

Tuolumne River Watershed Monthly Accumulation of Precipitation

■ Dry ■ Ave ■ Wet ■ 2022-2023



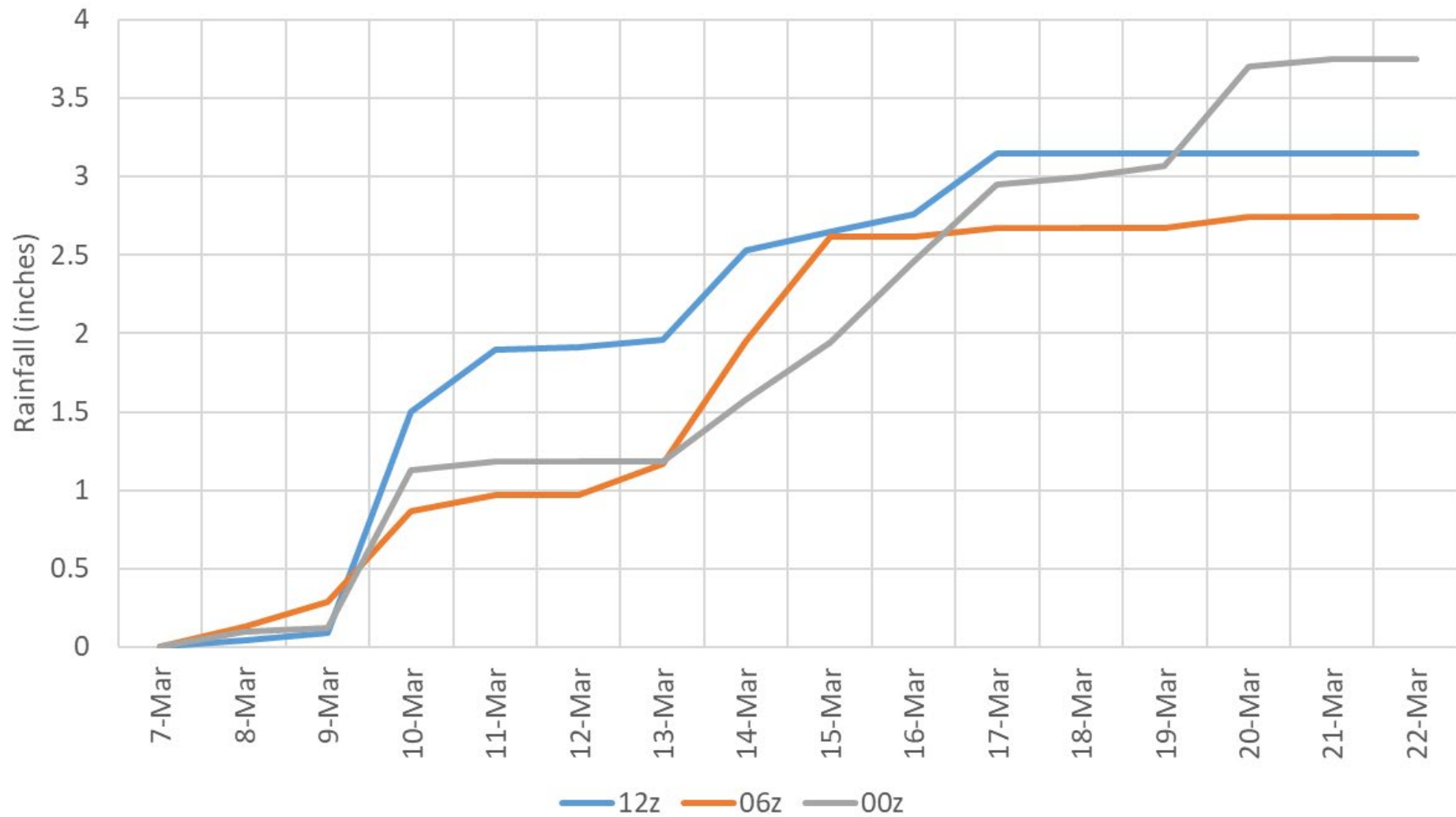
Tuolumne River Watershed Accumulated Precipitation



9-Day Local Forecast (Turlock)

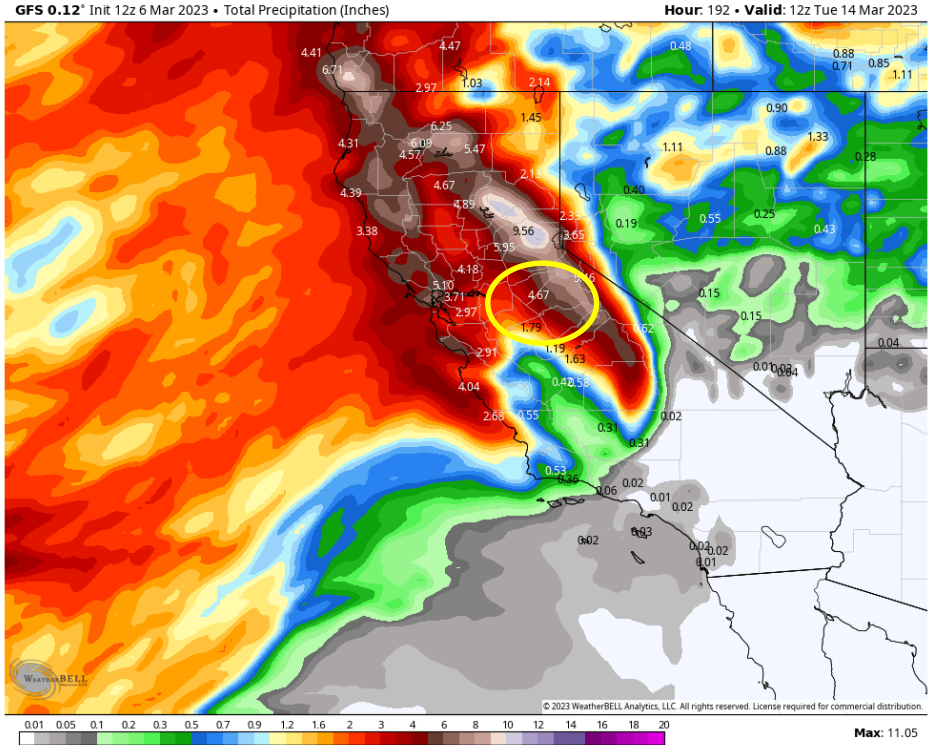
Date	03/07	03/08	03/09	03/10	03/11	03/12	03/13	03/14	03/15
Precip (in)	0	0.04	0.05	1.41	0.4	0.01	0.05	0.57	0.12
Temp (max) (min)	56 38	53 35	57 51	63 53	63 51	67 50	66 51	60 49	61 45

Accumulated Local Rainfall Forecast

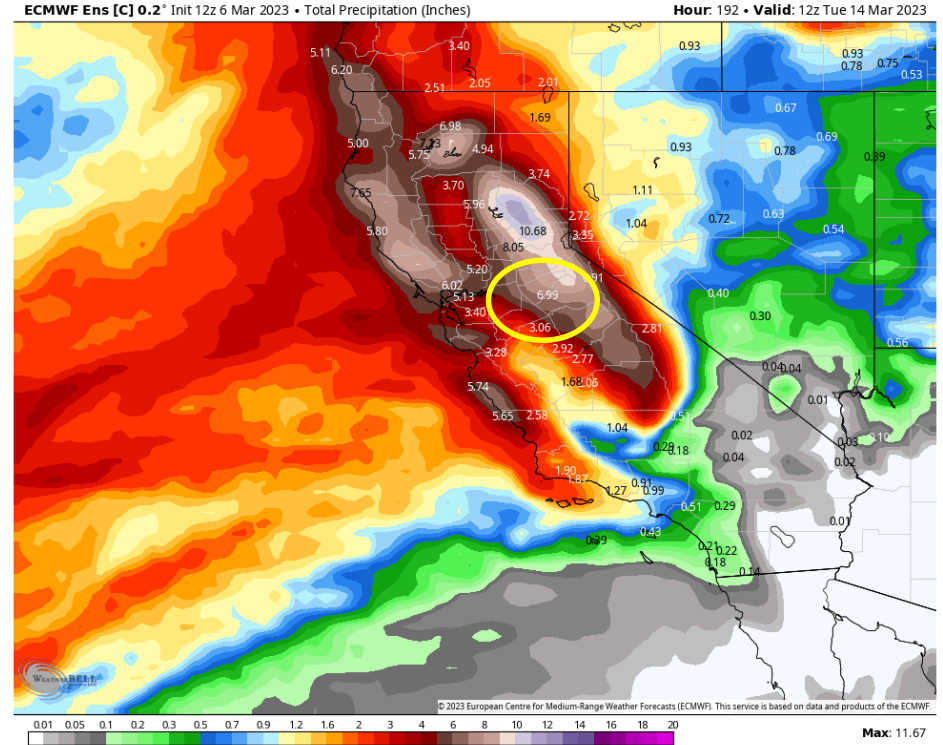


8 Day Precipitation Forecast

US MODEL



EURO MODEL



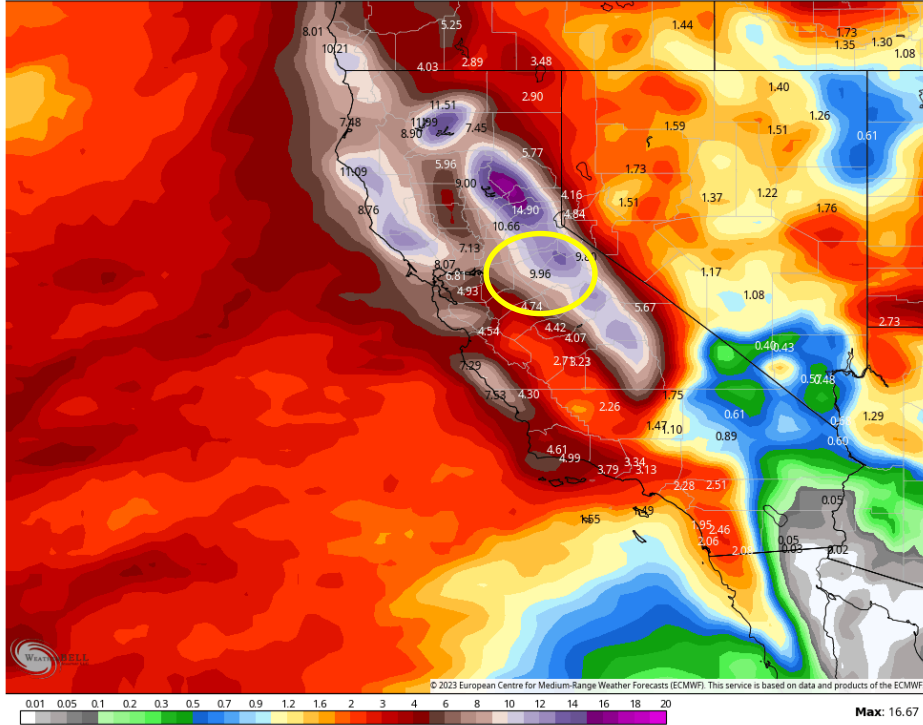
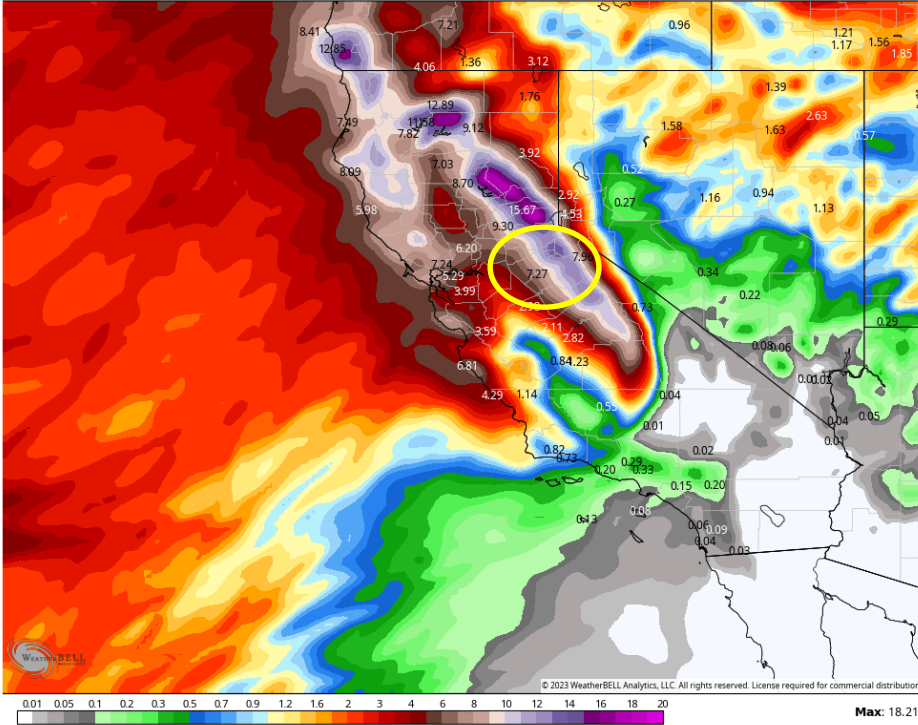
16 Day Precipitation Forecast

US MODEL

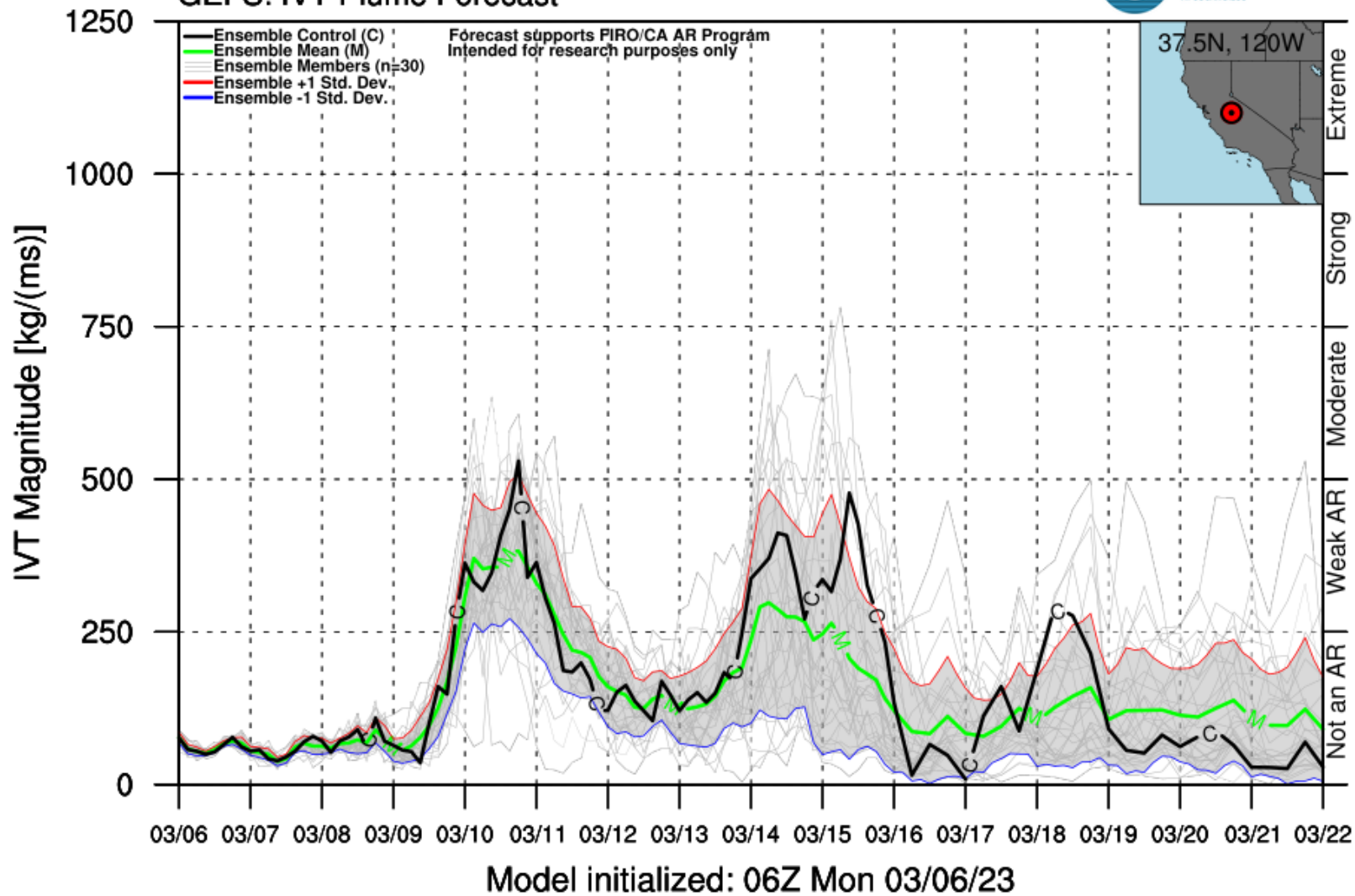
EURO MODEL

GFS 0.12¹ Init 12z 6 Mar 2023 • Total Precipitation (Inches) Hour: 384 • Valid: 12z Wed 22 Mar 2023

ECMWF Ens [C] 0.2¹ Init 12z 6 Mar 2023 • Total Precipitation (Inches) Hour: 360 • Valid: 12z Tue 21 Mar 2023



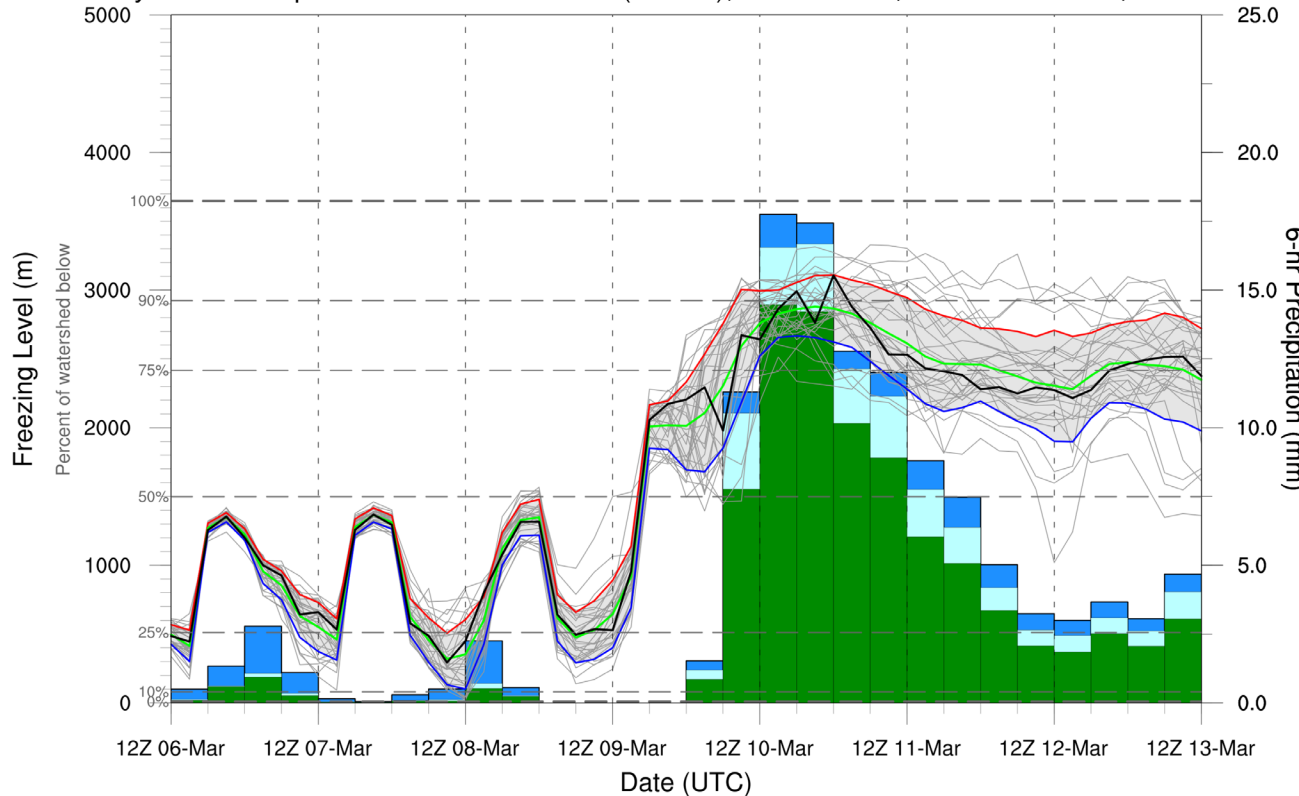
GEFS: IVT Plume Forecast



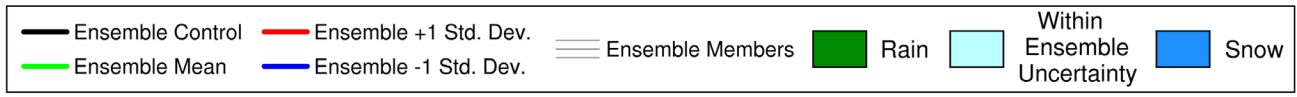
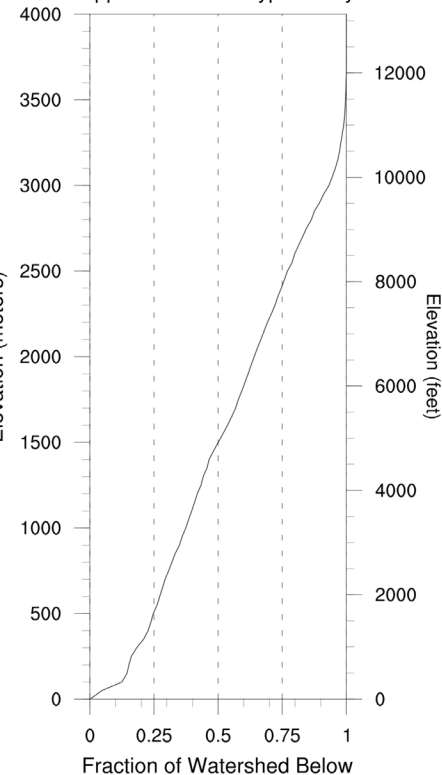
Categorical AR Strength by Ralph/CW3E

Upper Tuolumne; GEFS Forecast Initialized 2023-Mar-06 12 UTC

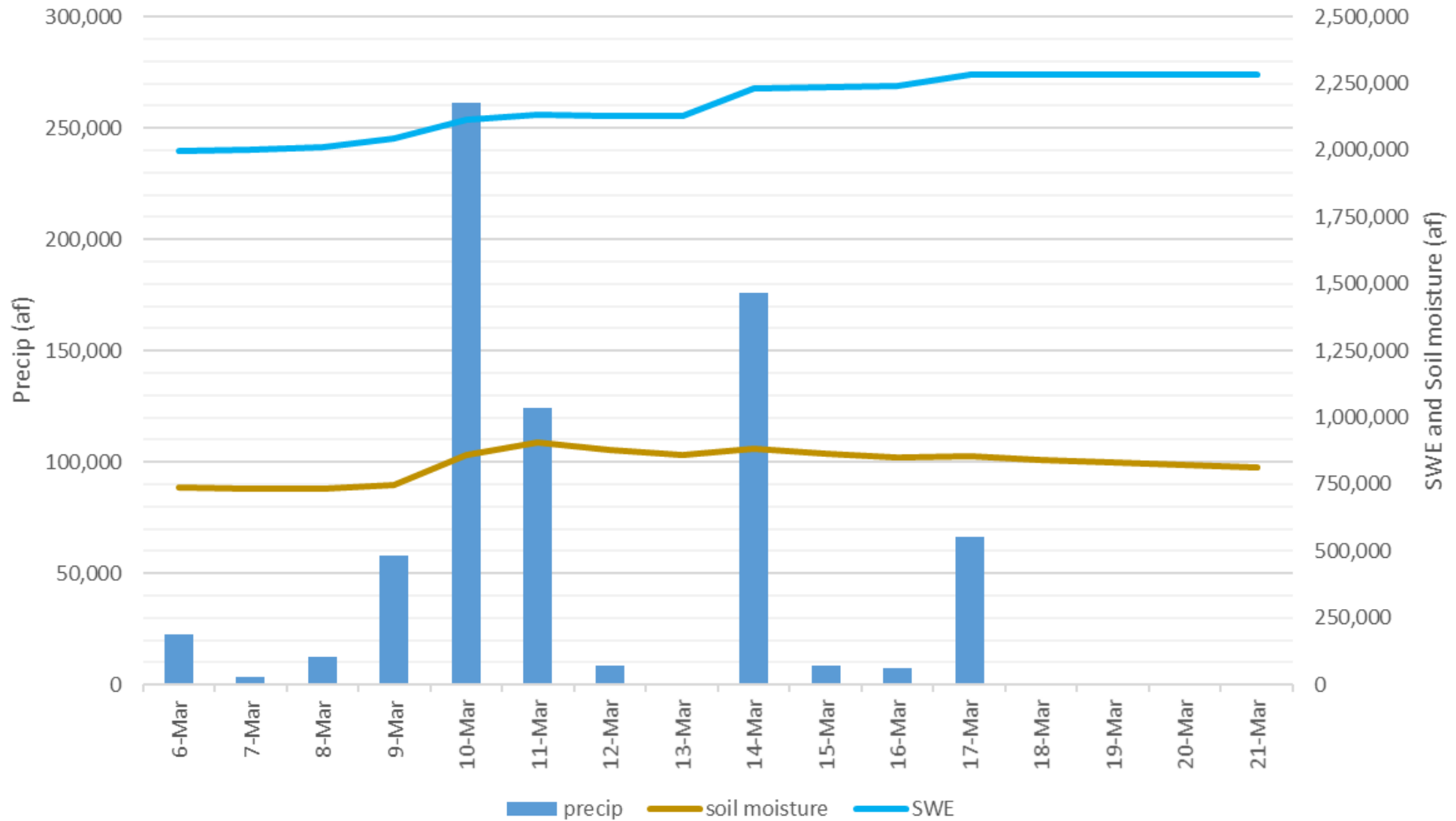
7-day WPC Precipitation Total: 121.27 mm (4.77 in); 70.3% Rain, 16.1% Uncertain, 13.6% Snow



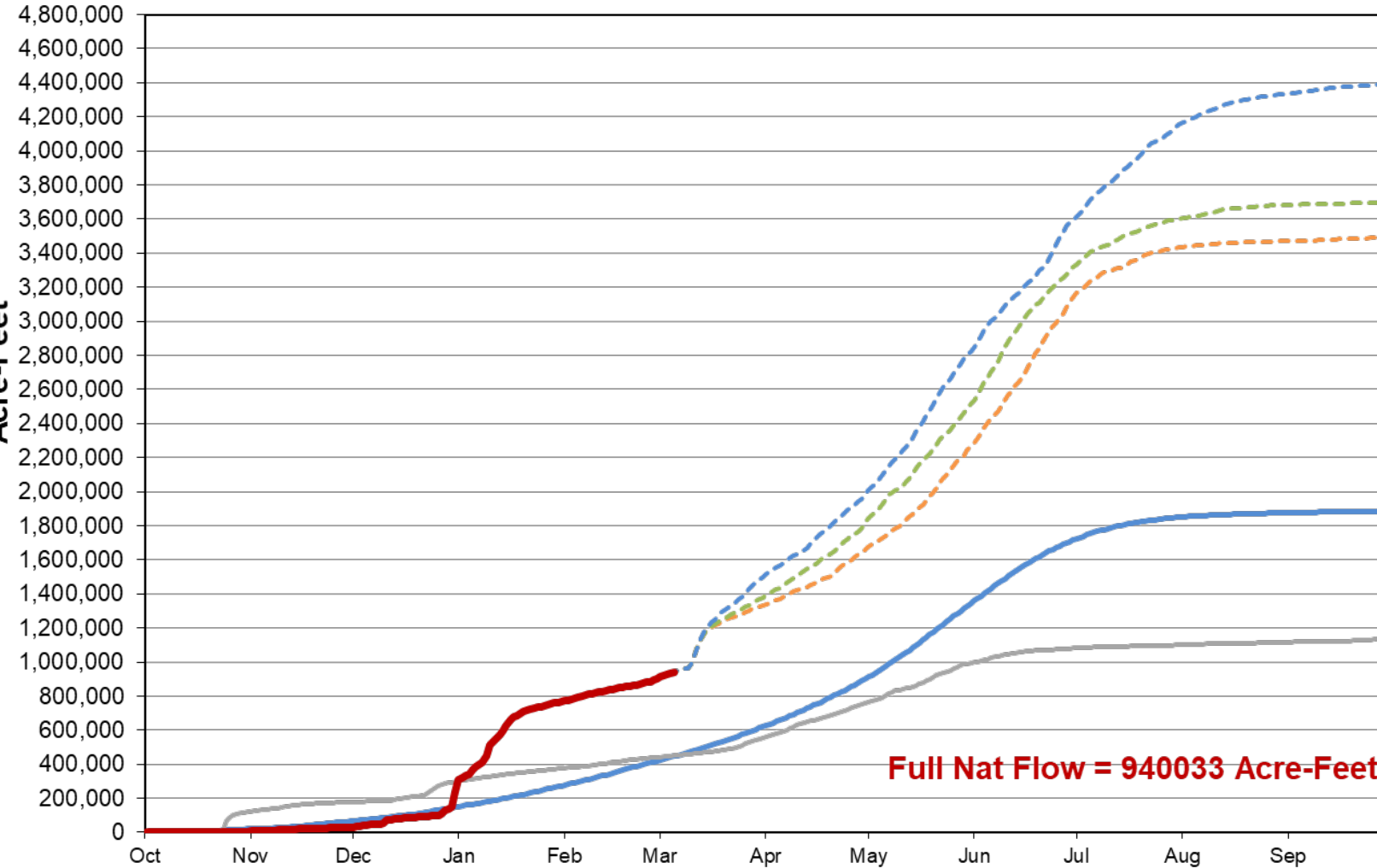
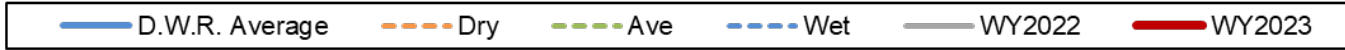
Upper Tuolumne Hypsometry



TID HFAM Forecasted Watershed Conditions



Accumulated Full Natural Flow w/ 5 day forecast



Full Nat Flow = 940033 Acre-Feet

Wet

WY: 4,391,024 af
WY %: 230%
Rainfall: 18.4 in

Ave

WY: 3,697,742 af
WY %: 194%
Rainfall: 7.7 in

Dry

WY: 3,489,619 af
WY %: 183%
Rainfall: 4.2 in

DON PEDRO STORAGE w/ 5 Day Forecast

