

YBUS Status Update

3/8/2016

J.R. Bureau

Current Status

Weather and River Forecasts

Another storm is due in Thurs (top panel in figure 1) which is forecast to raise stages at the Fremont Weir to ~33' on Sun. with an unknown peak occurring sometime later in the weekend. Based on this latest forecast, it looks like the Fremont Weir will overtop Sunday Mar 13. Peak flows in the Yolo Bypass at I5 (CDEC station CCY) are forecast to be 4k+ cfs late Friday night. Another storm is now forecast in the Mar 14-16 (figure 3), with precip mostly as snow in the Sierras. The 14 day forecast average precip (figure 3) is showing a weakening probability of another large storm set, so the 3/14/16 storm could be our last shot.

Equipment

All of the gear associated with this study has been deployed and the real time flow and telemetry gear is fully operational.

Recommendations

I recommend we release at I5 (predicted peak of ~4k+ cfs) on Friday evening, then consider conducting a Phase 2 release on Sunday/Monday depending on how much water we expect to go into the Yolo Bypass and when. If this is even physically possible for Marty's team.

Figures

SACTO R AT FREMONT WEIR (CREST 33.5') (FRE)

Elevation: 40' · SACRAMENTO R basin · Operator: CA Dept of Water Resources/NCRO

Datum 0 = 0.00' USED

River Stage Definitions: Monitor stage 33.5' Flood stage 40.8' Danger stage 41.8'
Peak Stage of Record 42.5' on 01/02/1997

Warning: Levels identified as "guidance" have significant uncertainty

due to future weather and/or reservoir regulation and are provided for planning purposes only.

Be sure to reload this page for up-to-date information. [[<< Previous](#)] [Forecast Point](#) [[Next >>](#)]

Lower Sacramento river forecast bulletin.

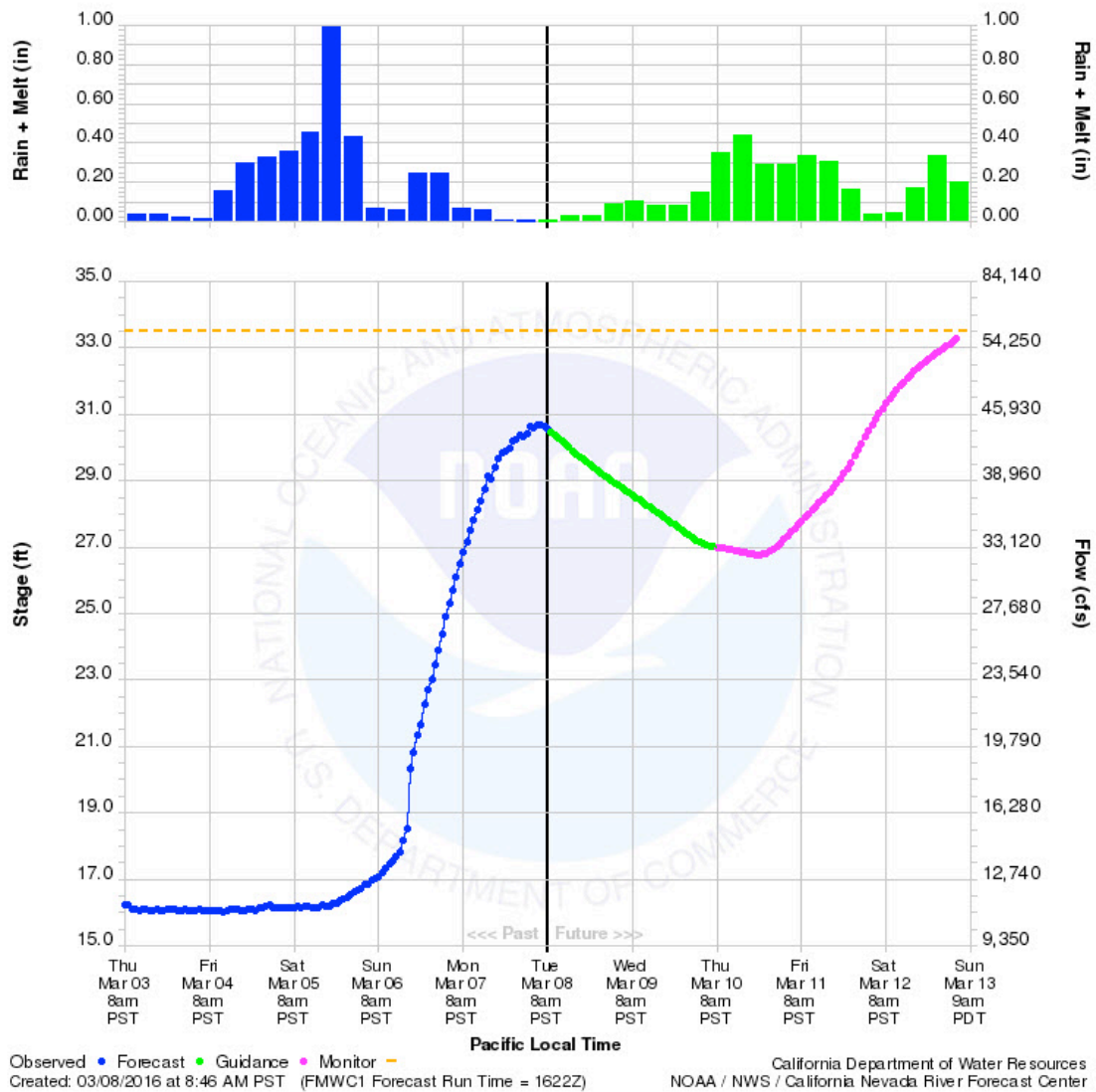


Figure 1 – Stage forecast at the Fremont Weir (Mar 8 8:46am PST forecast).

CACHE CREEK AT YOLO (CCY)

Elevation: 86' · CACHE CR basin · Operator: US Geological Survey

Datum 0 = 0.00' NGVD

River Stage Definitions: Monitor stage 75.0' Flood stage 81.0' Danger stage 82.1'
Peak Stage of Record 86.4' on 03/10/1904

Warning: Levels identified as "guidance" have significant uncertainty

due to future weather and/or reservoir regulation and are provided for planning purposes only.

Be sure to reload this page for up-to-date information. [[<< Previous](#)] [Forecast Point](#) [[Next >>](#)]

Lower Sacramento river forecast bulletin.

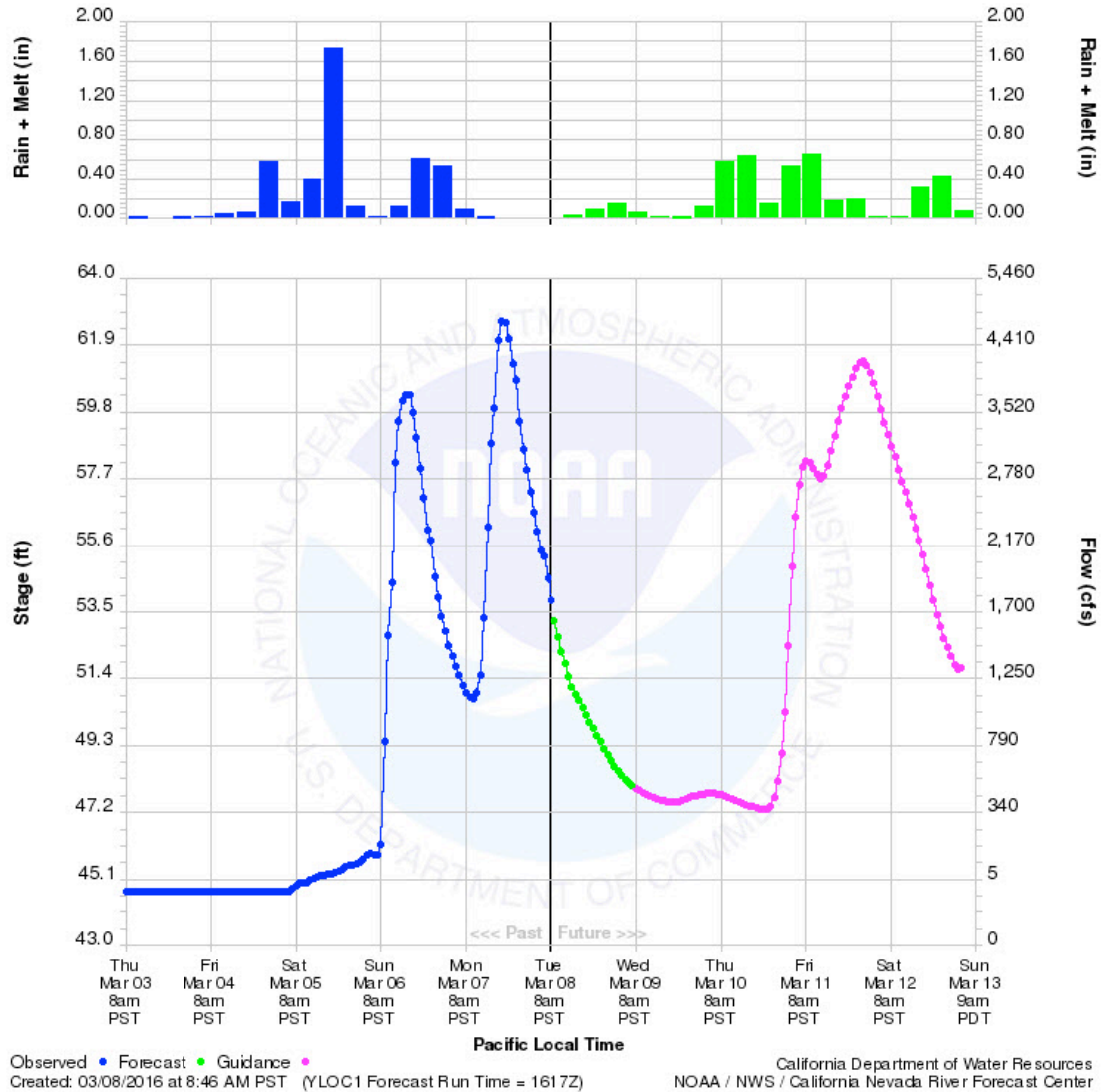


Figure 2 - Stage forecast at the Cache Creek at Yolo (Mar 5 8:46am PST forecast).

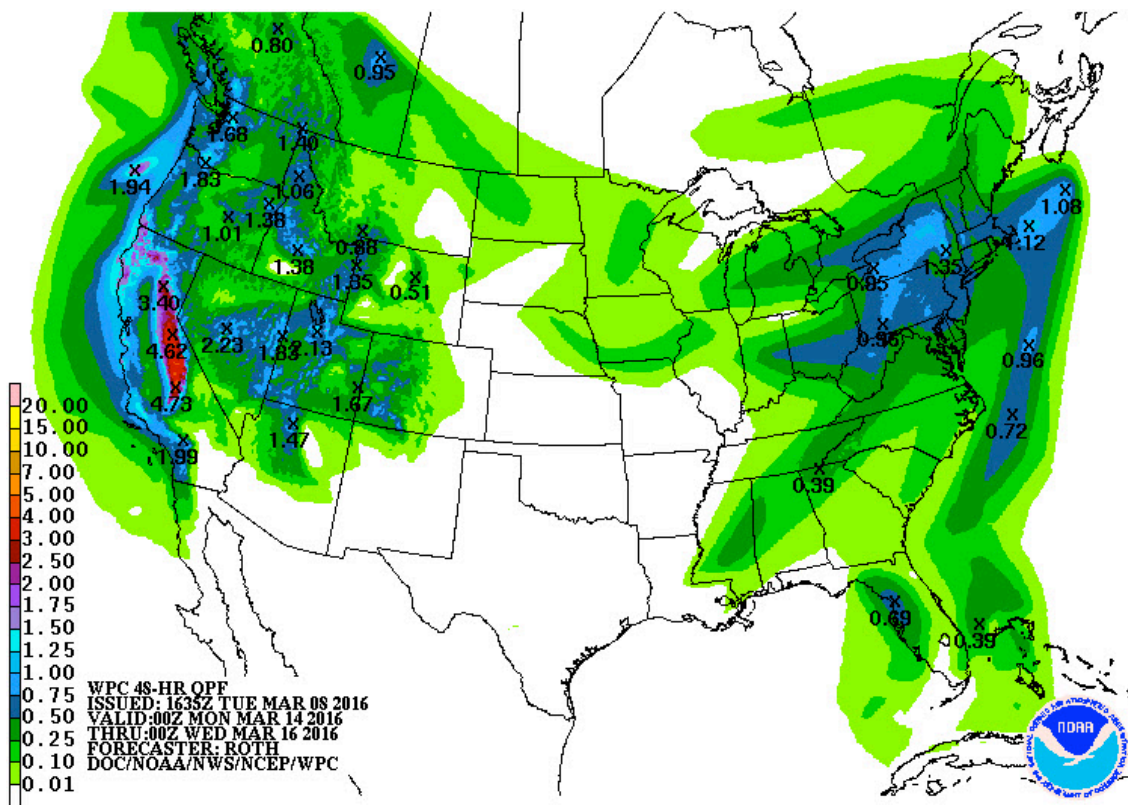


Figure 3 – 5-7 day forecast cumulative precipitation Mar. 14-16, 2016.

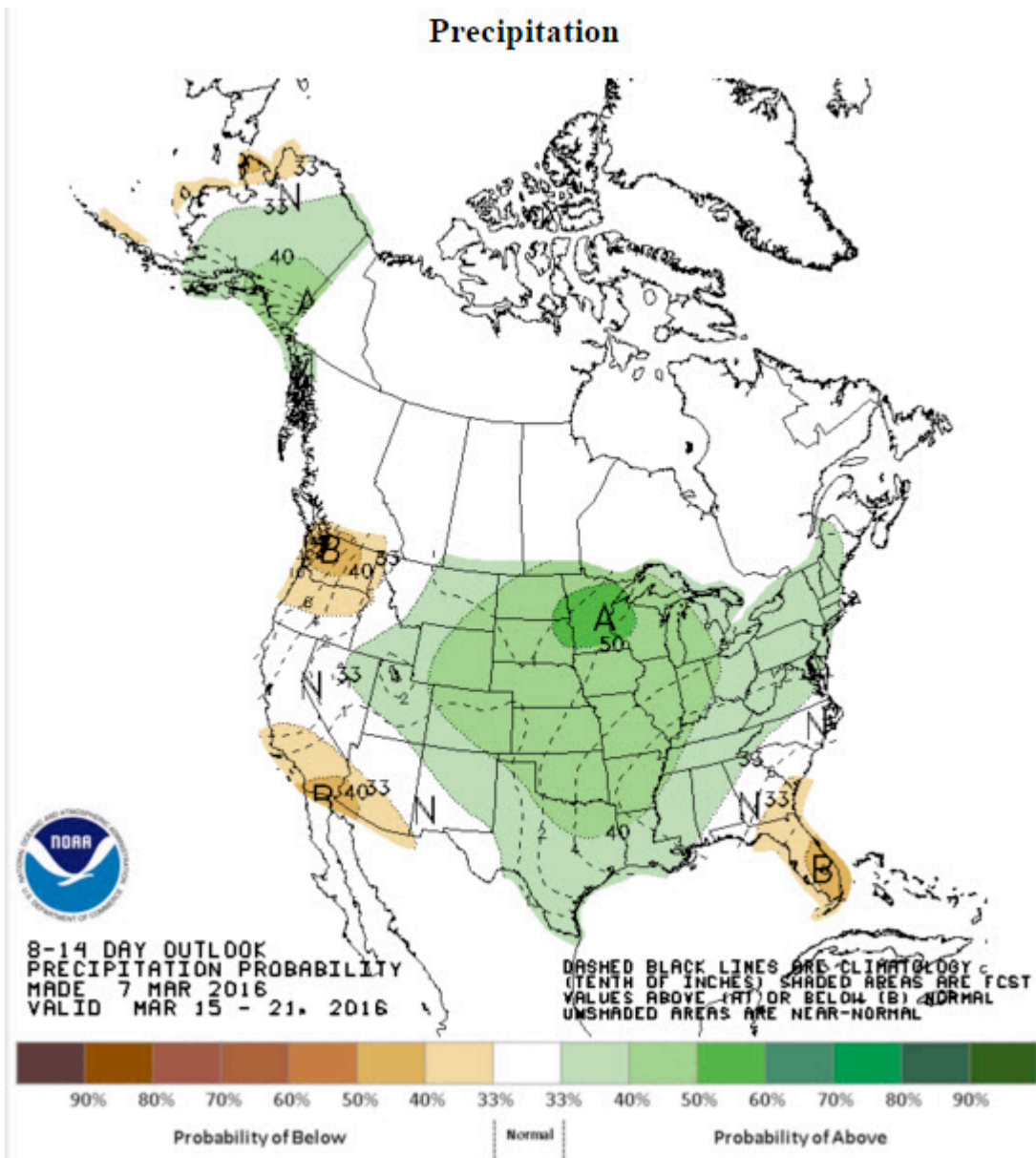


Figure 4 – 14 Day precipitation forecast – Mar 15-21, 2016.