Water Resources

Operating Board Briefing

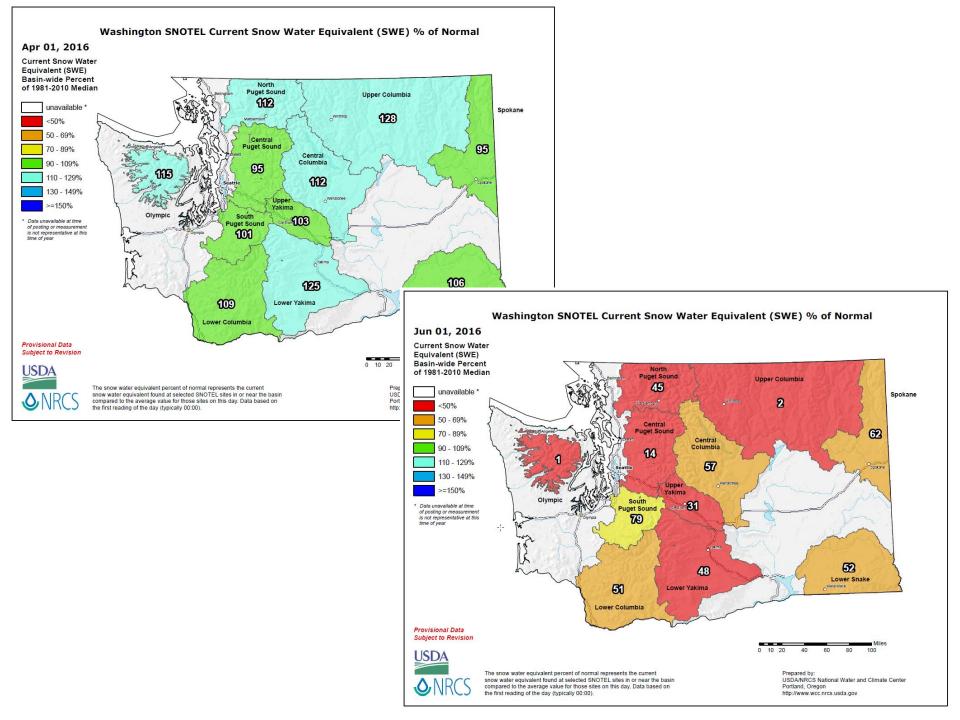
June 2, 2016

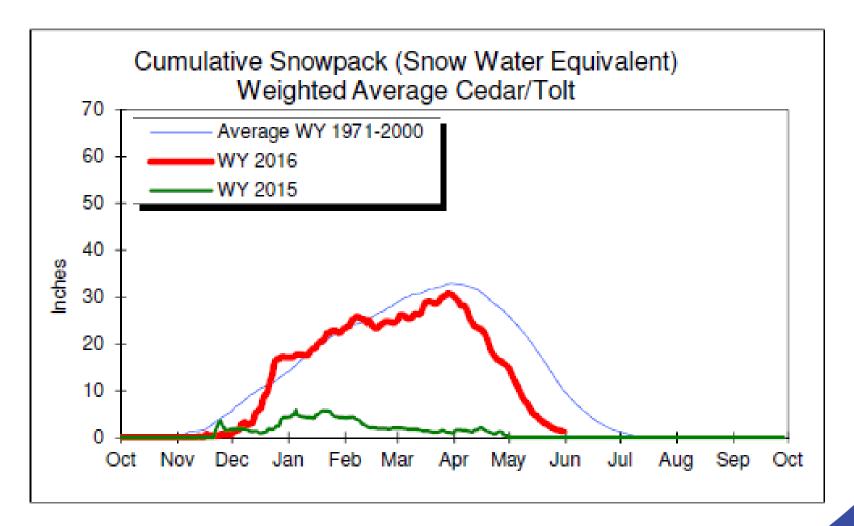


Water Supply Outlook

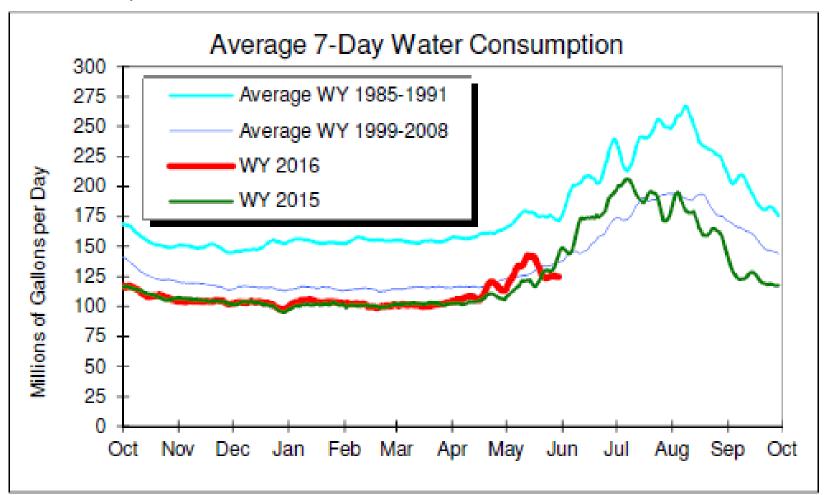
- Current water supply outlook is good
- Snow melt occurred earlier than normal with record hot weather
- Precipitation in April and May is below normal
- Cedar & Tolt flows are being held slightly above guaranteed flows providing full protection for incubating salmon and steelhead



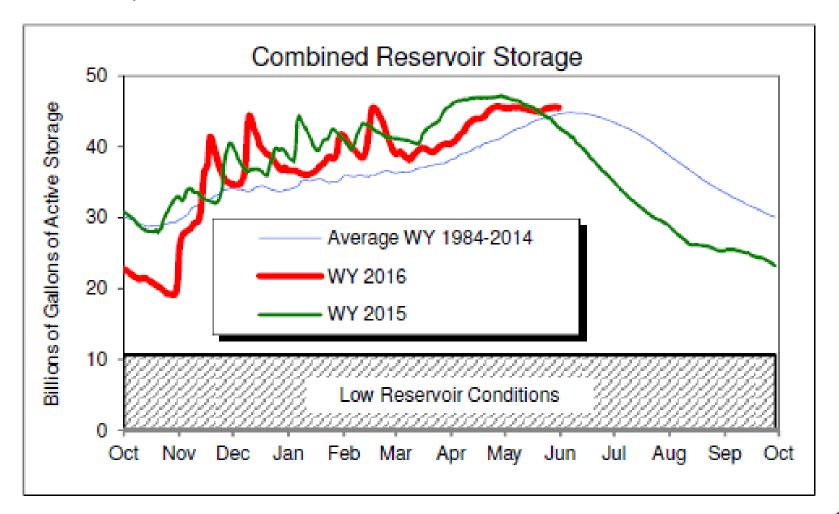




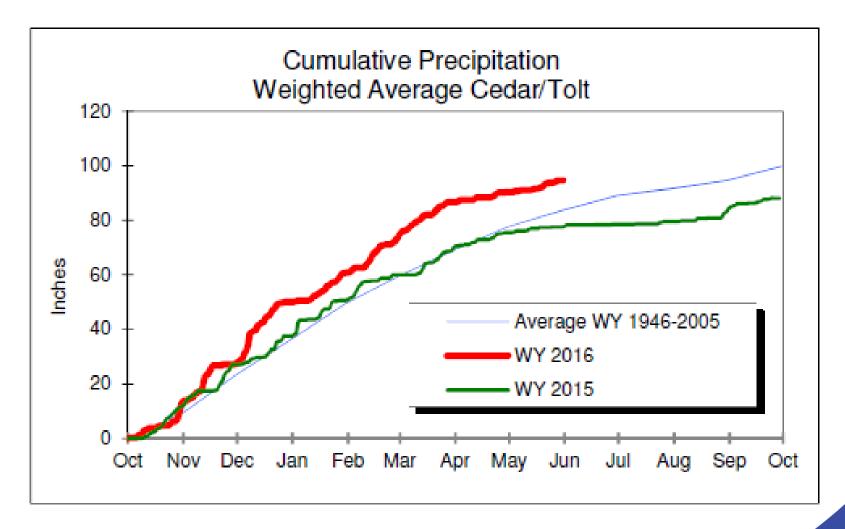










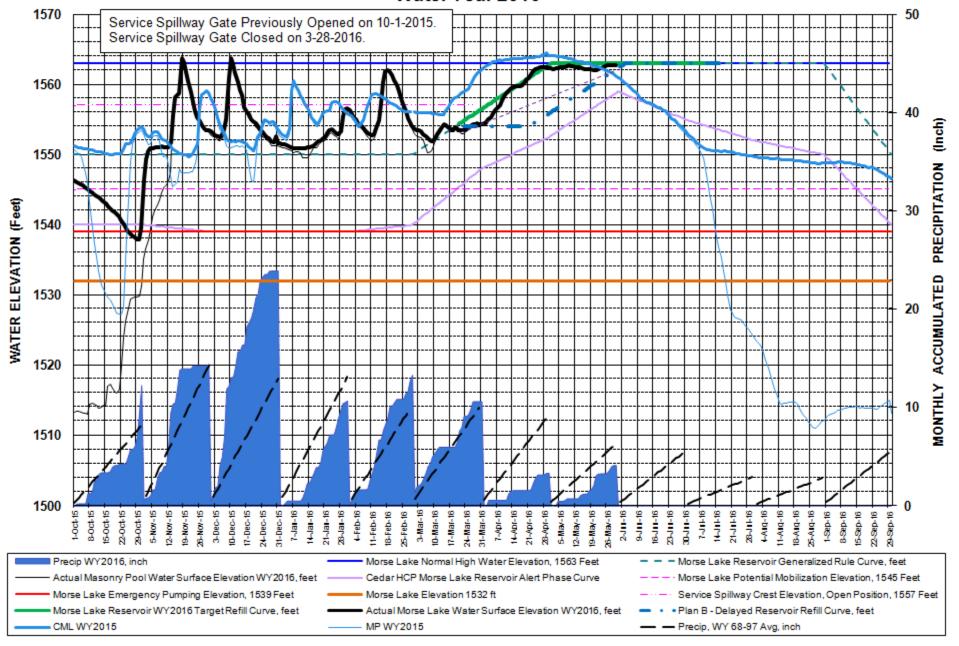


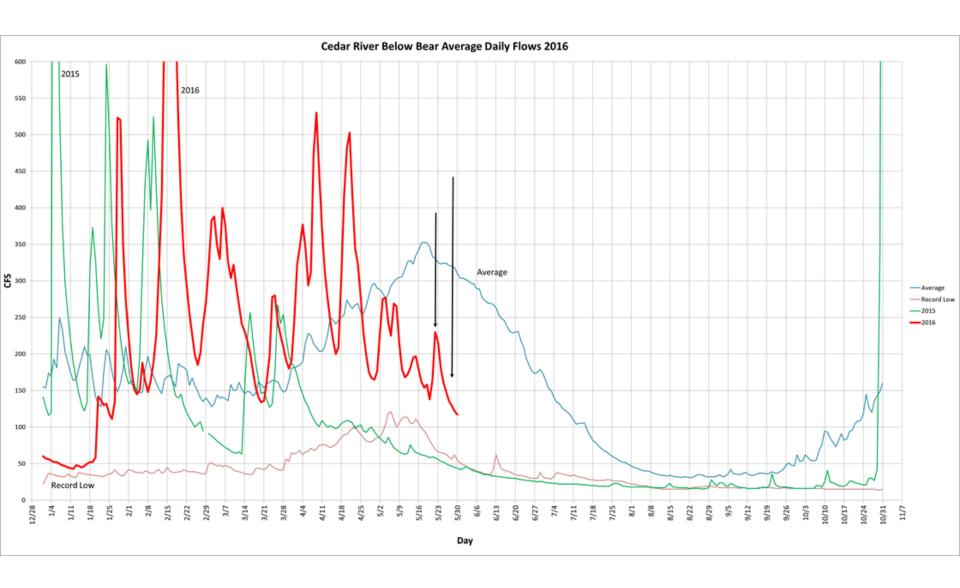


Last update May 30, 2016

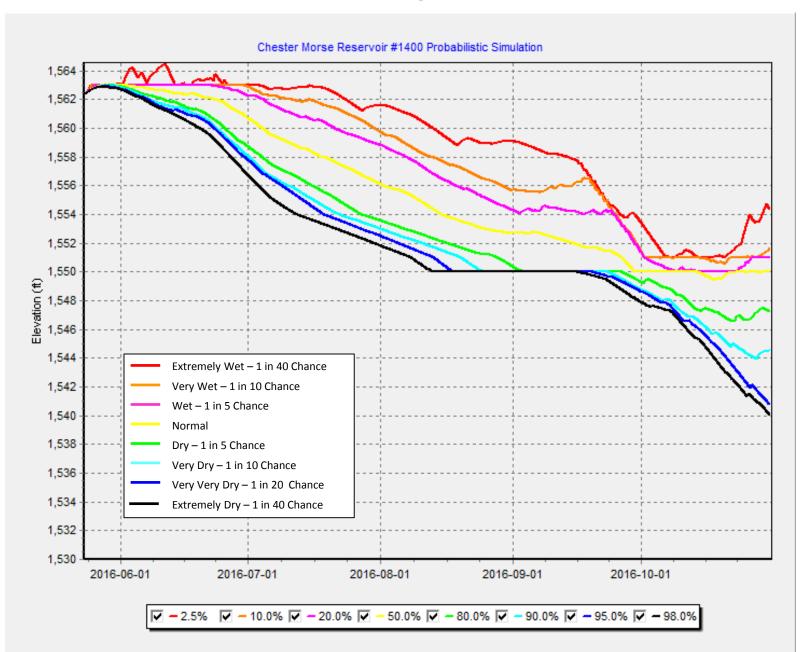
CEDAR RIVER AT RESERVOIR

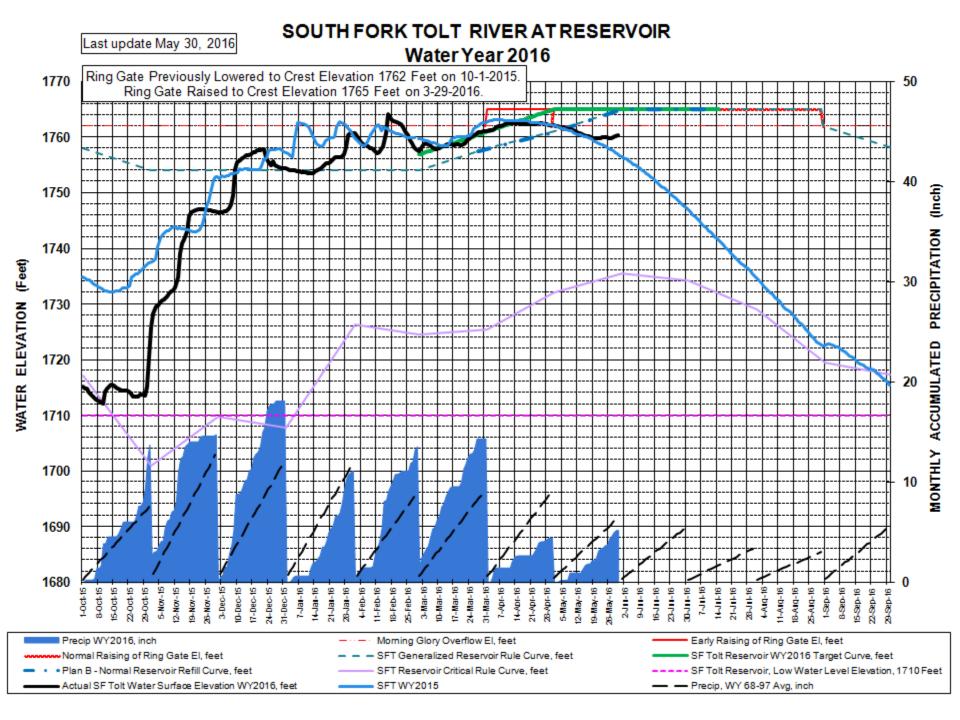
Water Year 2016

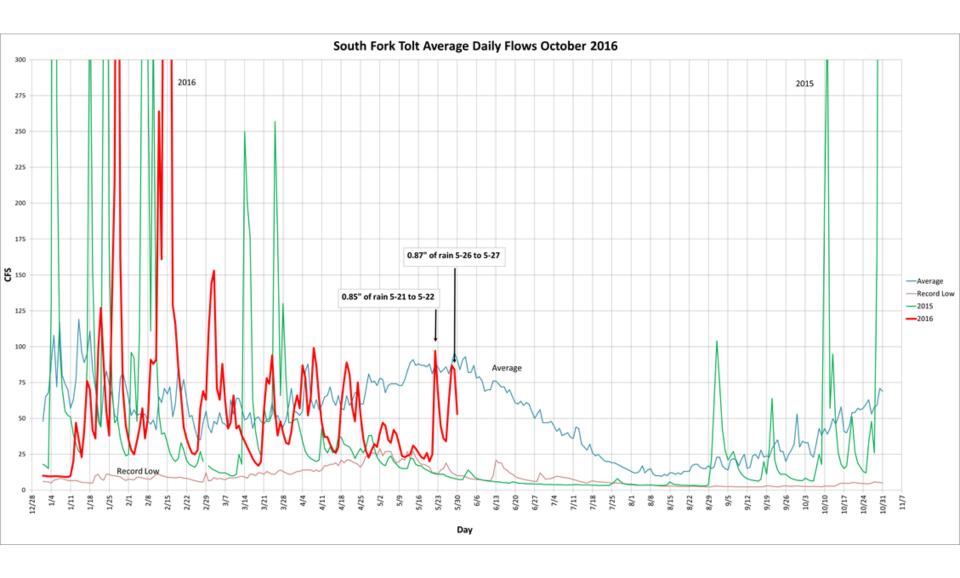




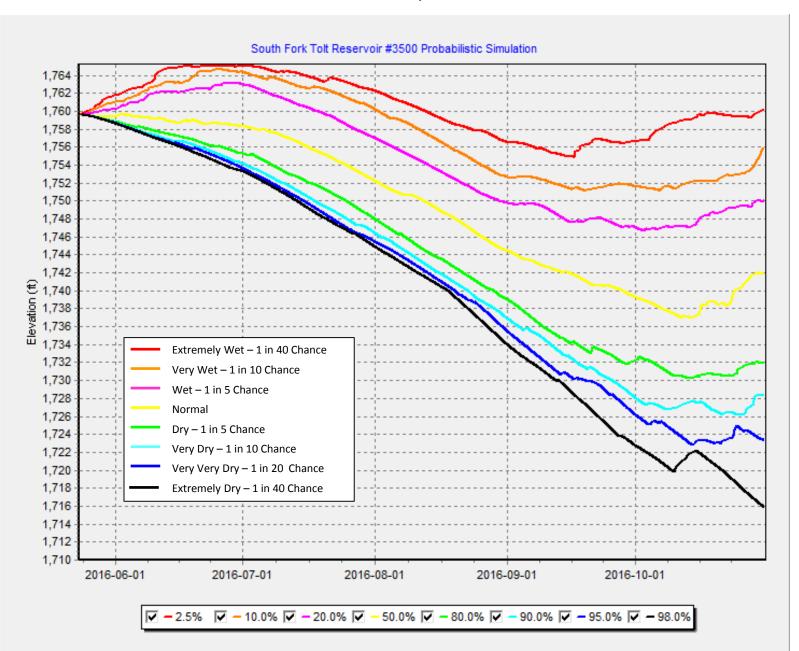
HFAM Run 5-24-16, Cedar R., High Fall Flows and Firm Block







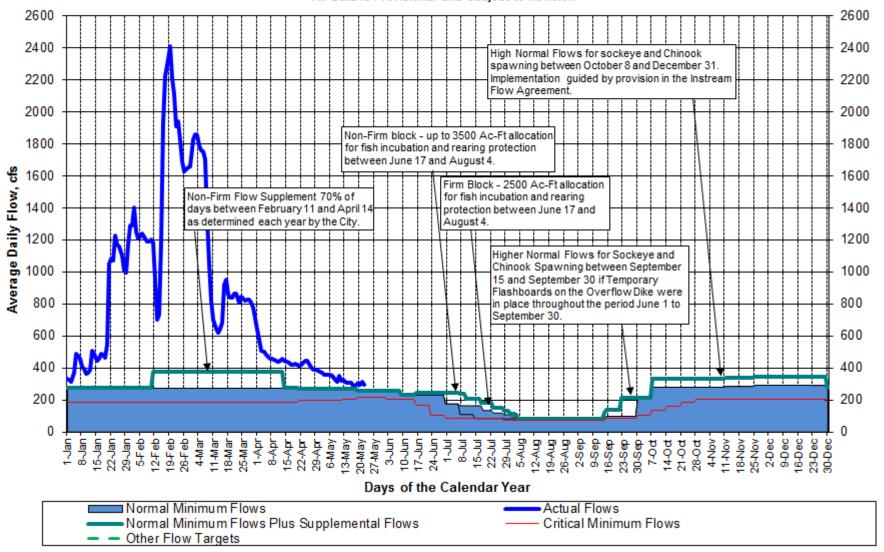
HFAM Run 5-24-16, SF Tolt River



Last Update: 05/22/2016

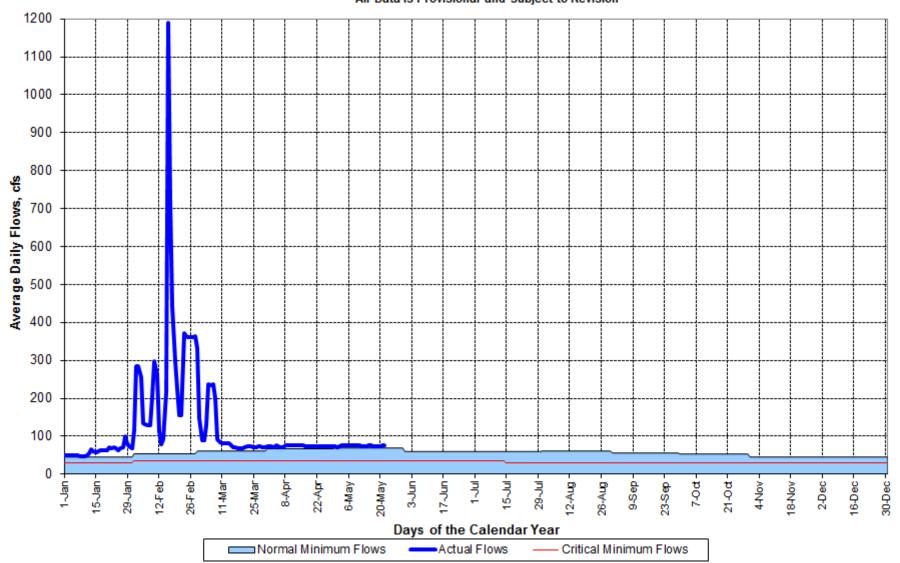
Calendar Year 2016 Cedar River Instream Flows Measured at USGS Stream Gage No. 12117600

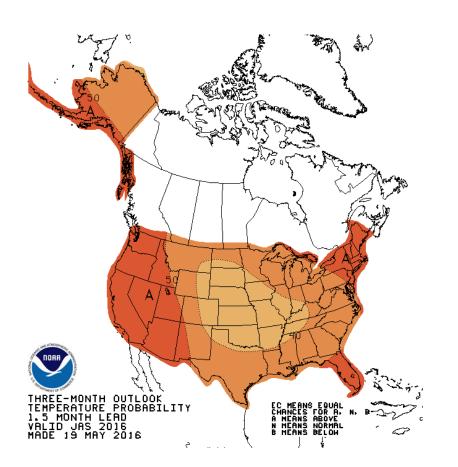
All Data is Provisional and Subject to Revision

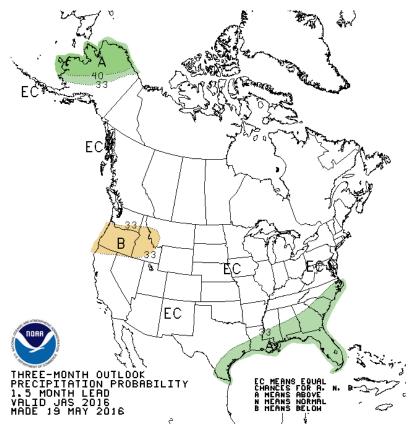


Last Updated: 5/22/2016

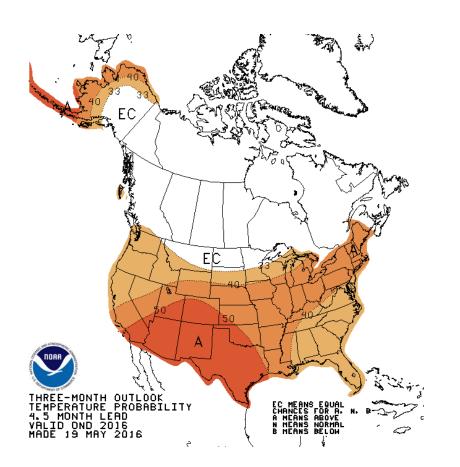
Calendar Year 2016 South Fork Tolt River Instream Flows Measured at USGS Stream Gage No. 12148000 All Data is Provisional and Subject to Revision

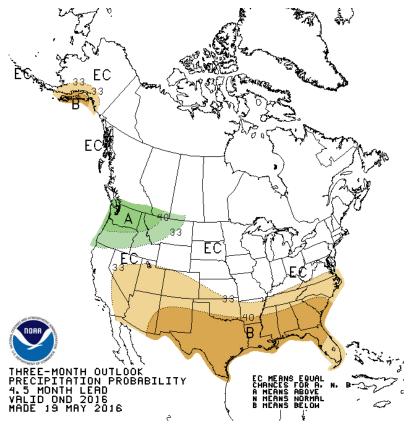






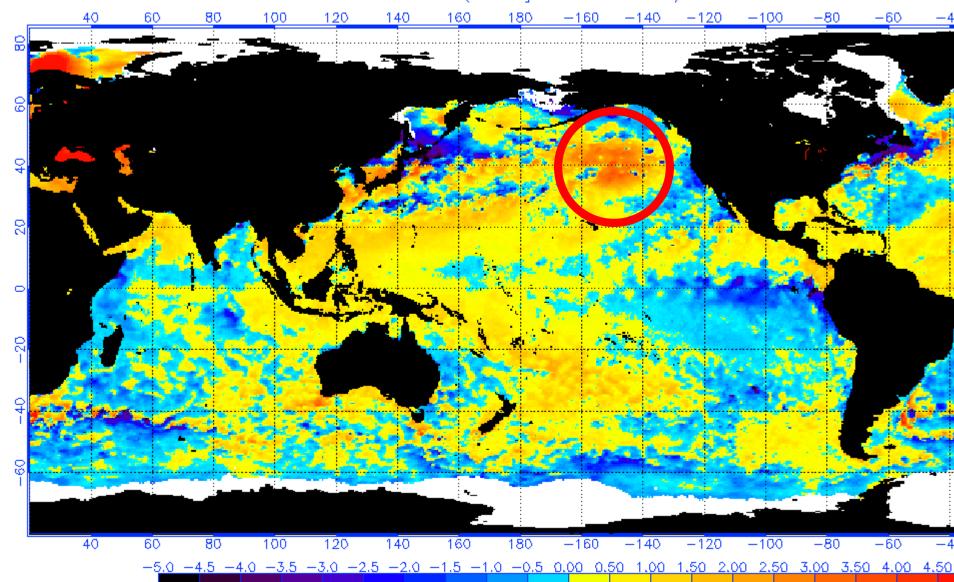




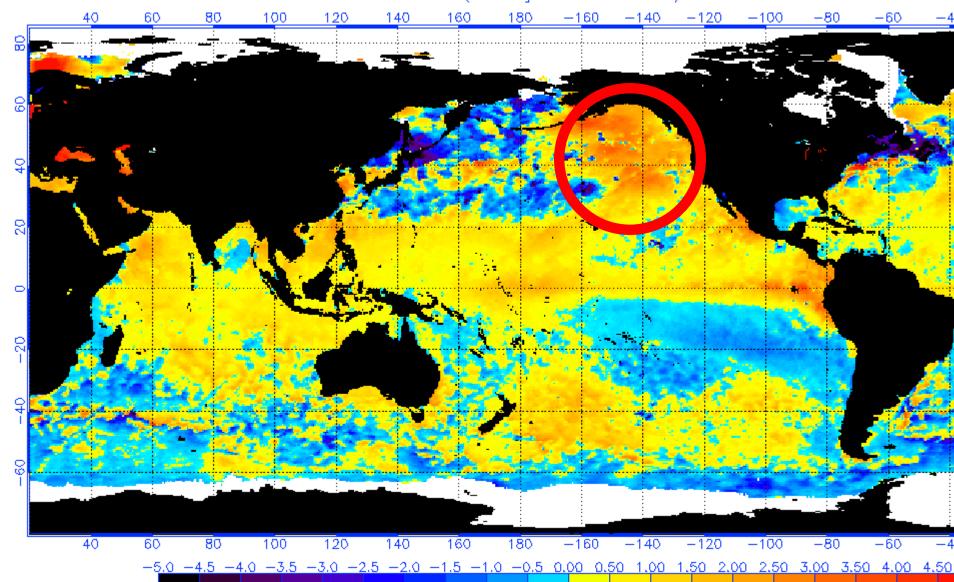




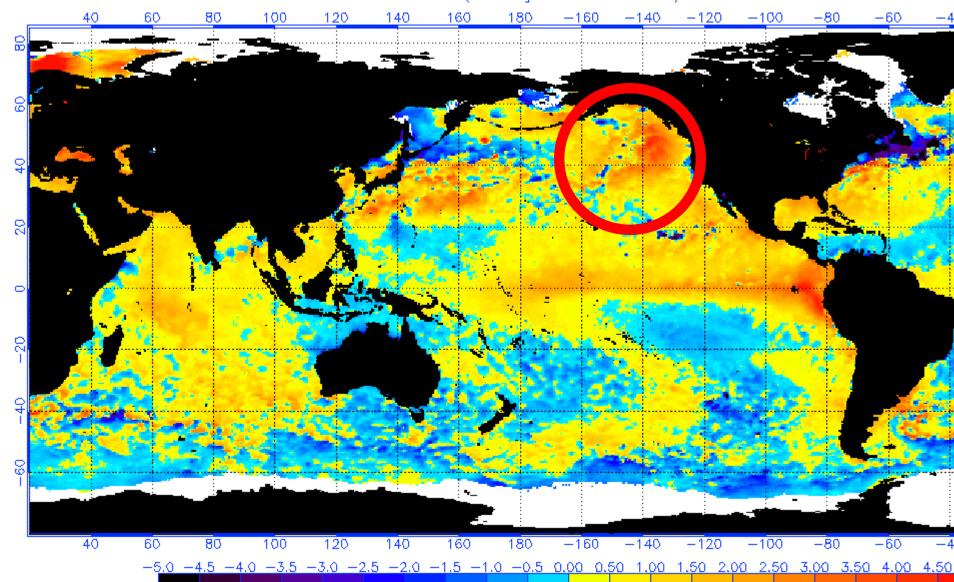
NOAA/NESDIS 50 KM GLOBAL ANALYSIS: SST Anomaly (degrees C), 5/27/20 (white regions indicate sea-ice)



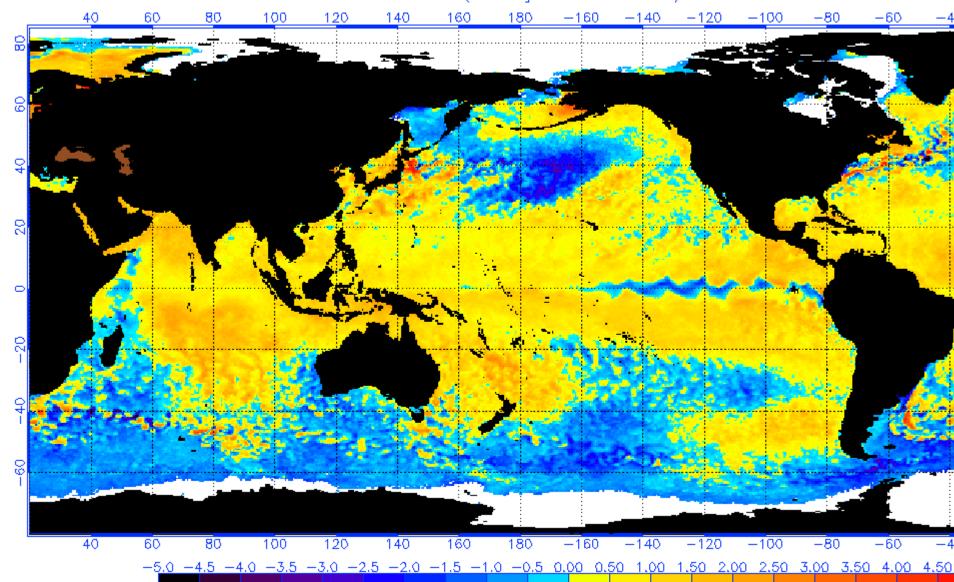
NOAA/NESDIS 50 KM GLOBAL ANALYSIS: SST Anomaly (degrees C), 5/26/20 (white regions indicate sea-ice)



NOAA/NESDIS 50 KM GLOBAL ANALYSIS: SST Anomaly (degrees C), 5/25/20 (white regions indicate sea-ice)



NOAA/NESDIS 50 KM GLOBAL ANALYSIS: SST Anomaly (degrees C), 5/26/20 (white regions indicate sea-ice)



Current supply plan

- Monitor supply closely
- Capture additional spring rainfall and snowmelt runoff in reservoirs
- Push more Cedar water ~ 70% Cedar and 30% Tolt
- Not offer the 3,500 acre feet non firm block on Cedar to IFC if not needed for steelhead redds
- Cut Cedar Falls power generation flow to zero if we can maintain guaranteed flows with minimal release at Masonry Dam, seepage, etc..

Other Tools:

- Forebay cleaning
- Wells



Questions?

