

Water Supply Conditions Update

Water Resources Business Area

October 18, 2012

Seattle's Water Supply Message

October 18, 2012

“Our overall water supply situation and outlook is good.”

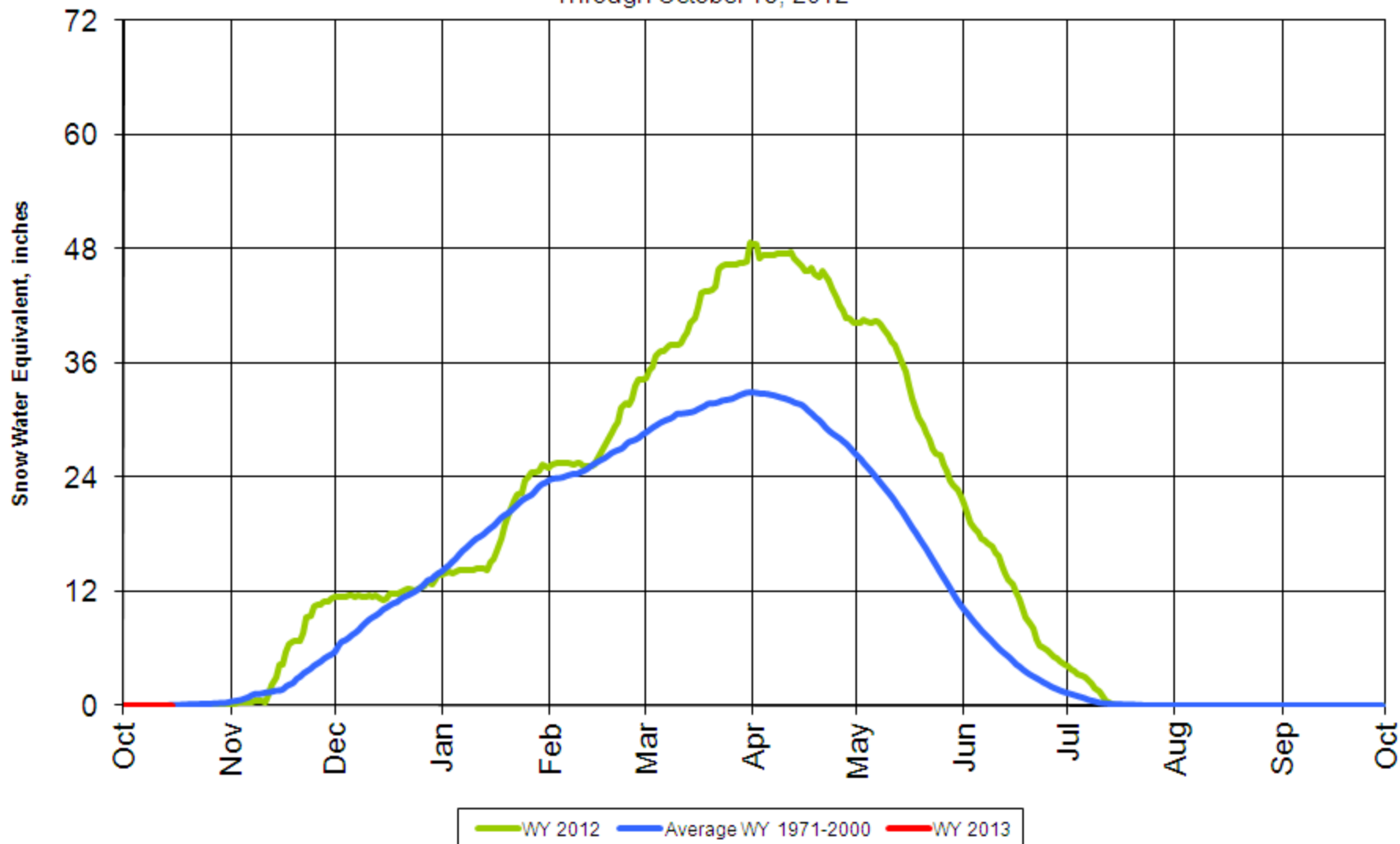
Seattle Water Supply Indicators		
Reservoir Storage	●	
Reservoir Inflows	●	
Snowpack	NA	
Customer Use	●	
Overall	●	
● Good ● Fair ● Poor For more information, visit www.savingwater.org		



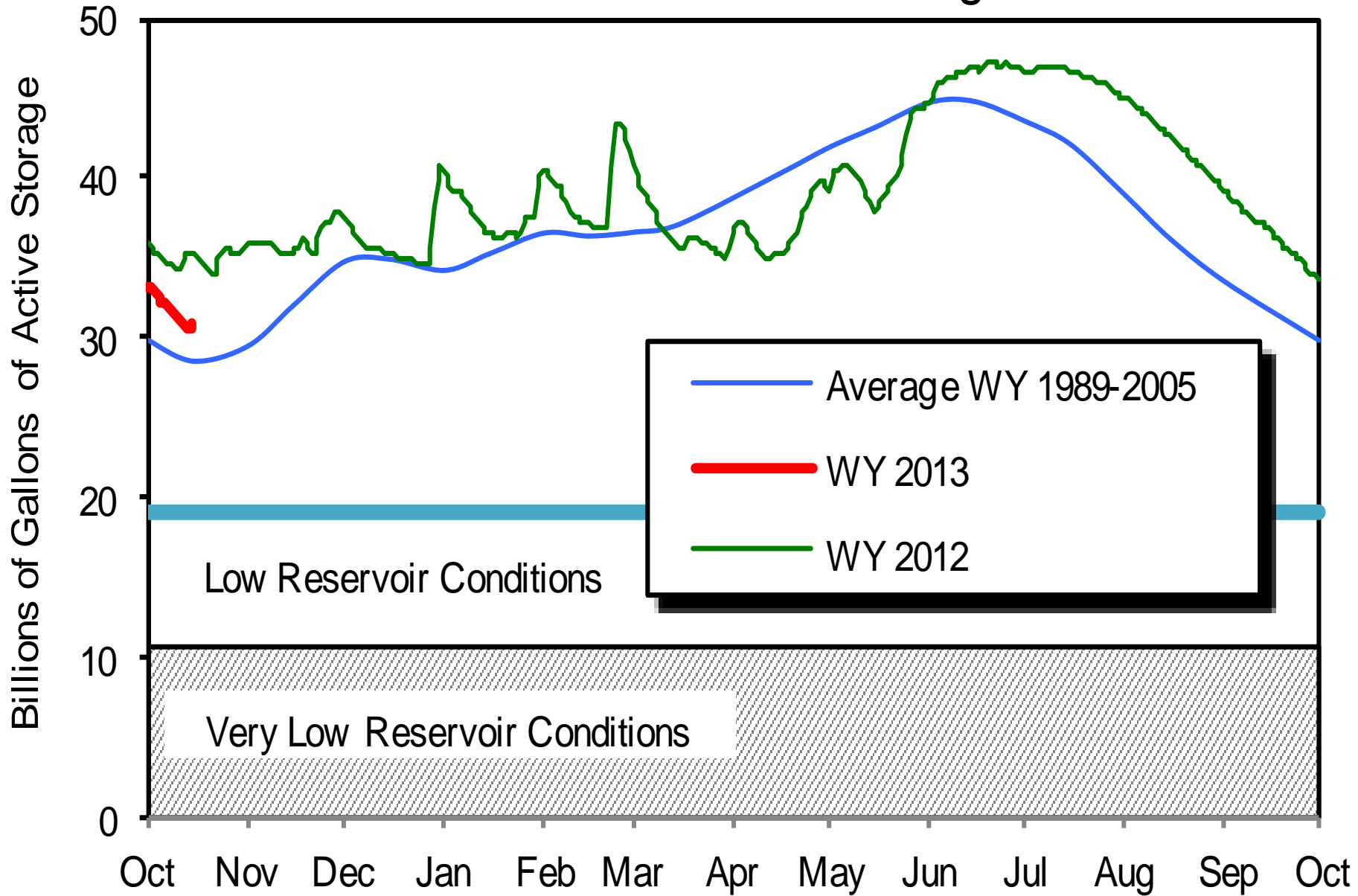
**Chester Morse Lake taken October 14, 2012
Photo Credit: Lloyd Buster**

Cumulative Snowpack Snow Water Equivalent Weighted Average Cedar/Tolt

Through October 15, 2012

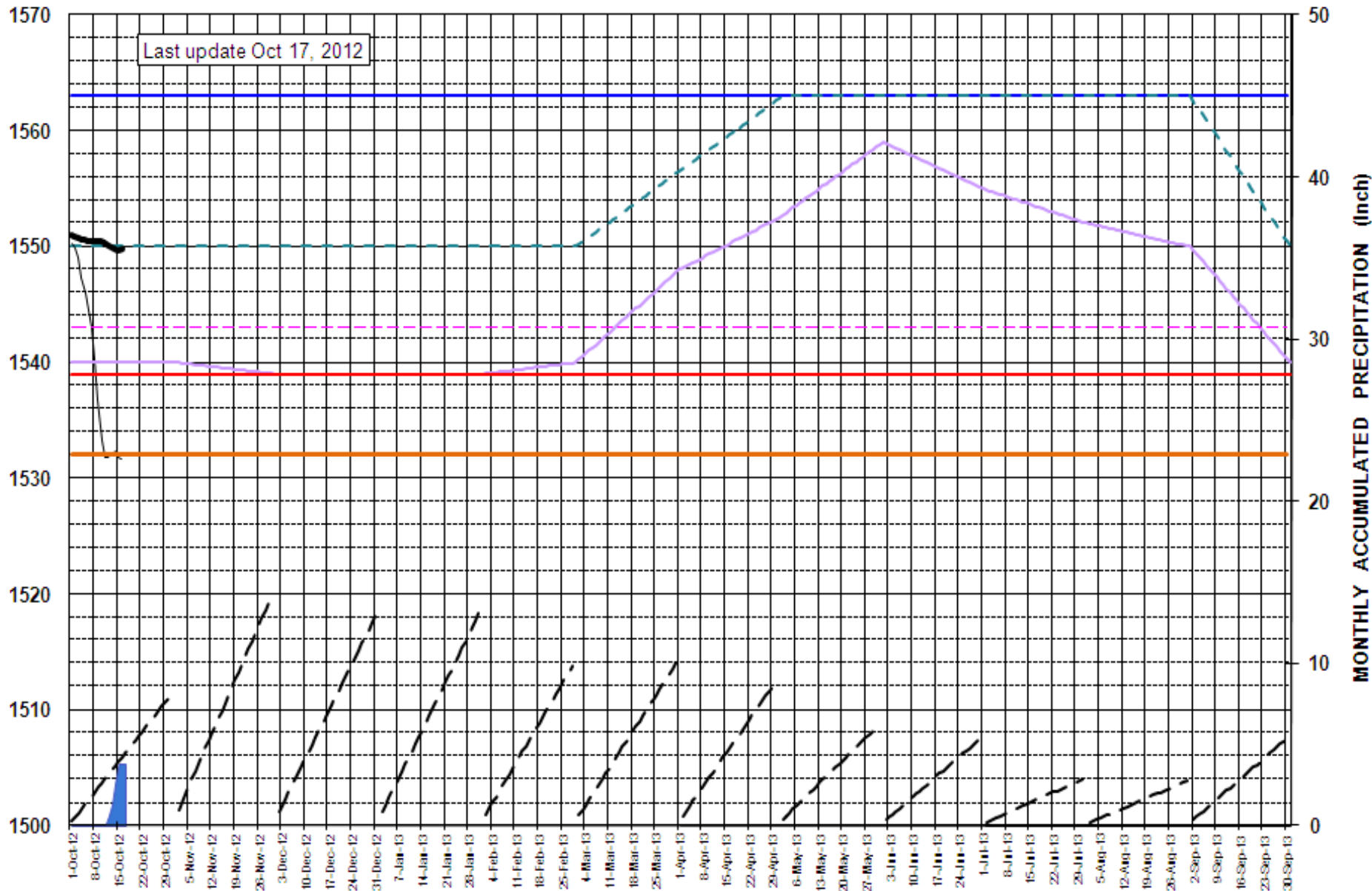


Combined Reservoir Storage



CEDAR RIVER AT RESERVOIR

Water Year 2013



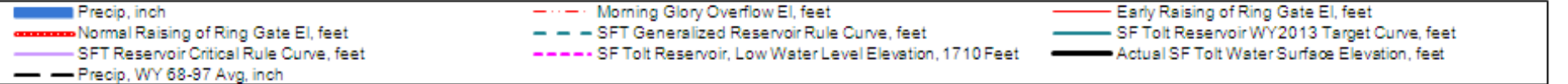
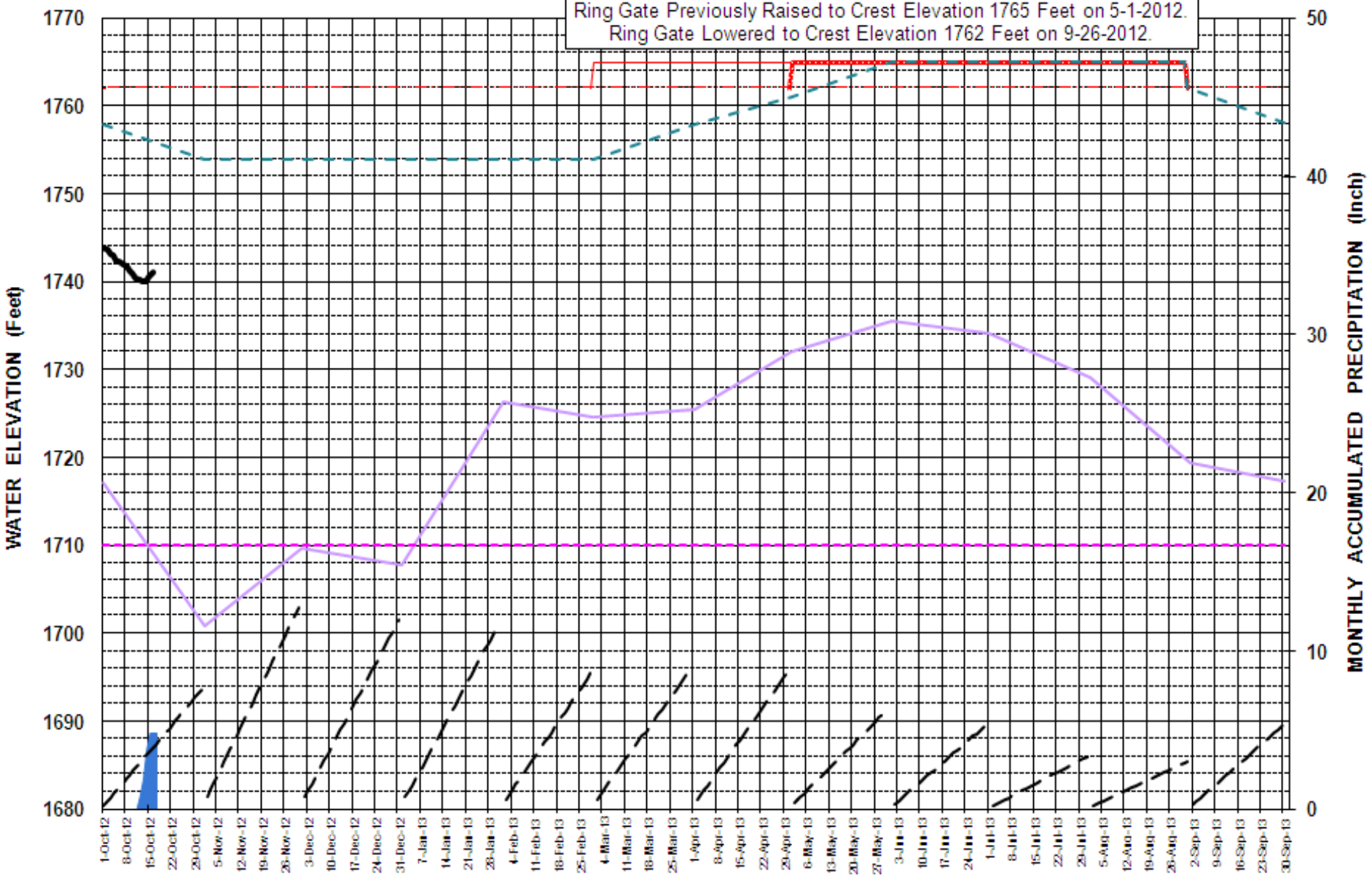
- Precip, inch
- Actual Masonry Pool Water Surface Elevation, feet
- Morse Lake Emergency Pumping Elevation, 1539 Feet
- Morse Lake Elevation 1532 ft
- Morse Lake Normal High Water Elevation, 1563 Feet
- Cedar HCP Morse Lake Reservoir Alert Phase Curve
- - Morse Lake Reservoir WY2013 Target Curve, feet
- - Precip, WY 68-97 Avg, inch
- - Morse Lake Reservoir Generalized Rule Curve, feet
- - Morse Lake Potential Mobilization Elevation, 1543 Feet
- Actual Morse Lake Water Surface Elevation, feet

SOUTH FORK TOLT RIVER AT RESERVOIR

Water Year 2013

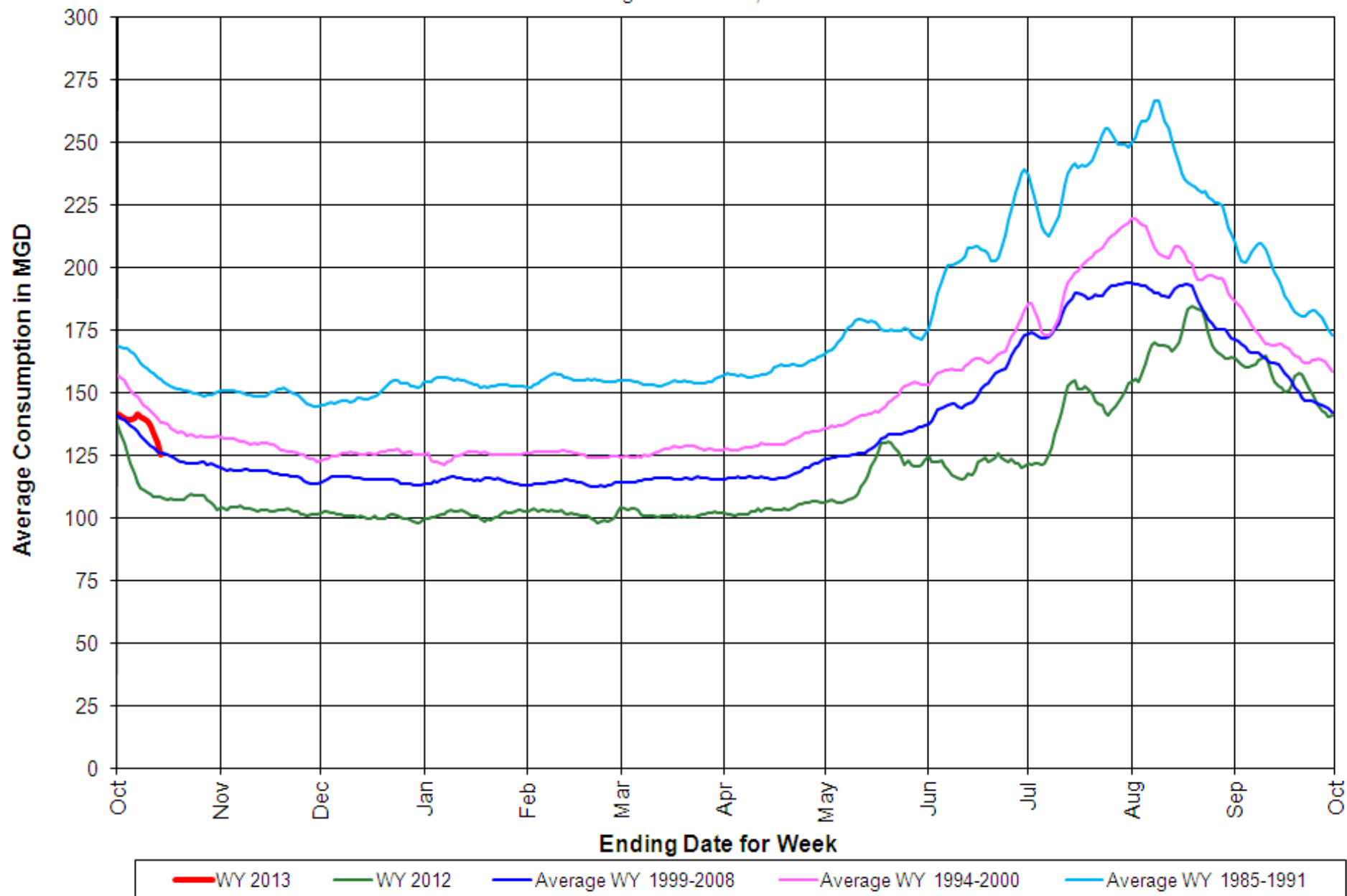
Last update Oct 17, 2012

Ring Gate Previously Raised to Crest Elevation 1765 Feet on 5-1-2012.
 Ring Gate Lowered to Crest Elevation 1762 Feet on 9-26-2012.



24-hr Consumption, 7-Day Moving Average

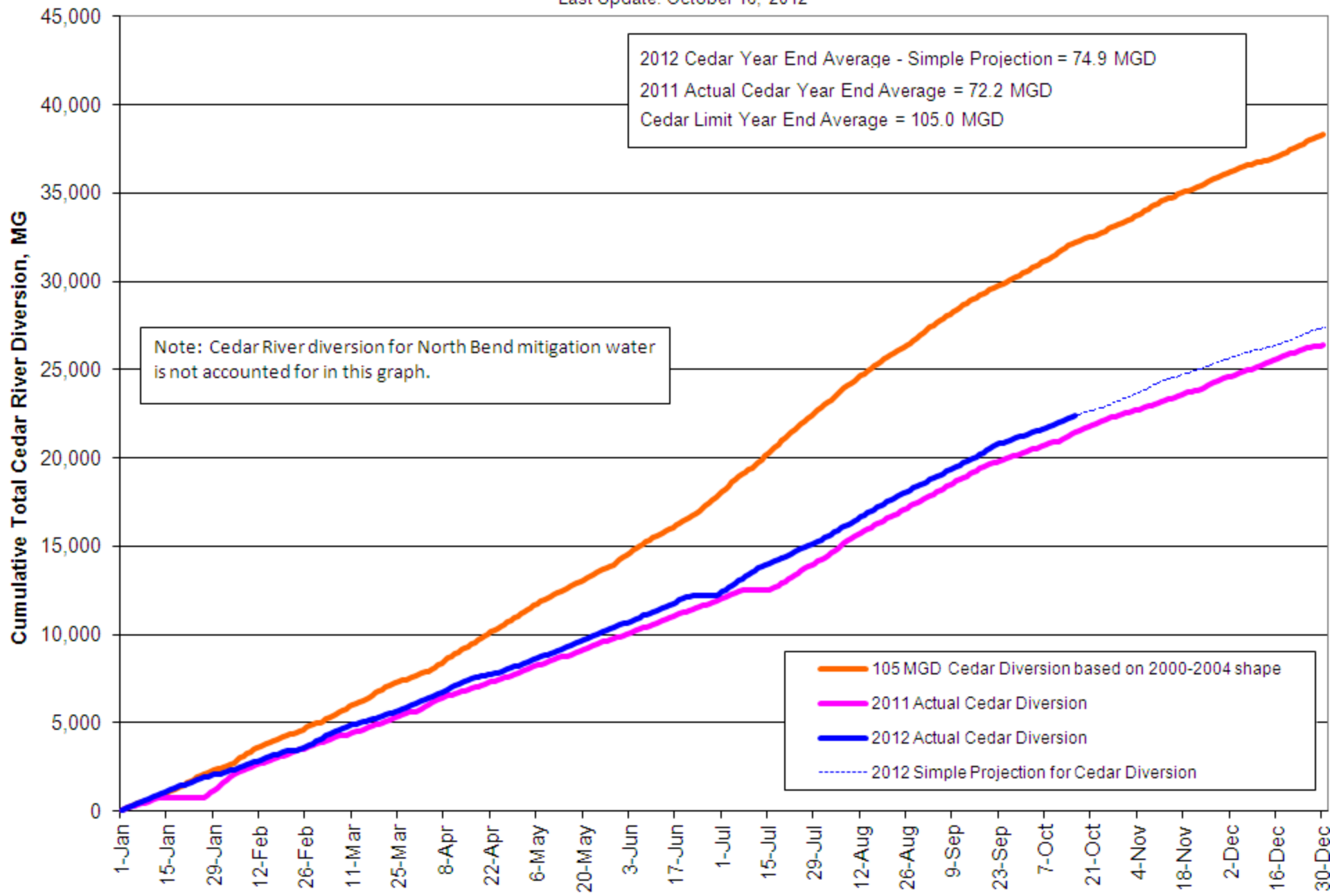
Through October 15, 2012



Notes: A. 7-day moving average is calculated using data from the day of and the previous 6 days.
All Data is Provisional and Subject to Change

Cumulative Total Cedar River Diversion at Landsburg Calendar Year 2012 Monitoring and Tracking Graph

Last Update: October 16, 2012

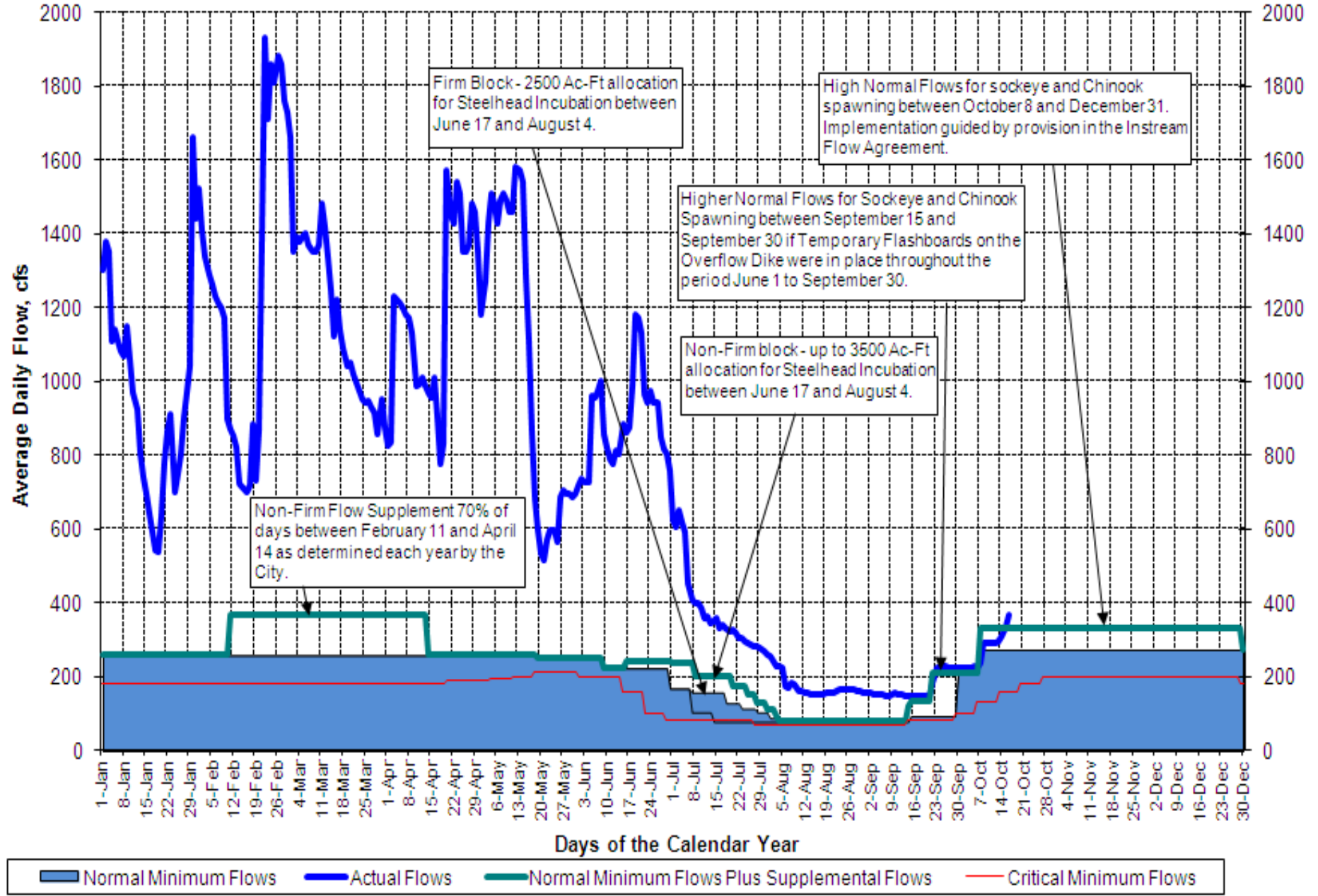


Last Update: 10-16-2012

Calendar Year 2012

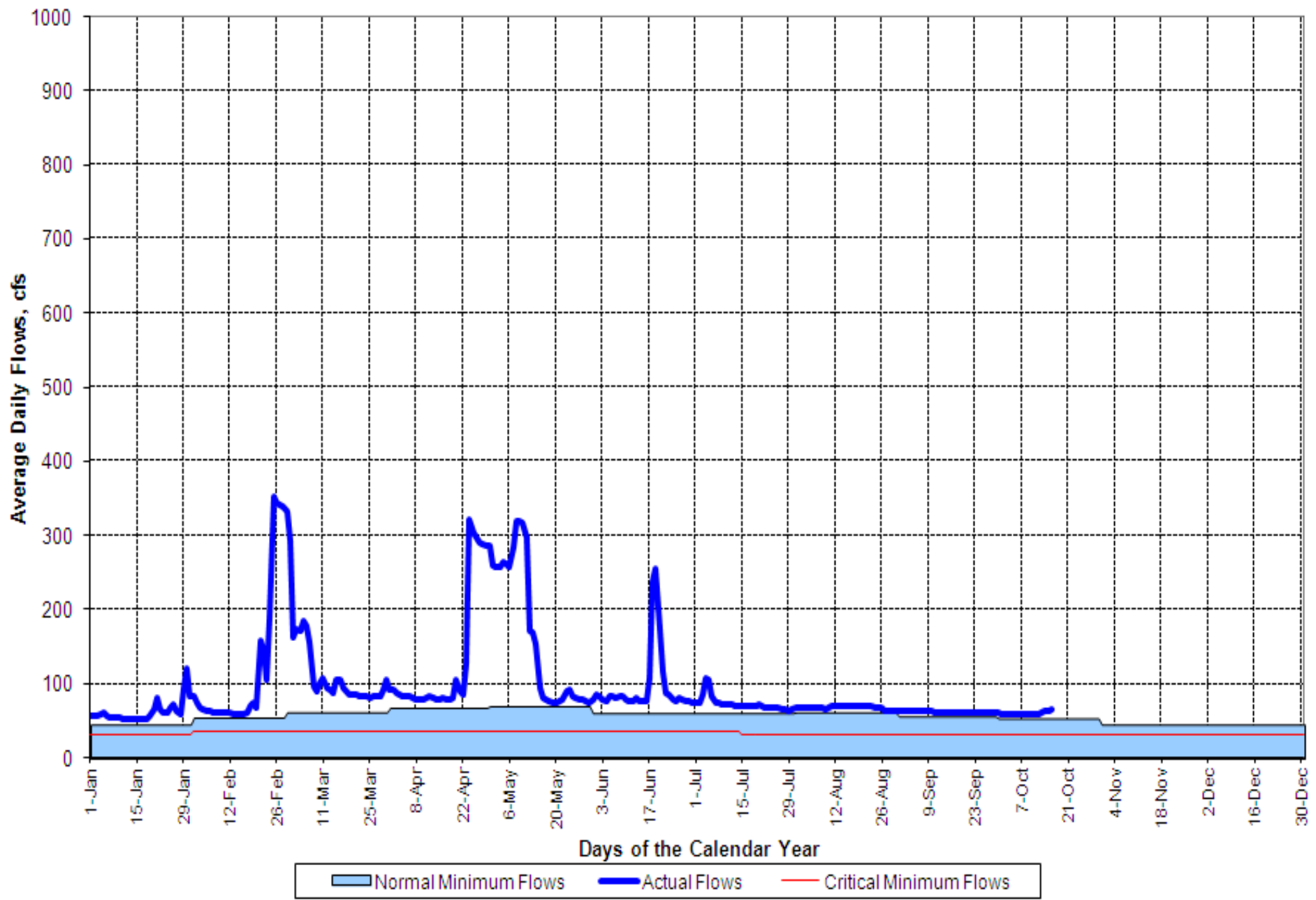
Cedar River Instream Flows Measured at USGS Stream Gage No. 12117600

All Data is Provisional and Subject to Revision



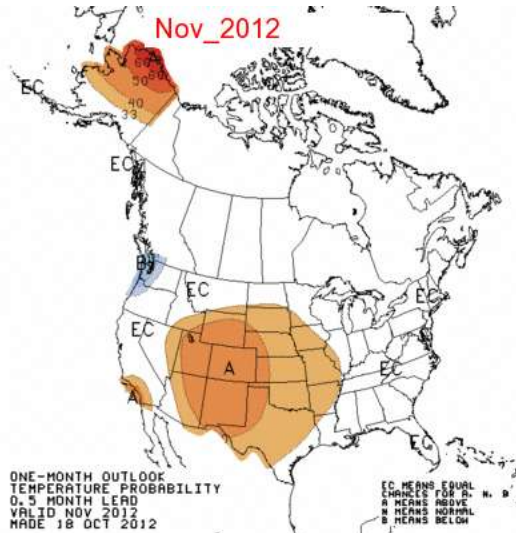
South Fork Tolt River Instream Flows Measured at USGS Stream Gage No. 12148000

All Data is Provisional and Subject to Revision

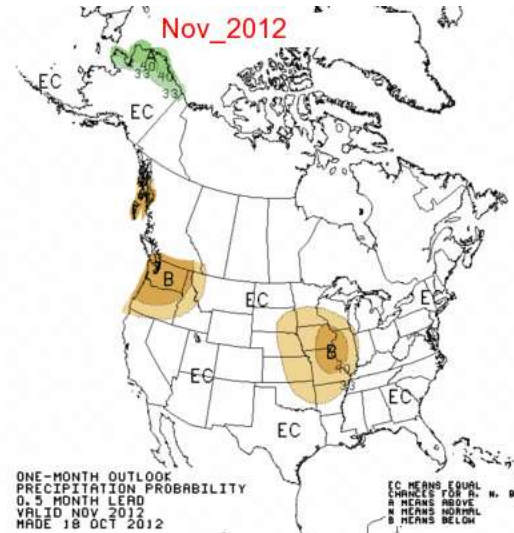


NOAA Climate Prediction Center Outlook

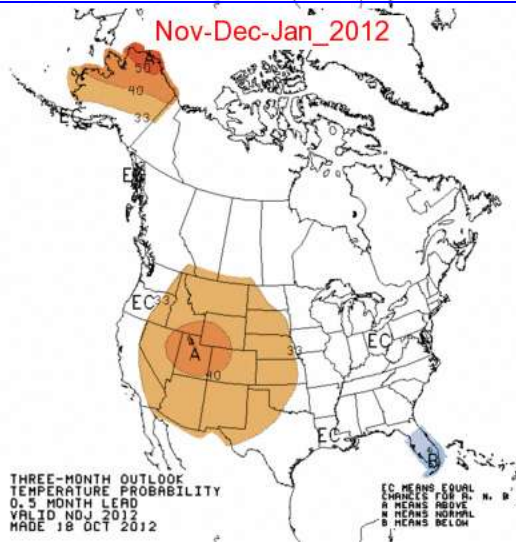
30-Day
Temperature



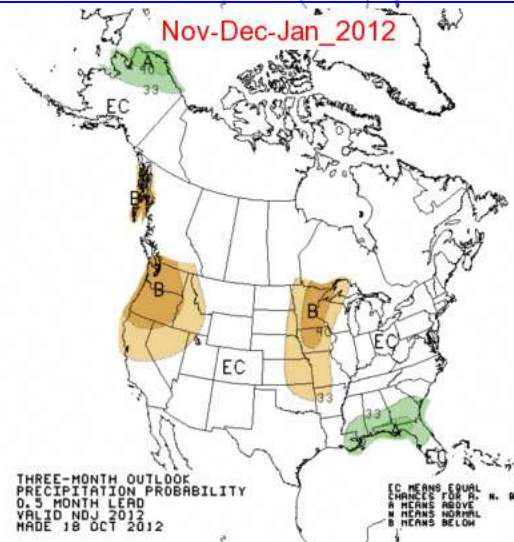
30-Day
Precipitation



90-Day
Temperature



90-Day
Precipitation

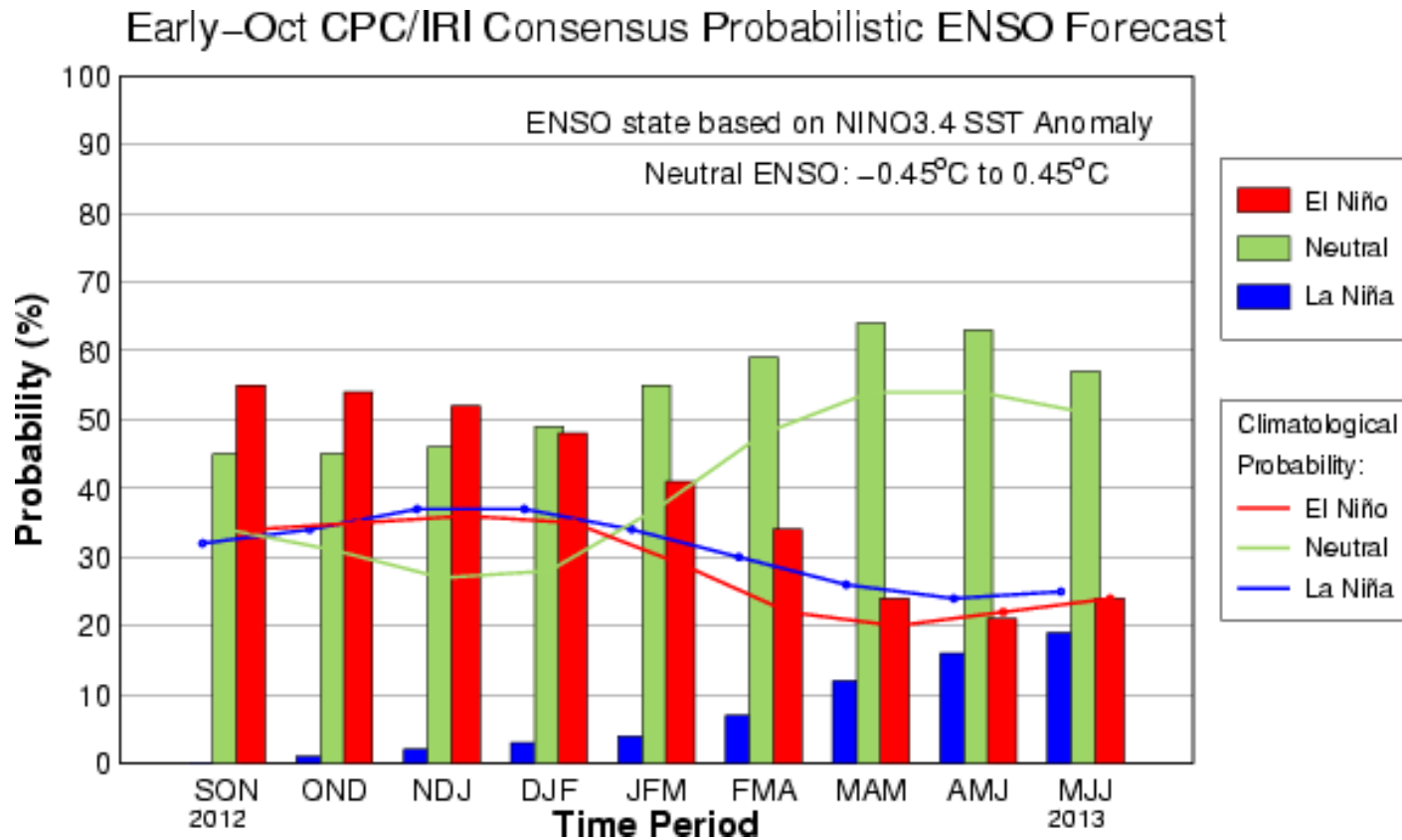




CPC/IRI Probabilistic ENSO Outlook

(updated 4 October 2012)

El Niño is favored beginning in September-November 2012 and persisting through November-January 2012-13.

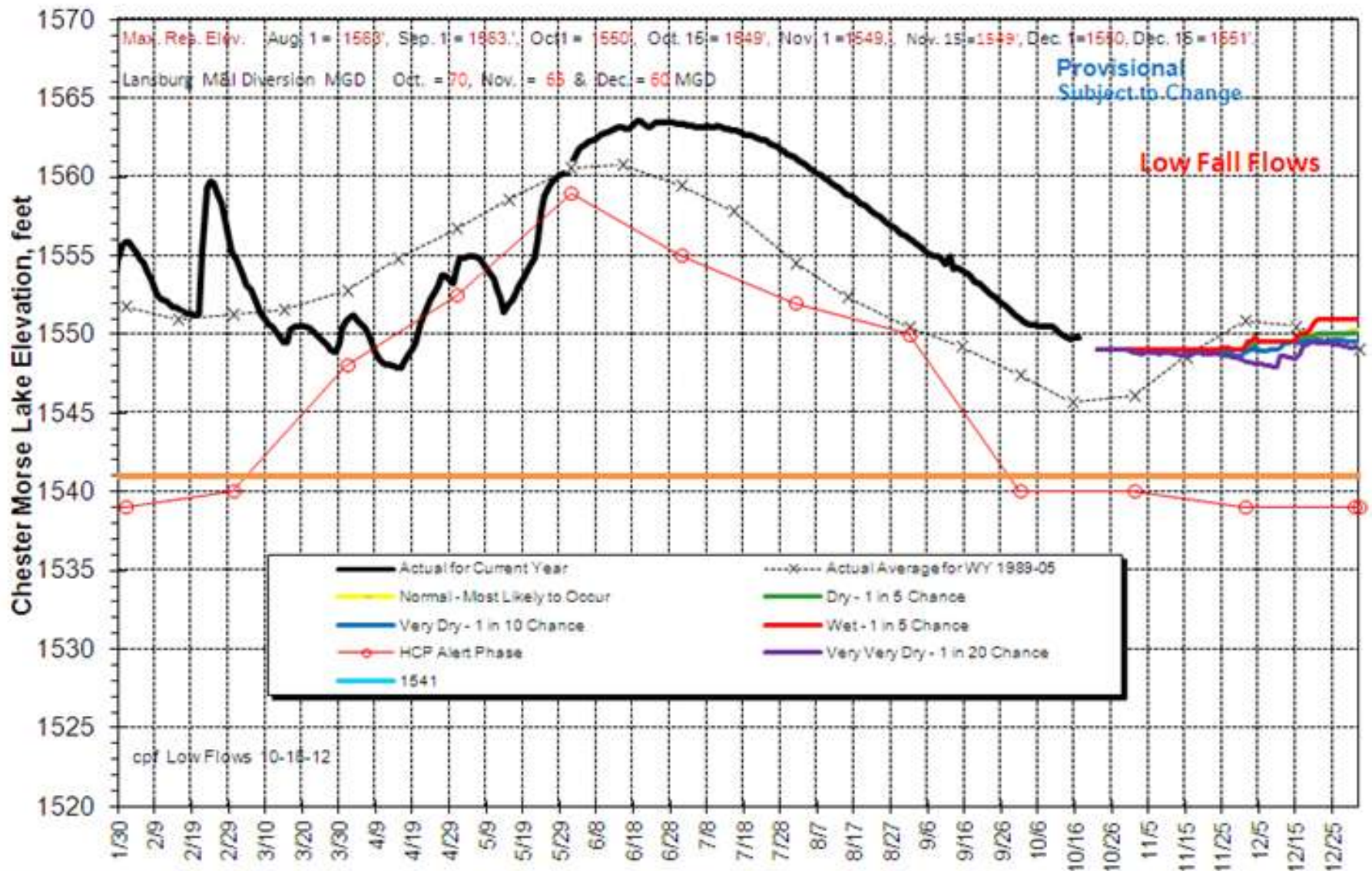


SCENARIO : Forecast of Chester Morse Lk Elev

Actual Reservoir Elevation on 10/16/2012, Forecast thru 10-21, Historic Data 10-22 thru 12-31-12

Flashboards 1550', Min. Pool 1515' & Landsburg Min. plus supplemental flows

SPU - tcj



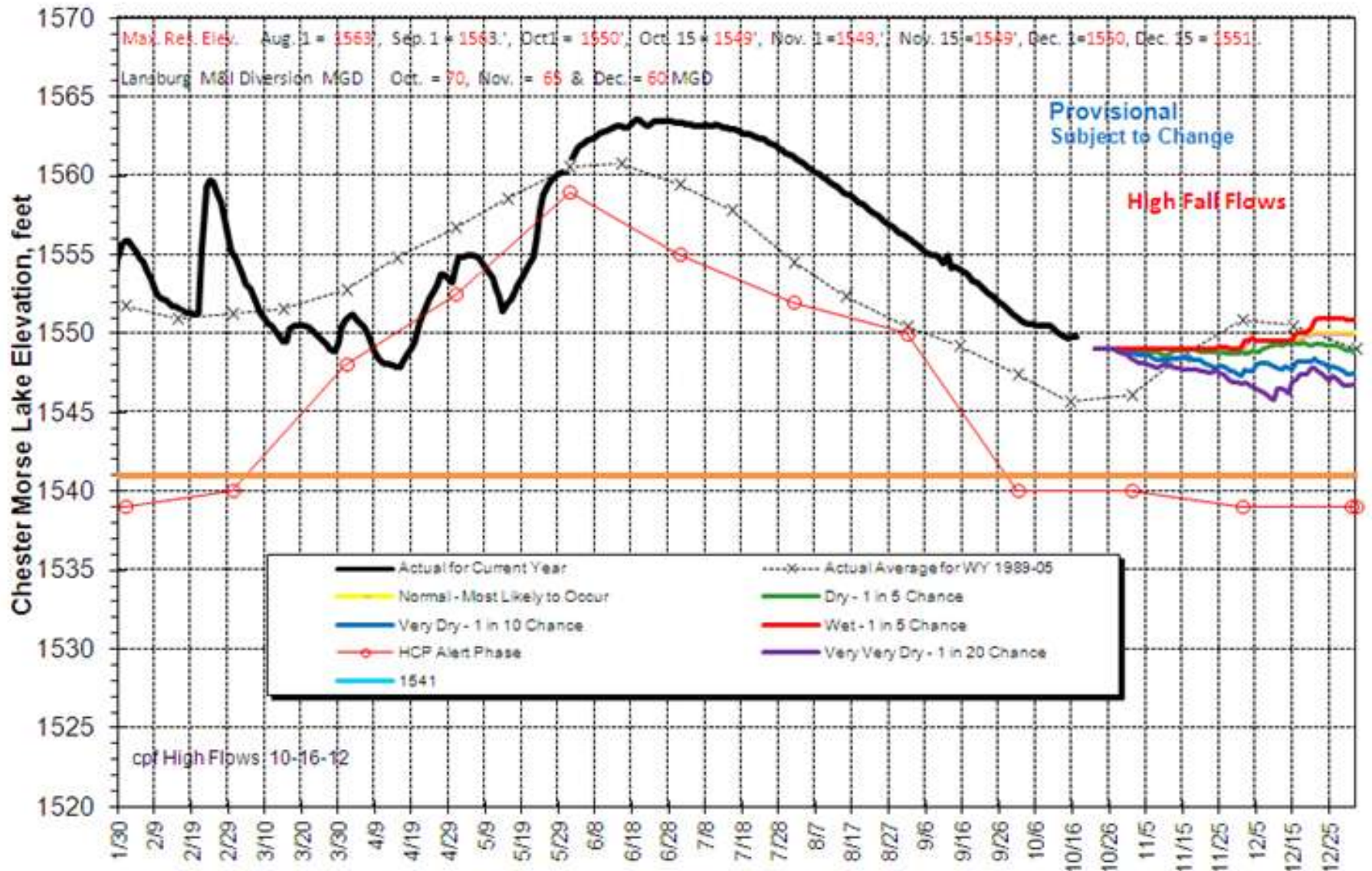
Almost 13 billion gallons are stored between elevations 1539.2 and 1562 feet and more than 3.4 billion gallons between elevations 1532 and 1539.2 feet.

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Almost 13 billion gallons are stored between elevations 1539.2 and 1562 feet and more than 3.4 billion gallons between elevations 1532 and 1539.2 feet.

In order to implement the high-normal flow regime, the following minimum criteria must be met:

- 1) The elevation of Morse Lake is, or is reasonably forecasted to be by October 8th, greater than elevation 1541.5 feet; and
- 2) The average inflow to Morse Lake for the antecedent 30-day period is greater than 31 cfs; and
- 3) The average inflow to Morse Lake for the antecedent 15-day period is greater than 32 cfs.

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