OPS, Water Quality and Water Supply Conditions Update

July 5, 2012



OPS

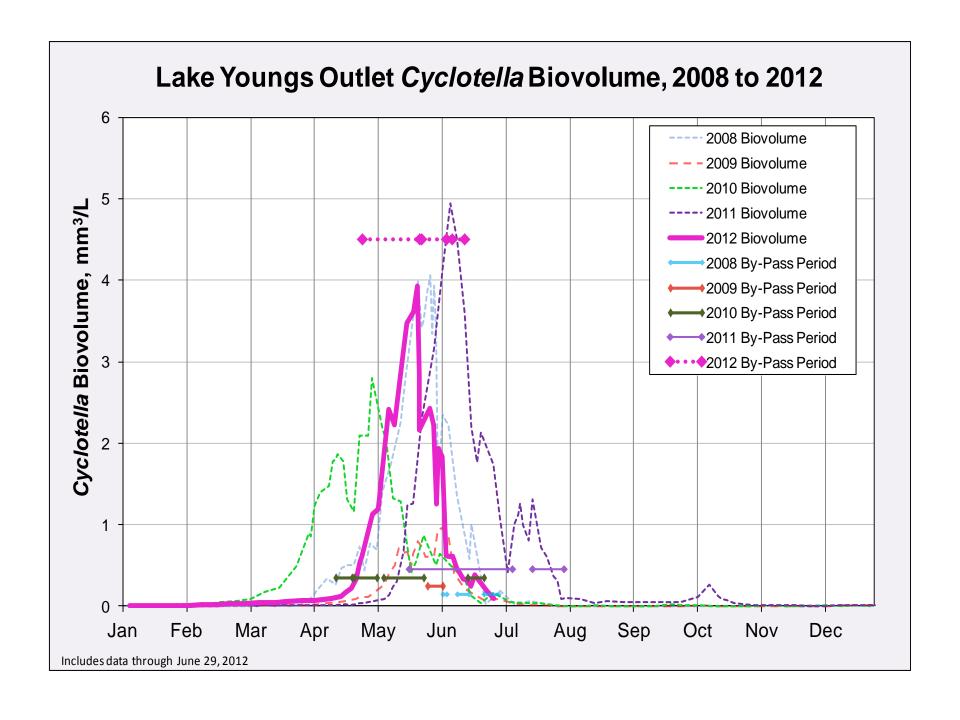
- Spring Refill Complete
- Lake Youngs Bypass for Algae Complete
- Landsburg Forebay cleaning Complete
- Transition Maple Leaf Reservoir back into service
- Fall Shut down of Tolt East Side Supply Line (TESSL) for Woodinville Tap
- Support Transportation projects (primarily Direct Service Area issue)



Water Quality

- Lake Youngs Cyclotella algae bloom ended in mid June.
 Bypassed 91% of time that concentration >0.5
- Sampling for the new Stage 2 Disinfectants and Disinfection Byproducts Rule (Stage 2 DBPR) began 2nd quarter 2012. SPU has concluded the first round of quarterly sample analysis for wholesale customers. The second round of sampling will begin for some wholesale customers this month.
- Some of the individual HAAs (DBPs) came in above 60 ppb. We think it's related to bypass operations – and more specifically the reconnection of Rock Creek to Cedar River above Landsburg. However since regulatory reporting is based on the average of 4 quarterly samples, we expect that there are no regulatory issues.





Water Supply

• Spring Refill – Complete



Seattle's Water Supply Message July 5, 2012

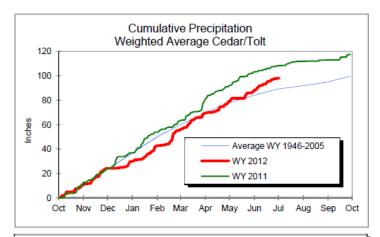
"Our overall water supply situation and outlook is good."

Seattle Water Supply Indicators				
Reservoir Storage				
Reservoir Inflows	O			
Snowpack				
Customer Use	0			
Overall	O			
● Good ⊚ Fair (Poor			
For more information, visit				
www.savingwater.org				

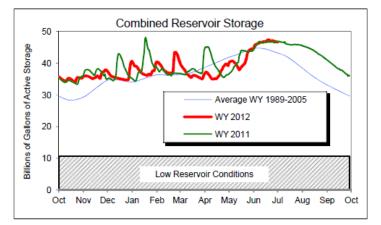


Chester Morse Lake taken June 17, 2012 Photo Credit: Lloyd Buster

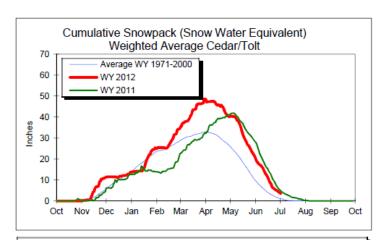
Seattle Public Utilities Water System Synopsis as of July 2, 2012



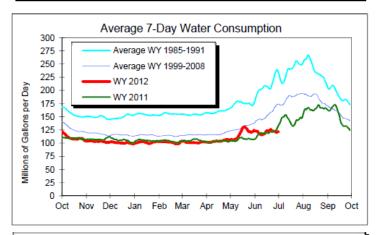
Precipitation was recorded in the Cedar and S.F. Tolt watersheds over the past week.



The combined reservoir storage of Chester Morse Lake, Masonry Pool, Lake Youngs and South Fork Tolt Reservoir is above the long term average for this time of year.



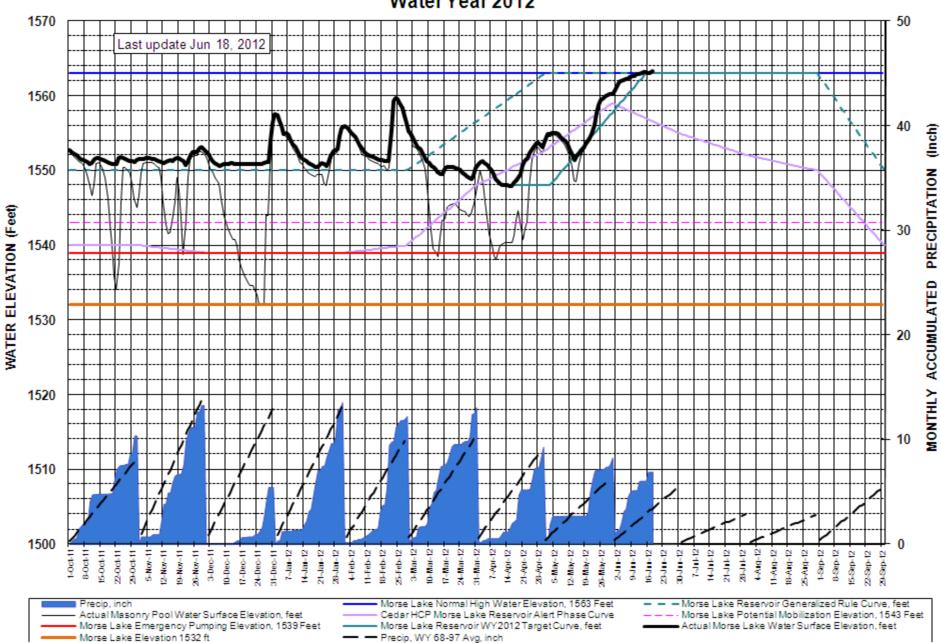
The average snow accumulation across the sites that we monitor is estimated to be about 3.6 inches snow water equivalent which is above the long term average for this time of the year.



Water use over the past week averaged about 121 million gallons per day (mgd), which is less than the 174 mgd used during the same period over the years 1999-2008.

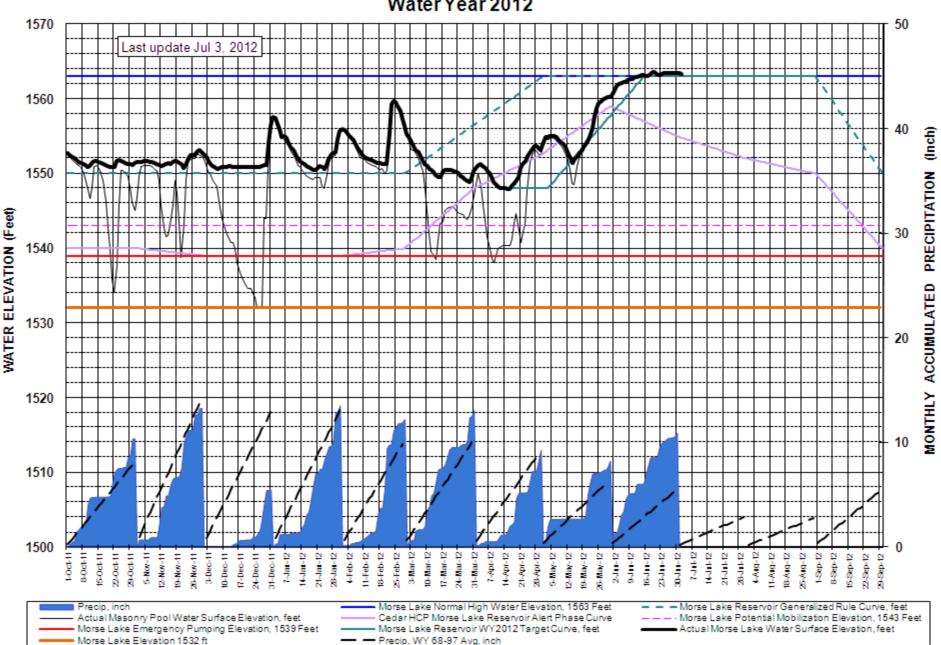
CEDAR RIVER AT RESERVOIR

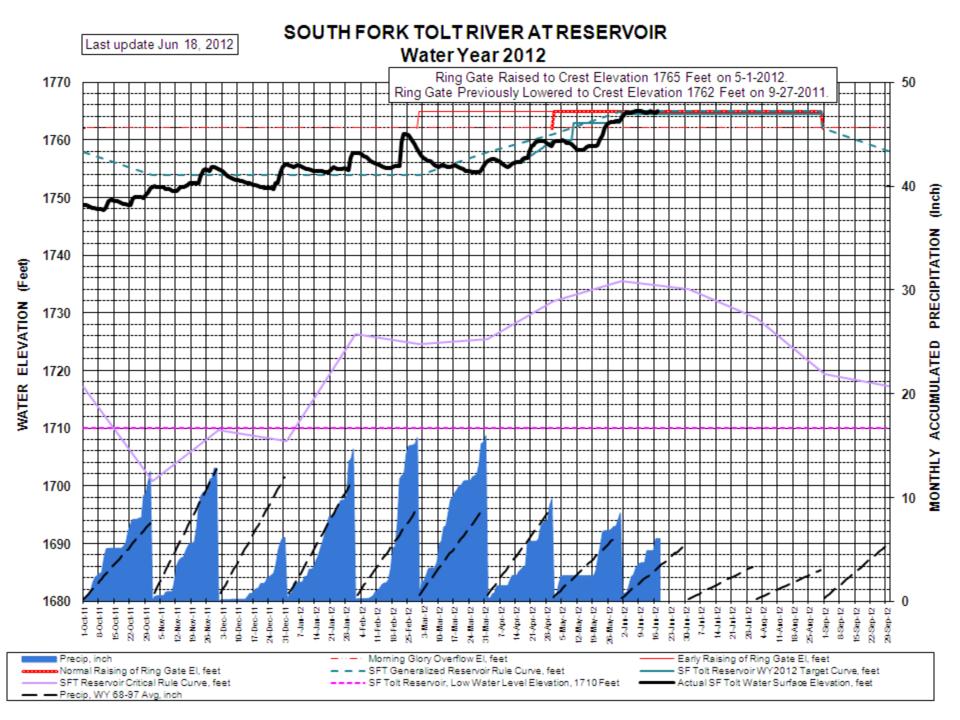


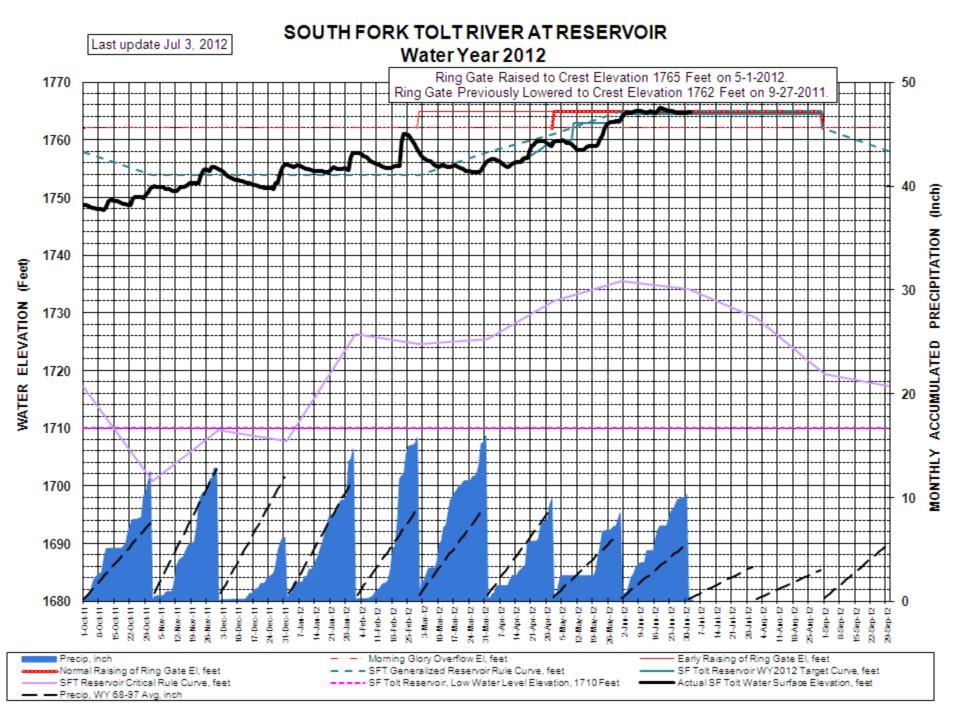


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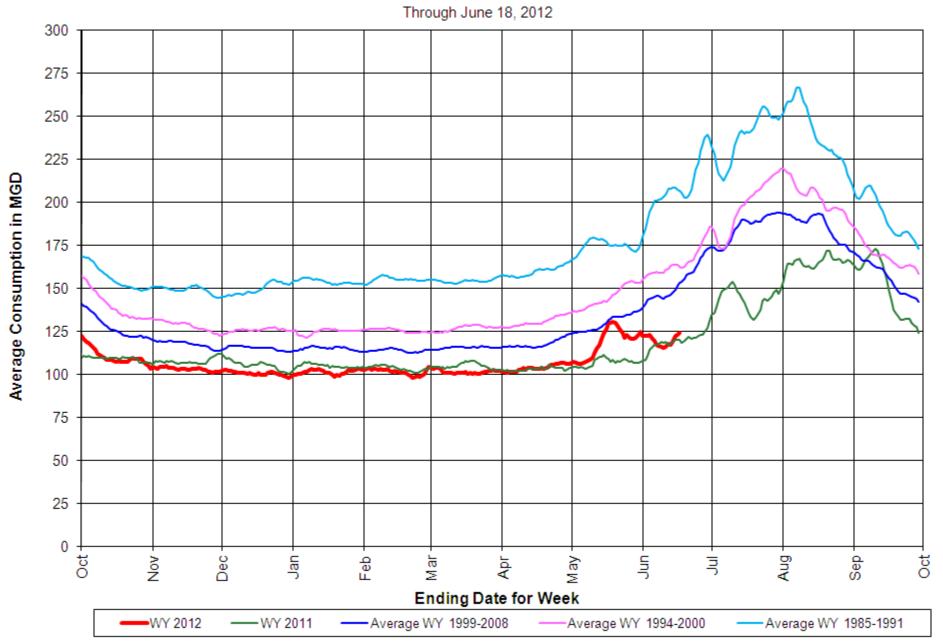
Water Year 2012







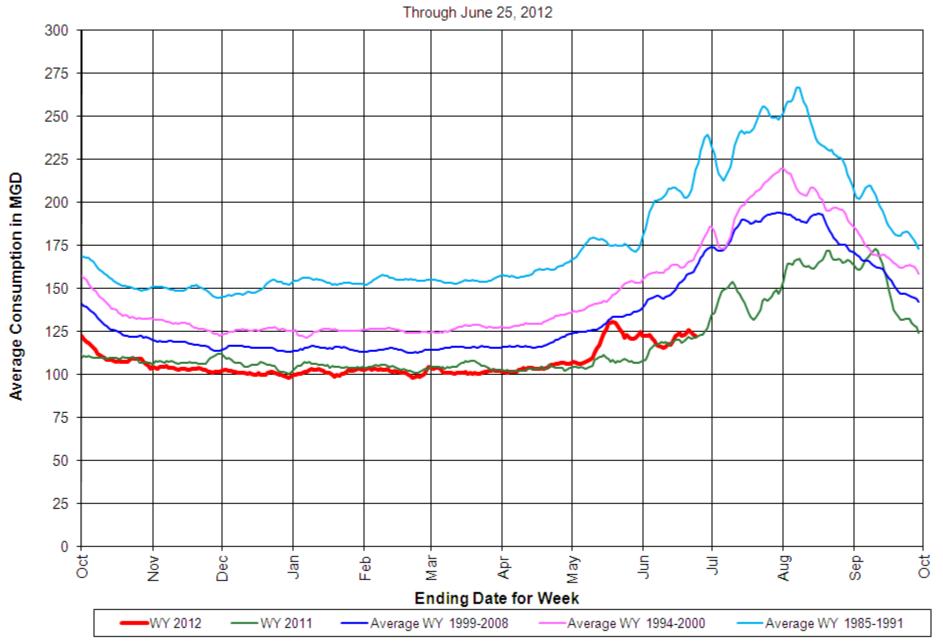
24-hr Consumption, 7-Day Moving Average



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

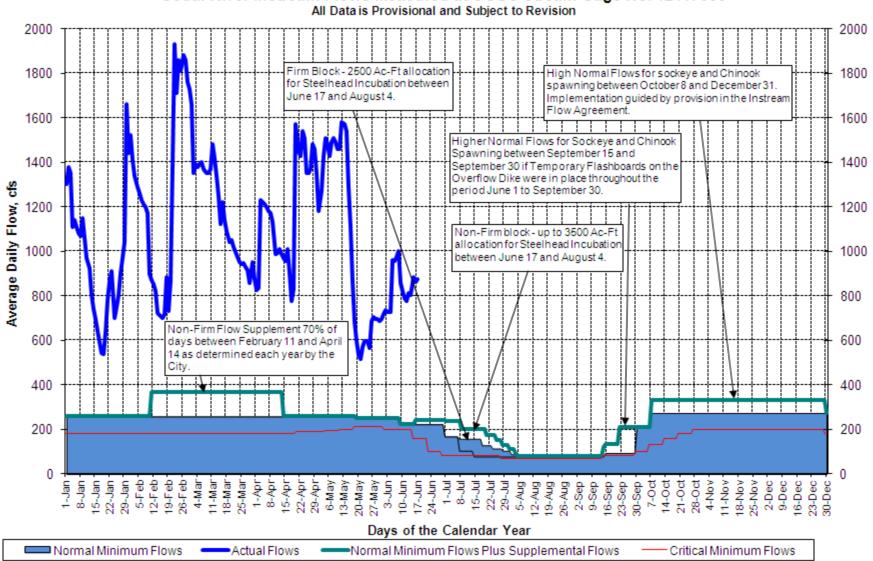
24-hr Consumption, 7-Day Moving Average



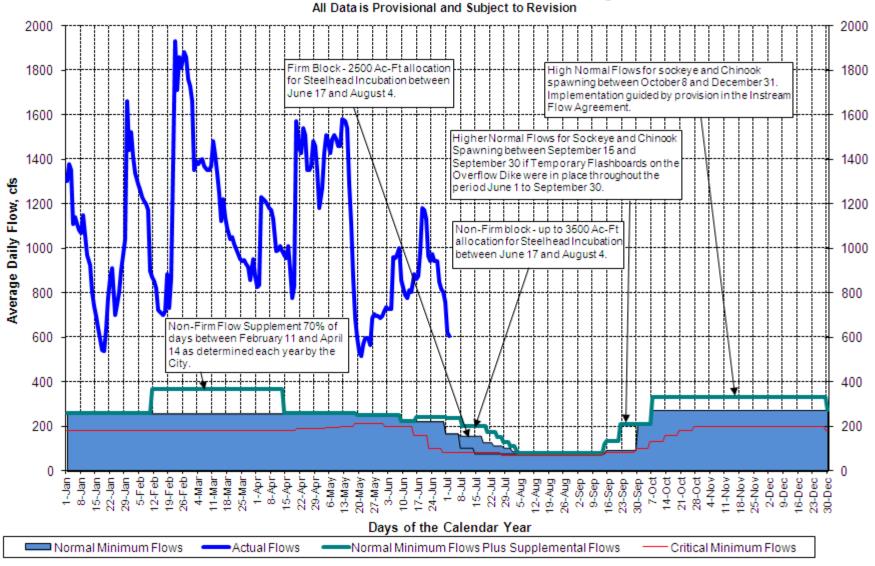
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Last Update: 06-17-2012 Calendar Year 2012
Cedar River Instream Flows Measured at USGS Stream Gage No. 12117600



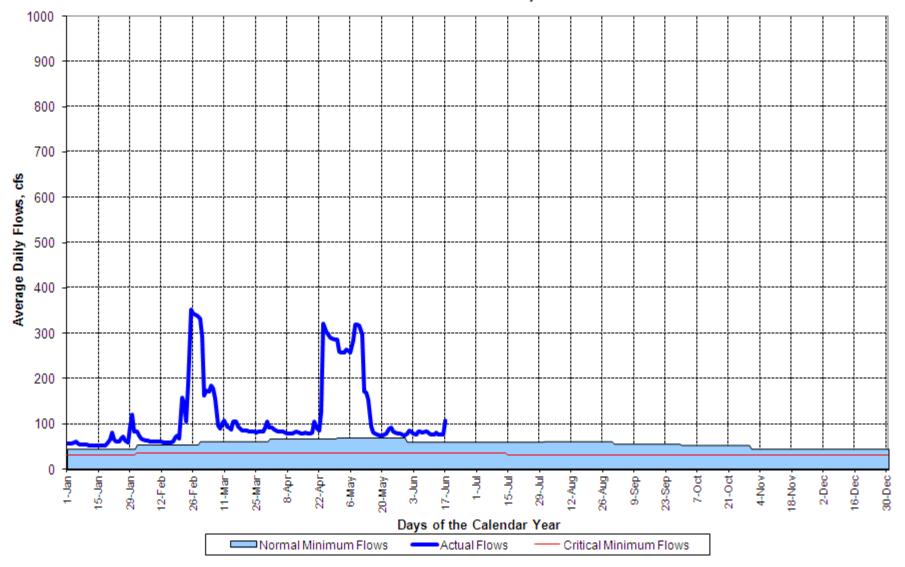
Last Update: 07-02-2012 Calendar Year 2012
Cedar River Instream Flows Measured at USGS Stream Gage No. 12117600



Last Updated: 6/17/2012

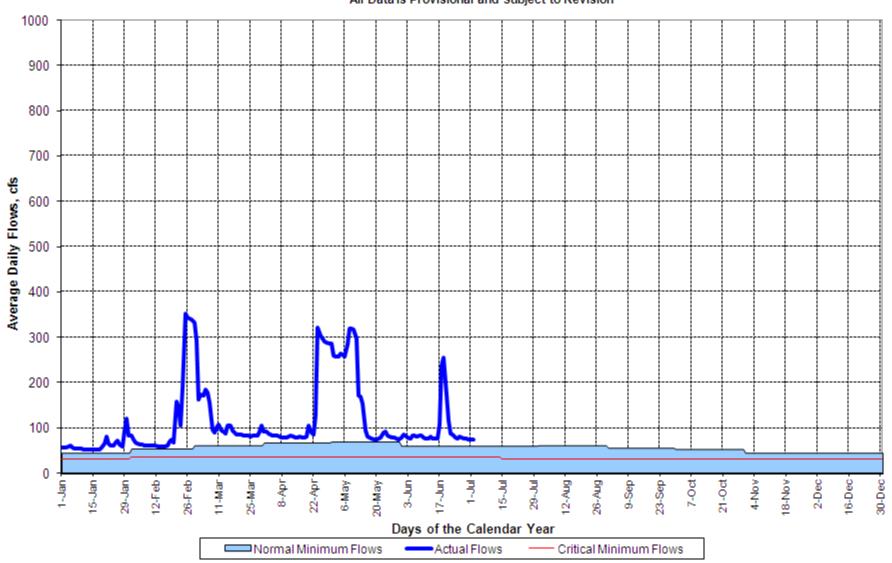
Calendar Year 2012 South Fork Tolt River Instream Flows Measured at USGS Stream Gage No. 12148000 All Data is Provisional and Subject to Revision



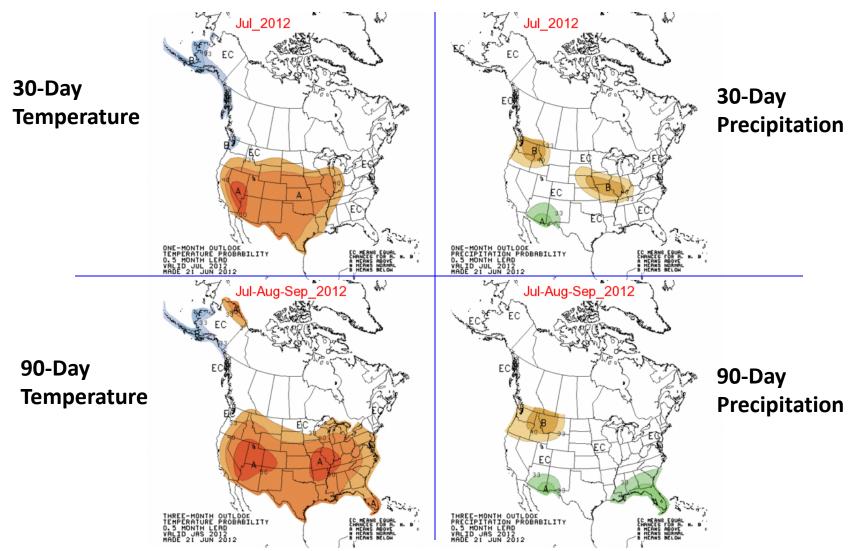


Last Updated: 7/2/2012

Calendar Year 2012
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

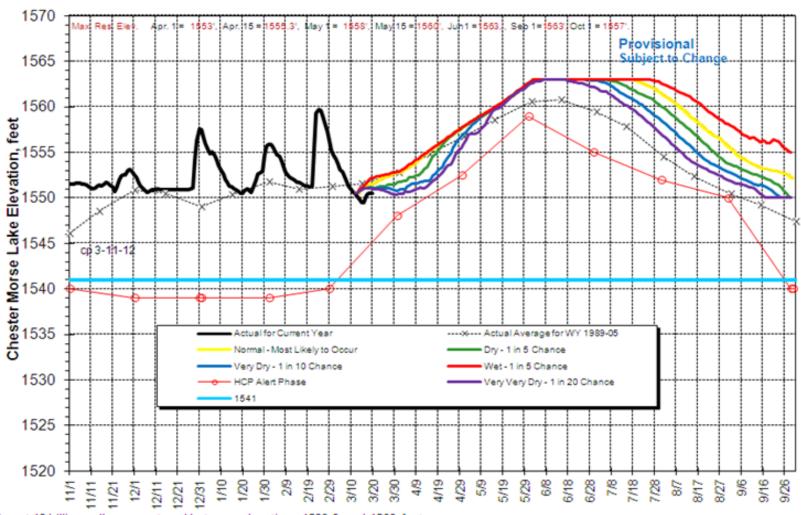


Questions?



SCENARIO: Forecast of Chester Morse Lk Elev Actual Reservoir Elevation on 3/20/2012, Forecast thru, Hist. Data 3-12 thru 9-30-12

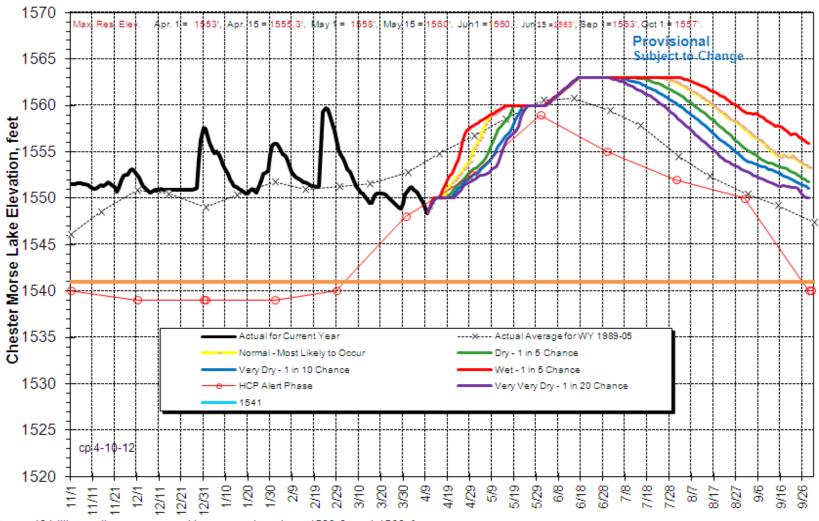
Flashboards 1550', Min. Pool 1515' & High-Normal (SPU - tcj)



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.

SCENARIO: Forecast of Chester Morse Lk Elev Actual Reservoir Elevation on 4/9/2012, Historic Data 4-10 thru 9-30-12

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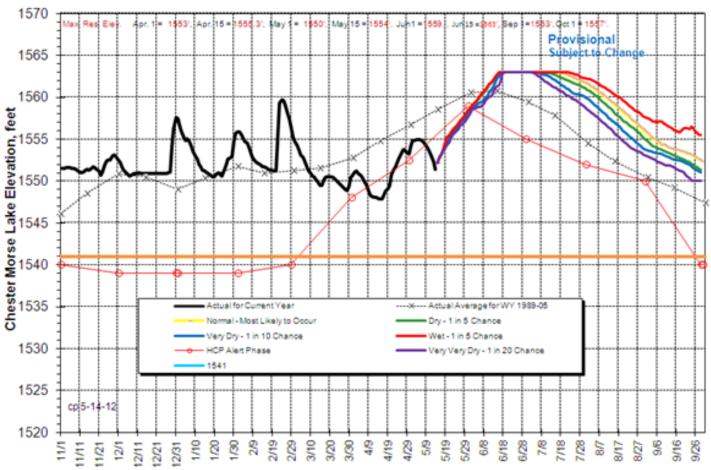


Almost 13 billion gallons are stored between elevations 1539.2 and 1562 feet and more than 3.4 billion gallons between elevations 1532 and 1539.2 feet.



SCENARIO: Forecast of Chester Morse Lk Elev Actual Reservoir Elevation on 5/14/2012, Historic Data 5-14 thru 9-30-12

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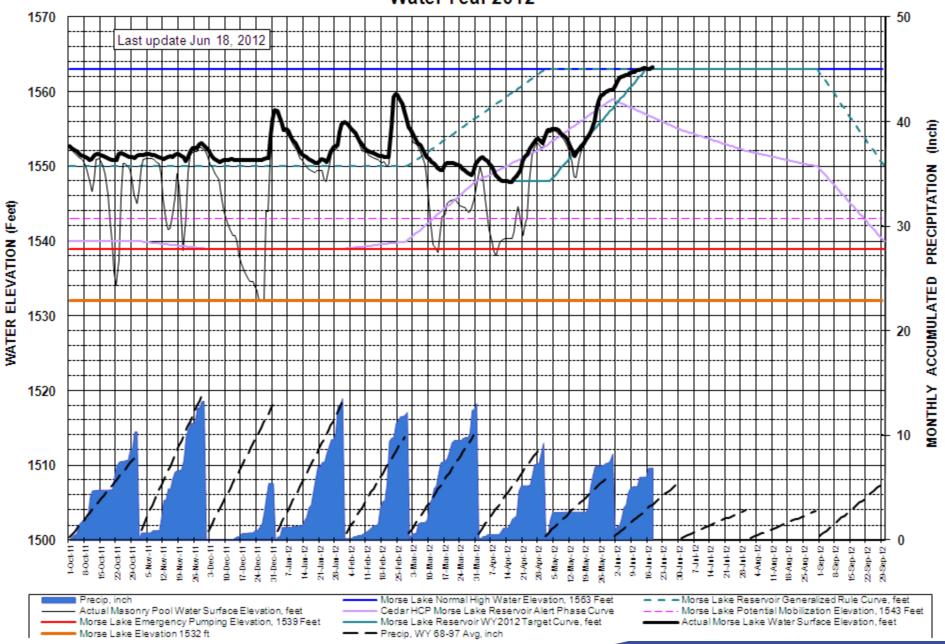


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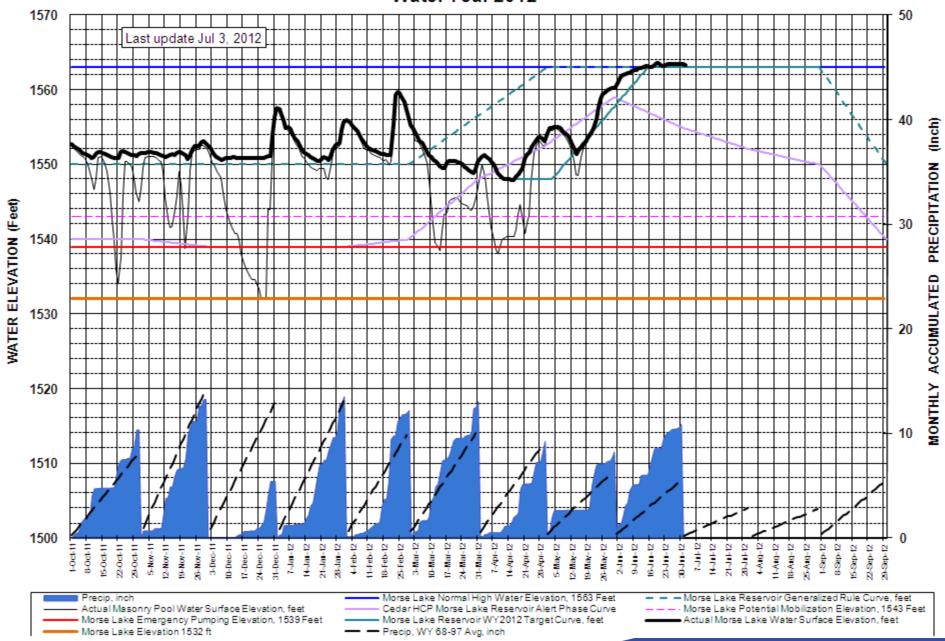
CEDAR RIVER AT RESERVOIR

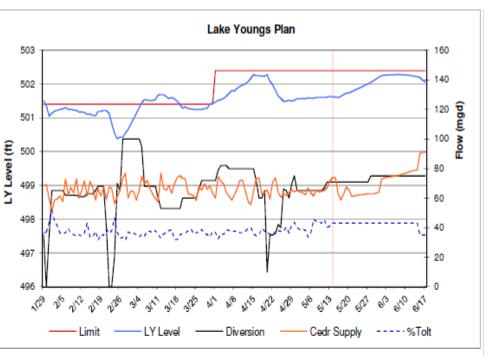
Water Year 2012

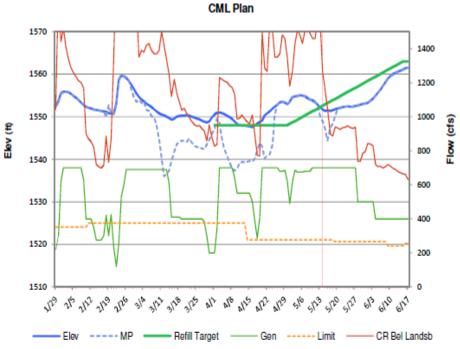


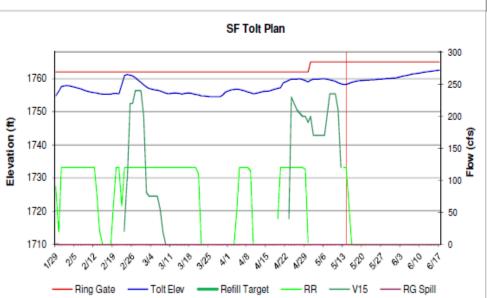
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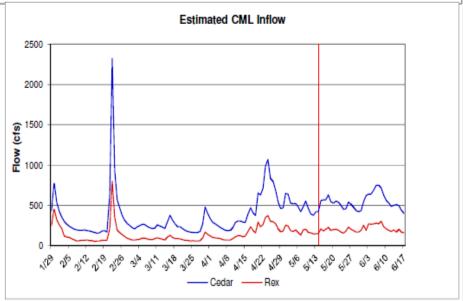
Water Year 2012



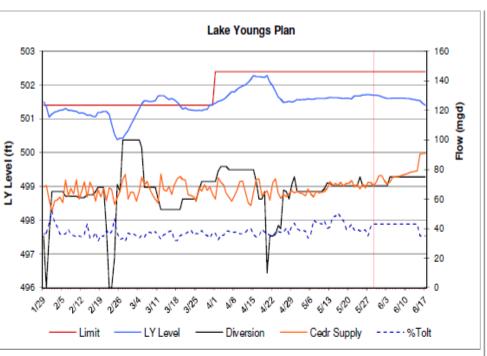


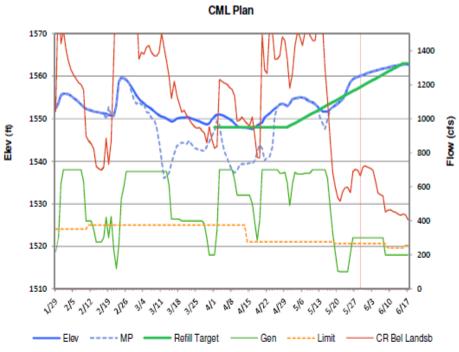


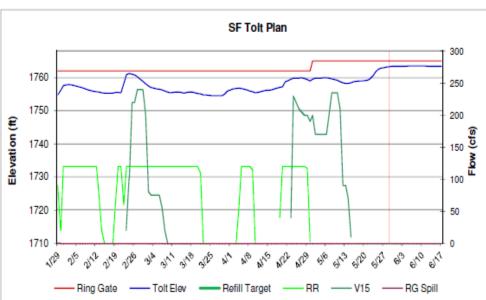


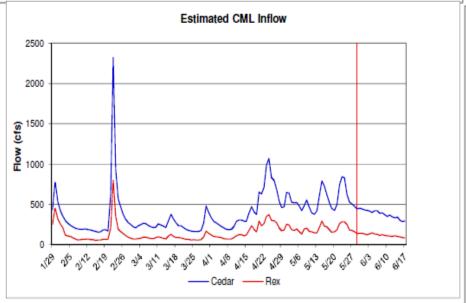


Preliminary - Subject to Change

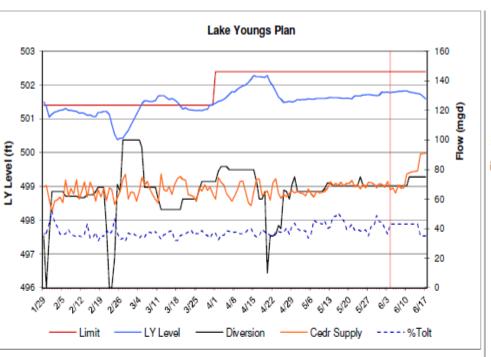


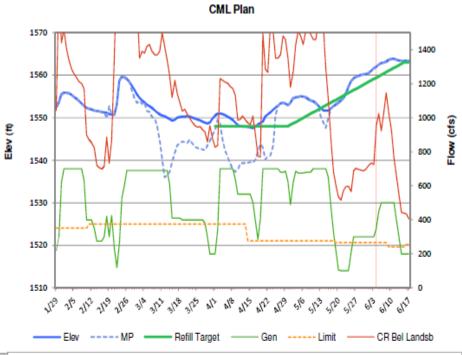


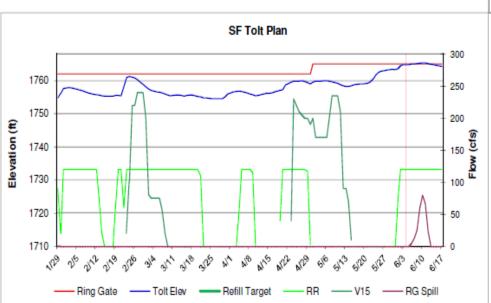


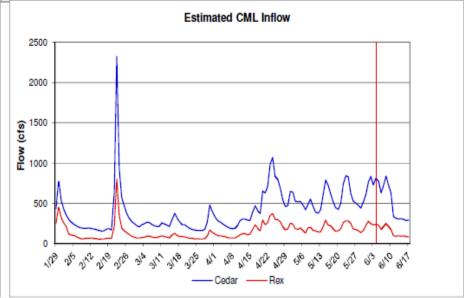


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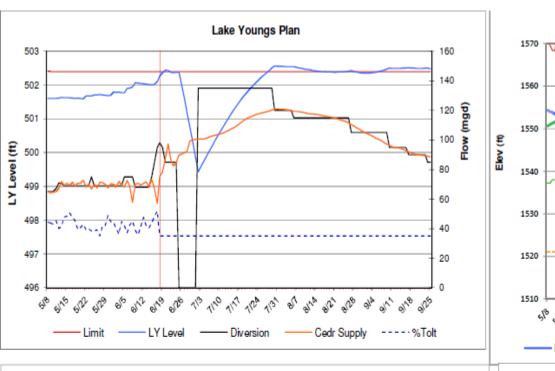


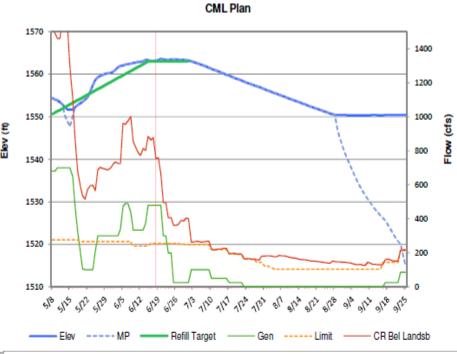


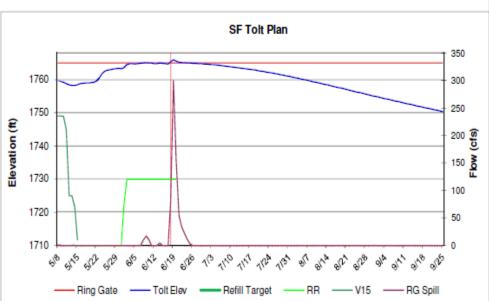


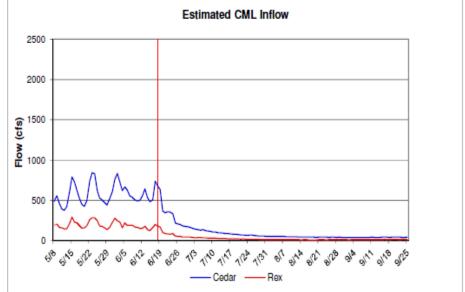


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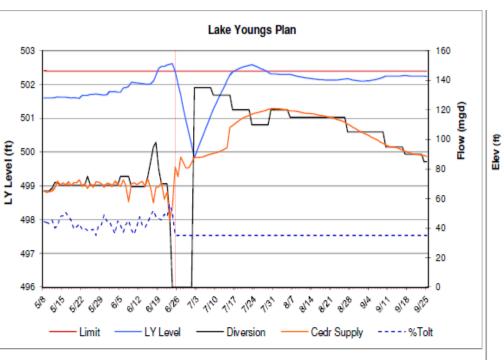


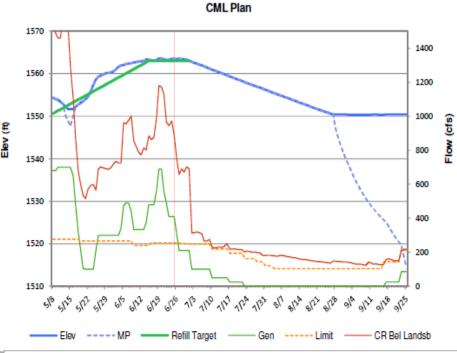


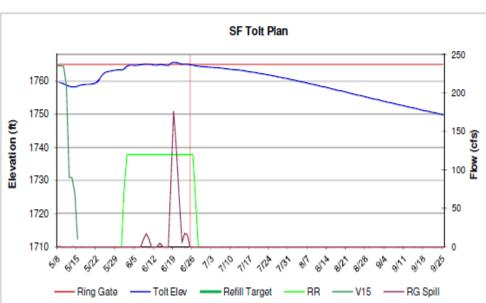


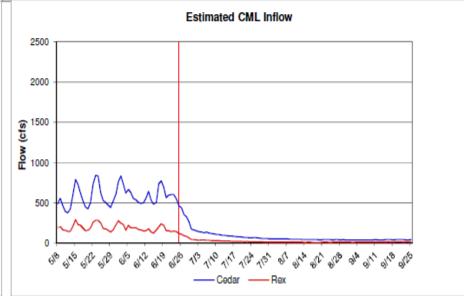


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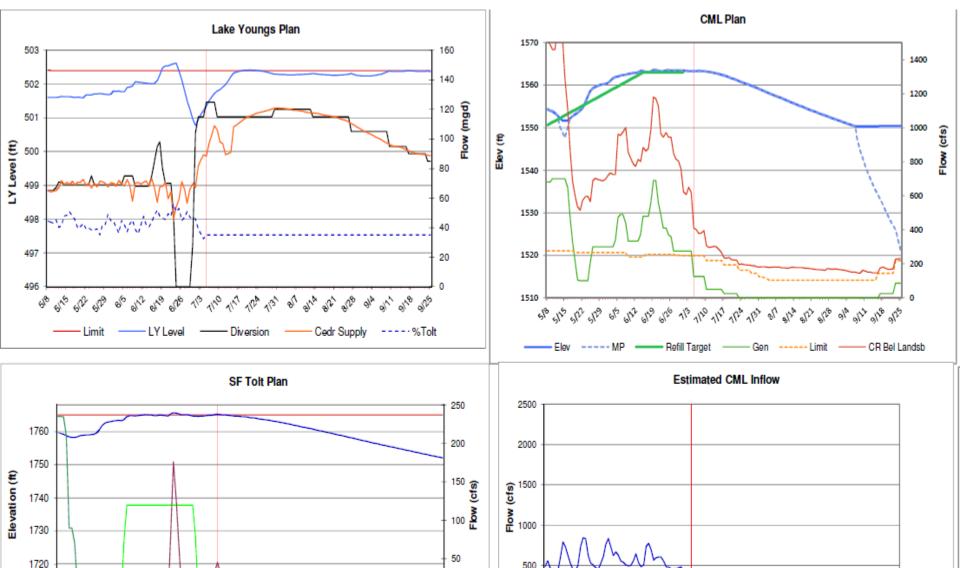








Preliminary - Subject to Change



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Tolt Elev Refill Target

1710