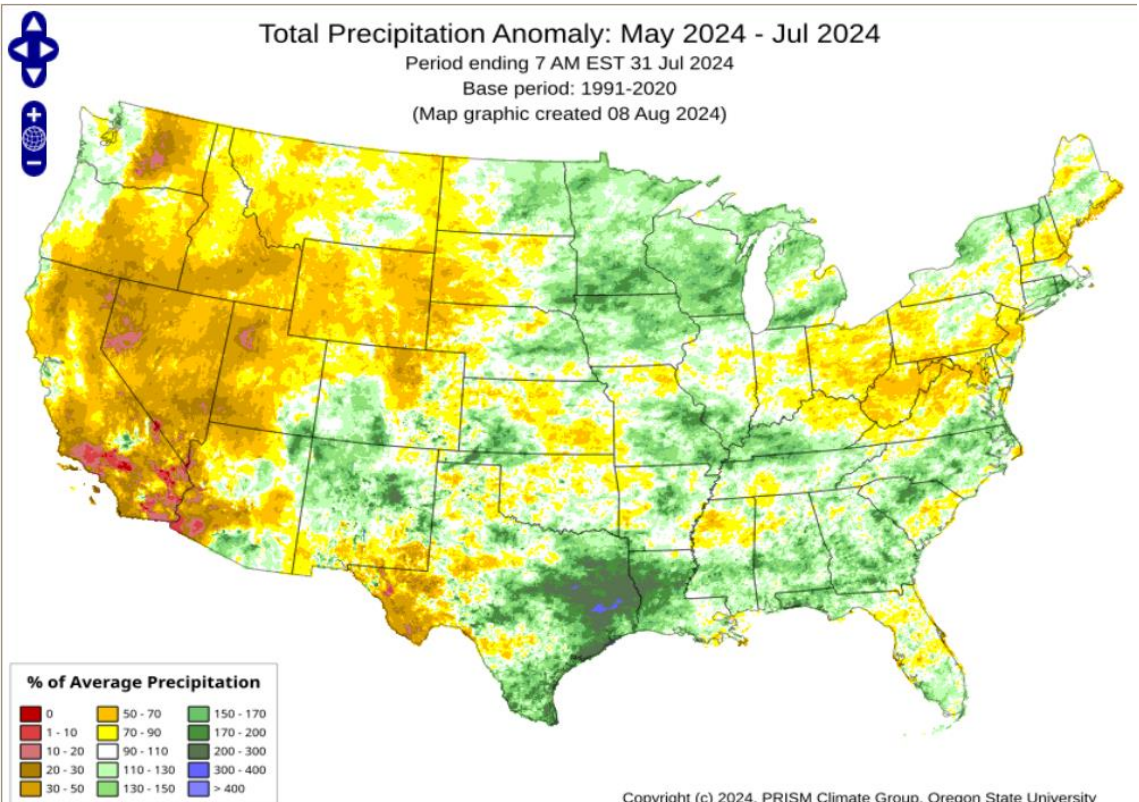


Flow & Precipitation Update - Aug 21, 2024

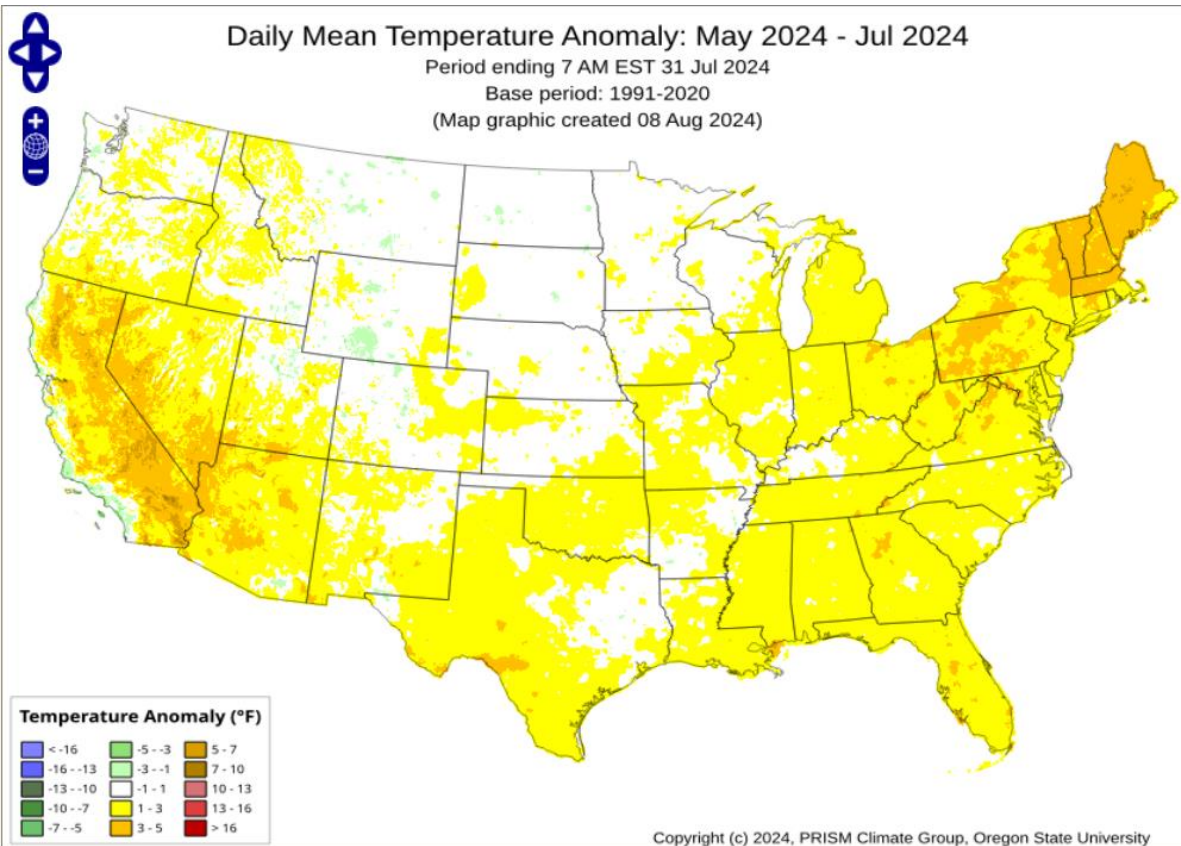
With some moisture moving in this weekend, we'll soon see which rivers benefits from the moisture and helps put a damper on some of the fires.

Included are a few central Idaho SNOTEL precipitation graphs that show the dryness, lack of precip, since May/June.



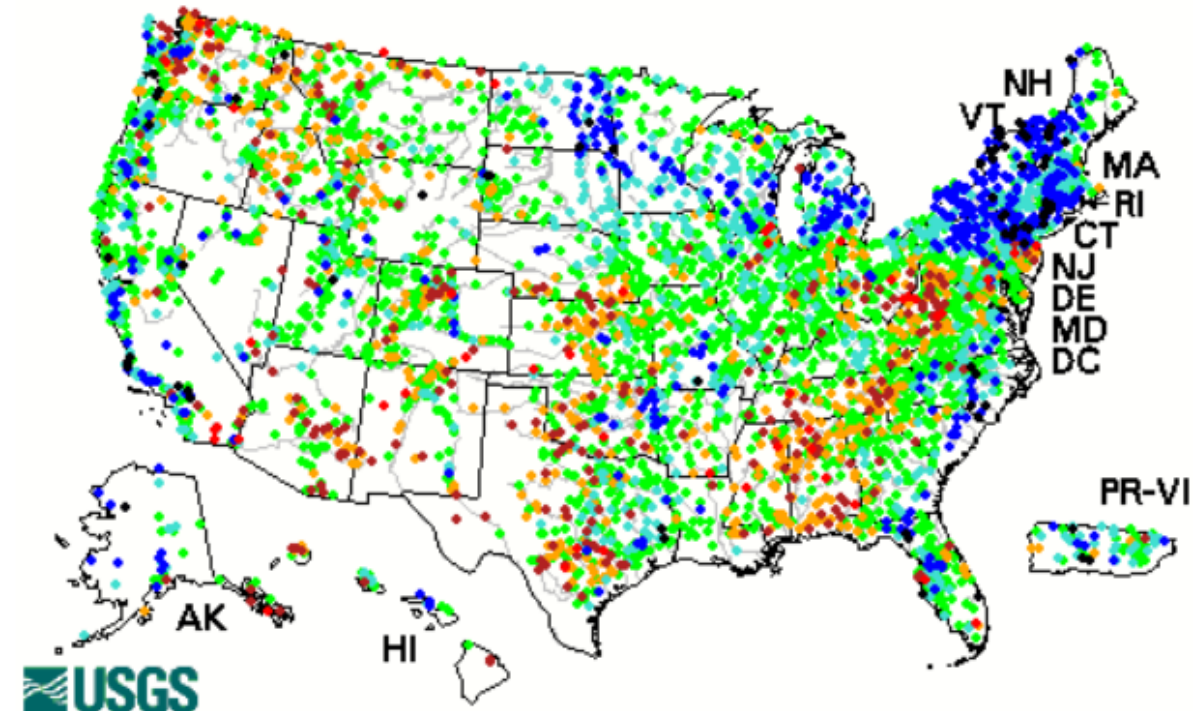
Below are PRISM Maps for Total Precipitation that shows May - July precipitation only in the 30-90% of Average range.

Daily Mean Temperatures ranged from normal to 3F above normal.



# Daily Streamflow Conditions

Tuesday, August 20, 2024 15:30ET



## Explanation

- High
- > 90th percentile
- 76th - 90th percentile
- 25th - 75th percentile
- 10th - 24th percentile
- < 10th percentile
- Low
- Not ranked

The colored dots on this map depict streamflow percentile, which is computed from the percentile for the current day of the year. Only stations with a record are used.

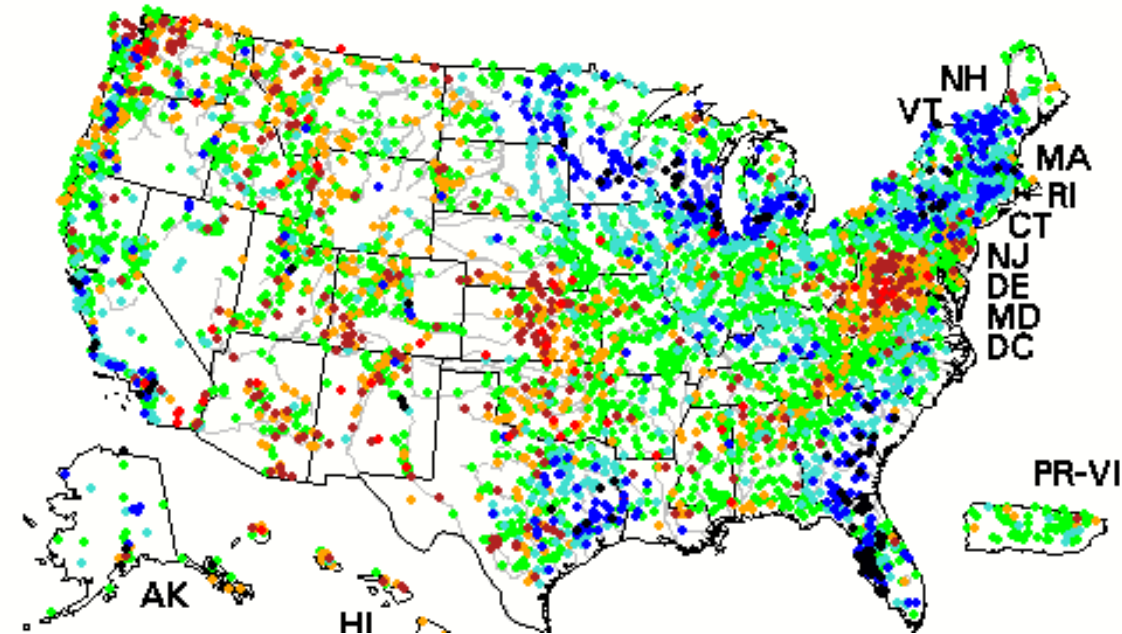
The **gray circles** indicate other stations that are not ranked either because they have few records or because they report parameters other than streamflow. Some stations, for example, have only one record.

## The Big Streamflow Picture:

Not much change in West past 2 weeks, from Aug 6 to 20. While Eastern rivers increase and decrease based on hurricane paths.

# Daily Streamflow Conditions

Tuesday, August 06, 2024 10:30ET

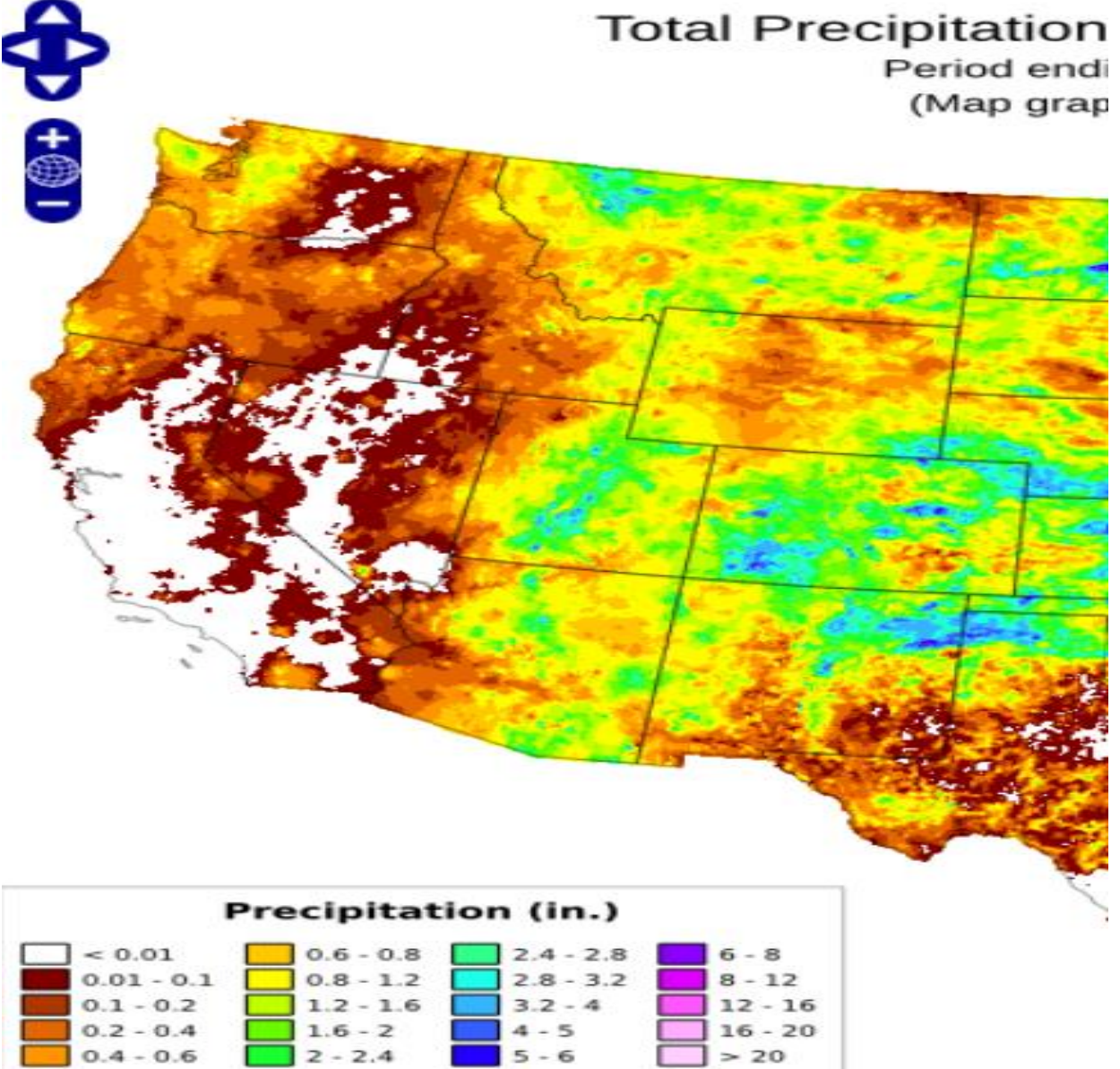
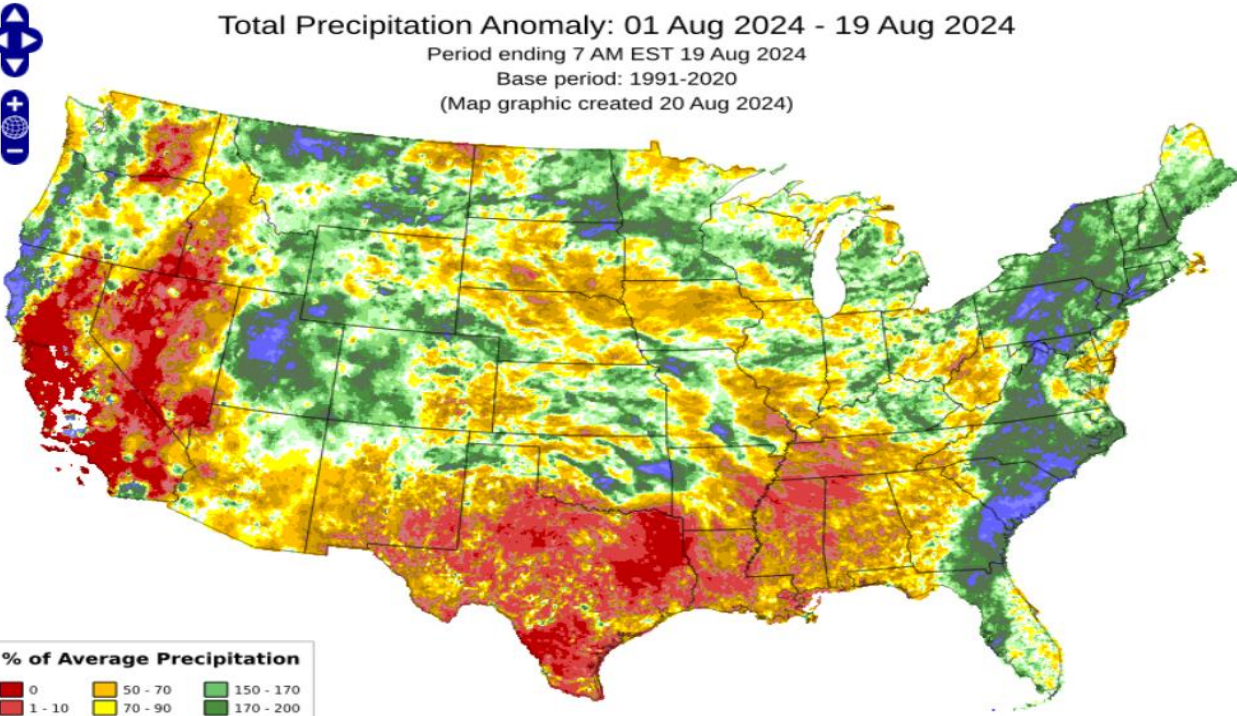




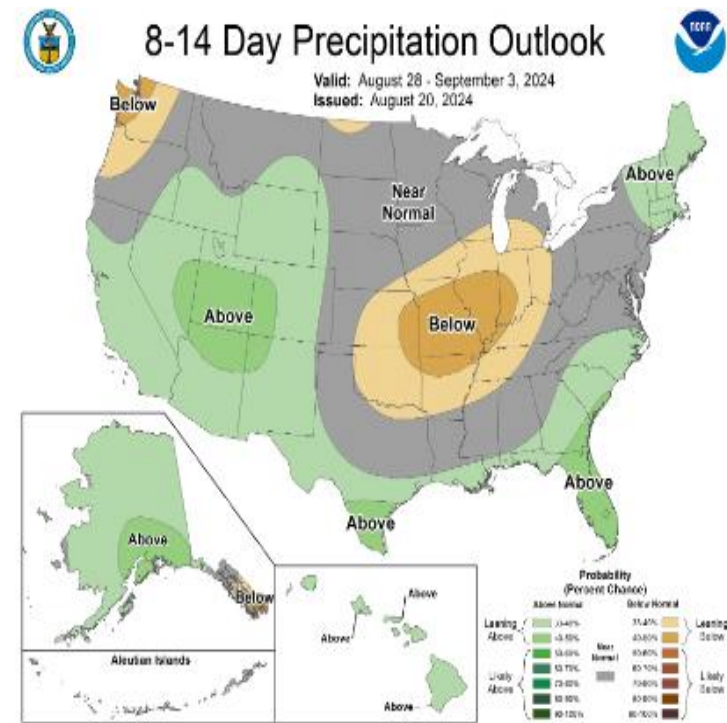
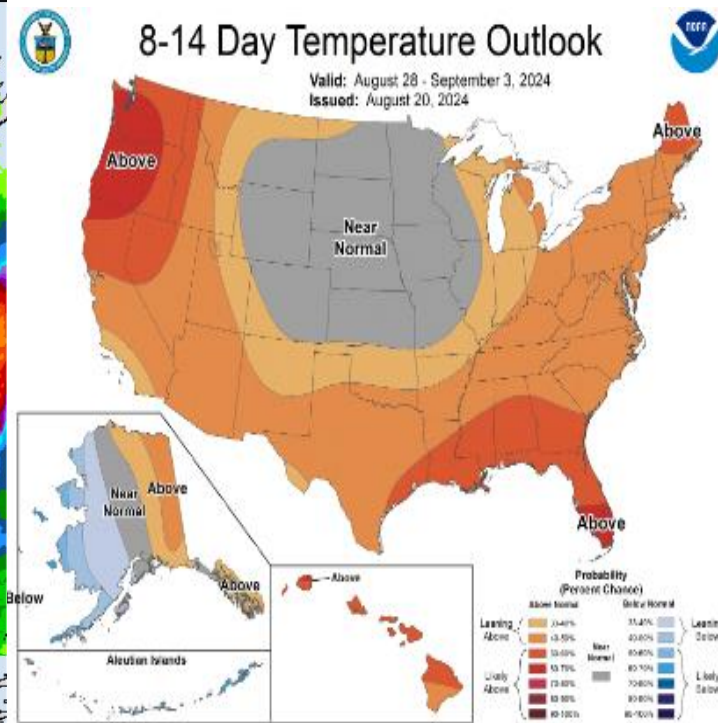
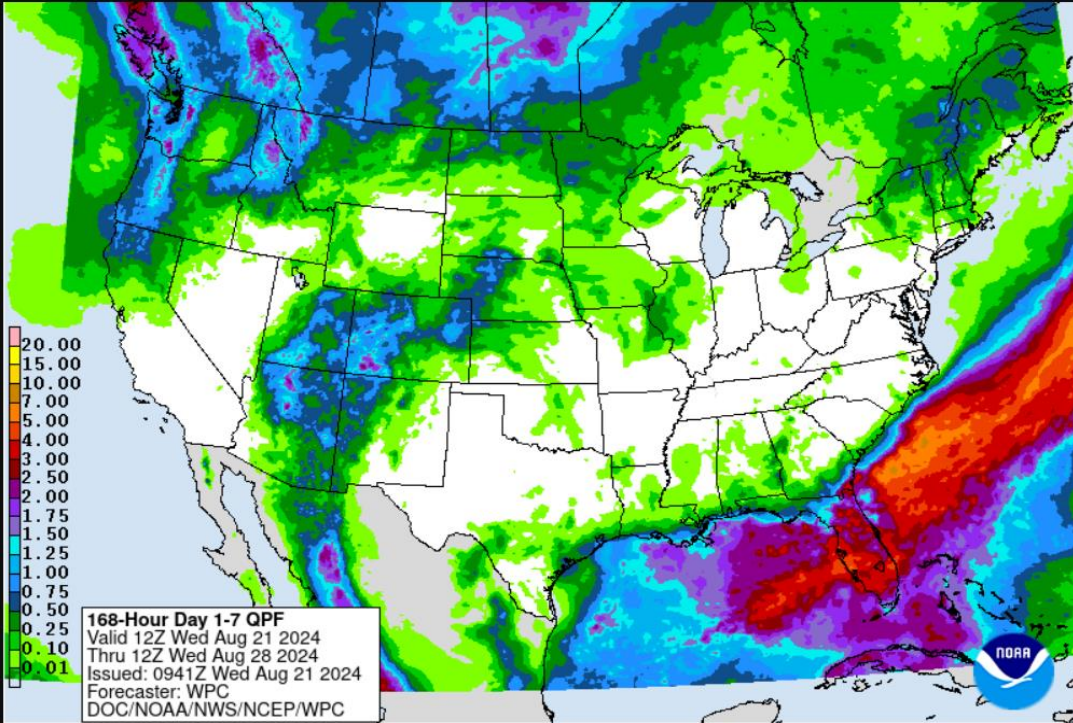
Aug 1-20 precipitation – where did it fall? It seemed like eastern Idaho received daily afternoon T-storms for the week or so following the Targhee Bluegrass Festival. Thunderstorms were popping up brought hail crop damage near Arco and possible tornado.

Amounts were not much ranging from 1-2” but sure helped. Basins from the Bear to the Henrys Fork have now received their normal Aug precip total in the first 20 days of August. The Payette Basin remains the dry spot with only 27% of its normal Aug precip so far.

<https://wcc.sc.egov.usda.gov/reports/UpdateReport.html?textReport=Idaho&textRptKey=6&textFormat=SNOTEL+Precipitation+Summary+Update+Report&StateList=6&RegionList=Select+a+Region+or+Basin&SpecialList=Select+a+Special+Report&MonthList=August&DayList=20&YearList=2024&FormatList=N2&chkDst=on&OutputFormatList=HTML&textMonth=August&textDay=20&CompYearList=select+a+year>

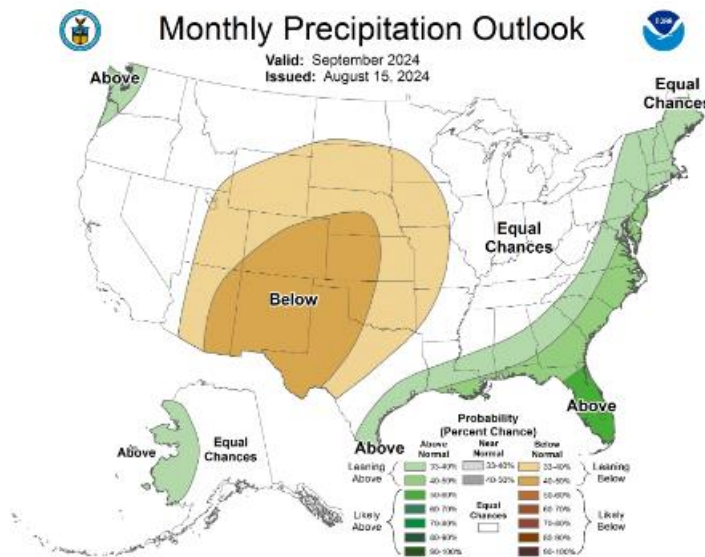
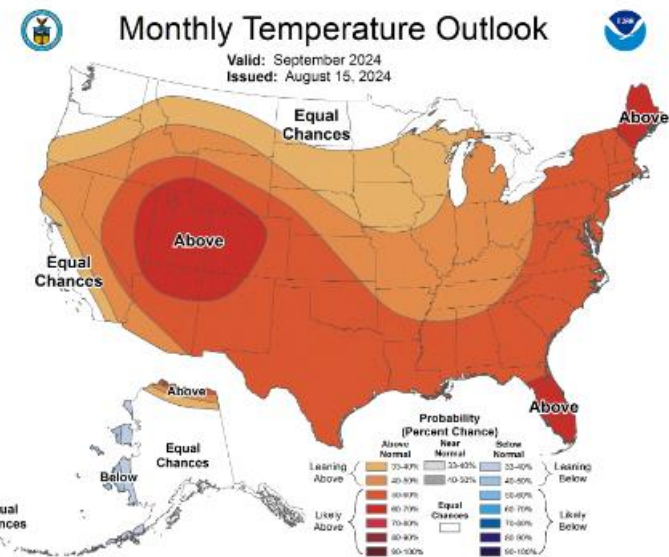






## OFFICIAL 30-Day Forecasts

Issued: August 15, 2024



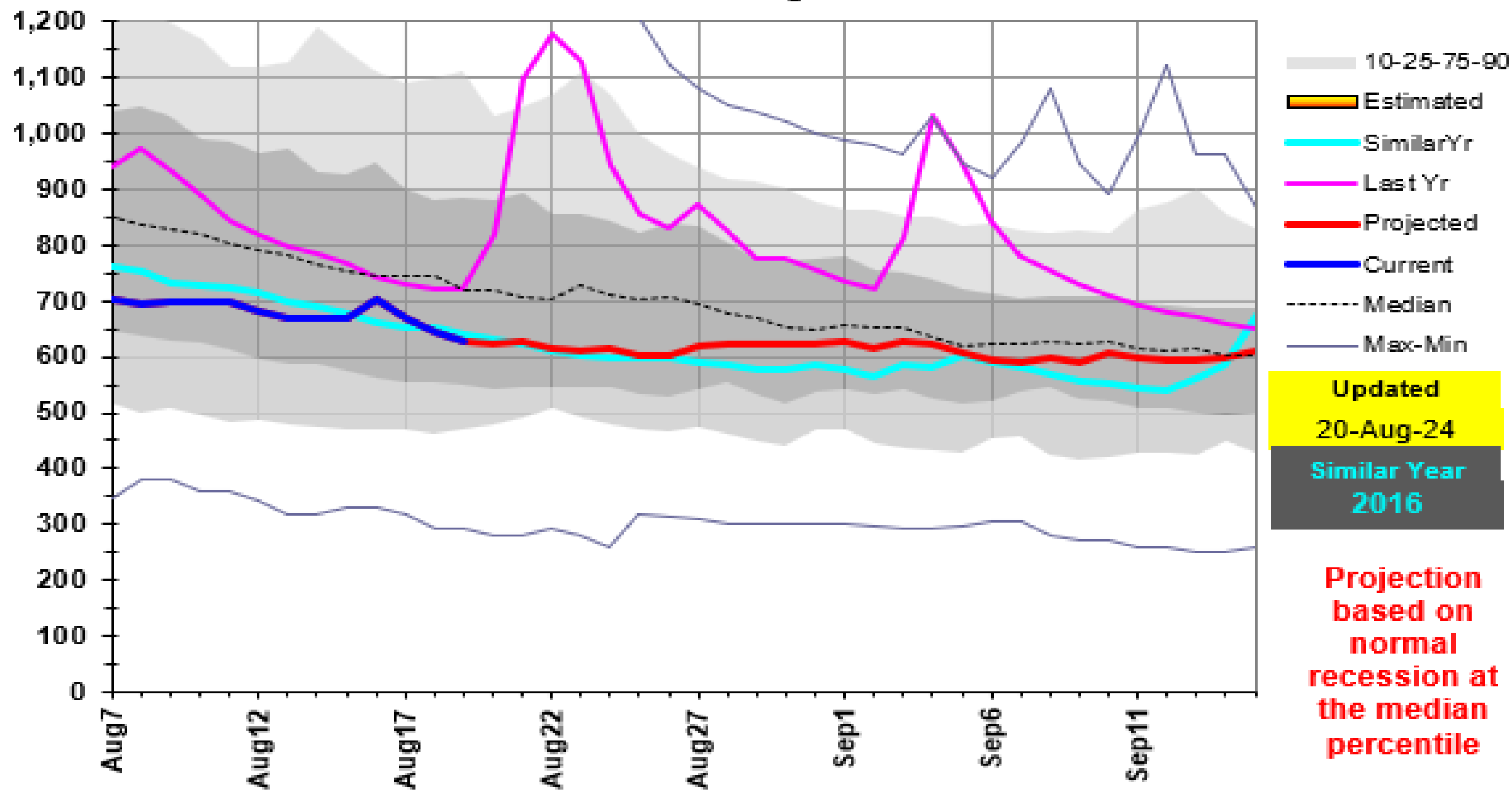
## Short-Term Temp & Precip Outlook:

7-Day Total Precipitation Forecast Aug 21-28 is looking promising for PNW & SW.

8-14 Day for Aug 28-Sep3 shows temps returning to above average again and potential for monsoon rains remains in SW.

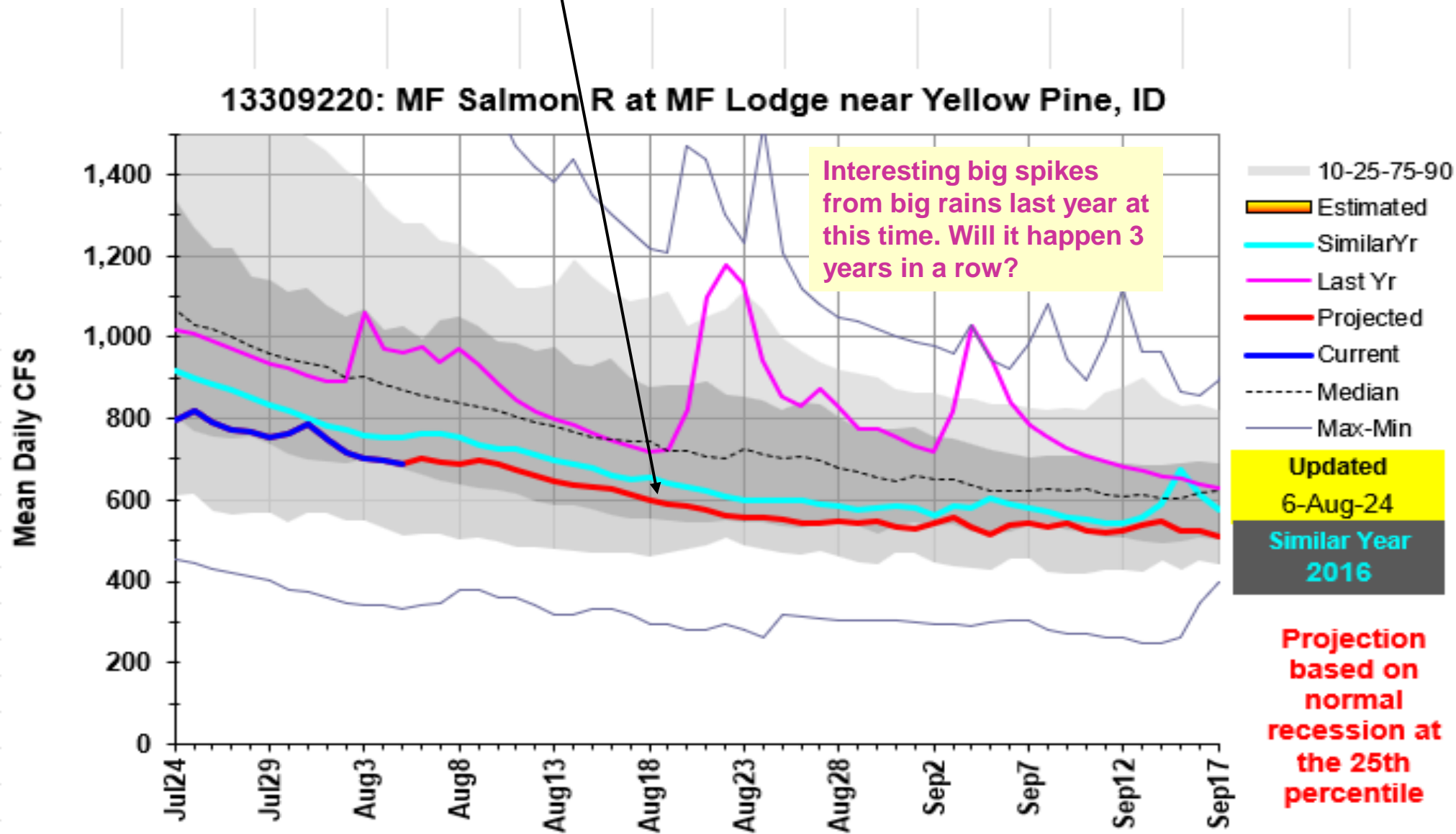
The OFFICIAL Sept forecast is what you see is what you get until the weather changes.  
Has anyone ever seen an UNOFFICIAL 30-Day Forecast?

# 13309220: MF Salmon R at MF Lodge near Yellow Pine, ID

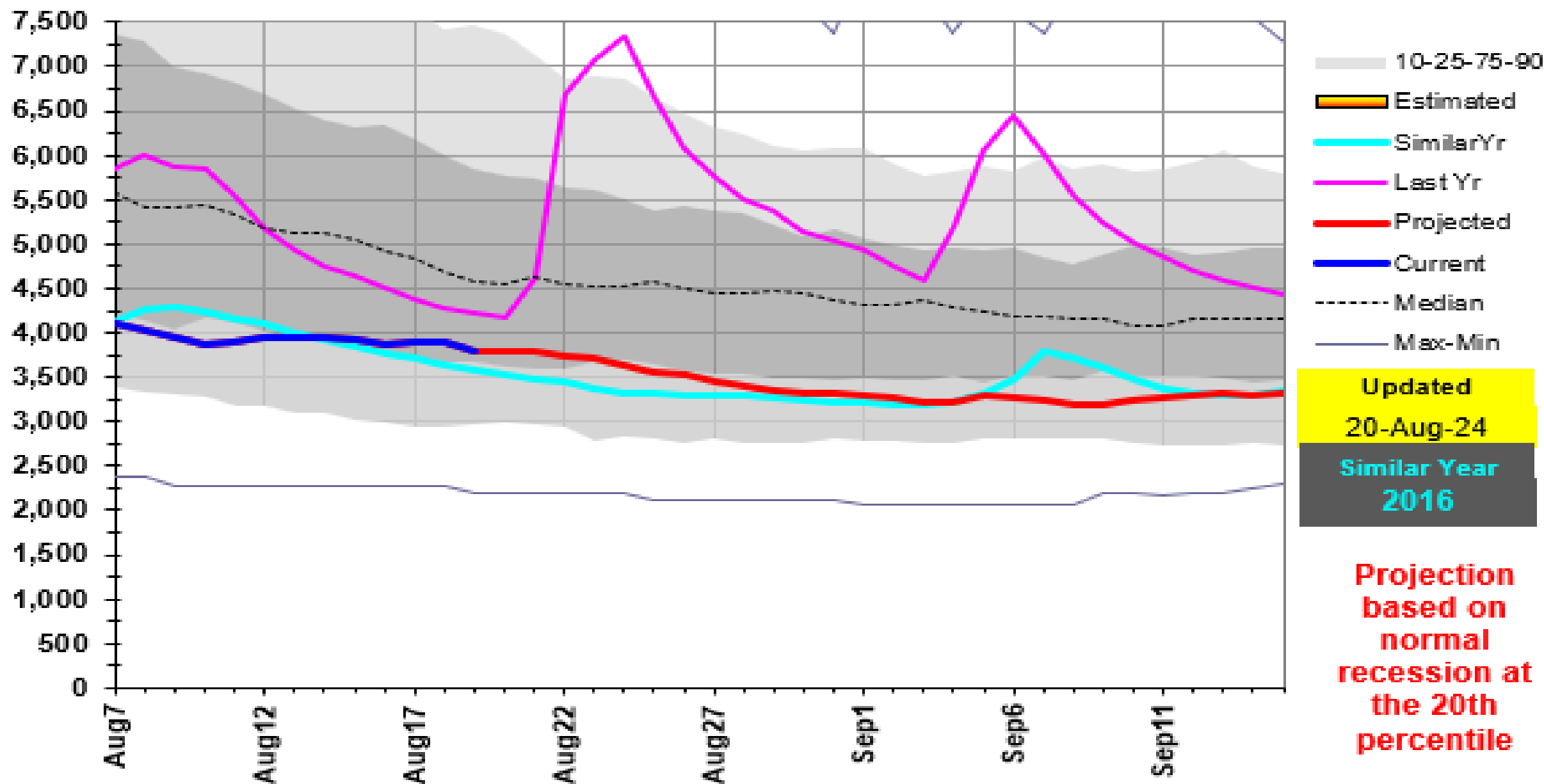


How did we do ?  
Always nice to see how the projections preformed.  
Aug 6 projection estimated flow at about 600 cfs for Aug 19.  
Actual flow was 627 mean daily cfs. Not bad.

2016 remains a good Similar Year flow year to use a guide. FYI – it was also a strong El Nino winter just like 2024. More on the coming winter soon...



# 13317000: Salmon R at White Bird, ID

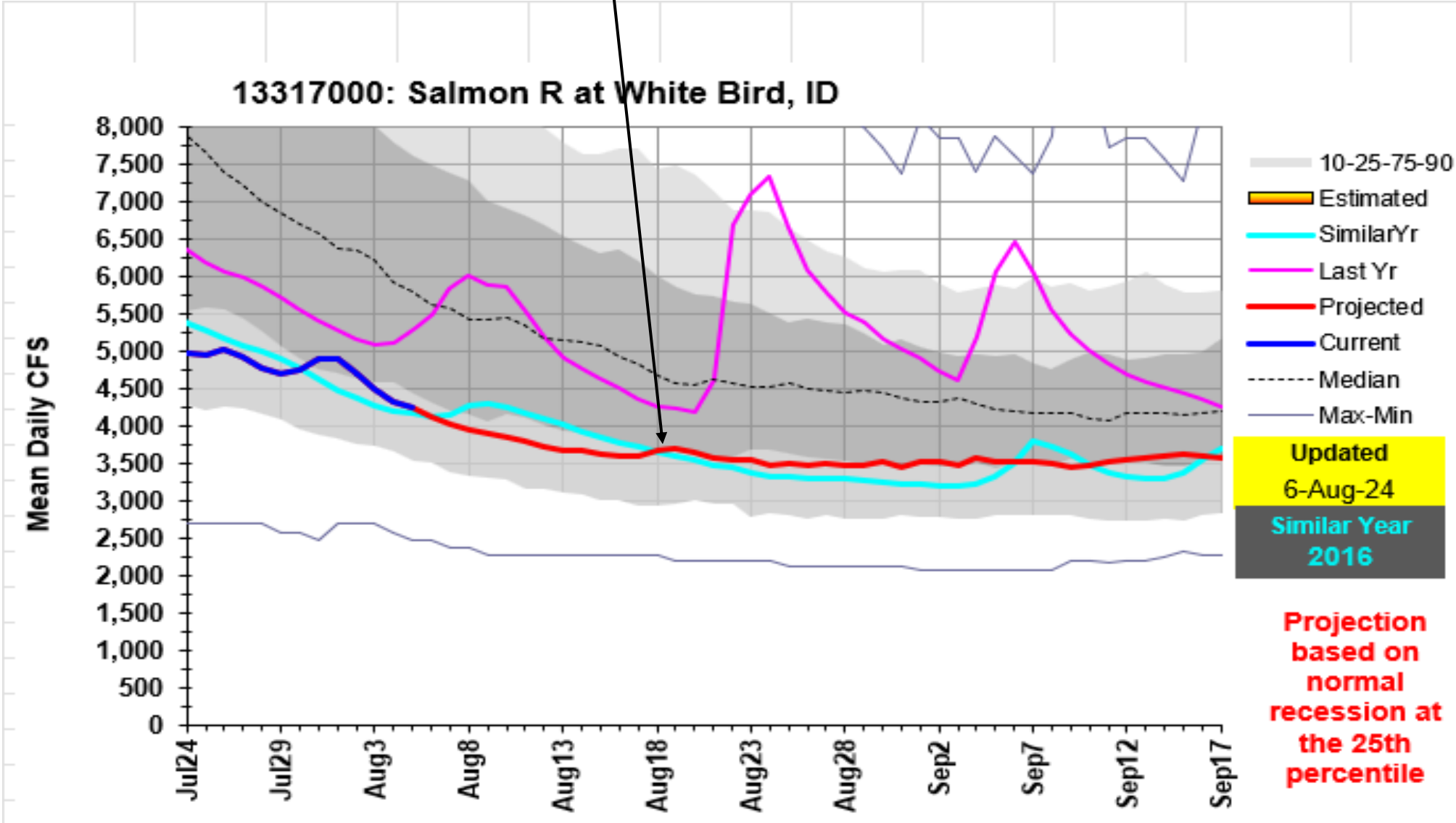




How did we do ?

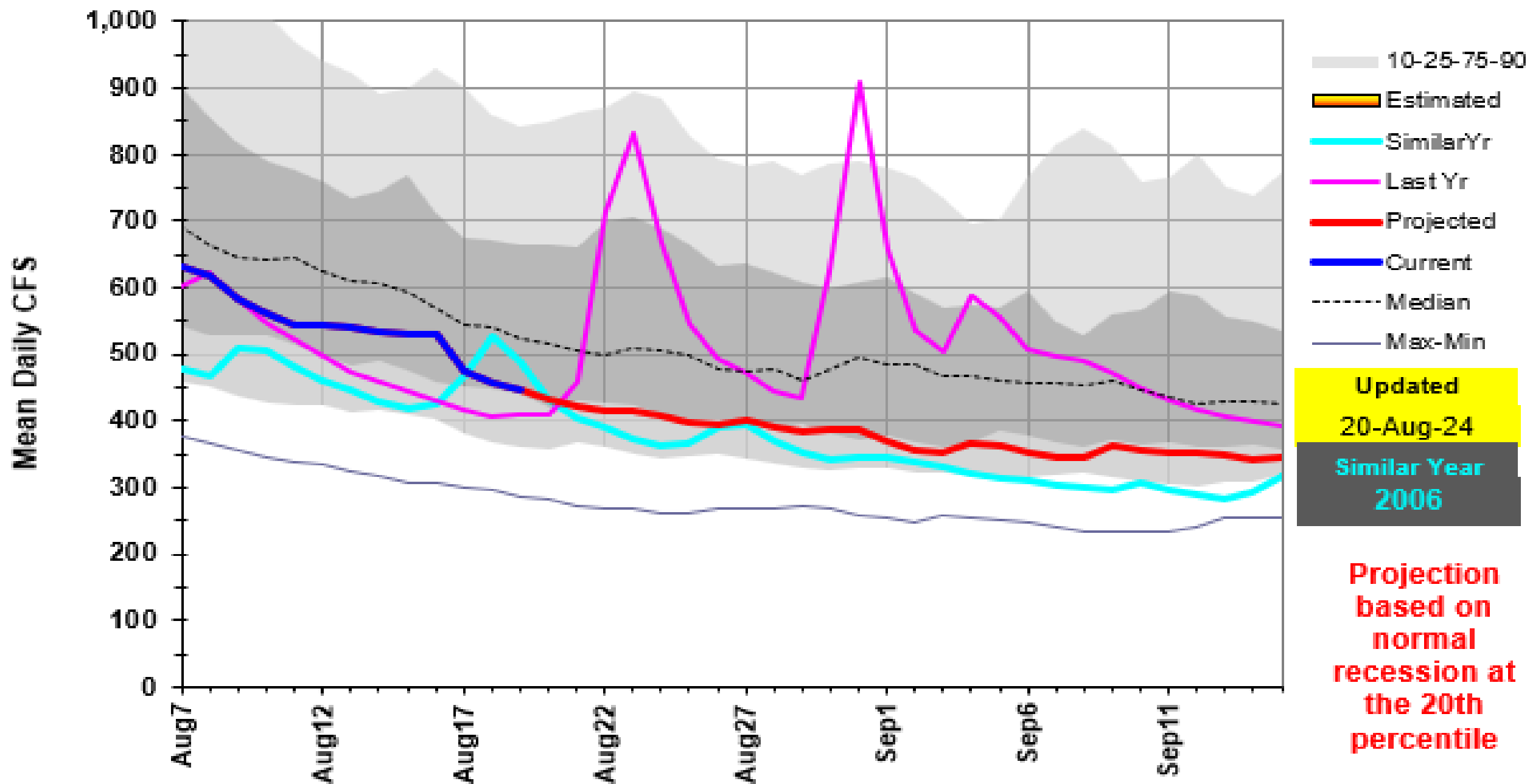
Aug 6 projection estimated flow at about 3750 cfs for Aug 19.

Actual flow was 3780 mean daily cfs. Sweet ! Something is working !

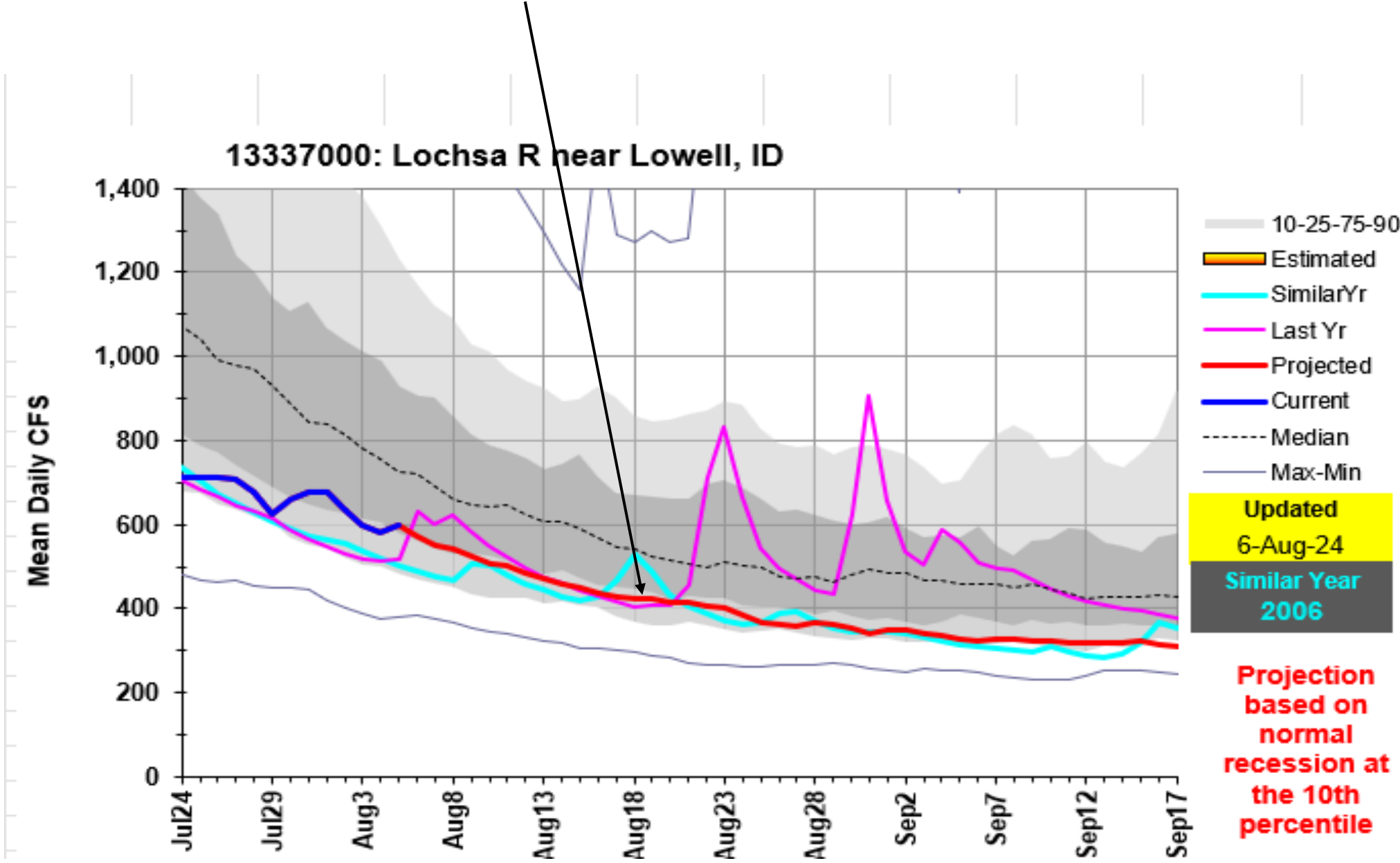




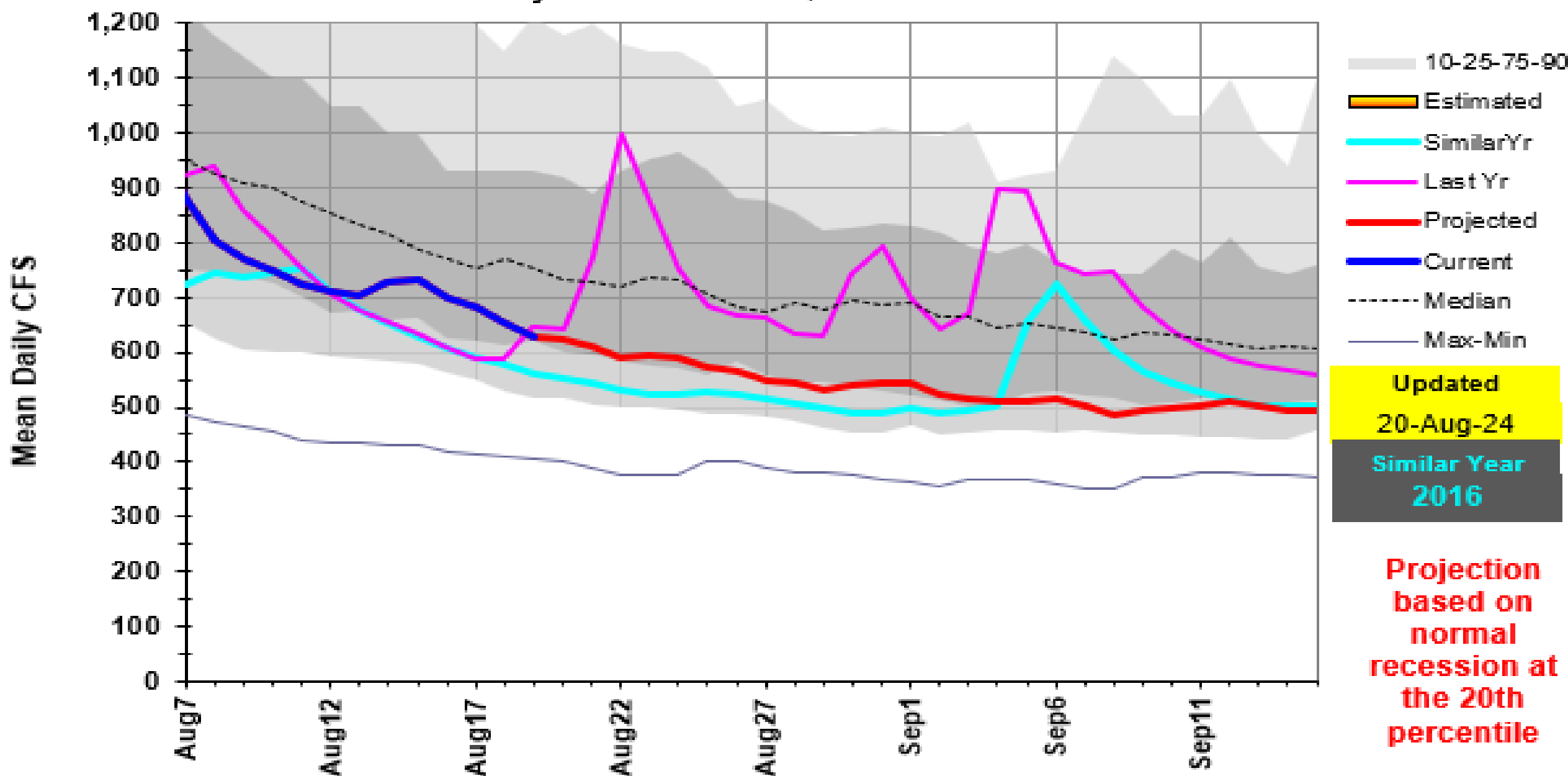
# 13337000: Lochsa R near Lowell, ID



How did we do ?  
Aug 6 projection estimated flow at about 420 cfs for Aug 19.  
Actual flow was 447 mean daily cfs.

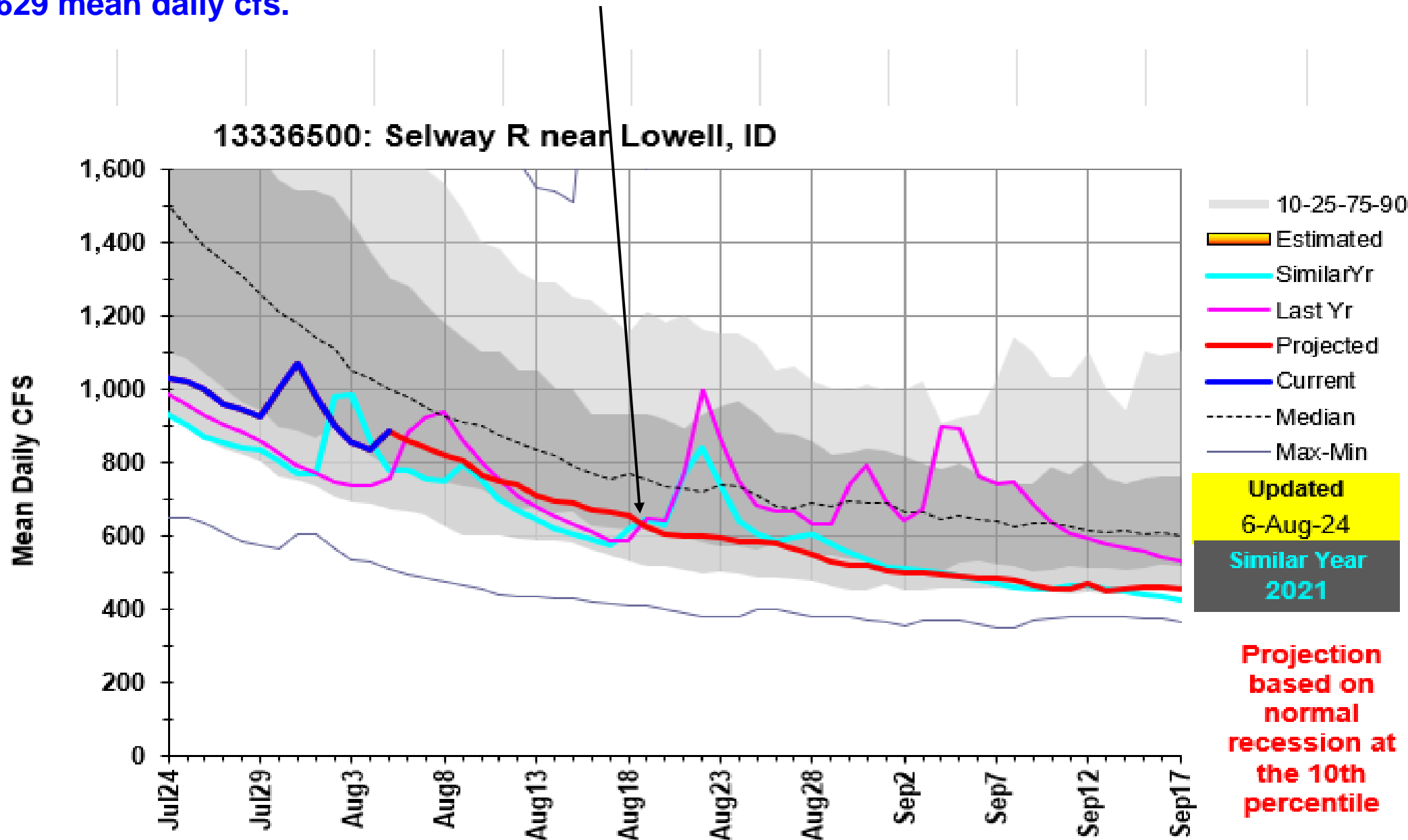


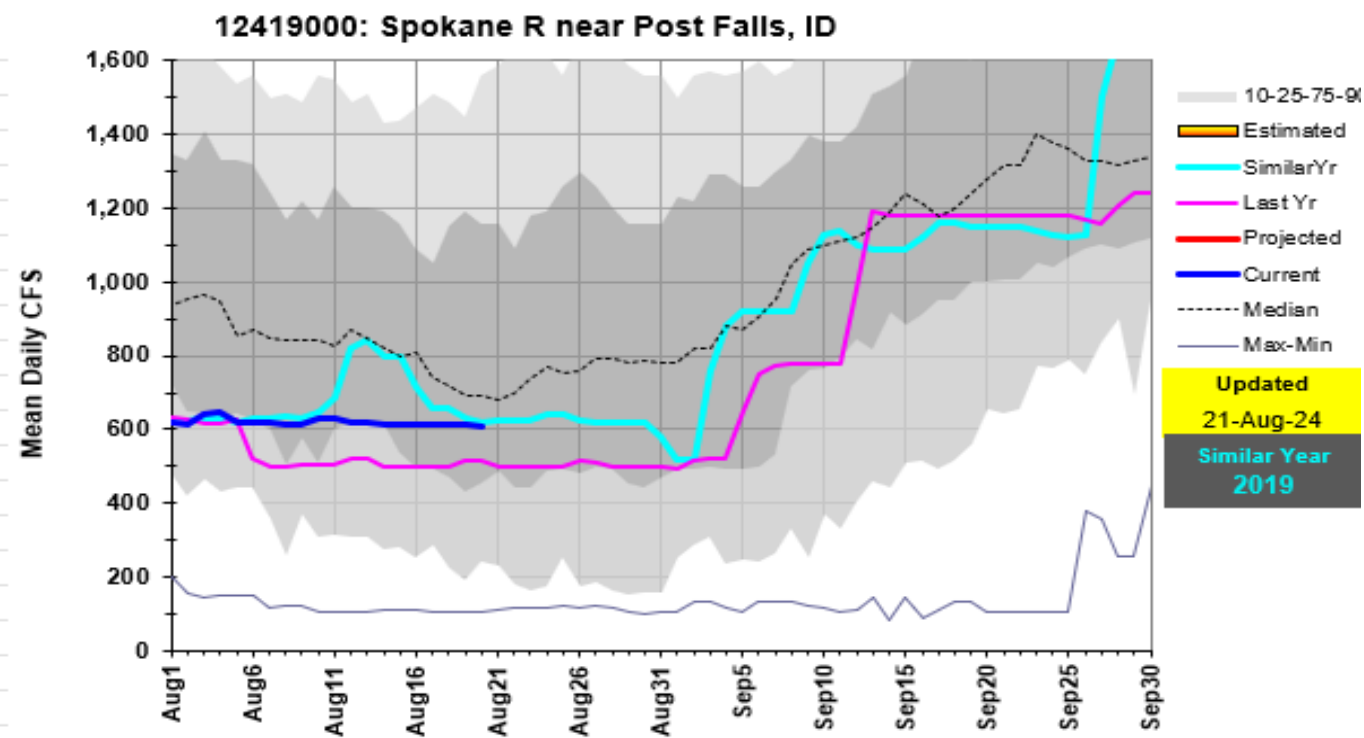
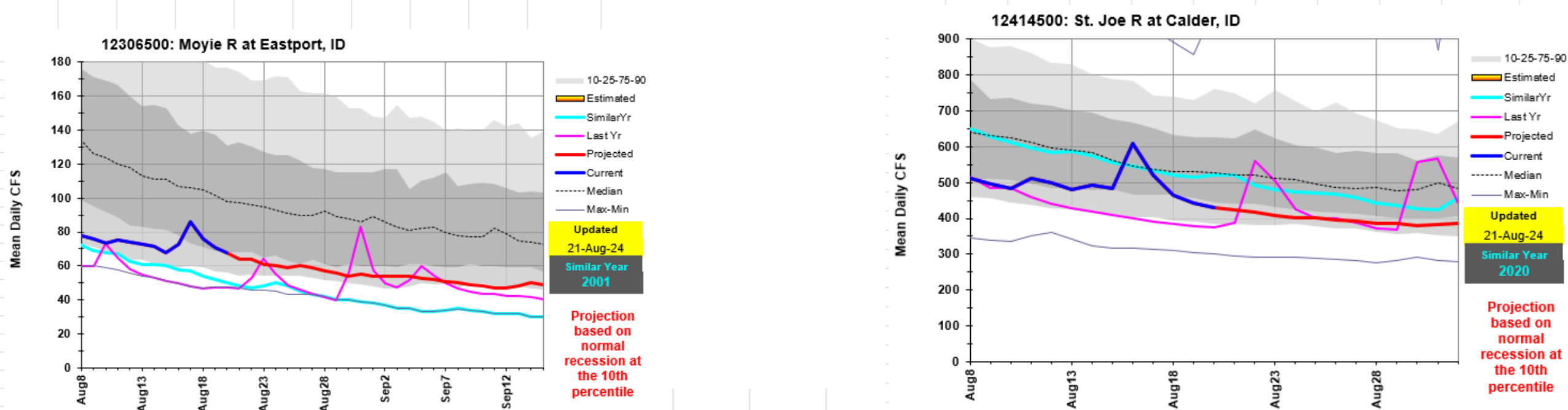
# 13336500: Selway R near Lowell, ID



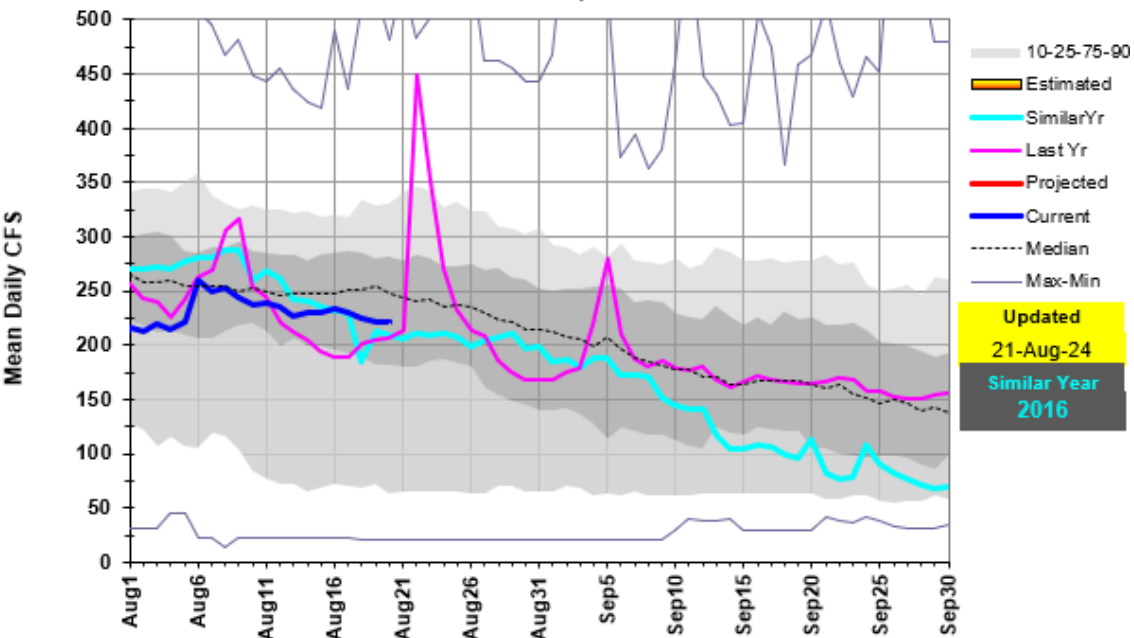


How did we do ?  
Aug 6 projection estimated flow at about 610 cfs for Aug 19.  
Actual flow was 629 mean daily cfs.

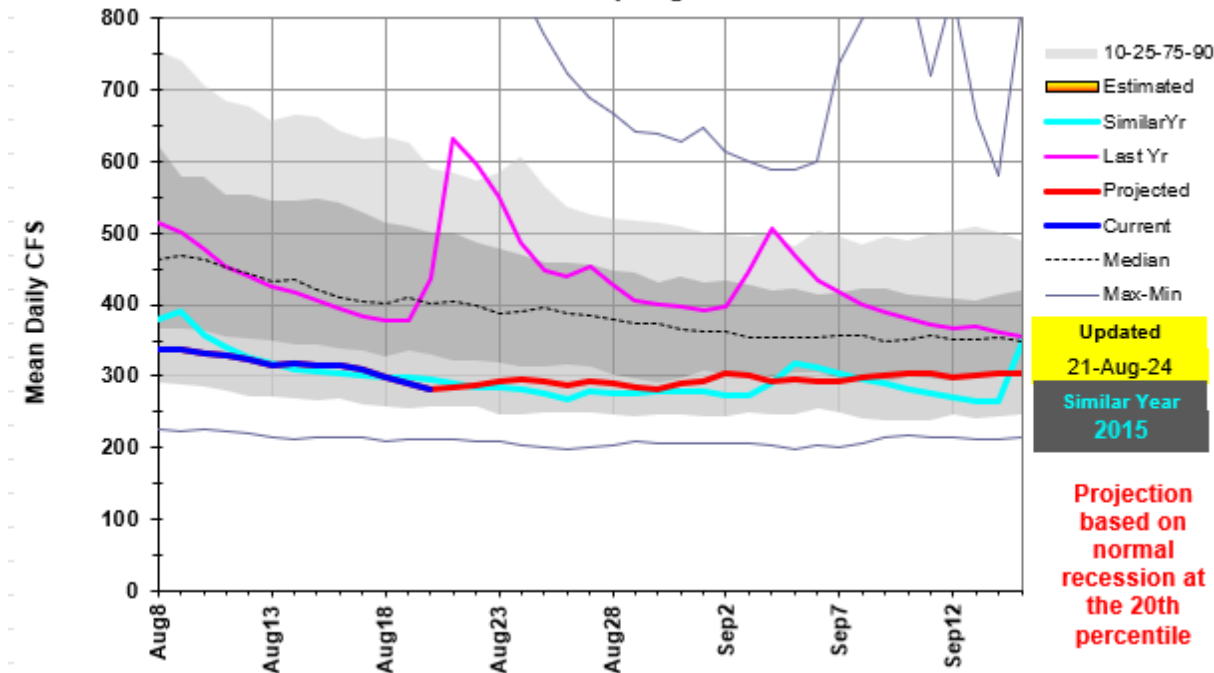




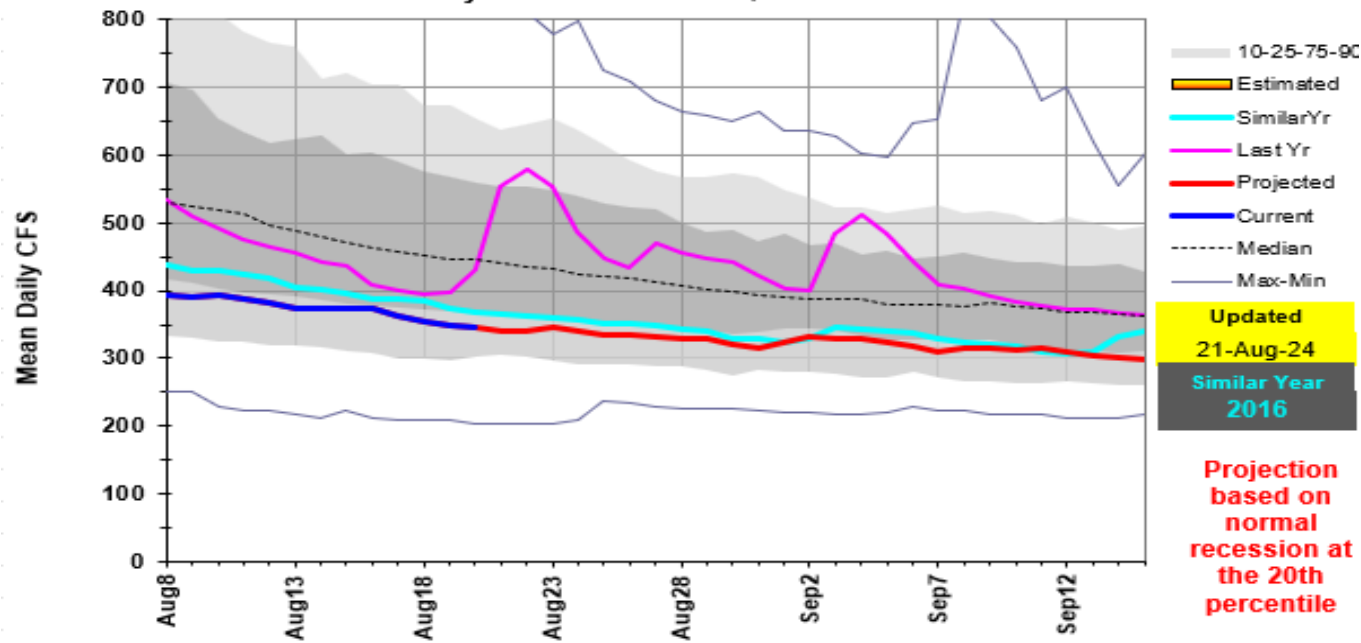
13266000: Weiser R near Weiser, ID



13185000: Boise R near Twin Springs, ID

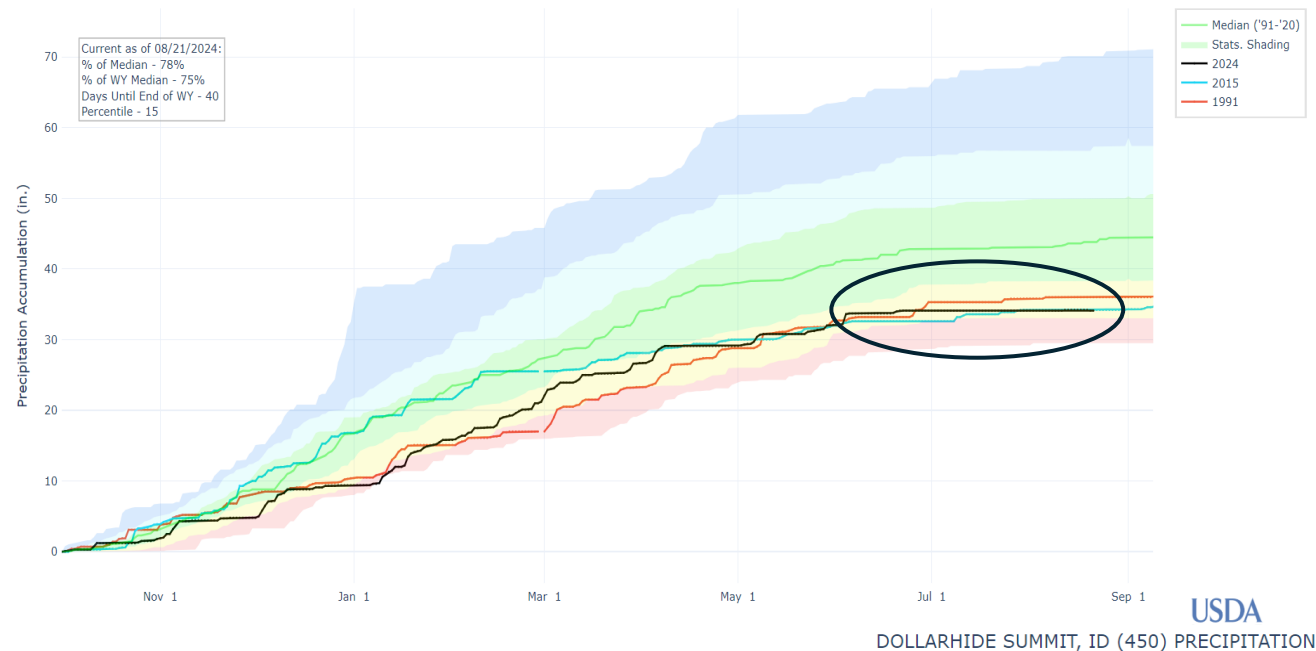


13235000: SF Payette R at Lowman, ID

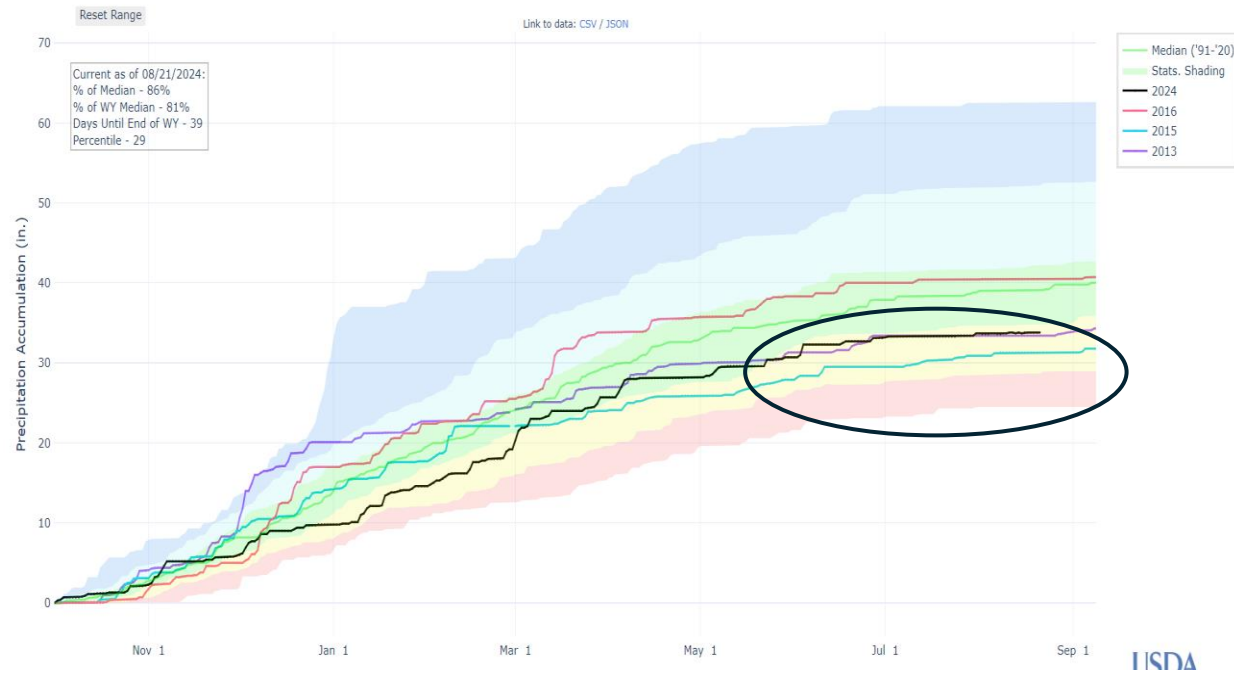




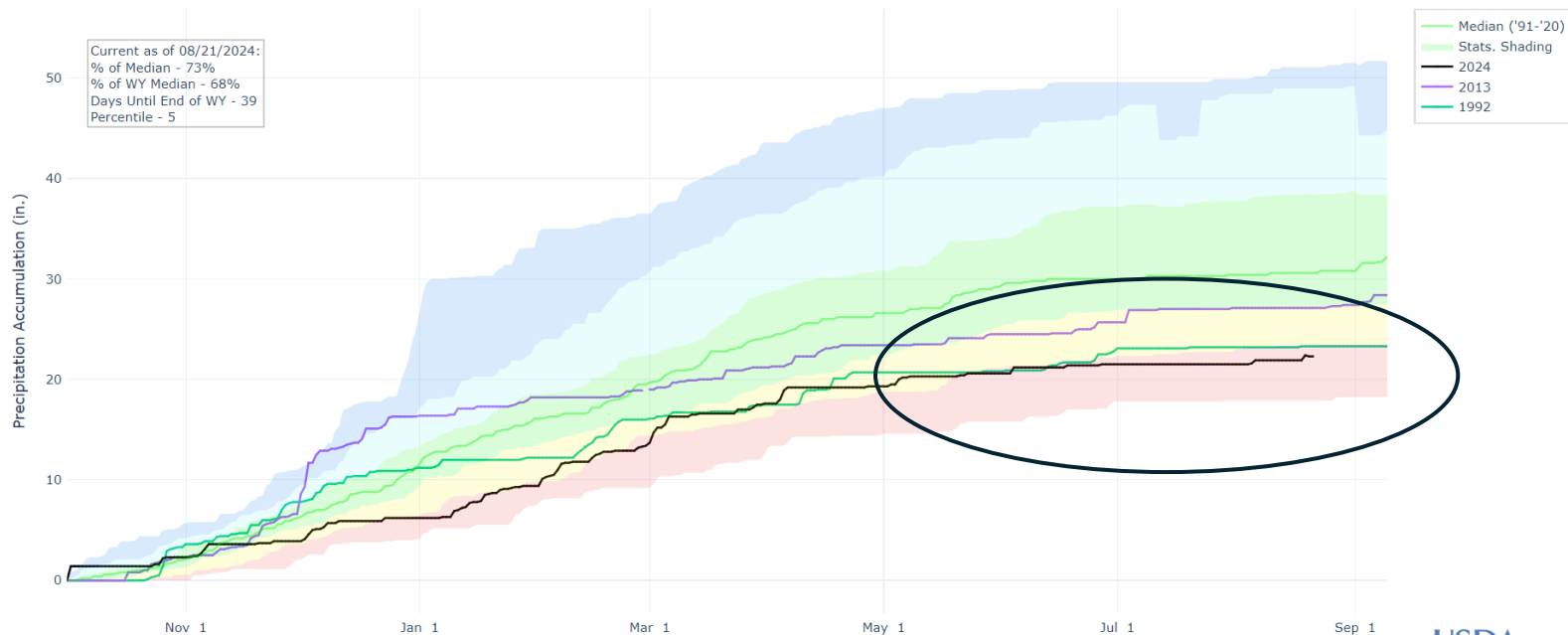
BIG CREEK SUMMIT, ID (338) PRECIPITATION ACCUMULATION



BANNER SUMMIT, ID (312) PRECIPITATION ACCUMULATION



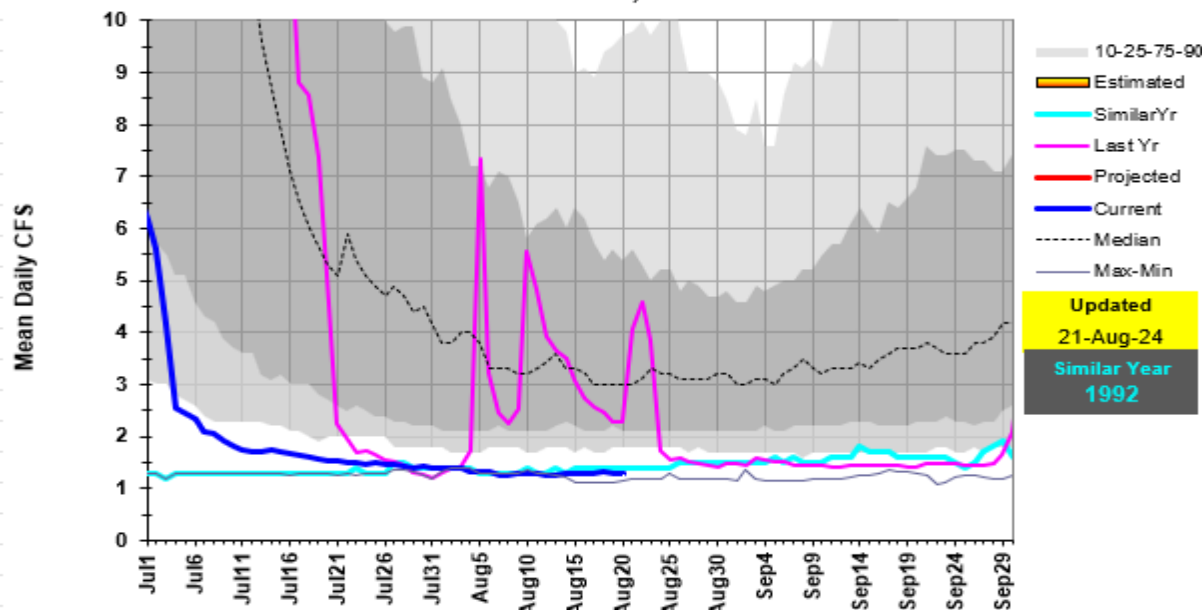
DOLLARHIDE SUMMIT, ID (450) PRECIPITATION



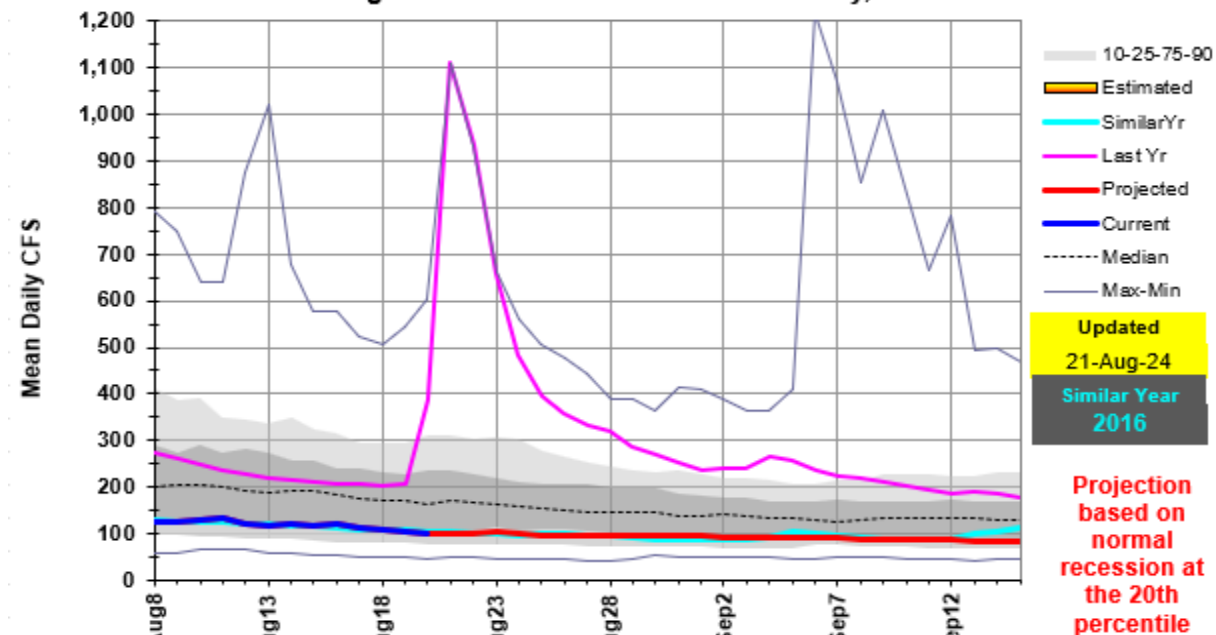
**Key SNOTEL sites  
that show dryness  
and lack of precip  
since May/June.**

**Consecutive days of  
lack of precip also  
correlates with forest  
fires, Charlie Luce,  
USDA Research  
Station.**

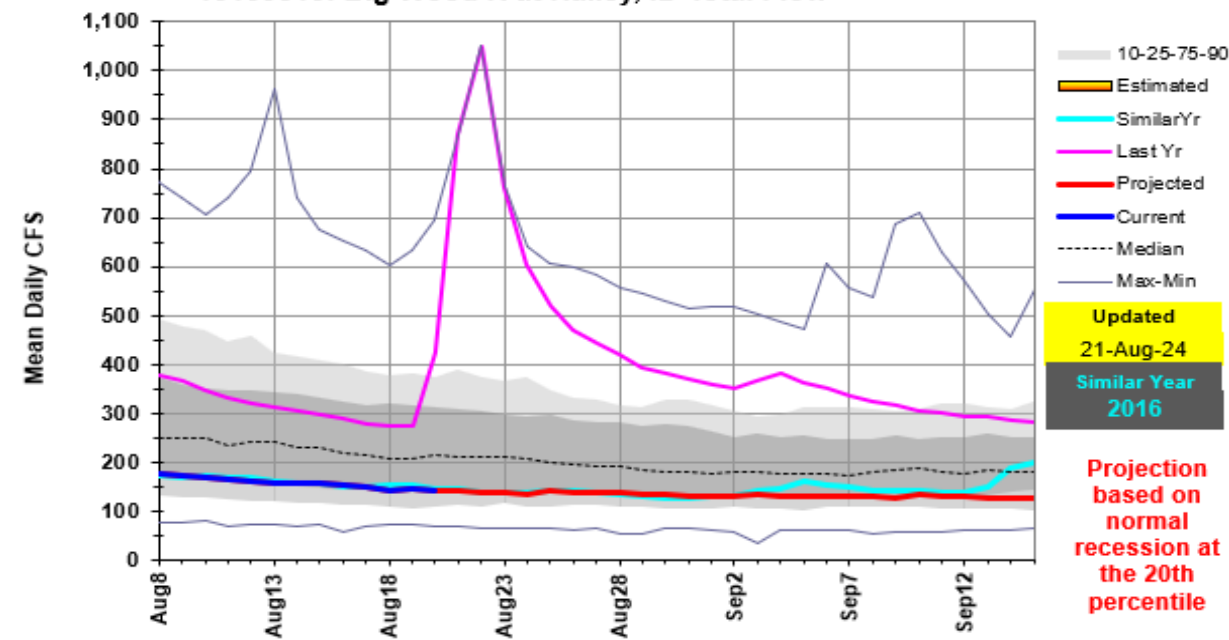
13141500: Camas Ck near Blaine, ID



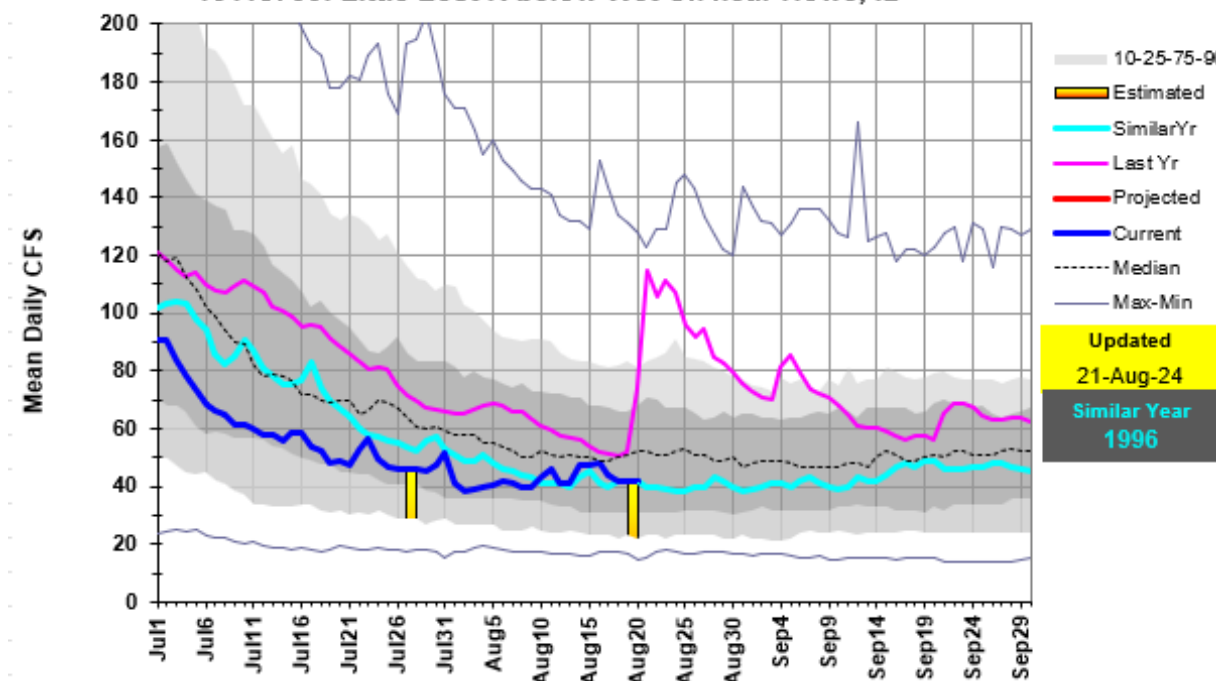
13120500: Big Lost R at Howell Ranch near Chilly, ID

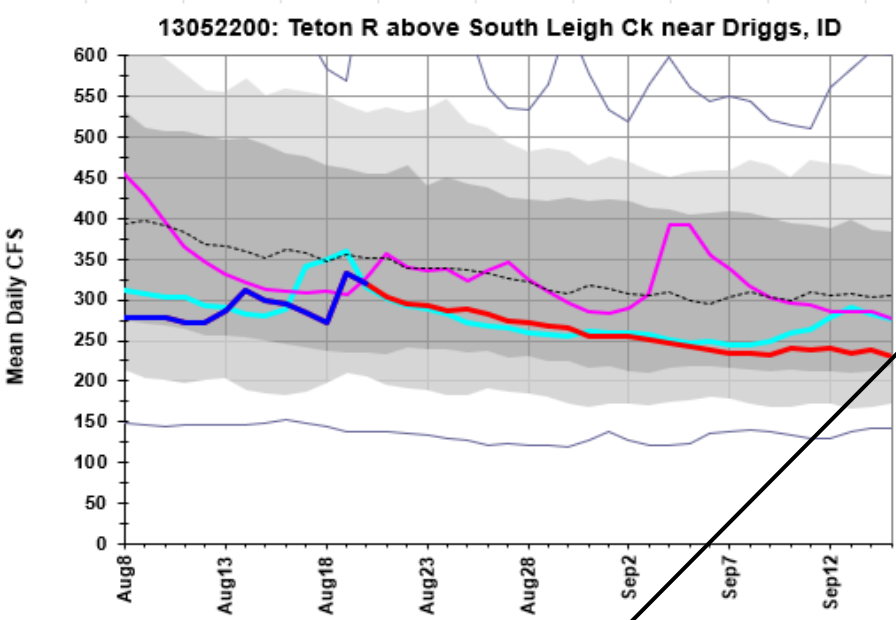


13139510: Big Wood R at Hailey, ID Total Flow



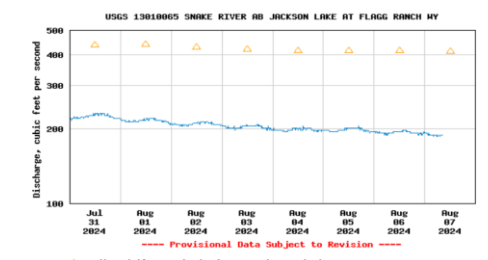
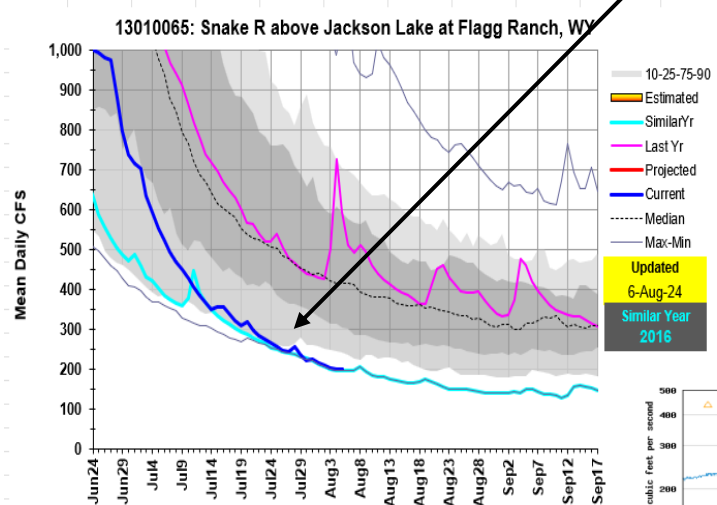
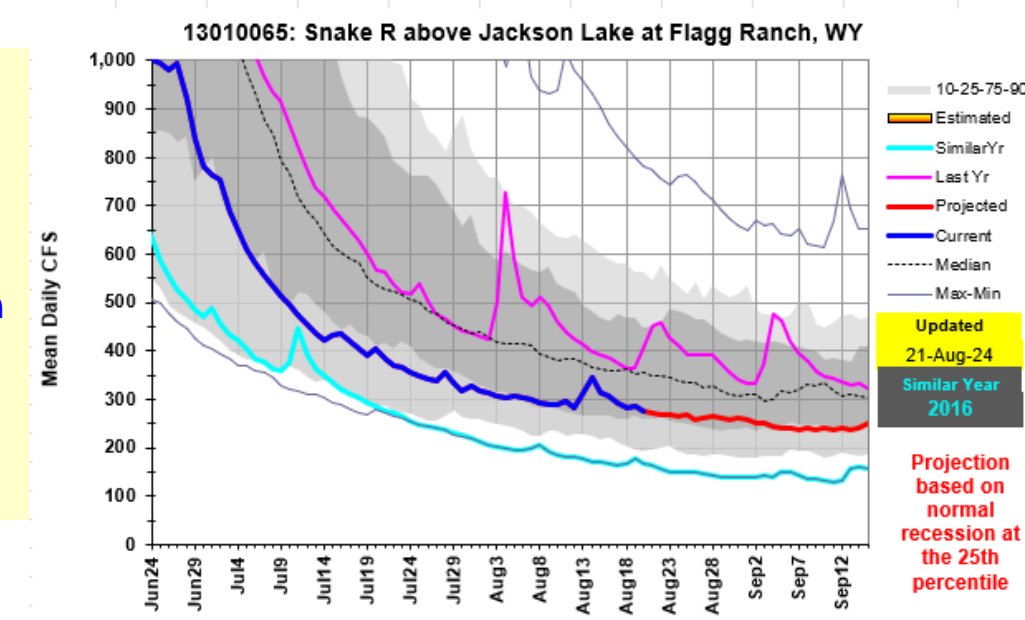
13118700: Little Lost R below Wet Ck near Howe, ID





Looks like the record low flows from last update were not really that low.

Equipment malfunction - data have been corrected and puts the flows in the 20-25%ile range like other rivers.

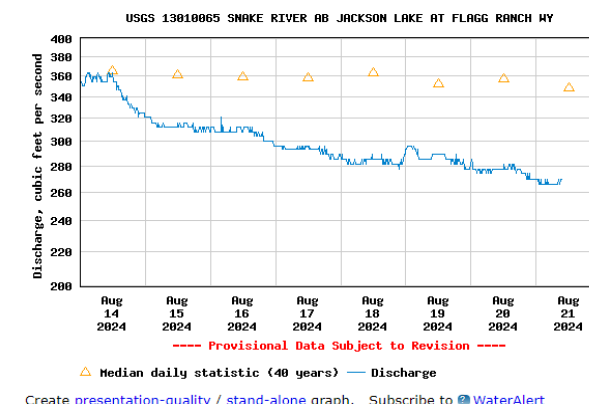
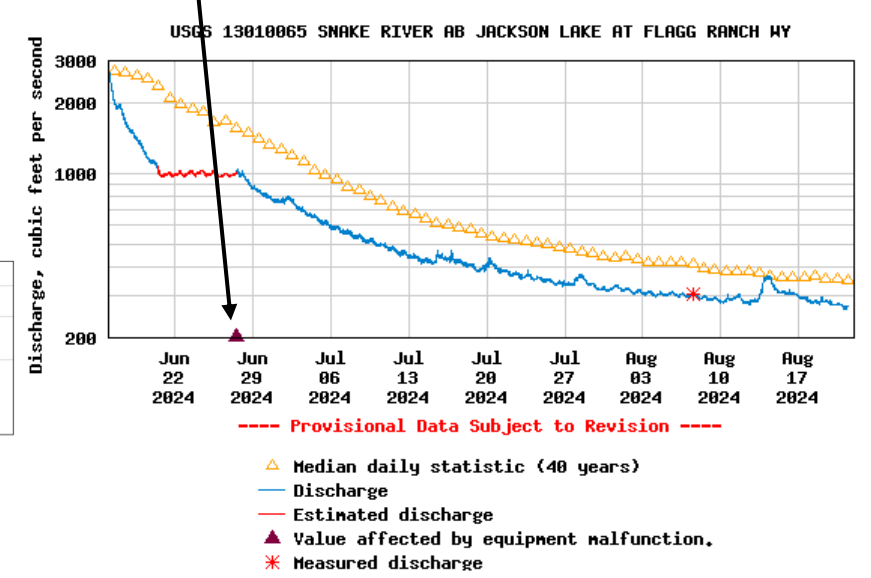


Daily discharge, cubic feet per second -- statistics for Aug 7 based on 40 water years of record [more](#)

Most Recent Instantaneous Value Aug 7	Min (2016)	25th percent- tile	Median	Mean	75th percent- tile	Max (1997)
189	197	286	412	442	567	967

Discharge, cubic feet per second

Most recent instantaneous value: 270 08-21-2024 09:30 MDT



Create [presentation-quality](#) / [stand-alone](#) graph. Subscribe to [WaterAlert](#)

See this graph on the [Monitoring Location Pages](#)

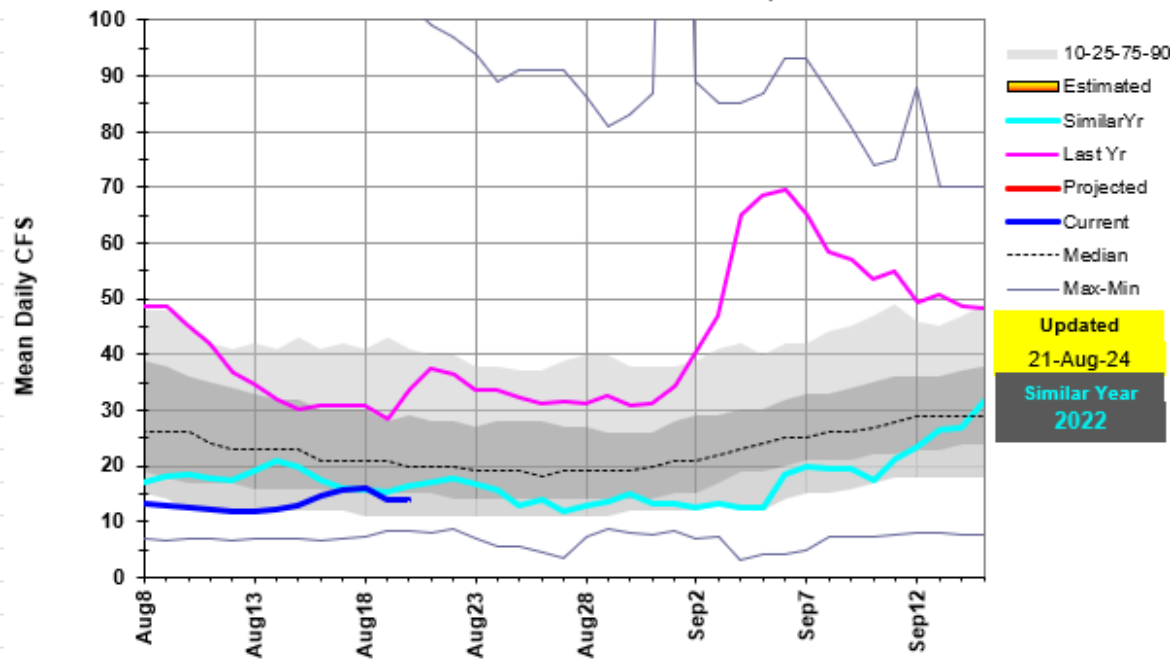
[Share this graph](#) |

Daily discharge, cubic feet per second -- statistics for Aug 21 based on 40 water years of record [more](#)

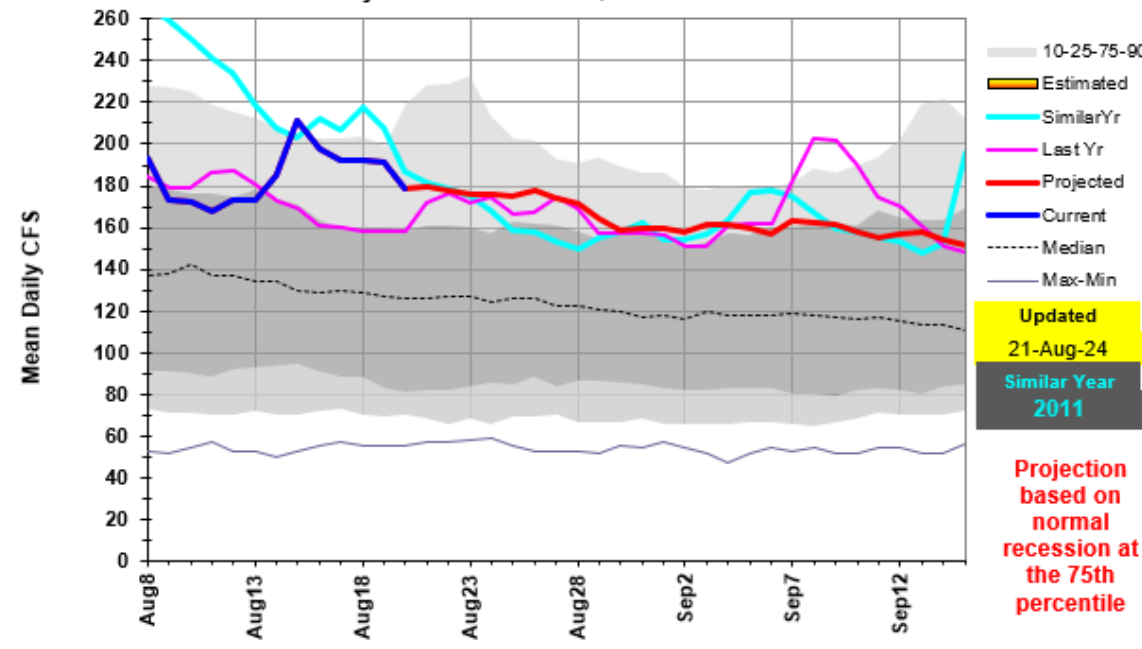
Min (2016)	25th percent- tile	Most Recent Instantaneous Value Aug 21	Median	Mean	75th percent- tile	Max (1997)
162	258	270	348	371	450	773



13105000: Salmon Falls Ck near San Jacinto, NV



13181000: Owyhee R near Rome, OR



13168500: Bruneau R near Hot Spring, ID

