CBRFC Forecast Update: Upper Green and Yampa

April 30, 2015
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NWS Colorado Basin River Forecast Center







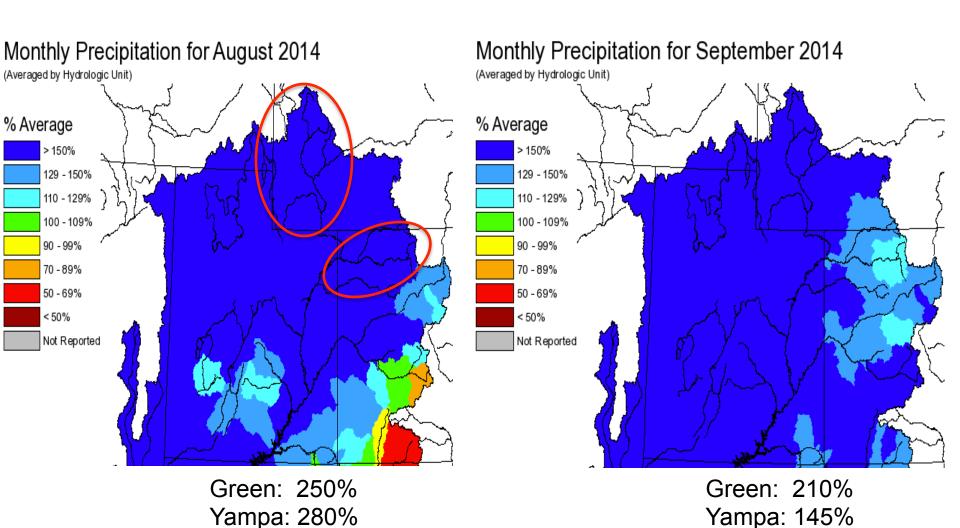


Today's Presentation

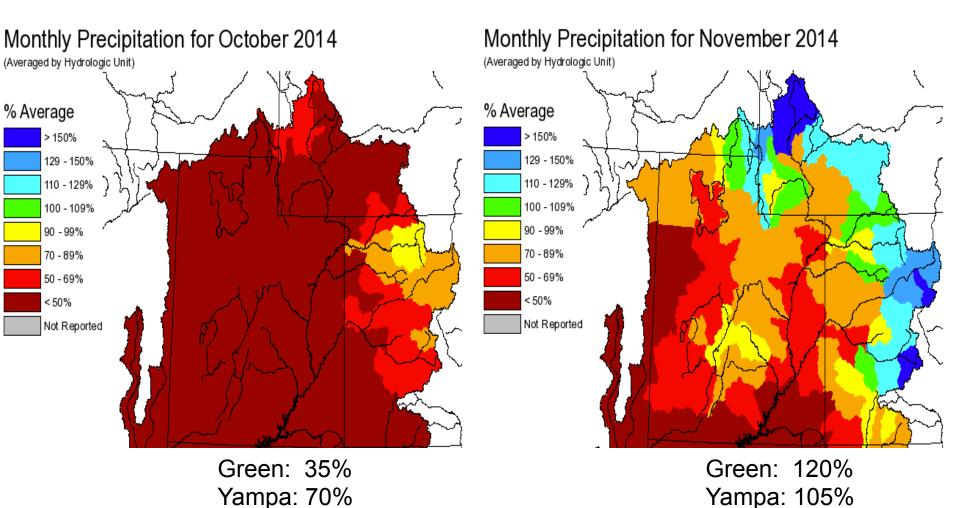


- Weather Review (Fall + Winter)
- Current conditions driving forecast:
 - Soil Moisture
 - Snow Conditions
- Forecasts
 - April-July Water Supply Volumes
 - Yampa Peak Flow
- Upcoming Weather

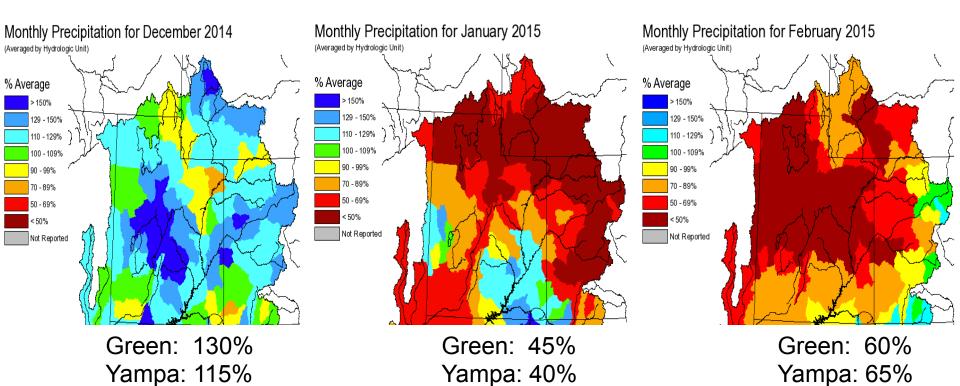
Late Summer/ Fall Precipitation



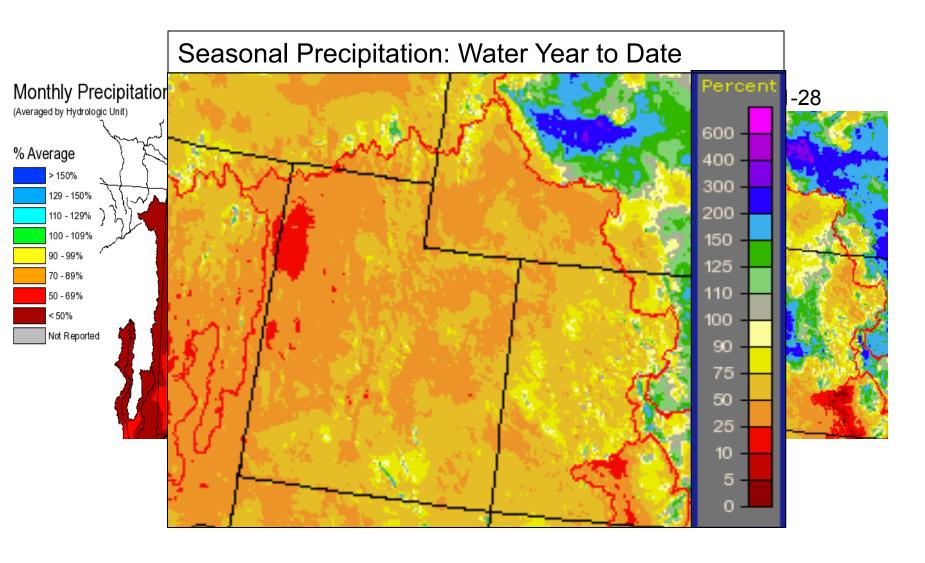
Fall Precipitation



Winter Precipitation

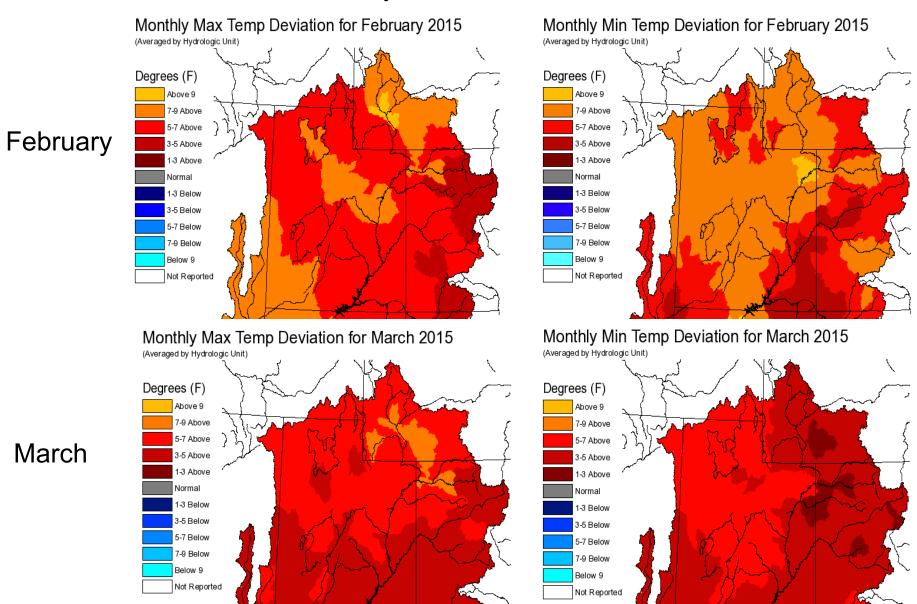


Spring and Seasonal Precipitation

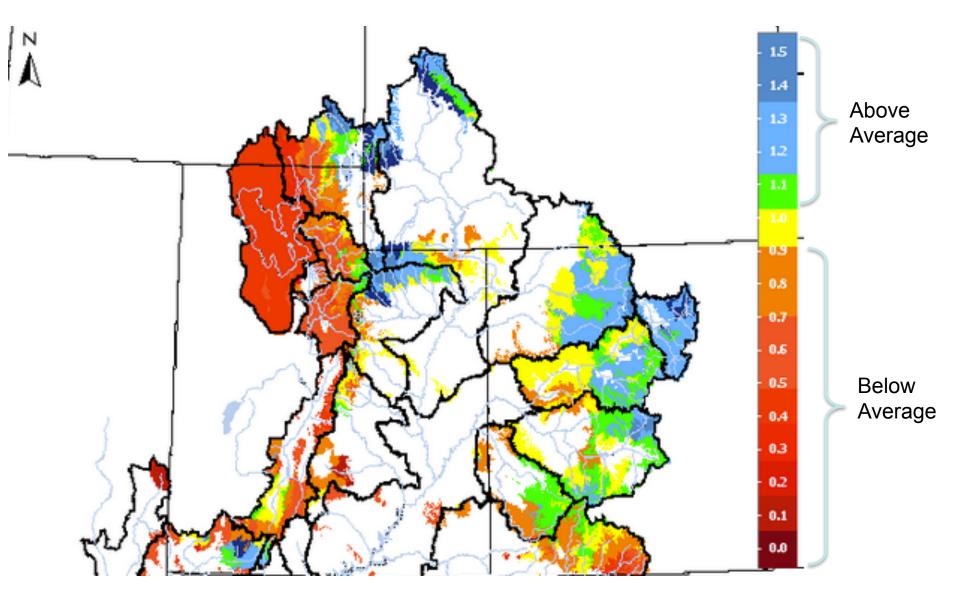


February/March Temperatures

* Warmest February/March on Record - Several Locations *



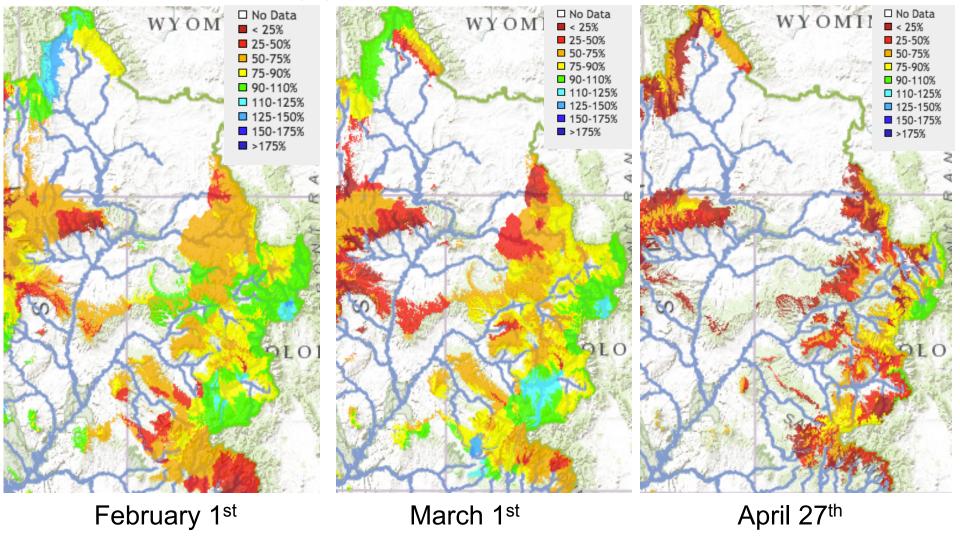
Forecast Drivers: Soil Moisture Entering Winter



Soil Moisture (as a % of average): CBRFC Forecast Model

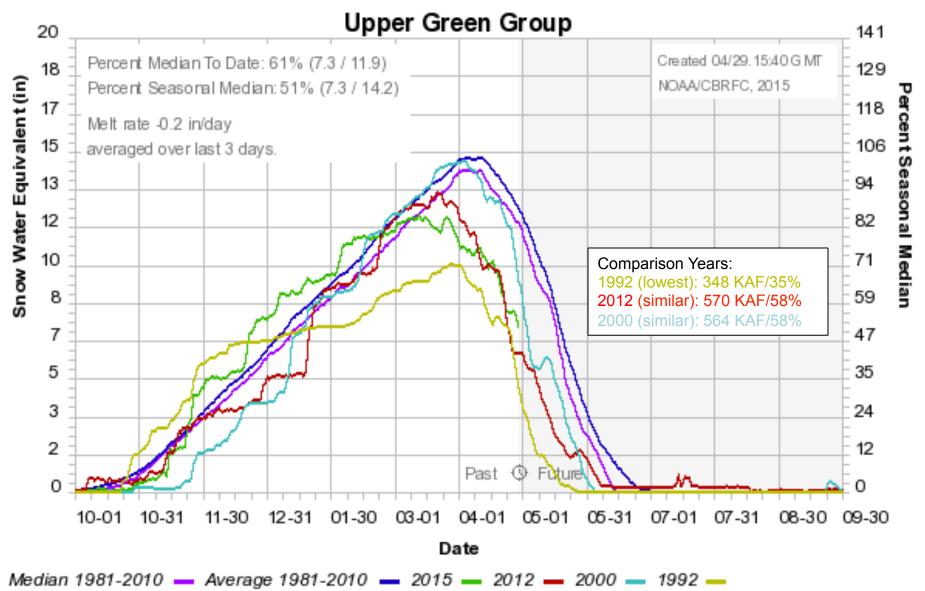
Forecast Drivers: Snow Conditions

Snow (as a % of average): CBRFC Forecast Model



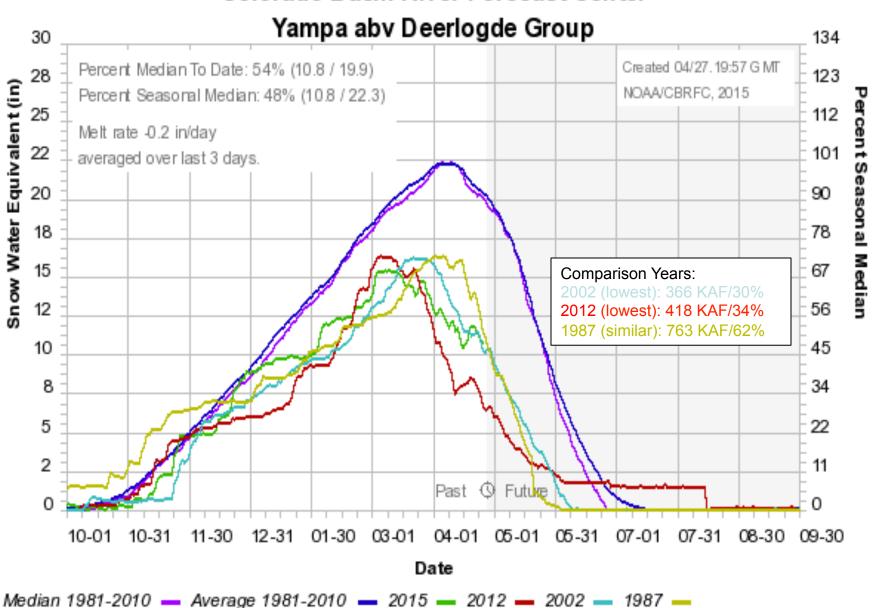
Forecast Drivers: Snow Conditions

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Forecast Drivers: Snow Conditions

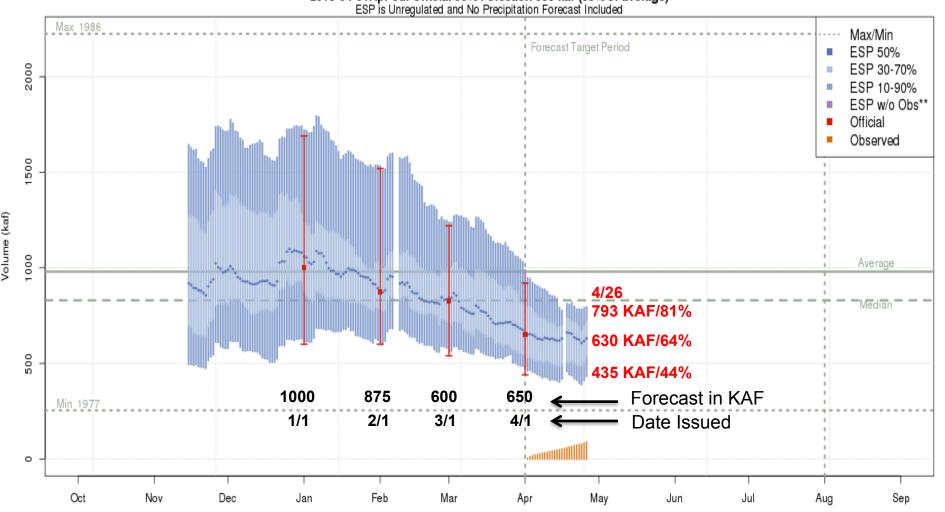
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Forecast: Flaming Gorge Inflow

Seasonal Forecast Progression

Green - Flaming Gorge Res- Flaming Gorge Dam- At (GRNU1) 2015-04-01 Apr-Jul Official 50% Forecast: 650 kaf (66% of average)

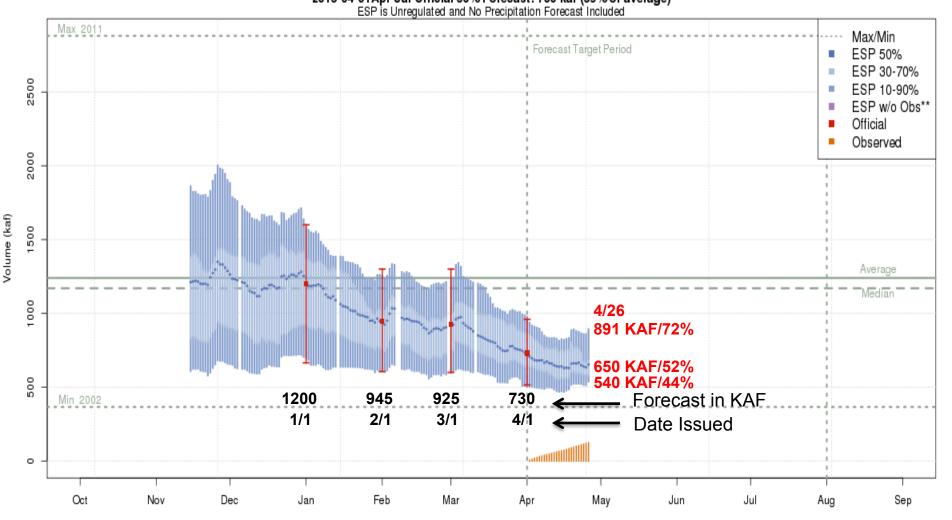


The latest (2015-04-26) 50% ESP forecast is 630 kaf.
Plot Created 2015-04-26 14:16:34, NOAA / NWS / CBRFC
Forecasts in the forecast target period include observed values.

Forecast: Yampa near Deerlodge

Seasonal Forecast Progression

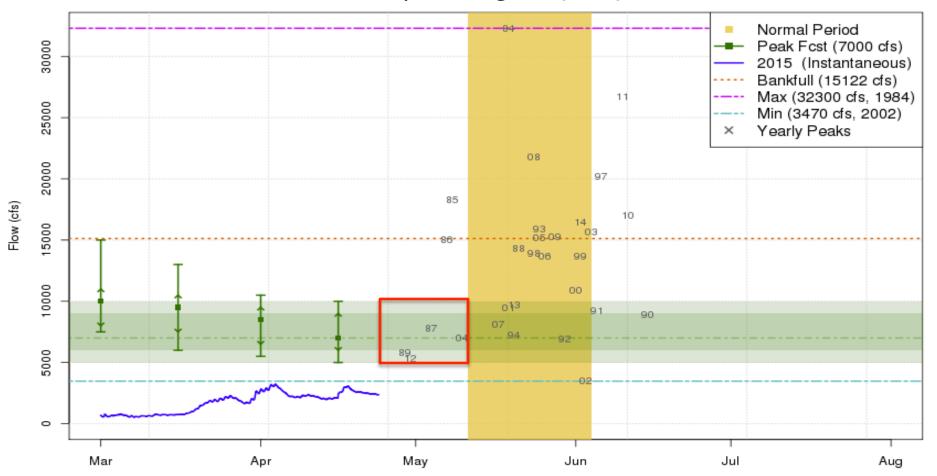
Yampa - Deerlodge Park (YDLC2) 2015-04-01Apr-Jul Official 50% Forecast: 730 kaf (59% of average)



The latest (2015-04-26) 50% ESP forecast is 653 kaf.
Plot Created 2015-04-26 14:42:53, NOAA / NWS / CBRFC
Forecasts in the forecast target period include observed values.

Peak Flow Forecast

2015 Mean Daily Peak Flow Forecast Yampa - Deerlodge Park (YDLC2)

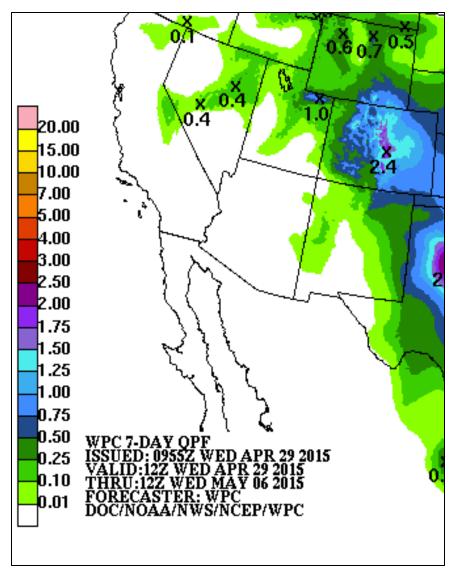


These graphics are updated approximately every two weeks between 3/1 and 5/1 Plot Created 2015-04-23 15:23:16 CBRFC / NWS / NOAA

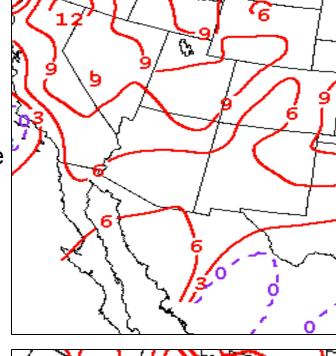
ID	River	Location	Flood Flow		Issue Date	Mean Daily 75	Mean Daily 50		Mean Daily 10		Inst 75	Inst 50	Inst 25	Inst 10	
YDLC2	Yampa	Deerlodge Park	NA	\limits	2015- 04-16	6000	7000	9000	10000	5400	6400	7400	9400	10000	

Weather Forecasts

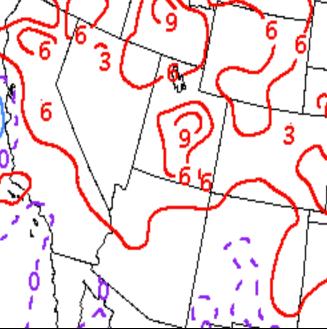
7 Day Forecast Precipitation Issued 4/29



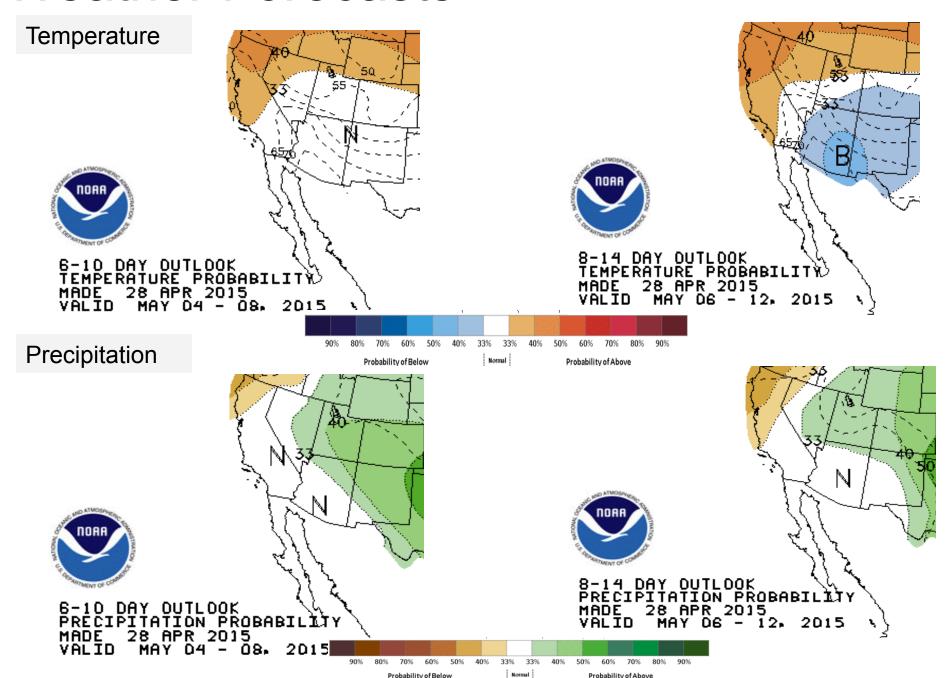
Days 1-5 Mean Max Temperature Anomaly Issued 4/29



Days 3-7 Mean Max Temperature Anomaly Issued 4/29

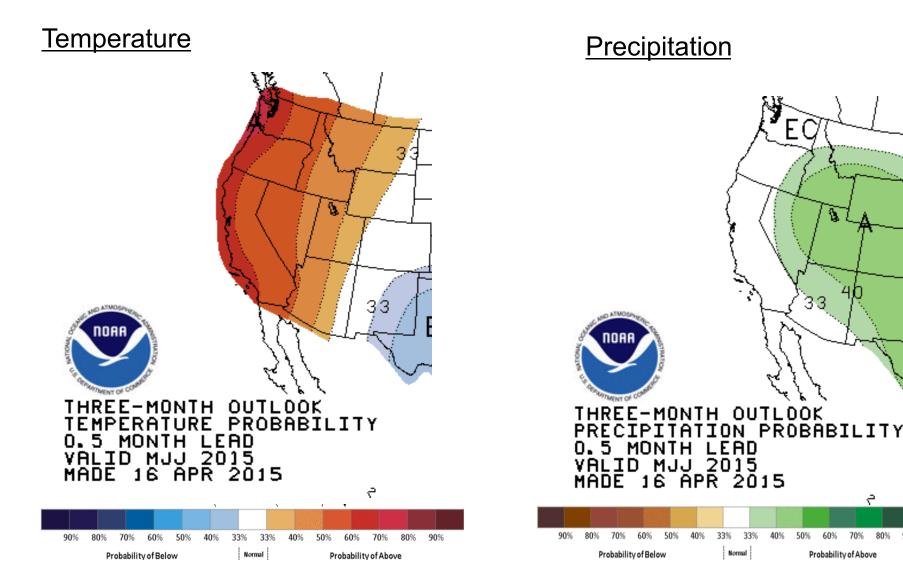


Weather Forecasts

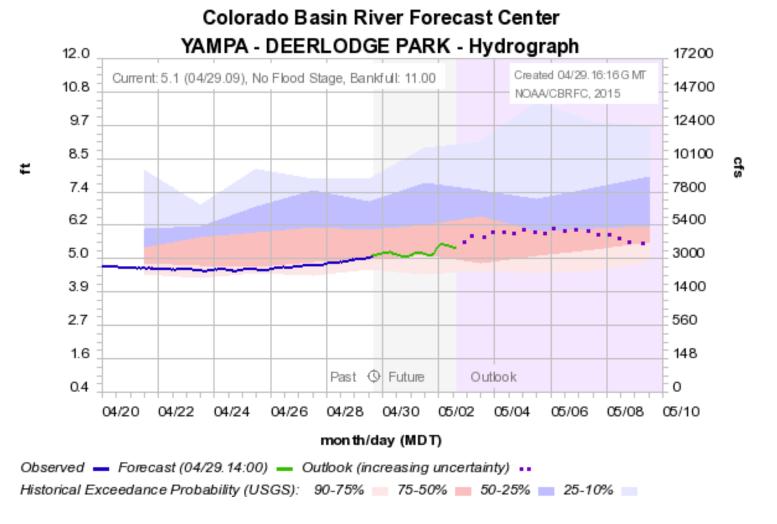


Long Term Weather Outlook

3 month Outlook: May-July



Yampa-10 day Streamflow Forecast



- Flows could get to ~5000 cfs late next week
- Uncertainty in temperature and precipitation forecasts

Questions??



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