RECLAMATION

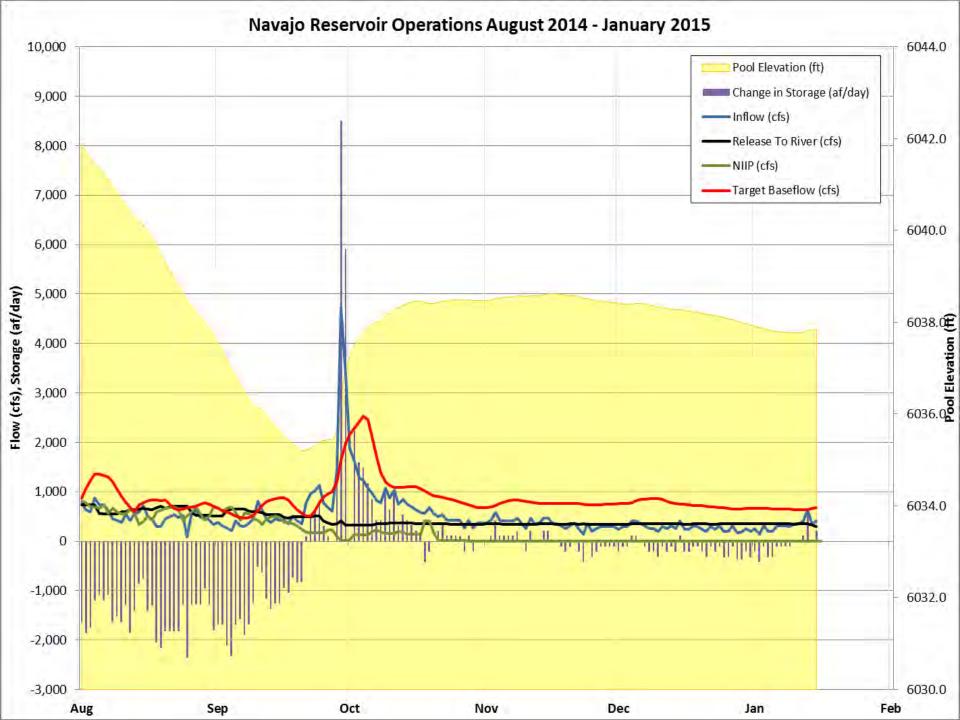
Managing Water in the West

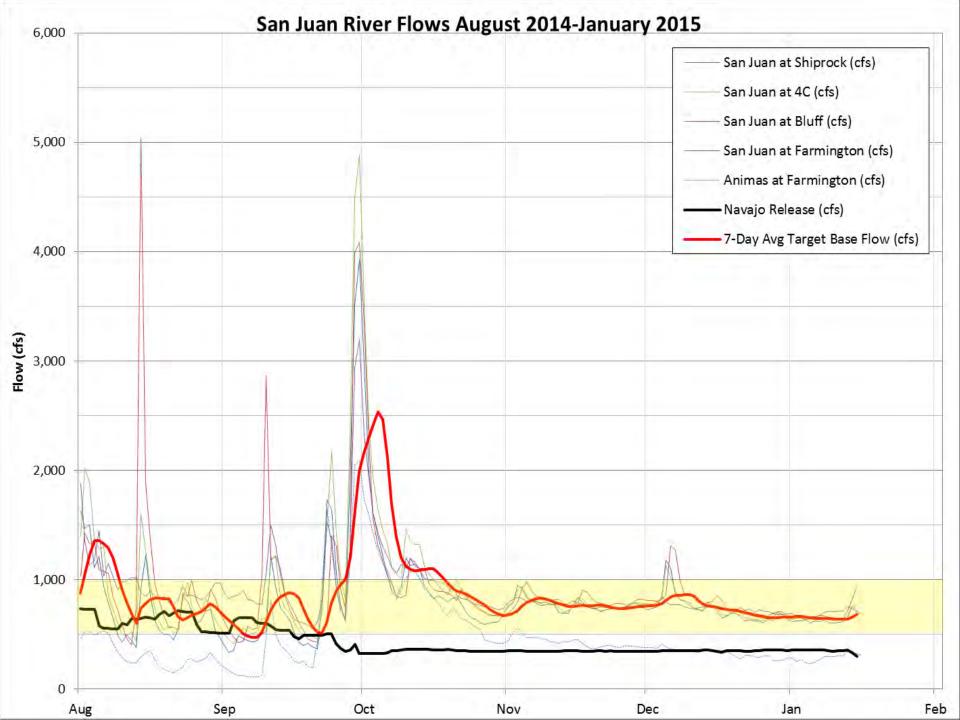


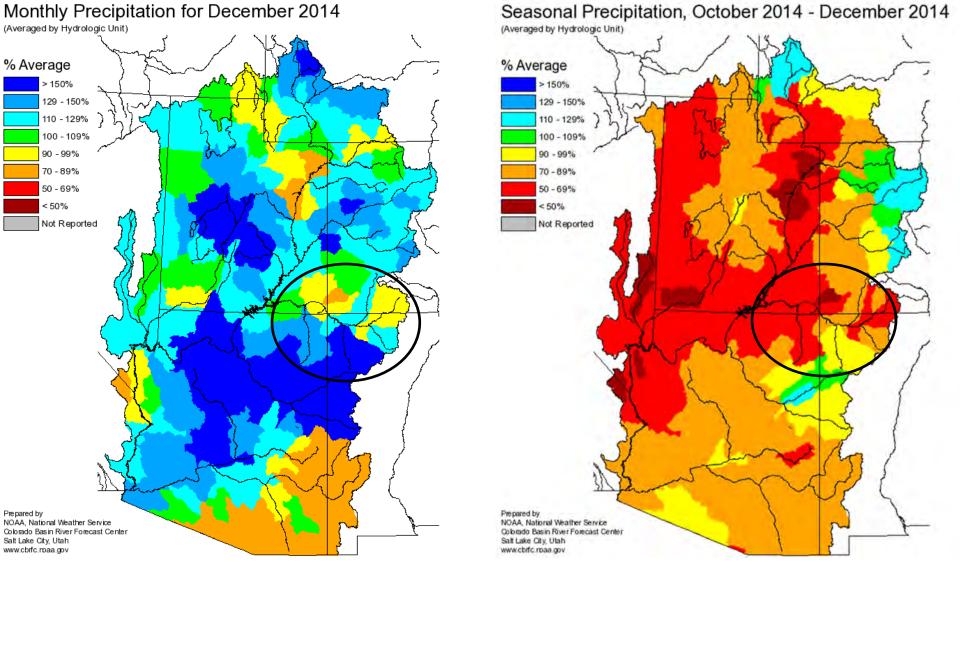
U.S. Department of the Interior Bureau of Reclamation

AGENDA

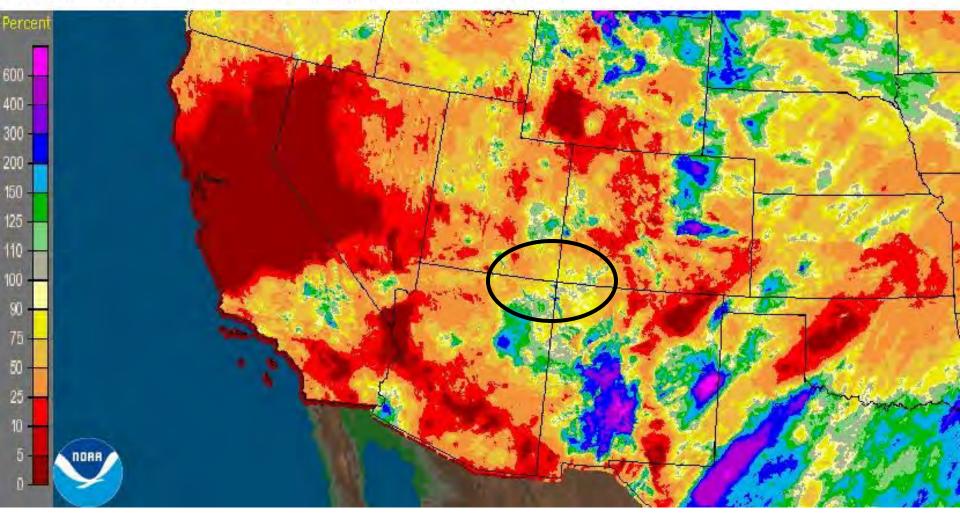
- •Review of operations since last meeting (Aug 2014)
- Current soil and snowpack conditions
- Current reservoir status
- Water Year 2015 Forecasts and Proposed Operations
- Navajo Dam Maintenance Activities
- Nearby Projects Update
- Reports from Other Agencies

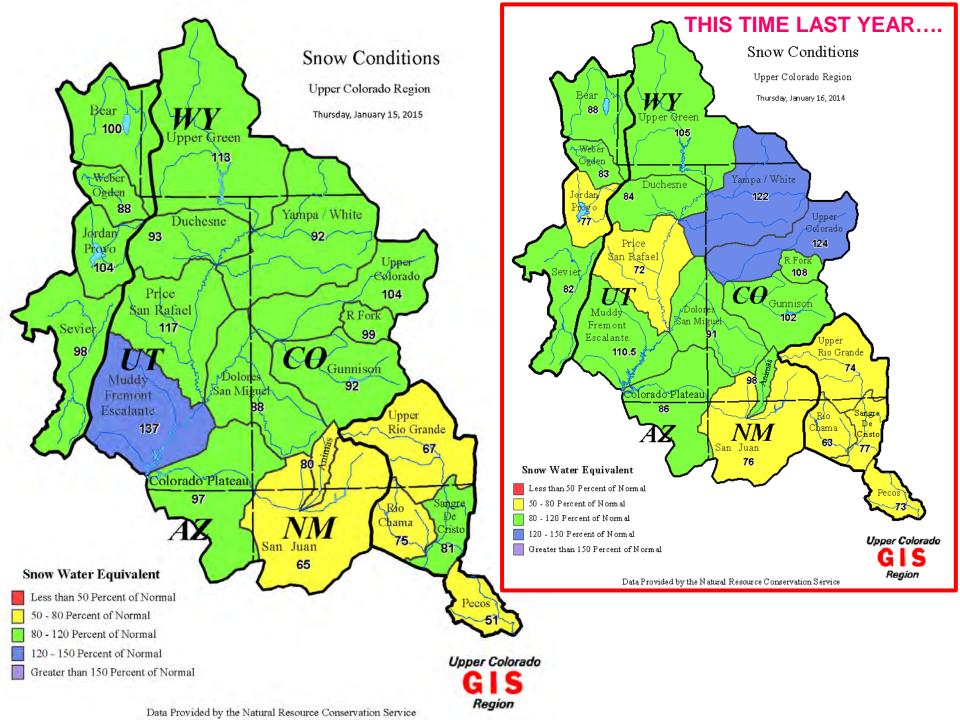




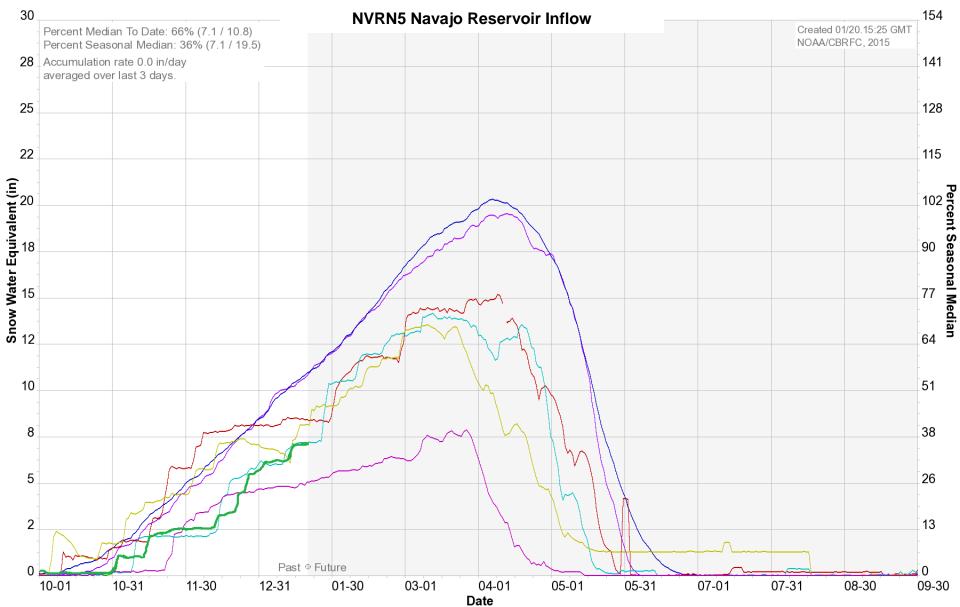


Colorado Basin RFC Salt Lake City, UT: Current Month to Date Percent of Normal Precipitation Valid at 1/19/2015 1200 UTC- Created 1/20/15 13:43 UTC

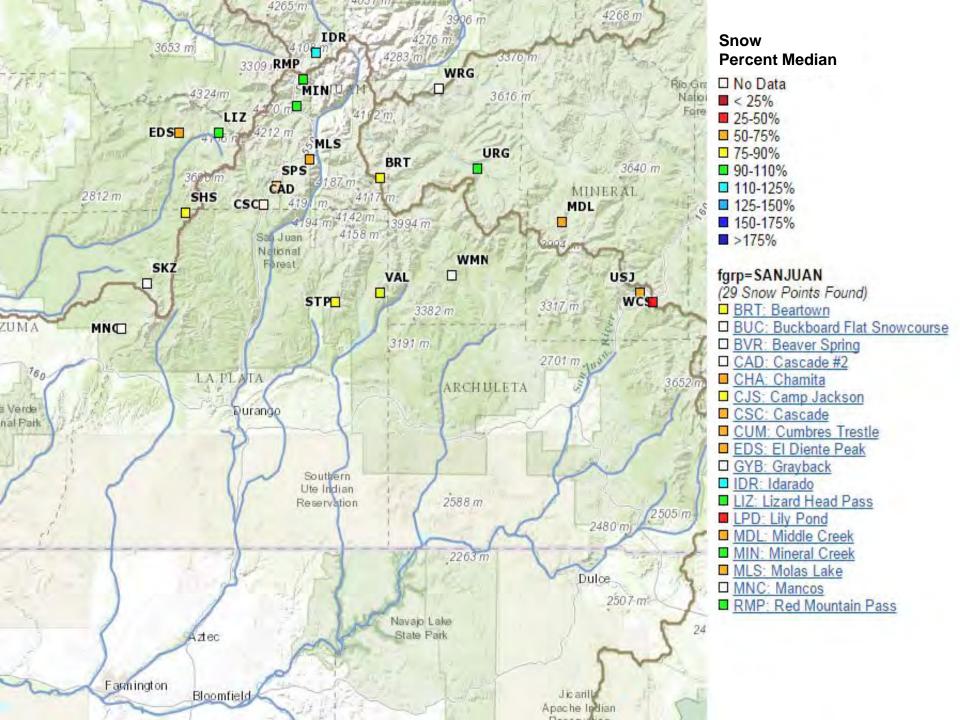




Colorado Basin River Forecast Center

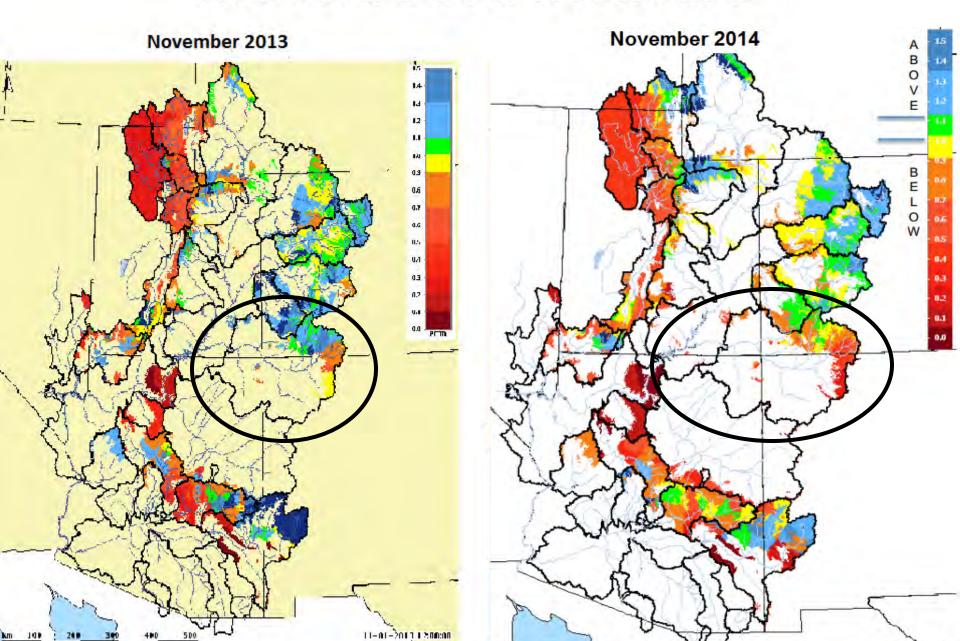


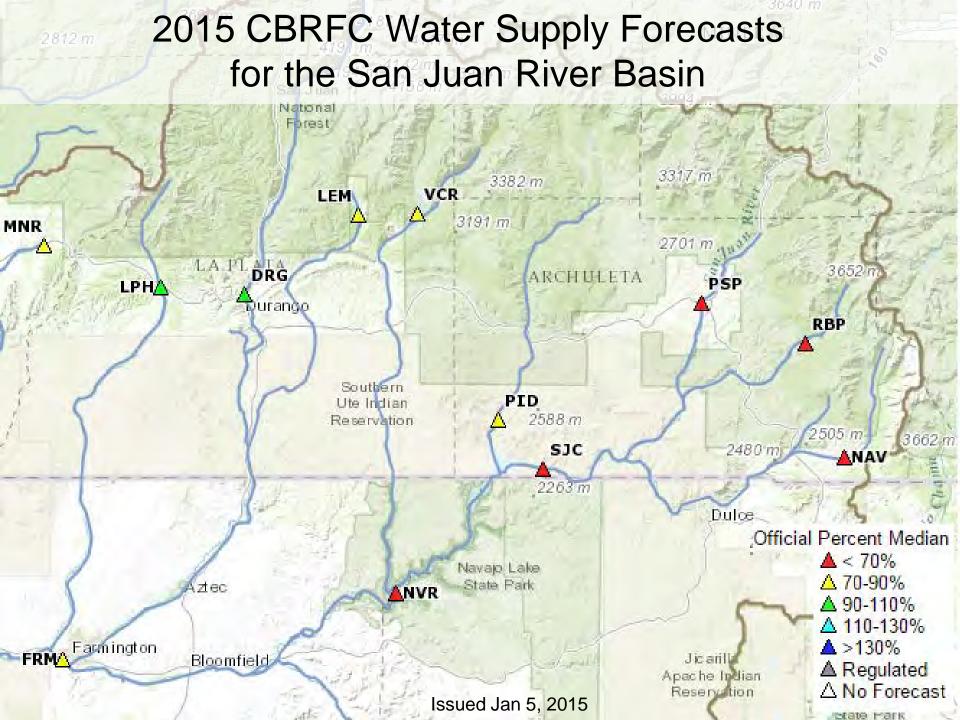
Median 1981-2010 _ Average 1981-2010 _ 2015 _ 2014 _ 2013 _ 2012 _ 2002 _



CBRFC

Modeled Soil Moisture



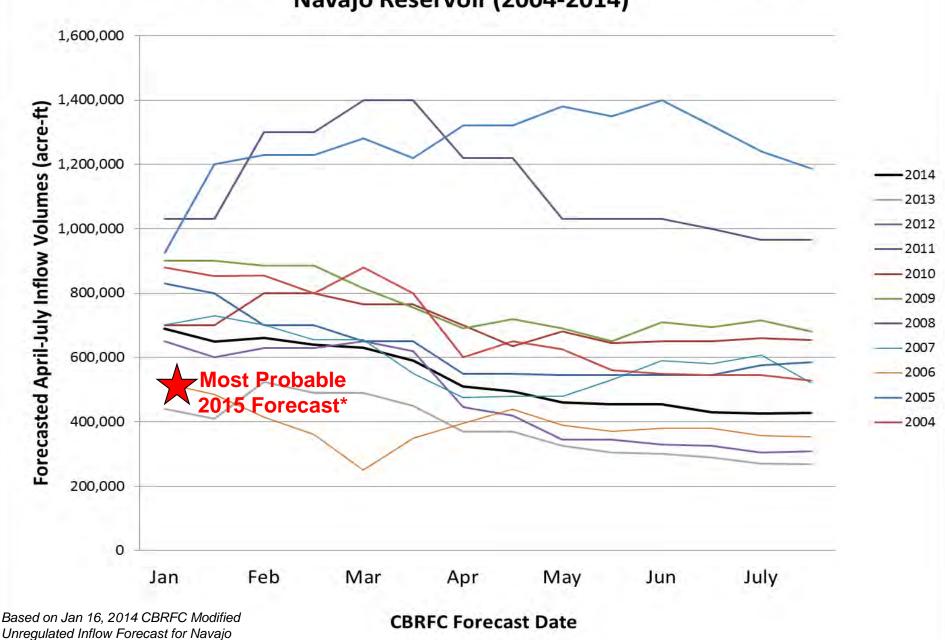


2015 CBRFC Forecasts

Issued Jan 5, 2015

	Modified Unregulated Inflow Forecast (acre-ft)			
Forecast	(% average)			
	January	February	March	April-July
MIN	15,000	15,000	30,000	250,000
	68%	50%	32%	34%
MOST	17,000	20,000	50,000	450,000
	78%	66%	54%	61%
MAX	22,000	30,000	80,000	750,000
	100%	99%	87%	102%

Historic April-July Modified Unregulated Inflow Forecast Trends Navajo Reservoir (2004-2014)



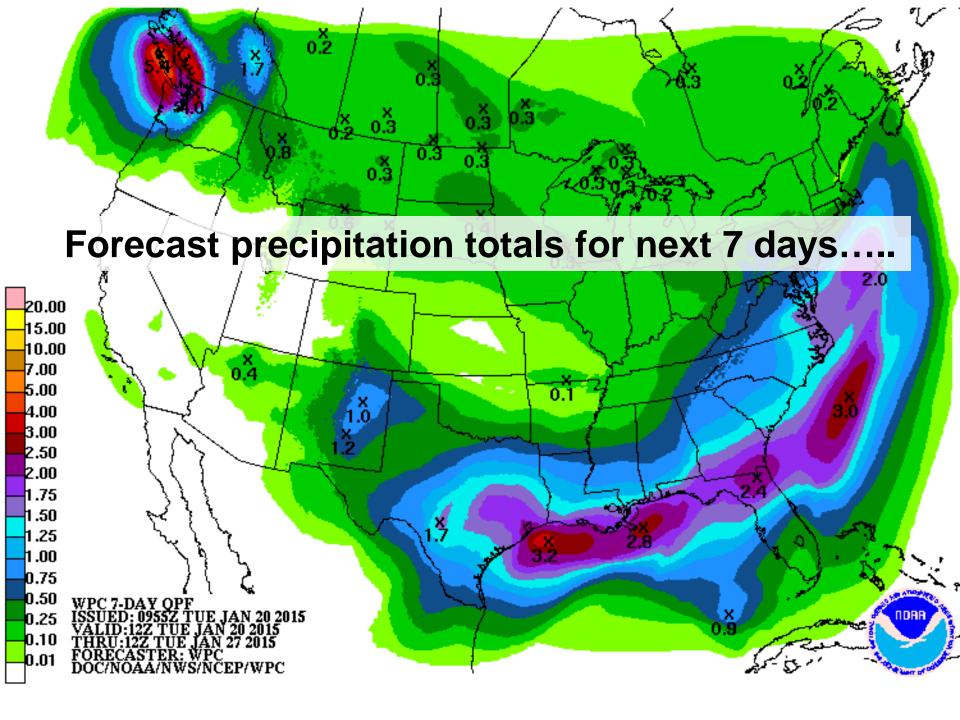
El Niño/La Niña current status and forecast models

EL NIÑO/SOUTHERN OSCILLATION (ENSO) DIAGNOSTIC DISCUSSION

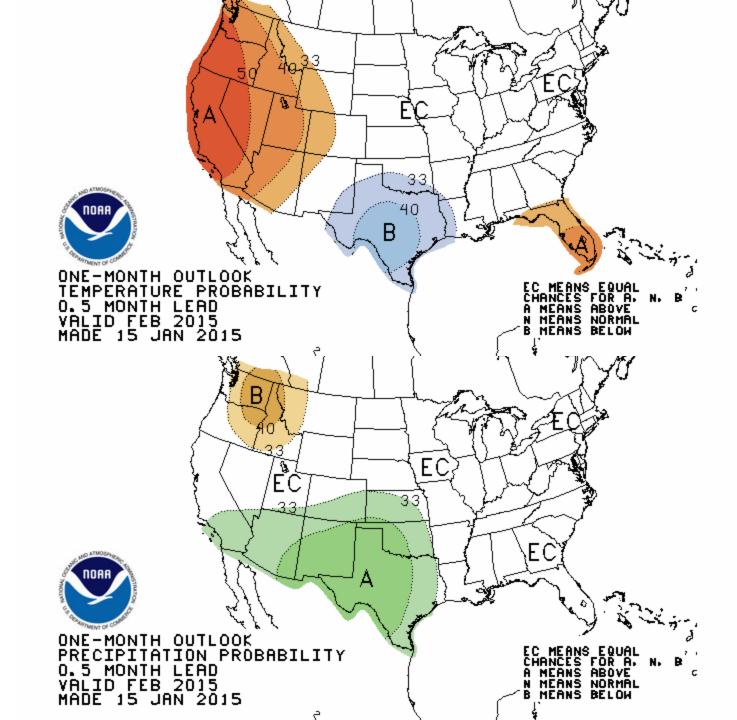
issued by
CLIMATE PREDICTION CENTER/NCEP/NWS
and the International Research Institute for Climate and Society
8 January 2015

ENSO Alert System Status: El Niño Watch

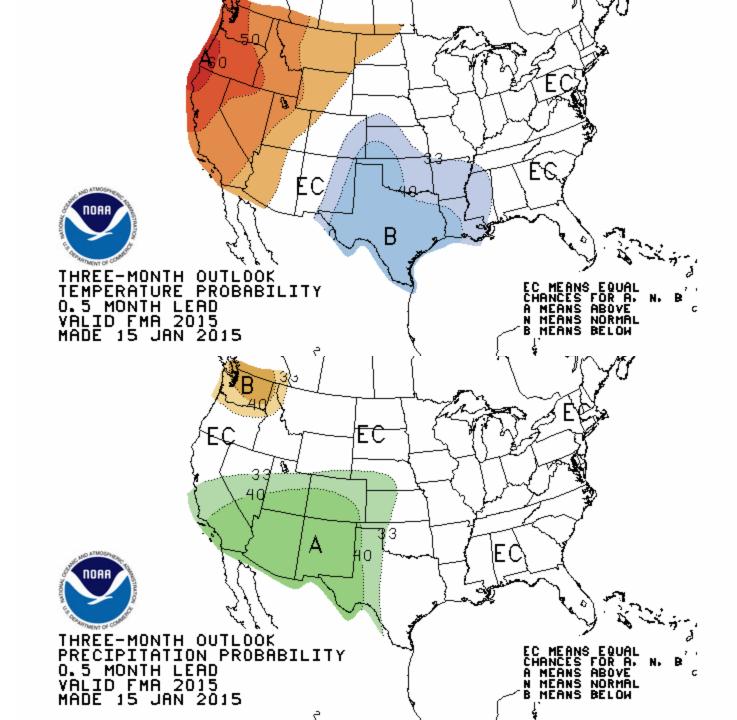
Synopsis: There is an approximately 50-60% chance of El Niño conditions during the next two months, with ENSO-neutral favored thereafter.

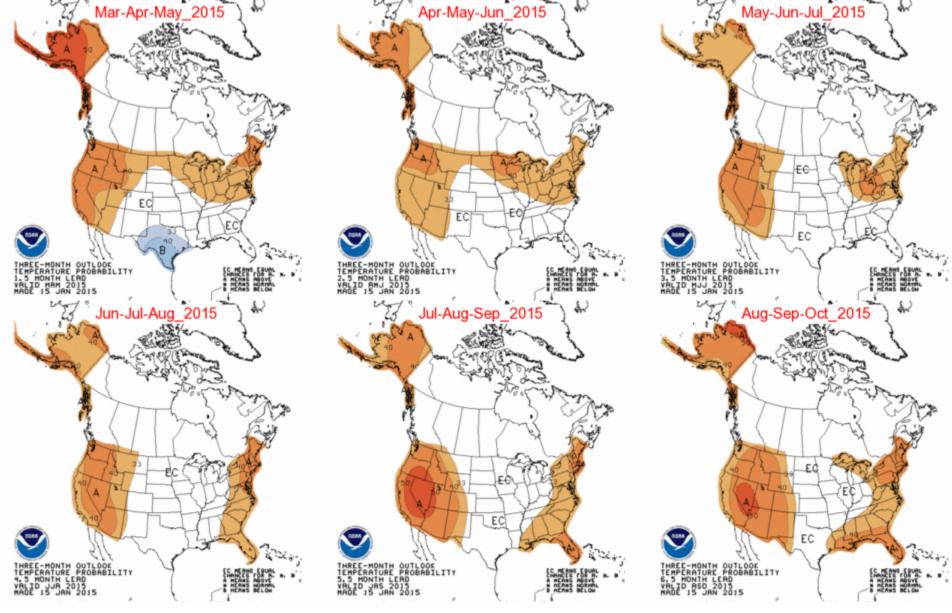


CPC Outlook for February



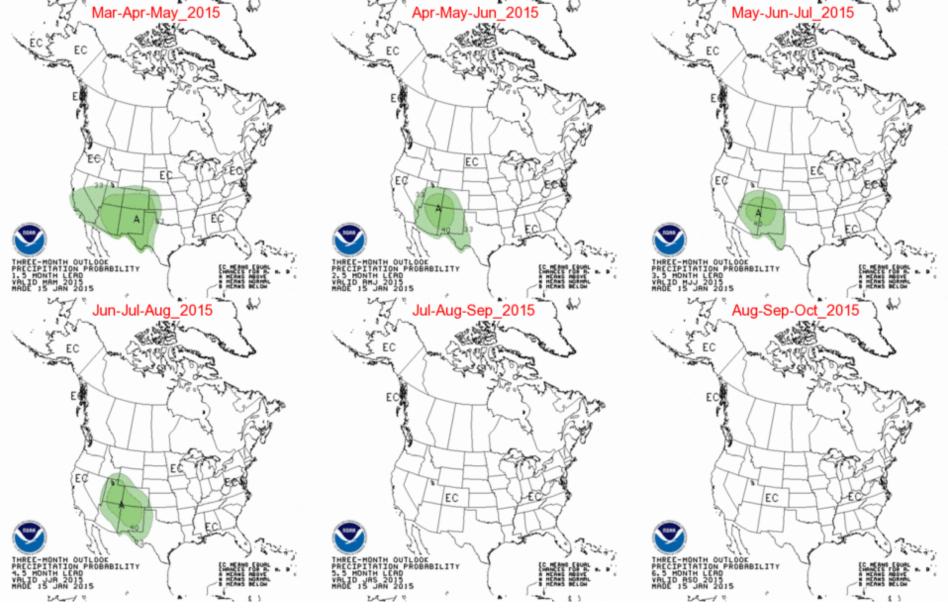
CPC
Outlook
for
Next 3
Months





CPC Temperature Outlook WY 2015

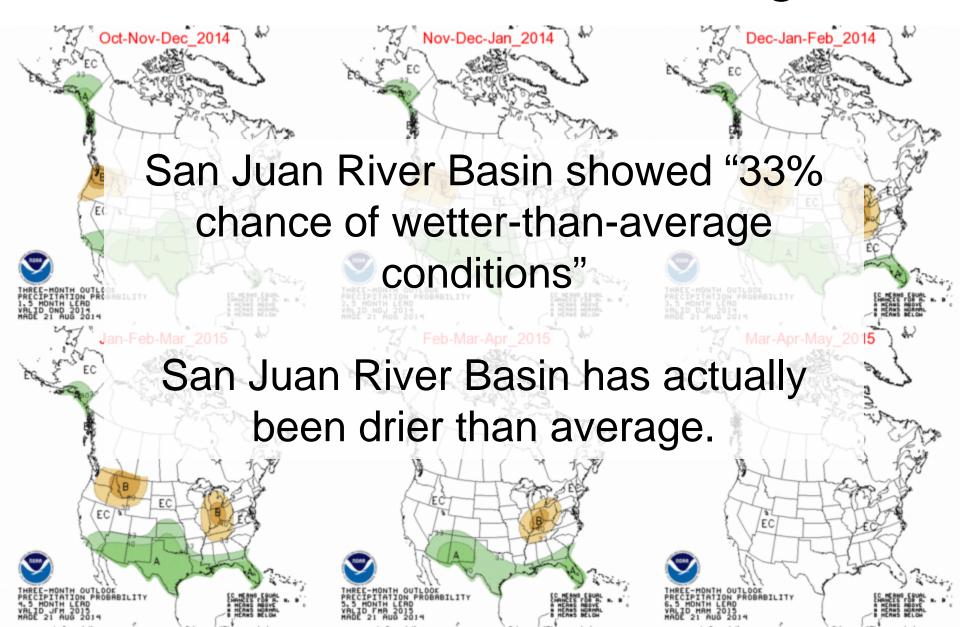
(as of Jan 15, 2015)



CPC Precipitation Outlook WY 2015

(as of Jan 15, 2015)

CPC Forecast from last August



Navajo Current Conditions

(as of 1/19/15)

Elevation = 6037.83 ft

Storage = 1089541 af (64% Full, 41% Active, 86% of Avg)

Inflow = 287 cfs

Release = 350 cfs

NIIP = 0 cfs

San Juan-Chama Diversion = 0 cfs

2015 Spring Peak Release

(Based on current forecast and the SJRIP Flow Recommendations)

Most Probable

Water Available = 245,000 af

Peak Release = 1-week release at 5,000 cfs

Minimum Probable

Water Available = 42,000 af

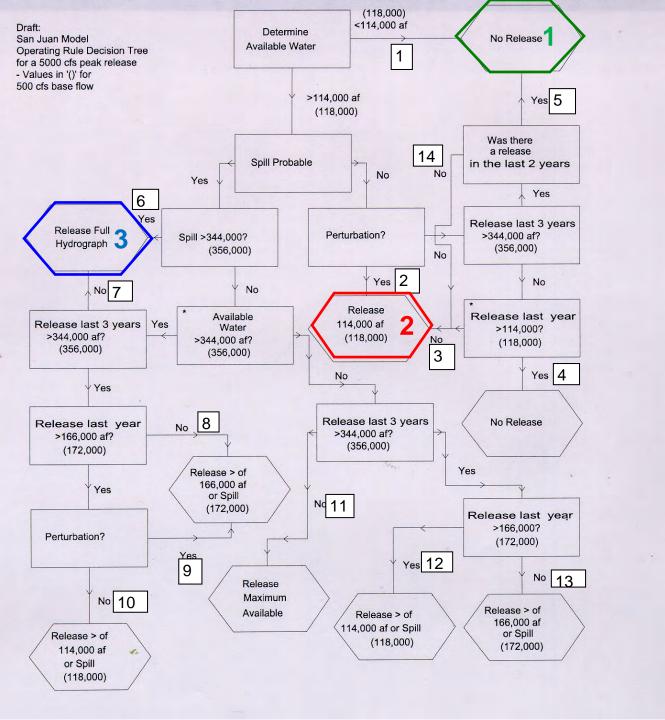
Peak Release = No Release

Maximum Probable

Water Available = 521,000 af

Peak Release = Full hydrograph (3-weeks at 5,000 cfs)

Base release of 250 - 500 cfs for remainder of water year



MIN PROBABLE

42,000 af

PATH #1

MOST PROBABLE

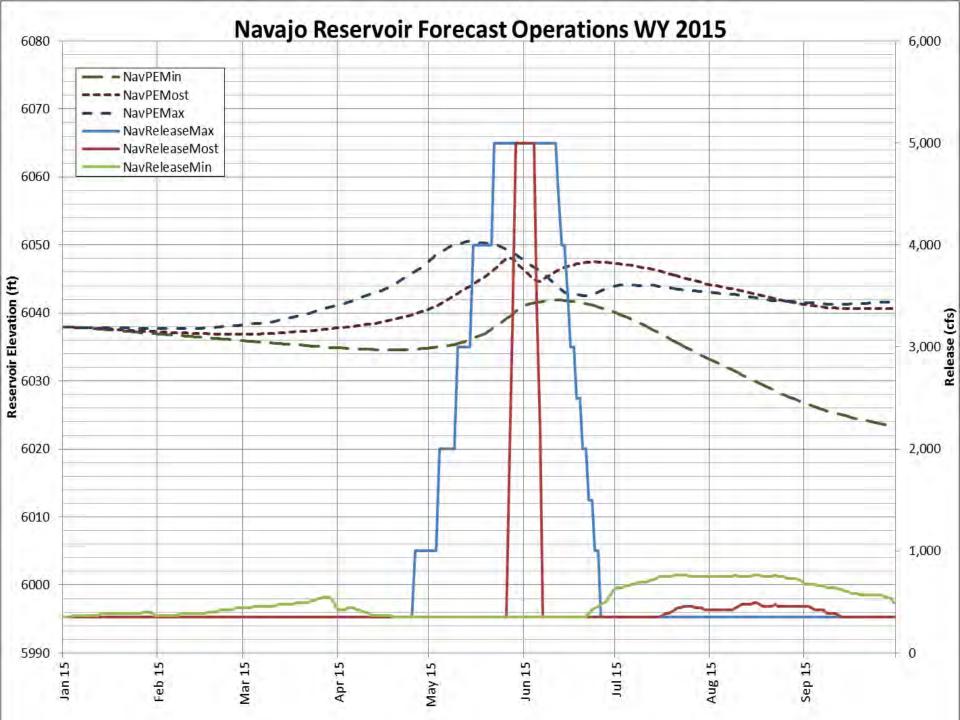
245,000 af

PATH #2

MAX PROBABLE

521,000 af

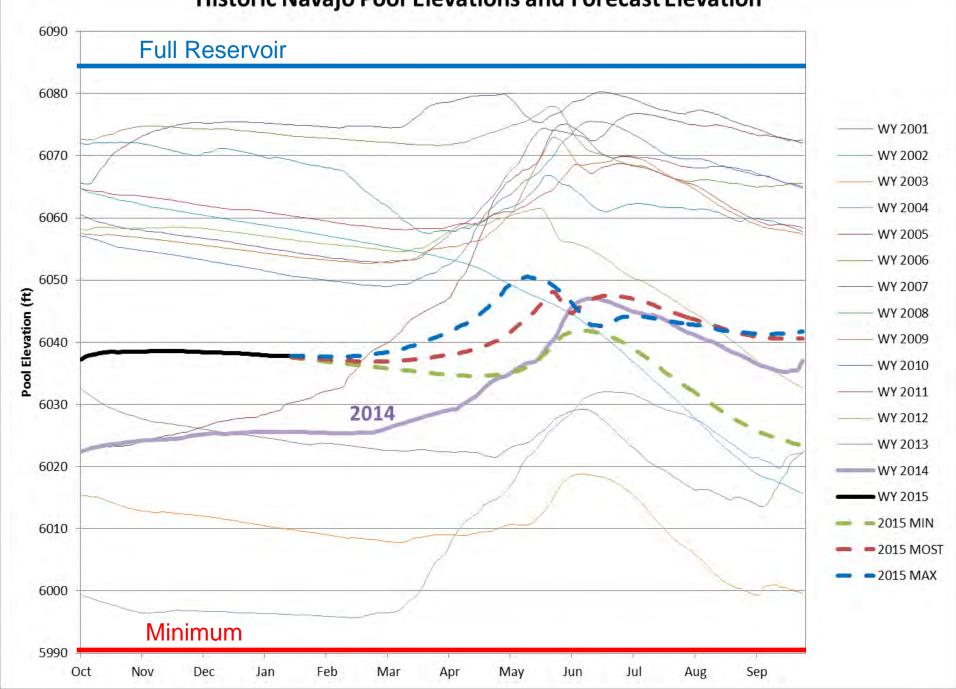
PATH #3

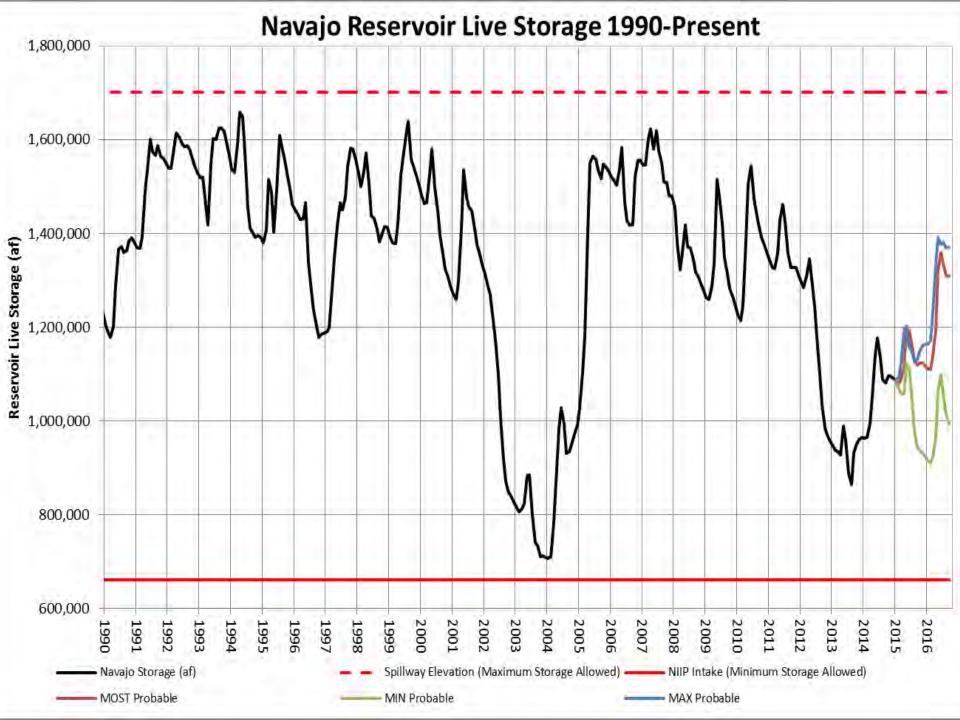


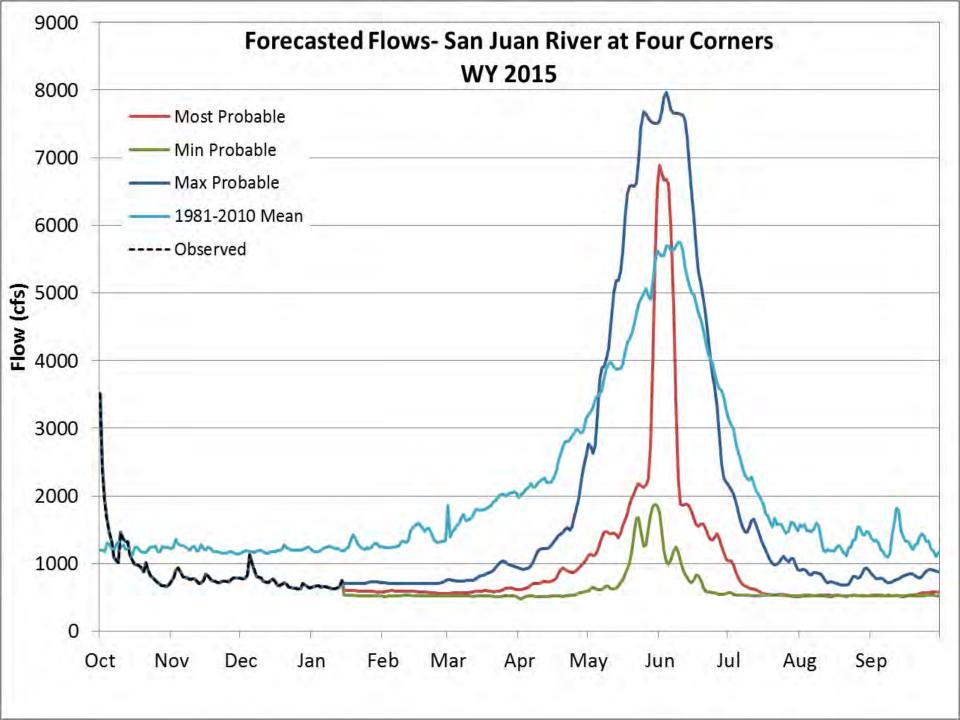
WATER YEAR 2015 PROPOSED OPERATIONS SUMMARY

- Water Saving Mode after poor early winter
- Spring peak release is possible but unlikely.
- As per ROD, goal minimum release is 350 cfs. But....
- Prepare for a return to minimum release of 250 cfs unless snowpack improves

Historic Navajo Pool Elevations and Forecast Elevation



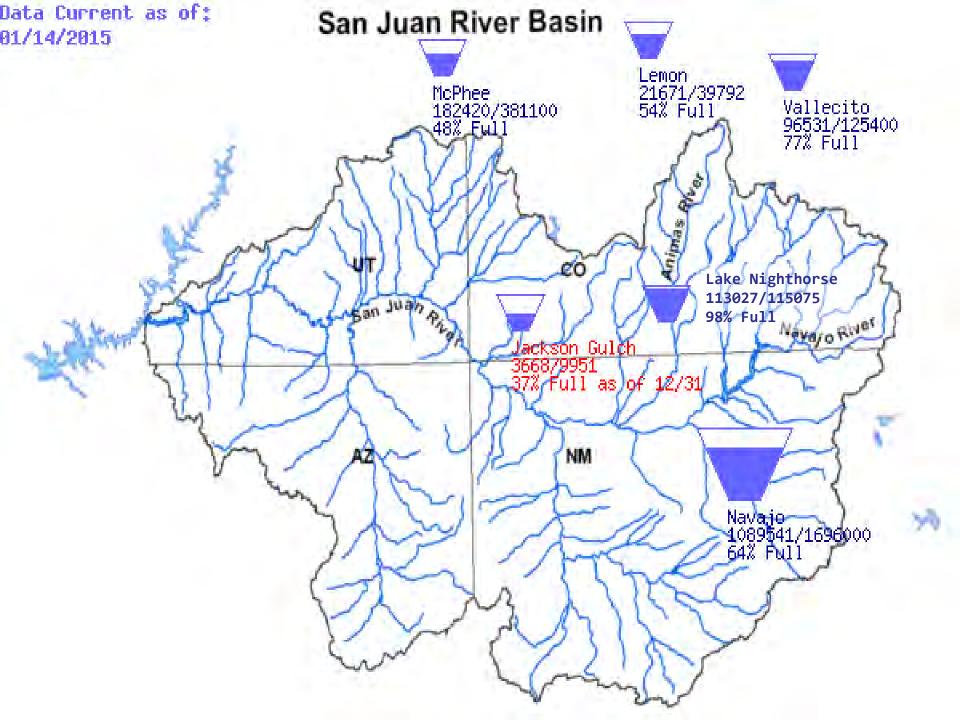




Comparison to Conditions this time last year

- Reservoir Elevation is 12-ft higher
- Snowpack is lower
- Soil Moisture is lower
- Inflow Forecasts are lower

(partially due to lack of snow, partially due to forecaster's awareness of San Juan Basin overforecasting)



Nighthorse

- Elevation = 6880.62
- Storage = 113,027 af (98% full)
- Release = 0 cfs
- Pumping = 0 cfs

Vallecito

- Elevation = 7653.98 ft
- Storage = 96,706 af (77% full, 154% avg)
- Release = 78 cfs
- Inflow = 92 cfs

Lemon

- Elevation = 8114.64 ft
- Storage = 21,702 af (55% full, 105% avg)
- Release = 11 cfs
- Inflow = 13 cfs

Lake Nighthorse is scheduled to be topped off May-June of this year

Vallecito's new ice-preventing bubbler system is allowing higher storage levels than in previous winters.

Navajo Maintenance Activities

- Completed: Rock fall mitigation and concrete repairs to spillway
- Completed: Security fence along frontage road
- Completed: Right groin rehabilitation work

How You Can Access Information

Bureau of Reclamation www.usbr.gov/uc



USGS http://water.usgs.gov/nwis

Colorado Basin River Forecast Center www.cbrfc.noaa.gov

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Summary

- The current snowpack above Navajo is 66% of average.
- Modeled soil moisture is below average.
- CPC is forecasting above average moisture, but CPC has been crying wolf for several months now.
- Current Most Probable April July Inflow Forecast is 61% of average.
- Based on the most probable forecast, a 1-week spring peak release is possible.
- Downstream river flows are anticipated to be at or below average.
- Under Minimum Probable Forecast, the minimum reservoir elevation is forecast to reach 6020 ft over next winter (using water conservation measures).
- A shortage is not currently forecasted, but conservation measures may be implemented to avoid a shortage.
- Next Operations Meeting: Tuesday, April 21st 2015