



Boise Reservoirs Update – 6/4/2017

Prepared by the Idaho Department of Water Resources (IDWR)

USACOE/USBR Joint Forecasts

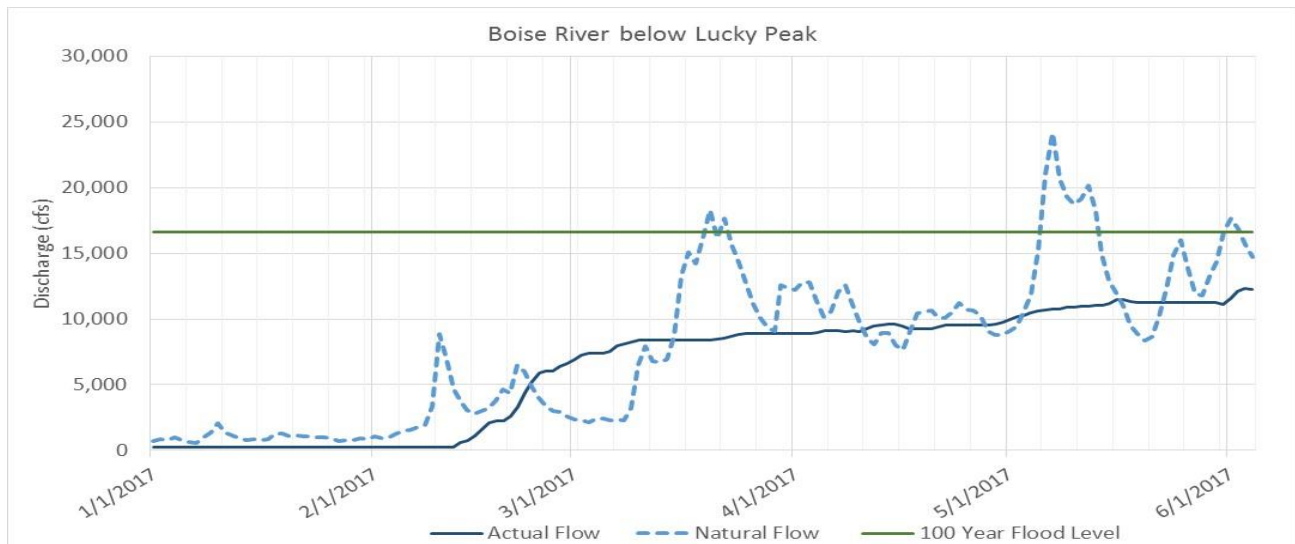
Forecast Period	Volume (KAF)	Percent of Average
January 1 – July 31	1,560	98%
February 1 – July 31	1,800	118%
March 1 – July 31	2,200	153%
April 1 – July 31	2,000	159%
May 1 – July 31	1,650	174%
Jun 1 – July 31	820	172%

Forecast and Rule Curves

The volume of space needed in the reservoirs was determined for each of the first of the month forecasts using the USACOE rule curves (Plate 7-1, Water Control Manual).

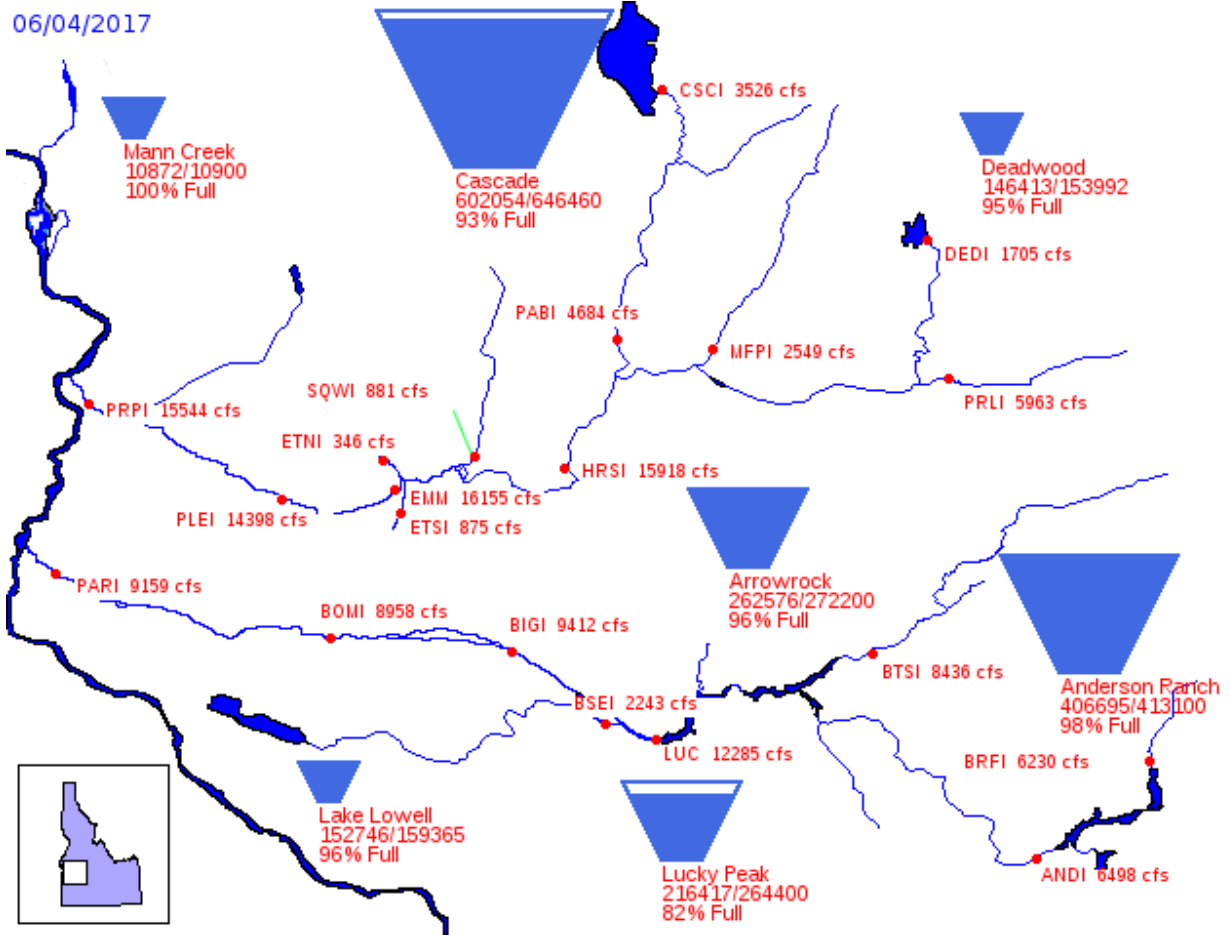
Forecast Period	Volume (KAF)	Reservoir Space Date	Reservoir Space Available (AF)	Space Needed According to Rule Curves (AF)
January 1 – July 31	1,560	January 1	513,421	150,000
February 1 – July 31	1,800	February 1	467,588	300,000
March 1 – July 31	2,200	March 1	405,573	500,000
April 1 – July 31	2,000	April 1	337,429	615,000
April 15 – July 31	1,850	April 15	308,000	638,000
April 15 – July 31	1,850	April 28	286,000	550,000
May 1 – July 31	1,650	May 1	292,000	Approx. 575,000
May 15 – July 31	1,200	May 15	122,437	Approx. 410,000
June 1 – July 31	820	June 1	85,000	260,000

Boise River Natural Flow and Releases from Lucky Peak



Reservoir Storage

Total Space Available (6/4/2017): 64,012(AF)



<https://www.usbr.gov/pn/hydromet/boipaytea.html>

https://www.usbr.gov/pn-bin/graphwy.pl?boisys3_af

National Weather Service Boise River Flood Inundation Mapping

The following websites maps the flood inundation at various river flows.

This map extends from Diversion Dam down to the head of Eagle Island.

<https://water.weather.gov/ahps2/inundation/index.php?gage=bigi1>

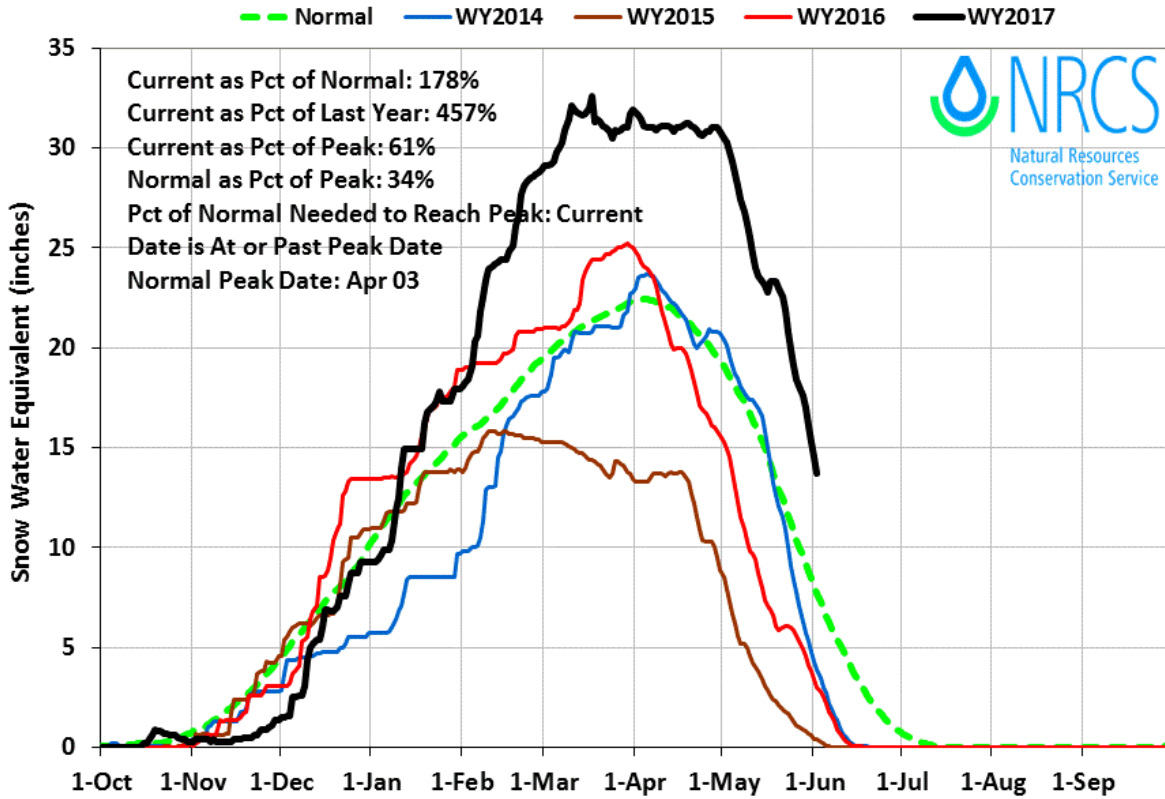
This map extends from the head of Eagle Island to the Canyon County line.

<https://water.weather.gov/ahps2/inundation/index.php?gage=eagi1>

Snow Pack

Boise Basin 2017 Snowpack Comparison Graph (10 sites)

Based on Provisional SNOTEL data as of Jun 02, 2017



https://www.wcc.nrcs.usda.gov/ftpref/data/water/wcs/basinsweplots/id/boise_swe_d.gif

Percent of Normal Precipitation

Month	Monthly Percent of Average Precipitation	Water Year-To-Date Percent of Average Precipitation
January	163%	123%
February	303%	156%
March	221%	166%
April	138%	160%
May 1- 31	77%	155%

<https://wcc.sc.egov.usda.gov/reports/UpdateReport.html?report=Idaho&format=SNOTEL+Precipitation+Update+Report>