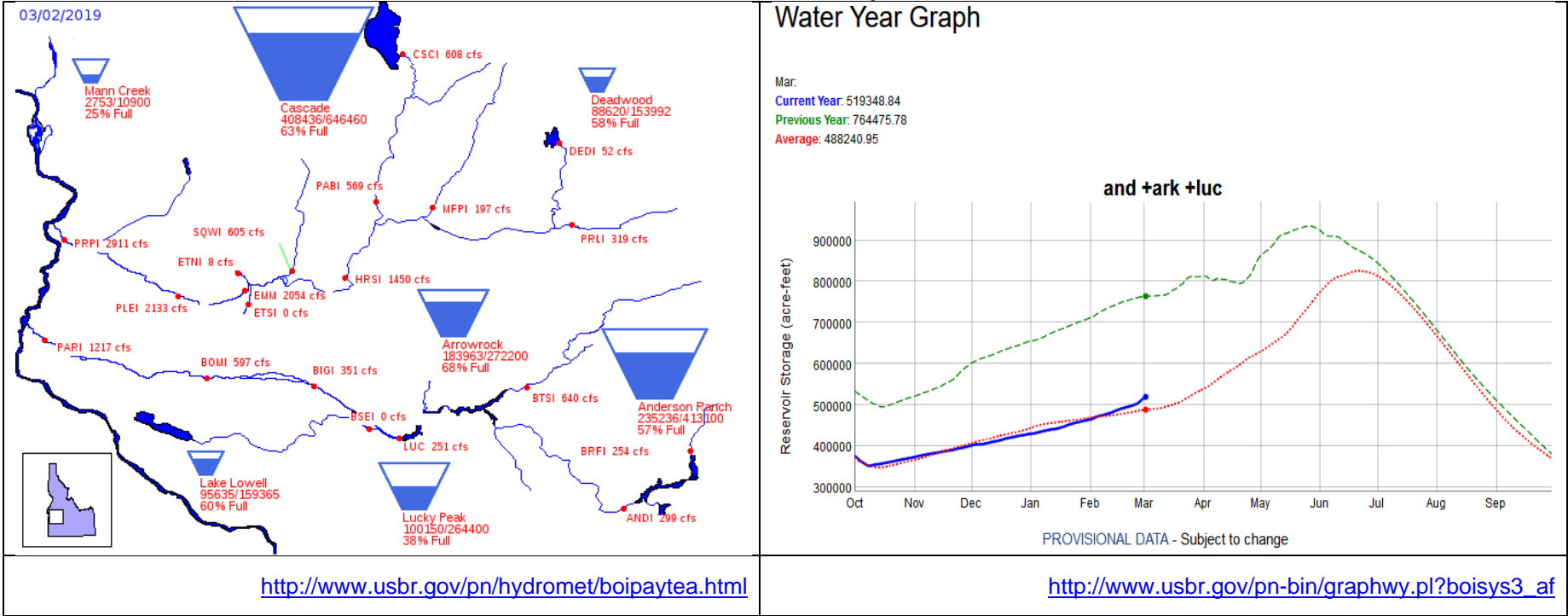


Boise System Review
For the Week of
March 3, 2019
Boise River Teacup



Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 55% of capacity.
Total space available: 452,848 AF (*Reduced 20,500 AF, since last week*)
Total storage capacity: 949,700 AF
Natural Flow: 1,857 CFS (*Up 1,000 CFS, since last week*)

Idaho SNOTEL Snow/Precipitation Update Report

Based on Mountain Data from NRCS SNOTEL Sites

Provisional data, subject to revision

Data based on the first reading of the day (typically 00:00) for Sunday, March 3, 2019

| Basin Site Name | Elev (ft) | Snow Water Equivalent | | | Water Year-to-Date Precipitation | | |
|--------------------|--------------|-----------------------|----------------|------------------|-------------------------------------|-----------------|-------------------|
| | | Current (in) | Median (in) | Pct of Median | Current (in) | Average (in) | Pct of Average |
| BOISE BASIN | | | | | | | |
| Atlanta Summit | 7580 | 31.5 | 23.7 | 133 | -M | 27.1 | * |
| Bogus Basin | 6340 | 27.1 | 21.9c | 124 | 24.1 | 18.8c | 128 |
| Camas Creek Divide | 5710 | 16.3 | 11.4c | 143 | 16.1 | 14.4c | 112 |
| Dollarhide Summit | 8420 | 23.4 | N/A | * | 19.6 | 21.5 | 91 |
| Graham Guard Sta. | 5690 | 17.4 | 11.9 | 146 | 20.2 | 18.6 | 109 |
| Jackson Peak | 7070 | 27.0 | 22.4 | 121 | 31.8 | 27.0 | 118 |
| Mores Creek Summit | 6100 | 33.4 | 26.2 | 127 | 35.9 | 29.3 | 123 |
| Prairie | 4800 | 8.1 | 5.0 | 162 | 14.2 | 12.5 | 114 |
| Trinity Mtn. | 7770 | 35.1 | 30.9 | 114 | 38.0 | 32.8 | 116 |
| Vienna Mine | 8960 | 31.2 | 25.0 | 125 | 27.7 | 24.9 | 111 |
| Basin Index (%) | | 127 | | | 114 | | |

Legend - “M” = Missing data. “*” = Analysis may not provide a valid measure of conditions. “C” = Conditional only 10-19 years of data available

<http://wcc.sc.egov.usda.gov/reports/SelectUpdateReport.html>

OK, Runoffers, the theme this week is “The Fun’s Begun.” What with a joint press release by the Bureau of Reclamation and the US Army Corps of Engineers, flood operations are right around the corner. (<https://www.usbr.gov/newsroom/newsrelease/detail.cfm?RecordID=64823>)

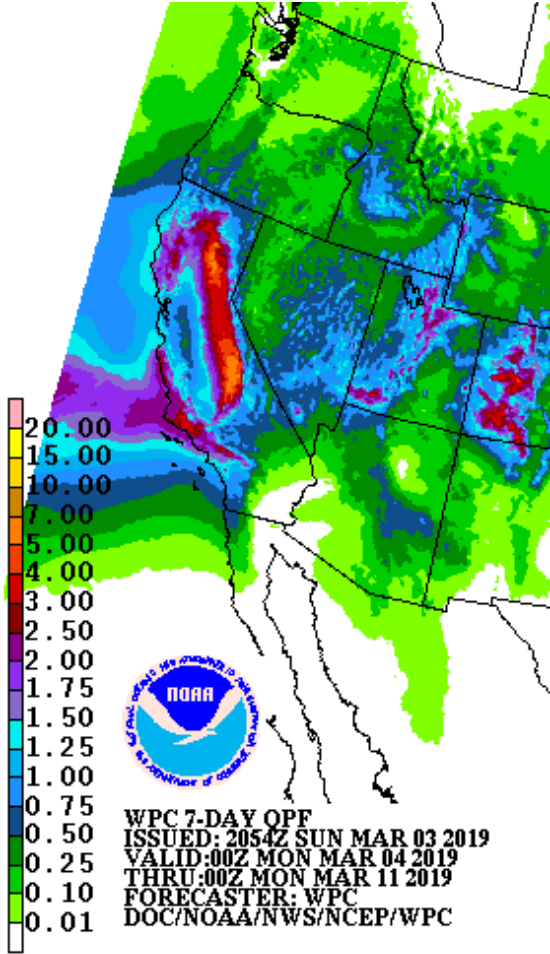
There’s been lots of activity on the river since the specter of impending flood operations rose out of February’s impressive snow drifts. As of late last week, Diversion Dam’s checked up and the New York Canal can now start moving water toward filling a 64,000 ac-ft hole available in Lake Lowell. The Boise Whitewater Park, Part Duex, is feverishly getting into position to let 1,750 cfs “extra water” head to Astoria. (In all my years, only in 2017, have I heard the Watermaster say that we had “enough water.” Odds are, you won’t be hearing *that* again this spring). The Idaho Foundation for Parks and Land is well underway in getting the Plantation Island Bridge returned to working order. Flood Control District #10 has apparently arrested a channel avulsion around the New Dry Creek Diversion structure and is within hours of having the Duck Alley Pit Capture blocked. Word on the street has Flood Control District #11 clearing gravel out from around the Us-95 Bridge near Parma. Certainly, a lot of work is getting accomplished before the “Big Flush” begins in earnest on Wednesday, March 6. A yeoman’s Tip O’ the Hat to the likes of McMillen-Jacobs, Winspear Construction, St. Clair Construction and Sunroc Construction for getting after the program, as flood operations loom for this year.

Once February ended, precipitation has tapered – for all of three days so far. NOAA’s not letting us off the hook yet, as the forecast for the next week is predicting more “free water,” but nothing yet on the order of February’s bounty.

Be sure to check out the following pages for a few pictoids relating to recent activities along the river.

In the indomitable words of the River Dude: “Stay Tuned!”

Steve



NOAA, National Weather Service, 7-Day Quantitative Precipitation Forecast, Mar 3-11, 2019. (<http://tinyurl.com/y5k69kps>)



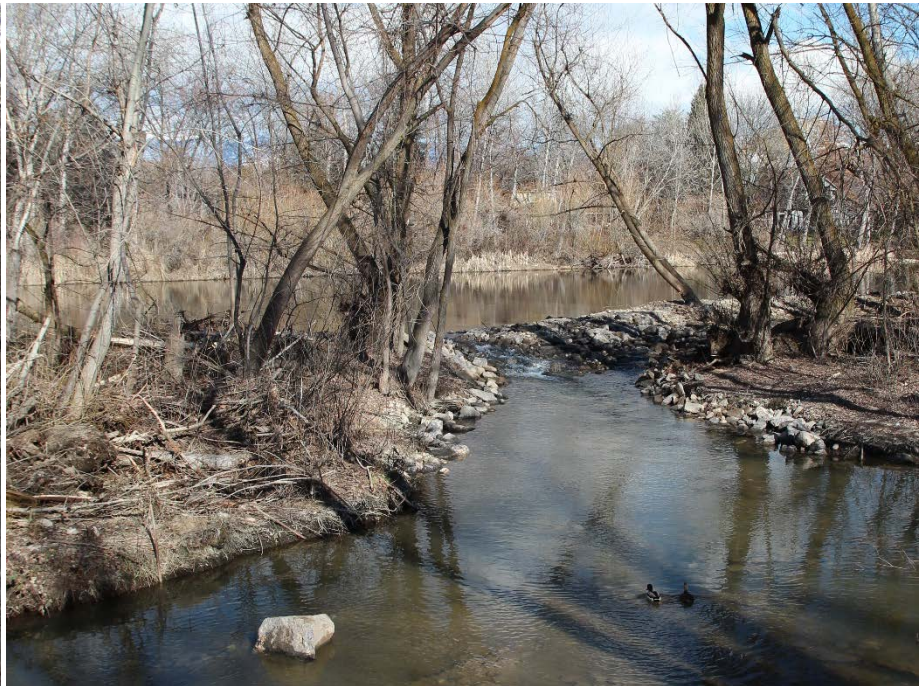
The pool's full at Diversion Dam and the New York Canal will likely be sending water to Lake Lowell early this week.



Boise Whitewater Park – March 1, 2019. Image courtesy of [Idaho Airships, Inc.](#) There's certainly lots of activity in getting this spectacular site ready for 2019 flood operations.



New Dry Creek Diversion Side Channel, December 21, 2018. Q_{Glenwood} was gaged at 245 cfs, with approximately 150 cfs spilling into the side channel through a bank blow-out that has been developing over the years.



New Dry Creek Diversion Side Channel, March 3, 2019. Q_{Glenwood} was gaged at 330 cfs, with approximately 6 cfs spilling into the side channel through a notch constructed in the repaired bank area. The remainder of the flow is staying within the historic river channel.

The New Dry Creek Diversion Side Channel project is being jointly funded by a Flood Management Grant issued by the Idaho Water Resource Board and the good offices of Boise River Flood Control District #10.



By the end of the day on Saturday, March 2, 2019, the river breach causing the Duck Alley Pit Capture was essentially closed, with the majority of the river returning to the historic channel (River flow is from the viewer's right through the center of the image.). This view illustrates the "hardened core" in the foreground, consisting of clean rip rap material used to close the breach. Note the large woody debris (rootwads) incorporated into the closure. In the background, toward the left, is a pile of gravel material removed from the previously occluded channel of the Boise River. Closure is anticipated to be completed by Monday, March 4.

The Duck Alley Pit Capture Repair project is being jointly funded by a Flood Management Grant issued by the Idaho Water Resource Board, funding provided by the NRCS, the local landowners and the good offices of Boise River Flood Control District #10.



The Plantation Bridge, under repair by the Idaho Foundation for Parks and Land as seen on March 3, 2019. Work to date has rebuilt a portion of the land lost during the 2017 high water with a combination of fill and willow clumps incorporated in a rip rap armored bank. Image by Brian McDevitt.

The Plantation Island Bridge Repair project is being jointly funded by a FEMA grant and local funds raised by the Idaho Foundation for Parks & Land.