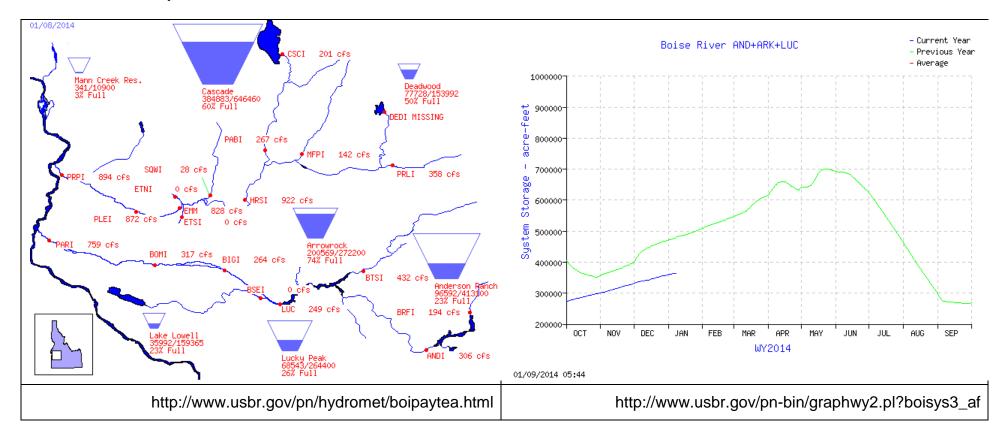
### Boise System Review For the Week Ending January 10, 2014

#### **Boise River Teacup**



Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 39 % of capacity.

Total space available: 583996 AF
Total storage capacity: 949700 AF
Natural Flow: 867 CFS

# NRCS Water & Climate Center Snow-Precipitation Update

United States Natural Resources Water and Climate Center Department of Conservation Portland, Oregon

Agriculture Service

SNOW - PRECIPITATION UPDATE

Based on Mountain Data from NRCS SNOTEL Sites As of THURSDAY: JANUARY 9 , 2014

BASIN Data Site Name	ELEV.	SNOW WAT	 ER EQUIV	ALENT	TOTAL	TOTAL PRECIPITATION %			
Data Site Name	(Ft)	Current	Median	_	Curren	t Avera	-		
BOISE BASIN									
ATLANTA SUMMIT	7580	8.4	14.7	57	8.6	17.5	49		
BOGUS BASIN	6340	6.2	12.7	49	7.4	12.8	58		
CAMAS CREEK DIVIDE	5710	1.7	6.3	27	3.7	9.7	38		
DOLLARHIDE SUMMIT	8420	-M	11.5	*	6.1	13.6	45		
GRAHAM GUARD STA.	5690	3.4	6.8	50	8.8	12.4	71		
JACKSON PEAK	7070	7.6	13.1	58	9.0	17.3	52		
MORES CREEK SUMMIT	6100	8.9	14.4	62	10.2	18.8	54		
PRAIRIE	4800	.9	3.1	29	4.4	8.1	54		
TRINITY MTN.	7770	8.9	18.9	47	8.5	21.0	40		
VIENNA MINE	8960	9.7	15.4	63	9.9	15.8	63		
Basin I			53			52			

<sup>\* =</sup> Data may not provide a valid measure of conditions.

ftp://ftp.wcc.nrcs.usda.gov/data/snow/update/id.txt

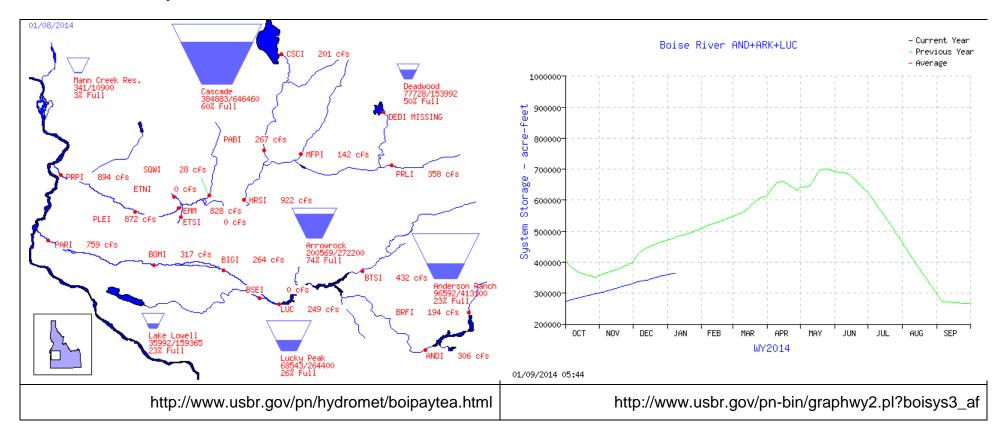
Here's an initial look at the weekly consolidated runoff forecast for 2014. Too early to tell if we can expect a significant runoff event for 2014.

The season is still young, and currently there's not much use in getting your hopes up. The reservoir system is 39% percent full, holding a little over 370,000 ac-ft. The 30-year average is a tad over 500,000 ac-ft, so we're running 130,000 ac-ft in the hole at the start of the season. To exacerbate matters, accumulated precipitation is only a little over 50% of normal for this time of the year.

Pray for snow.

### Boise System Review For the Week of January 13, 2014

#### **Boise River Teacup**



Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 39 % of capacity.

Total space available: 583996 AF
Total storage capacity: 949700 AF
Natural Flow: 867 CFS

# NRCS Water & Climate Center Snow-Precipitation Update

United States Natural Resources Water and Climate Center Department of Conservation Portland, Oregon

Agriculture Service

SNOW - PRECIPITATION UPDATE

Based on Mountain Data from NRCS SNOTEL Sites As of THURSDAY: JANUARY 9 , 2014

BASIN Data Site Name	ELEV. (Ft)	SNOW WATER EQUIVALENT %			TOTAL I	TOTAL PRECIPITATION %			
Sada Side Rame	(10)	Current	Median	· ·	Current	a Avera	•		
BOISE BASIN									
ATLANTA SUMMIT	7580	8.4	14.7	57	8.6	17.5	49		
BOGUS BASIN	6340	6.2	12.7	49	7.4	12.8	58		
CAMAS CREEK DIVIDE	5710	1.7	6.3	27	3.7	9.7	38		
DOLLARHIDE SUMMIT	8420	-M	11.5	*	6.1	13.6	45		
GRAHAM GUARD STA.	5690	3.4	6.8	50	8.8	12.4	71		
JACKSON PEAK	7070	7.6	13.1	58	9.0	17.3	52		
MORES CREEK SUMMIT	6100	8.9	14.4	62	10.2	18.8	54		
PRAIRIE	4800	.9	3.1	29	4.4	8.1	54		
TRINITY MTN.	7770	8.9	18.9	47	8.5	21.0	40		
VIENNA MINE	8960	9.7	15.4	63	9.9	15.8	63		
Basin I	Basin Index (%)						52		

<sup>\* =</sup> Data may not provide a valid measure of conditions.

ftp://ftp.wcc.nrcs.usda.gov/data/snow/update/id.txt

Here's the first look at the weekly consolidated runoff forecast for 2014. The Fat Lady is back and once she sings, we'll know whether or not we can expect a significant runoff event for 2014.

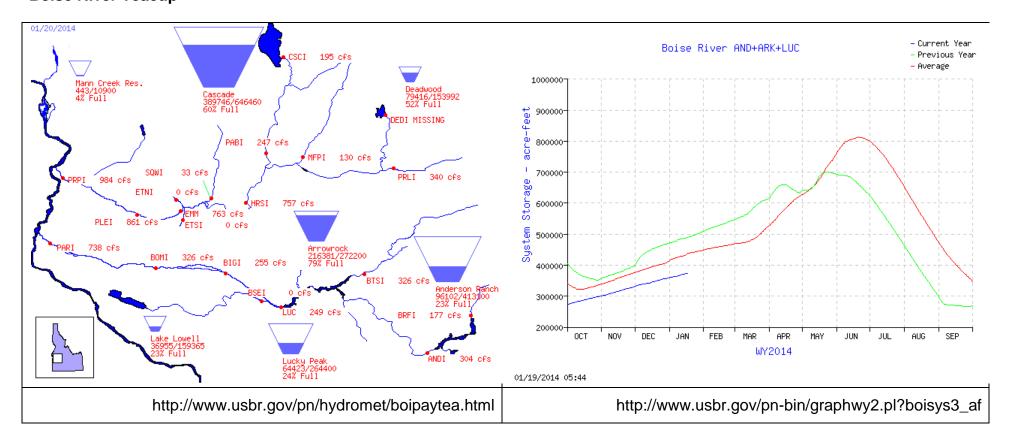
While the season is still young, currently there's not much use in getting your hopes up. The reservoir system is 39% percent full, holding a little over 370,000 ac-ft. The 30-year average is a tad over 500,000 ac-ft, so we're running 130,000 ac-ft in the hole at the start of the season. To exacerbate matters, accumulated precipitation is only a little over 50% of normal for this time of the year.

Pray for snow.



### Boise System Review For the Week Ending January 24, 2014

#### **Boise River Teacup**



Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 40 % of capacity.

Total space available: 572794 AF
Total storage capacity: 949700 AF
Natural Flow: Unavailable CFS

# NRCS Water & Climate Center Snow-Precipitation Update

United States Natural Resources Water and Climate Center Department of Conservation Portland, Oregon

Agriculture Service

Based on Mountain Data from NRCS SNOTEL Sites As of TUESDAY: JANUARY 21 , 2014

BASIN ELEV. SNOW WATER EQUIVALENT TOTAL PRECIPITATION (Ft) Data Site Name Current Median Median Current Average Avg BOISE BASIN ATLANTA SUMMIT 7580 11.0 16.4 67 10.9 19.7 55 BOGUS BASIN 6340 8.6 14.1 8.0 14.0 57 5710 2.3 7.5 31 4.4 11.0 40 CAMAS CREEK DIVIDE 12.8 8.3 12.8 7.4 15.5 DOLLARHIDE SUMMIT 8420 6.9 54 48 GRAHAM GUARD STA. 5.1 5690 61 10.2 14.0 73 7070 15.6 63 11.5 19.6 JACKSON PEAK 9.9 MORES CREEK SUMMIT 6100 12.3 17.3 71 13.3 21.7 61 9.2 4800 1.6 4.0 40 4.8 52 PRAIRIE 56 11.5 7770 TRINITY MTN. 12.3 21.8 23.8 48 17.4 VIENNA MINE 8960 12.1 12.5 18.0

ftp://ftp.wcc.nrcs.usda.gov/data/snow/update/id.txt

Not much has changed since the prior edition. What little snow that is out there is holding in the hills. Inflow into the reservoirs is making a minor contribution to overall storage. In two weeks, net storage has only increased 1.2%. Whoopee.

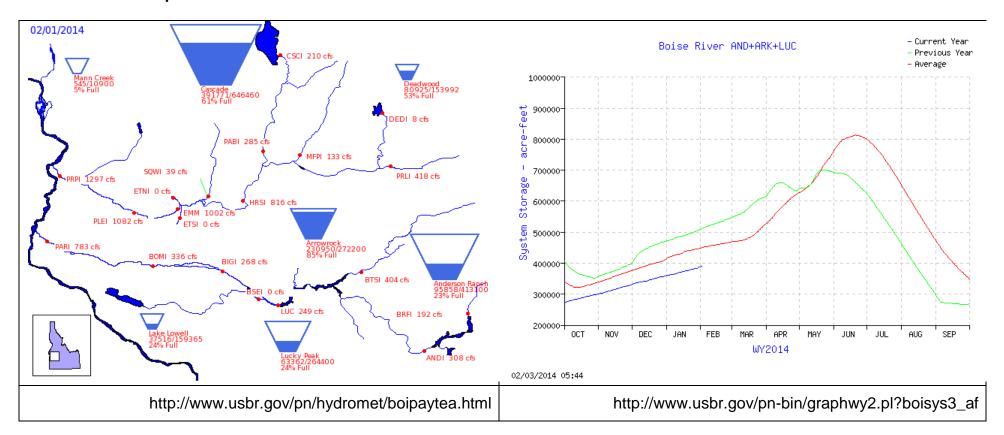
The snow storm two weeks ago gave a nice bump, but with each day of sunshine (or inversion, depending on where you are) the percentage of normal precipitation continues to wane.

Pray for snow.

<sup>\* =</sup> Data may not provide a valid measure of conditions.

### Boise System Review For the Week Ending February 7, 2014

#### **Boise River Teacup**



Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 41 % of capacity.

Total space available: 559530 AF
Total storage capacity: 949700 AF
Natural Flow: 834 CFS

## NRCS Water & Climate Center Snow-Precipitation Update

United States Natural Resources Water and Climate Center Department of Conservation Portland, Oregon

Agriculture Service

SNOW - PRECIPITATION UPDATE

Based on Mountain Data from NRCS SNOTEL Sites  $\,$ 

As of MONDAY: FEBRUARY 3 , 2014 BASIN ELEV. SNOW WATER EQUIVALENT TOTAL PRECIPITATION (Ft) Data Site Name Current Median Median Current Average Avg BOISE BASIN ATLANTA SUMMIT 7580 12.7 19.0 67 12.3 21.8 56 BOGUS BASIN 6340 9.7 15.5 63 8.9 15.8 56 CAMAS CREEK DIVIDE 5710 3.0 9.1 33 5.1 12.4 41 DOLLARHIDE SUMMIT 14.6 8420 -M8.5 17.4 49 9.6 17.9 5690 6.5 68 11.9 15.5 77 GRAHAM GUARD STA. 63 13.0 JACKSON PEAK 7070 11.3 21.9 59 19.9 71 4.4 45 MORES CREEK SUMMIT 6100 14.1 15.2 24.2 63 PRAIRIE 4800 2.0 5.8 10.3 56 58 13.2 7770 24.1 26.5 50 TRINITY MTN. 14.0 67 13.7 VIENNA MINE 8960 13.6 20.3 20.2 68

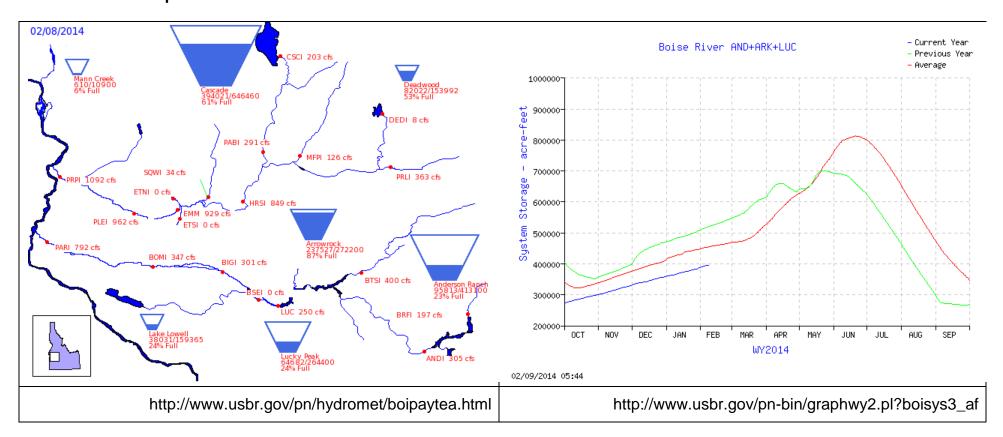
ftp://ftp.wcc.nrcs.usda.gov/data/snow/update/id.txt

Not much has changed since the prior edition. In two weeks, net storage has only increased 1.4%.

Pray for snow.

### Boise System Review For the Week Ending February 14, 2014

### **Boise River Teacup**



Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 42 % of capacity.

Total space available: 551678 AF
Total storage capacity: 949700 AF
Natural Flow: 1136 CFS

NRCS Water & Climate Center Snow-Precipitation Update

### 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, February 09, 2014

Basin	Elev	Snow Wa	ter Equi	valent		Year-to- ecipitatio	
Site Name	(ft)	Current	Median	Pct of	Current	Average	Pct of
		(in)	(in)	Median	(in)	(in)	Average
BOISE BASIN							
ATLANTA SUMMIT	7580	16.1	19.9	81	15.5	22.7	68
BOGUS BASIN	6340	12.9	16.2 <sub>C</sub>	80	10.6	16.2 <sub>C</sub>	65
CAMAS CREEK							
DIVIDE	5710	5.3	9.7 <sub>C</sub>	55	7.4	12.8 <sub>C</sub>	58
DOLLARHIDE							
SUMMIT	8420	-M	15.3	*	10.4	18.0	58
GRAHAM GUARD							
STA.	5690	8.9	10.0	89	14.1	16.0	88
JACKSON PEAK	7070	14.2	18.6	76	16.0	22.8	70
MORES CREEK							
SUMMIT	6100	17.7	20.9	85	18.4	25.1	73
PRAIRIE	4800	-M	4.5	*	7.8	10.6	74
TRINITY MTN.	7770	18.2	25.5	71	17.0	27.4	62
VIENNA MINE	8960	16.9	20.6	82	16.4	21.0	78
Basin Index (%)				78		-	69

http://tinyurl.com/mzbxhau

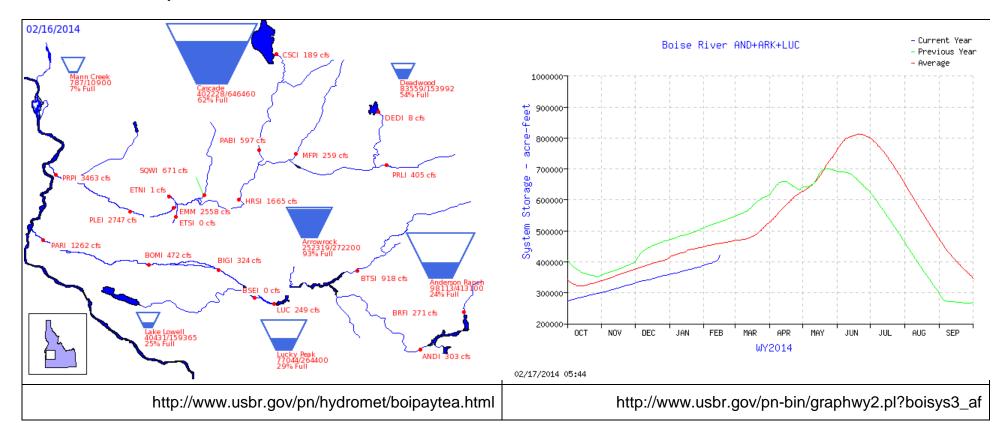
Now this report is a breath of fresh air. The Snow Water Equivaent has increased 16% in a week, while the Percent of Average Precipitation is up 11%. The forecast is for a wet week ahead, so perhaps things will keep looking up. The reservoirs continue their slow upward climb, continuing the 1½% increase over two weeks (0.83% last week). With the system at only 42% of capacity, there's plenty of room behind the dams.

Everybody should continue to pray for snow.

Cheers, Steve Sweet

PS: The typical Snow Precipitation Update went gunny-bag, so Idaho SNOTEL data from a different source has been substituted in this version.

#### **Boise River Teacup**



Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 45 % of capacity.

Total space available: 522224 AF
Total storage capacity: 949700 AF
Natural Flow: 2778 CFS

# NRCS Water & Climate Center Snow-Precipitation Update

United States Natural Resources Water and Climate Center Department of Conservation Portland, Oregon

Agriculture Service

SNOW - PRECIPITATION UPDATE

Based on Mountain Data from NRCS SNOTEL Sites
As of MONDAY: FEBRUARY 17 , 2014

ELEV. SNOW WATER EQUIVALENT BASIN TOTAL PRECIPITATION (Ft) Data Site Name Current Median Median Current Average Avg BOISE BASIN ATLANTA SUMMIT 7580 20.9 21.2 18.3 24.4 75 14.9 17.5 85 13.2 17.2 77 BOGUS BASIN 6340 CAMAS CREEK DIVIDE 10.2 9.9 5710 6.9 68 13.3 74 13.3 19.2 DOLLARHIDE SUMMIT 8420 16.3 69 GRAHAM GUARD STA. 10.7 10.9 98 17.6 5690 17.1 103 19.5 7070 18.0 21.1 24.4 JACKSON PEAK 85 80 23.9 94 23.8 26.5 MORES CREEK SUMMIT 6100 22.5 90 104 10.3 4800 PRAIRIE 4.9 4.7 11.3 91 23.3 TRINITY MTN. 7770 28.3 82 21.5 29.6 73

22.0

22.2

ftp://ftp.wcc.nrcs.usda.gov/data/snow/update/id.txt

101

17.7

22.3

79

Well, isn't that something? There's a significant uptick of flows into the three reservoirs - over twice as much coming is as compared to last week's report. Most of the flow is coming past Twin Springs (North Fork & Middle Fork). The South Fork at Featheville isn't moving much, meaning the the snow is holding the precipitation on the South Fork. The storage jumped three points in a week. Previously, we were looking at three points in a month.

The storms last week are bringing us to close to normal for precitation accumulation - up 11 or so percentage points over last week.

Let's all continue to pray for snow, apparently it worked last week. Amazing!

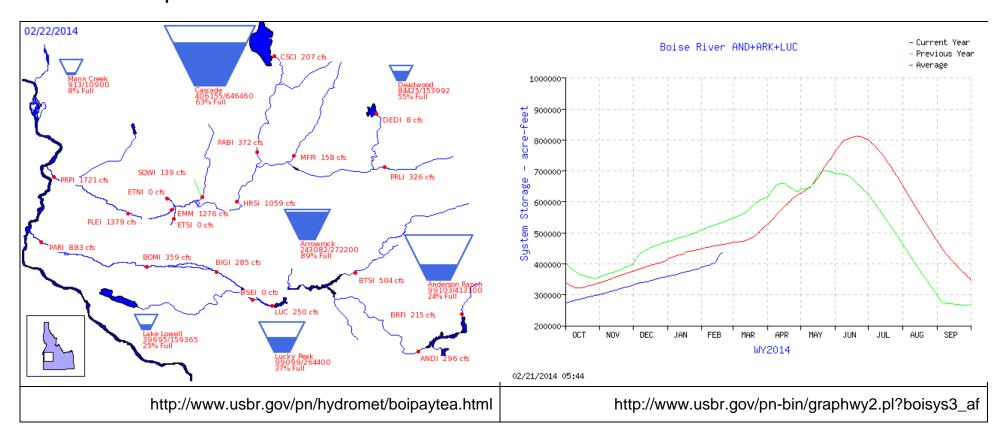
8960

Basin Index (%)

Cheers, Steve Sweet

VIENNA MINE

### **Boise River Teacup**



Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 46 % of capacity.

Total space available: 511881 AF
Total storage capacity: 949700 AF
Natural Flow: 1272 CFS

# NRCS Water & Climate Center Snow-Precipitation Update

United States Natural Resources Water and Climate Center Department of Conservation Portland, Oregon

Agriculture Service

SNOW - PRECIPITATION UPDATE

Based on Mountain Data from NRCS SNOTEL Sites

As of SUNDAY: FEBRUARY 23 , 2014 ELEV. SNOW WATER EQUIVALENT BASIN TOTAL PRECIPITATION Data Site Name (Ft) 8 Current Median Median Current Average Avg BOISE BASIN 22.5 ATLANTA SUMMIT 7580 22.3 99 18.7 25.8 72 15.6 BOGUS BASIN 6340 18.2 13.7 17.7 77 CAMAS CREEK DIVIDE 5710 7.3 10.6 69 10.2 13.8 74 14.3 20.4 70 DOLLARHIDE SUMMIT 8420 -M17.2 5690 11.9 104 GRAHAM GUARD STA. 11.4 104 18.6 17.9 
 22.1
 87
 20.6
 25.7

 24.9
 96
 24.8
 28.0
 JACKSON PEAK 7070 19.2 MORES CREEK SUMMIT 6100 23.8 89 4.8 PRAIRIE 4800 5.1 106 10.6 11.9 89 7770 29.6 83 22.4 TRINITY MTN. 24.6 31.3 72 23.8 VIENNA MINE 8960 24.0 101 -M23.6

ftp://ftp.wcc.nrcs.usda.gov/data/snow/update/id.txt

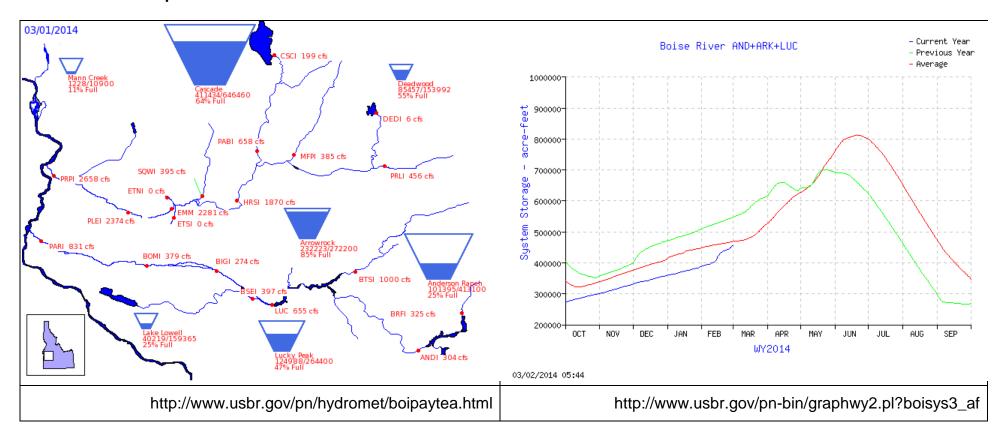
The blue line is still heading for the red (Where we is vs where we has been on the 30-yr average). Unfortunately, we've only gained one percentage point on reservoir storage and are still less than half-full. Twin Springs (North Fork & Middle Fork) dropped off significantly recently. The South Fork at Featheville still isn't moving much, meaning the the snow is holding the precipitation on the South Fork.

It's been pretty quiet on the precipitation front, as the Basin summary is very close to the same as the week before.

Let's all get back to praying for snow, as some of you were apparently dogging it last week. We need more.

### Boise System Review For the Week Ending March 7, 2014

#### **Boise River Teacup**



Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 48 % of capacity.

Total space available: 491094 AF
Total storage capacity: 949700 AF
Natural Flow: 2129 CFS

## NRCS Water & Climate Center Snow-Precipitation Update

United States Natural Resources Water and Climate Center Department of Conservation Portland, Oregon

Agriculture Service

SNOW - PRECIPITATION UPDATE

Based on Mountain Data from NRCS SNOTEL Sites As of SUNDAY: MARCH 2 , 2014

ELEV. SNOW WATER EQUIVALENT TOTAL PRECIPITATION BASIN Data Site Name (Ft) Current Median Median Current Average Avg BOISE BASIN ATLANTA SUMMIT 7580 22.9 23.6 97 22.0 27.0 81 BOGUS BASIN 6340 16.6 21.7 76 14.3 18.8 76

CAMAS CREEK DIVIDE	5710	7.0	11.4	61	10.4	14.3	73
DOLLARHIDE SUMMIT	8420	-M	-M	*	14.5	21.4	68
GRAHAM GUARD STA.	5690	10.8	11.8	92	19.2	18.5	104
JACKSON PEAK	7070	20.3	22.3	91	22.3	26.9	83
MORES CREEK SUMMIT	6100	25.1	26.2	96	26.3	29.2	90
PRAIRIE	4800	4.1	5.0	82	10.9	12.4	88
TRINITY MTN.	7770	25.2	30.8	82	24.0	32.6	74
VIENNA MINE	8960	24.9	24.8	100	23.8	24.7	96
Basin 1	Index (%)			88			83

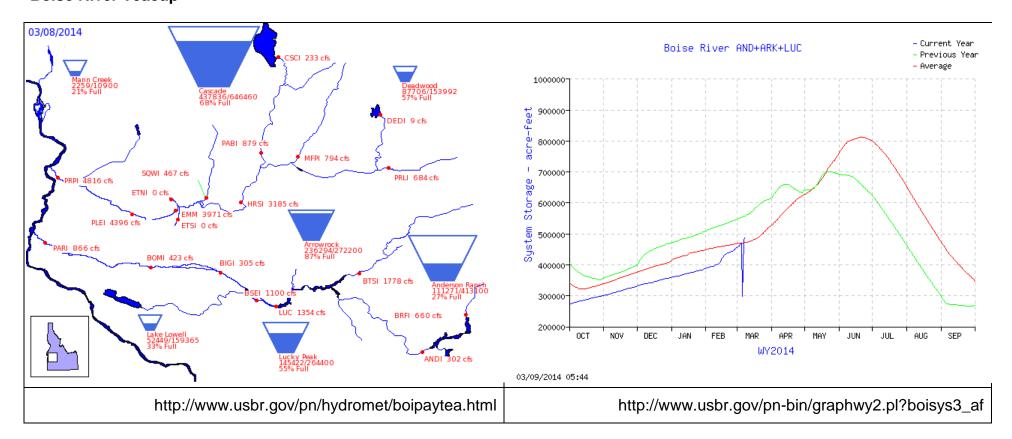
ftp://ftp.wcc.nrcs.usda.gov/data/snow/update/id.txt

If this keeps up, the blue line could intercept the red (Where we is vs where we has been on the 30-yr average) next week. Last week we gained two percentage points on reservoir storage. However, we still remain just under half-full. Twin Springs' flow (North Fork & Middle Fork) doubled over the prior week's, which fits with the low snow we've been seeing disappear on the Boise Front. The South Fork at Featheville bumped up 30% over the week earlier, meaning that some of the precipitation landing on the South Fork is the liquid type.

We had one report of a cheery Leprechaun dancing for precipitation, which apparently can account for the slight uptick in snow water equivalent. However, the rest of you must have been sitting it out. Get to work. ;^)

### Boise System Review For the Week Ending March 14, 2014

#### **Boise River Teacup**



Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 52 % of capacity.

Total space available: 456713 AF
Total storage capacity: 949700 AF
Natural Flow: 3805 CFS

# NRCS Water & Climate Center Snow-Precipitation Update

United States Natural Resources Water and Climate Center Department of Conservation Portland, Oregon

Agriculture Service

SNOW - PRECIPITATION UPDATE

Based on Mountain Data from NRCS SNOTEL Sites

As of SUNDAY: MARCH 9 , 2014

BASIN Data Site Name	ELEV. (Ft)	SNOW WAT	SNOW WATER EQUIVALENT TOTAL PRECIPITY &					
		Current	Median	Median	Curren	t Aver	age Avg	
BOISE BASIN								
ATLANTA SUMMIT	7580	25.7	24.9	103	25.4	28.2	90	
BOGUS BASIN	6340	18.3	22.5	81	16.1	19.6	82	
CAMAS CREEK DIVIDE	5710	6.0	11.8	51	11.5	14.7	78	
DOLLARHIDE SUMMIT	8420	-M	-M	*	16.7	22.5	74	
GRAHAM GUARD STA.	5690	10.2	12.7	80	21.2	19.2	110	
JACKSON PEAK	7070	22.8	23.0	99	25.4	28.1	90	
MORES CREEK SUMMIT	6100	28.1	27.1	104	29.6	30.5	97	
PRAIRIE	4800	1.7	4.4	39	12.1	13.0	93	
TRINITY MTN.	7770	29.4	31.5	93	28.5	34.1	84	
VIENNA MINE	8960	28.6	26.6	108	26.9	26.0	103	
Basin I			93			90		

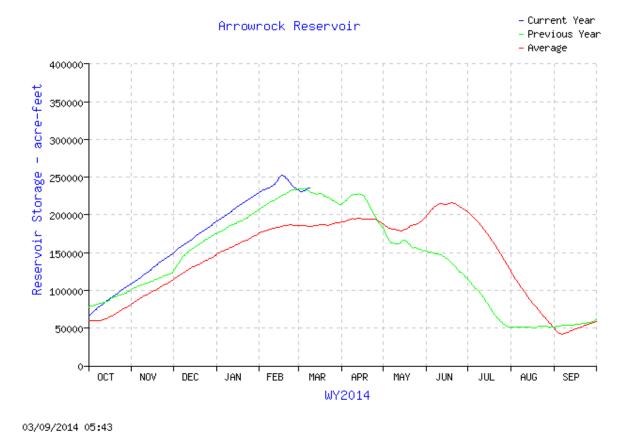
ftp://ftp.wcc.nrcs.usda.gov/data/snow/update/id.txt

More people obviously got around to doing a little rain dancing last week. Total precipitation jumped 7 percentage points to 90% of average and, for the first time this season, that pesky blue line crossed the red line. Total system reservoir storage is now officially ahead of the 30-year average. Storage bumped up 4% last week - one of the best increases of the season. Curretly, natural flow into the reservoir system is up to 3,800 cfs. Last week, we were only looking at 2,100 cfs, so we're presently enjoying an 80% increase in natural flow. Obviously, we're seeing the effects of the upper basin rain.

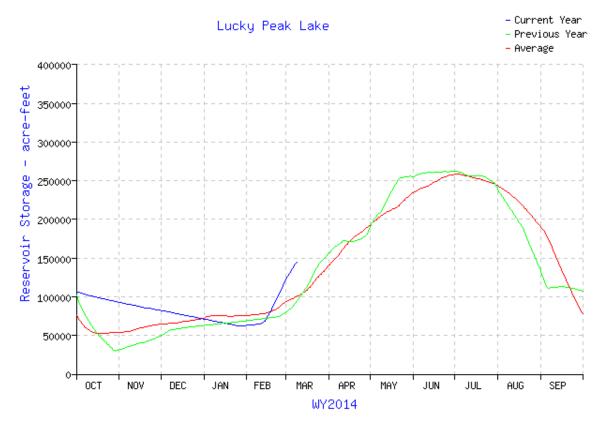
The consensus on the street is that Anderson Ranch, at only 27% full, likely won't fill this year. Considering that we're at average, let's take a look at just Arrowrock (at 87% full) and Lucky Peak (at 55% full). Between the two of them, those two ponds are 76% full. We'll be keeping an eye on the combination of these two for the forseable future. There is the possibility that while Anderson Ranch won't fill, the lower two reservoirs may reach the point where we could see flood control operations this Spring.

Stay tuned.

The Arrowrock current year (blue line) is well ahead of the 30-year average (red line).

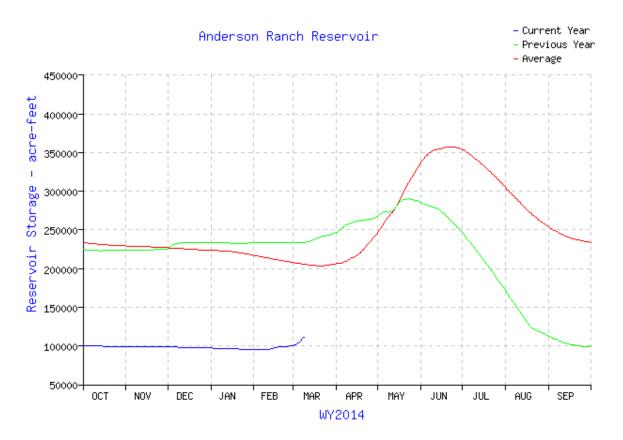


Lucky Peak is also trending ahead of the historical runoff.



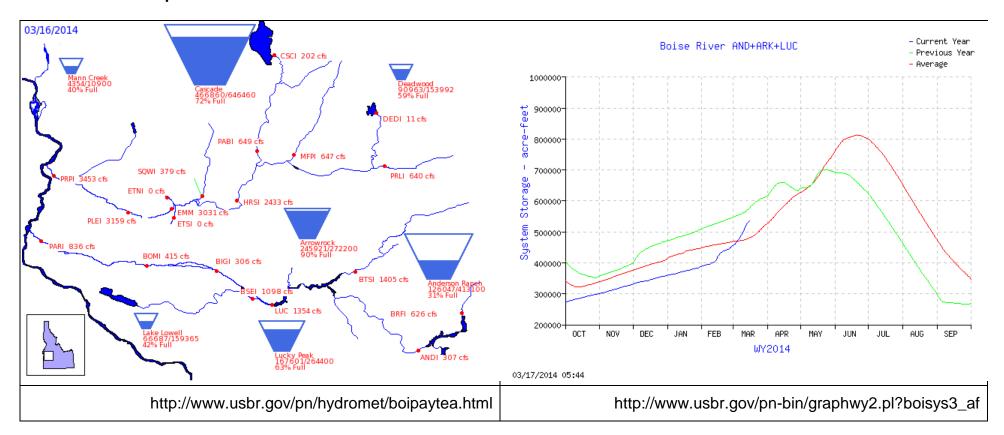
03/09/2014 05:43

Anderson Ranch is the only reservoir lagging behind the historic trend.



### For the Week Ending March 21, 2014

#### **Boise River Teacup**



Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 57 % of capacity.

Total space available: 410131 AF
Total storage capacity: 949700 AF
Natural Flow: 3065 CFS

# NRCS Water & Climate Center Snow-Precipitation Update

United States Natural Resources Water and Climate Center Department of Conservation Portland, Oregon

Agriculture Service

SNOW - PRECIPITATION UPDATE

Based on Mountain Data from NRCS SNOTEL Sites
As of SUNDAY: MARCH 16 , 2014

BASIN ELEV. SNOW WATER EQUIVALENT TOTAL PRECIPITATION Data Site Name (Ft) e Current Median Median Current Average Avg BOISE BASIN ATLANTA SUMMIT 7580 27.5 25.6 107 27.1 29.3 92 BOGUS BASIN 19.9 18.4 6340 22.3 89 20.3 91 CAMAS CREEK DIVIDE 5710 5.3 11.5 46 12.3 15.2 81 DOLLARHIDE SUMMIT 8420 -M17.8 23.4 76 -M5690 11.8 12.8 92 22.5 19.8 GRAHAM GUARD STA. 114

24.1

27.2

3.3

31.8

24.0

28.5

. 4

31.3

30.5

Basin Index (%)

96

93

ftp://ftp.wcc.nrcs.usda.gov/data/snow/update/id.txt

100

105

12

98

110

27.4

31.5

13.0

30.9

27.4

29.2

31.6

13.5

35.4

26.9

94

100

96

87

102

Last week, the Snow-Precipitation Udate showed another 3% increase in both Snow Water Equivalent and Total Precipitation. Two more weeks at this rate, and we'll be at average. That pesky blue line has crossed the red line in earnest since the last report.

System infill as of this report has dropped 27% to 3,100 cfs. That will fluctuate with the upper basin temperatures. If we get more high elevation rain or warmer days, inflow can change. Anderson Ranch bumped from 27% to 31% percent full in a week, while the other two nudged only 1% to 77% full. Lake Lowell is reporting 42% full, inferring an additional 92 k-ac-ft of storage available, 33 k-ac-ft more than the 30-yr average.

Re: flood control operations for 2014: We're not out of the woods yet. Stay tuned.

7070

6100

4800

7770

8960

Cheers, Steve Sweet

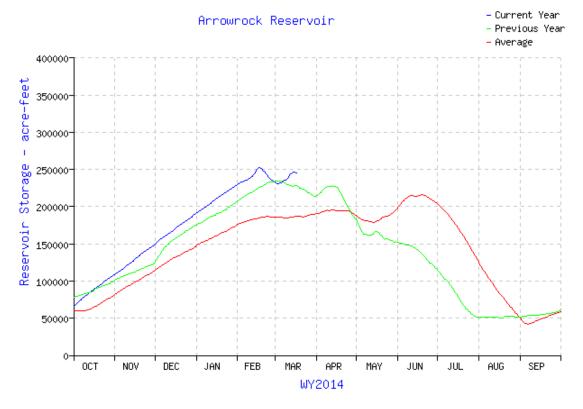
JACKSON PEAK

TRINITY MTN.

PRAIRIE

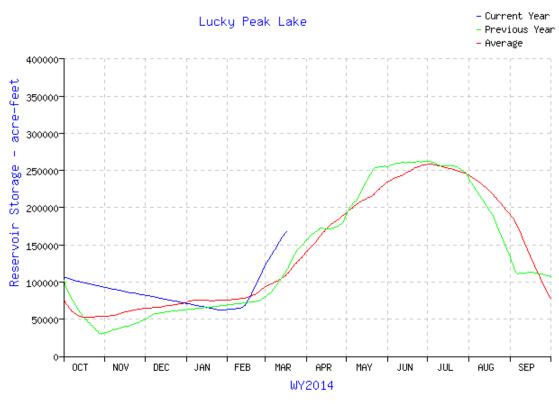
MORES CREEK SUMMIT

The Arrowrock current year (blue line) is well ahead of the 30-year average (red line).



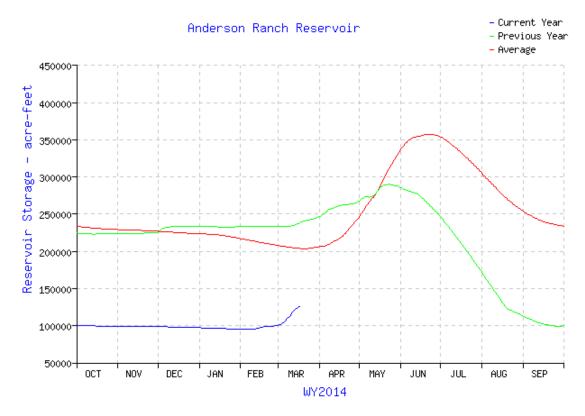
03/17/2014 05:43

Lucky Peak is also trending ahead of the historical runoff.



03/17/2014 05:43

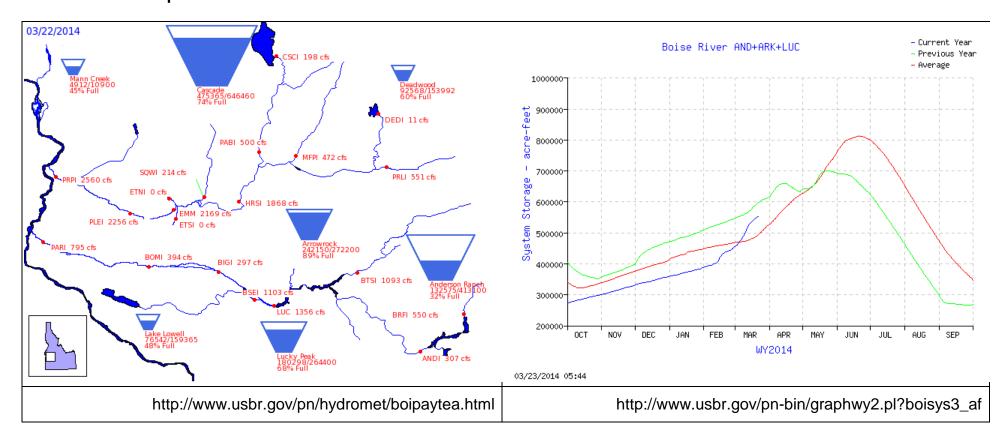
Anderson Ranch continues to lag behind the historic trend.



03/17/2014 05:43

### Boise System Review For the Week Ending March 28, 2014

#### **Boise River Teacup**



Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 58 % of capacity.

Total space available: 394677 AF
Total storage capacity: 949700 AF
Natural Flow: 2298 CFS

# NRCS Water & Climate Center Snow-Precipitation Update

United States Natural Resources Water and Climate Center Department of Conservation Portland, Oregon

Agriculture Service

SNOW - PRECIPITATION UPDATE

Based on Mountain Data from NRCS SNOTEL Sites

As of FRIDAY: MARCH 21 , 2014

BASIN Data Site Name	ELEV. (Ft)	SNOW WAT	ER EQUIV	'ALENT %	TOTAL PRECIPITATION %			
		Current	Median	Median	Current	Avera	ge Avg	
BOISE BASIN								
ATLANTA SUMMIT	7580	28.3	26.1	108	27.6	30.1	92	
BOGUS BASIN	6340	20.7	22.2	93	18.8	20.8	90	
CAMAS CREEK DIVIDE	5710	5.4	11.4	47	12.5	15.5	81	
DOLLARHIDE SUMMIT	8420	-M	-M	*	18.0	24.0	75	
GRAHAM GUARD STA.	5690	11.7	13.2	89	22.7	20.3	112	
JACKSON PEAK	7070	24.2	24.6	98	28.0	30.0	93	
MORES CREEK SUMMIT	6100	29.1	27.8	105	32.2	32.4	99	
PRAIRIE	4800	.0	2.0	0	13.2	14.0	94	
TRINITY MTN.	7770	32.3	32.5	99	31.5	36.3	87	
VIENNA MINE	8960	30.9	28.5	108	28.9	27.5	105	
Basin In	ıdex (%)			97			93	

ftp://ftp.wcc.nrcs.usda.gov/data/snow/update/id.txt

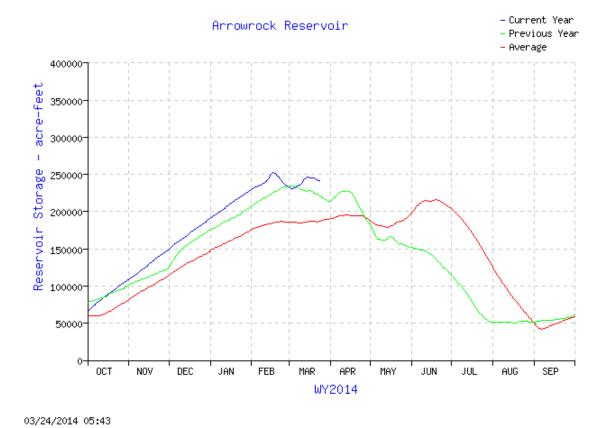
Last week, the Snow-Precipitation Update essentially held steady in both Snow Water Equivalent and Total Precipitation.

System infill as of this report has dropped 25% to 2,300 cfs. Anderson Ranch nudged up 1% to 32% percent full in a week, while the other two bumped 2% to 72% full. Apparently, according to a report from the well-informed Boise River Watermaster, that's enough to catch the attention of the reservoir operation managers (USBoR & USACE). They're apparently staying tuned.

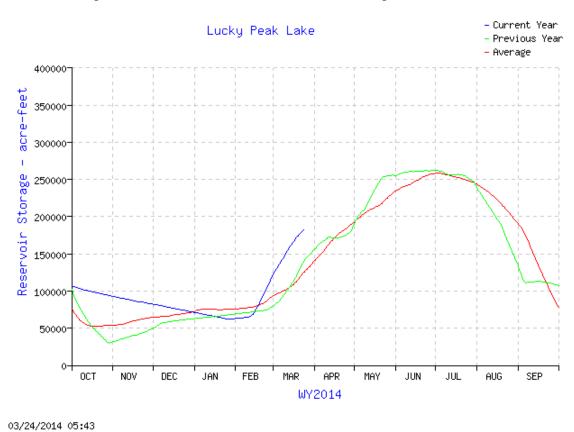
Beginning April 1, while the system is at less than 60% of capacity and with an average snow pack, flood control operations will begin on the Boise River. When the New York Canal shuts down on the 1st, the flow will be diverted into the Boise River, as the Corps is looking to create 60,000 ac-ft hole in Lucky Peak. By April 1 or 2, flows are anticipated to reach 1,500 - 2,000 cfs at Glenwood. There is some thinking that flows may reach 2,000-2,500 cfs, tops. Of course, all bets are off, if we see April precipitation similar to 2012.

Stay tuned.

The Arrowrock current year (blue line) is well ahead of the 30-year average (red line) and holding steady at full.

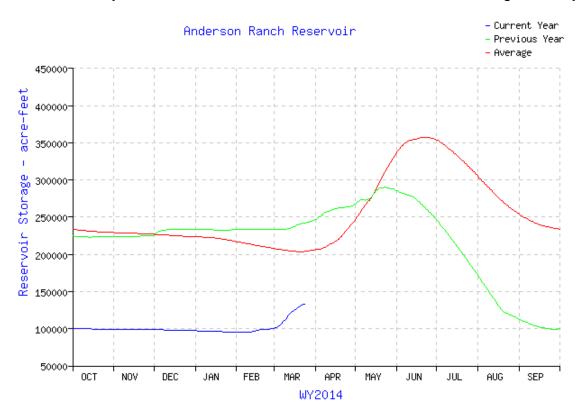


Lucky Peak is also trending ahead of the historical runoff, continuing to fill.



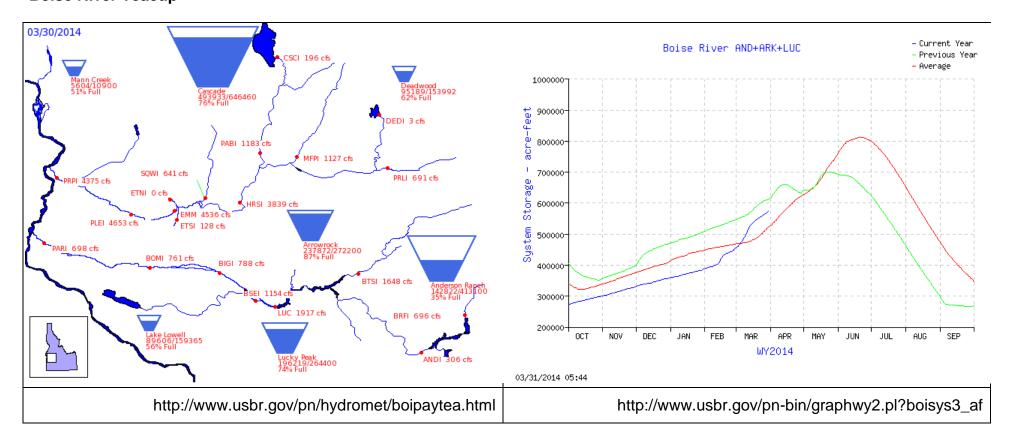
Anderson Ranch continues to lag behind the historic trend. The rate of fill has tapered slightly, reflecting the falloff in natural flow.

Tip to you intrepid water watchers: Keep an eye on the blue line this year. If possible, we're likely to see the blue line (2014) shift well to the right of the green line (2013), closer to the red line (30-yr average) - or even to the right of the red. Flood control operations this year, while the upper system is not at capacity, will likely encourage irrigators to demand that the water is saved high in the system and not moved down to Lucky Peak for recreational use in the late summer. Once again: "Stay tuned."



#### Boise System Review For the Week Ending April 4, 2014

#### **Boise River Teacup**



Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 61 % of capacity.

Total space available: 372787 AF
Total storage capacity: 949700 AF
Natural Flow: 3479 CFS

### NRCS Water & Climate Center Snow-Precipitation Update

BASIN

United States Natural Resources Water and Climate Center Department of Conservation Portland, Oregon

Agriculture Service

SNOW - PRECIPITATION UPDATE

Based on Mountain Data from NRCS SNOTEL Sites

As of MONDAY: MARCH 31 , 2014

ELEV. SNOW WATER EQUIVALENT

Data Site Name	(Ft)			8			%
		Current	Median	Median	Current	Avera	ge Avg
BOISE BASIN							
ATLANTA SUMMIT	7580	30.7	27.5	112	29.8	31.6	94
BOGUS BASIN	6340	24.0	25.0	96	21.0	22.2	95
CAMAS CREEK DIVIDE	5710	3.1	10.5	30	13.7	16.2	85
DOLLARHIDE SUMMIT	8420	-M	-M	*	18.9	25.4	74
GRAHAM GUARD STA.	5690	12.9	12.0	108	24.4	21.3	115
JACKSON PEAK	7070	26.5	27.0	98	30.8	31.7	97
MORES CREEK SUMMIT	6100	32.7	30.6	107	35.4	34.0	104
PRAIRIE	4800	.0	.0	*	14.8	15.0	99
TRINITY MTN.	7770	36.1	35.1	103	34.4	38.2	90
VIENNA MINE	8960	33.4	30.1	111	30.8	29.2	105
Basin I		101			96		

ftp://ftp.wcc.nrcs.usda.gov/data/snow/update/id.txt

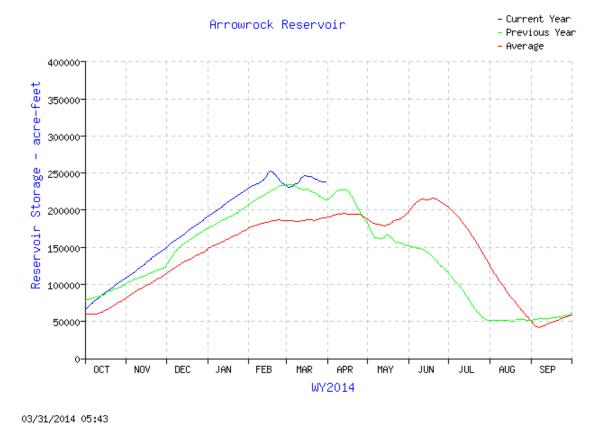
TOTAL PRECIPITATION

Last week, the Snow-Precipitation Update made a signifiant jump in both Snow Water Equivalent and Total Precipitation. With last week's precipitation, the snow water equivalent jumped 4% and first time this season is above average.

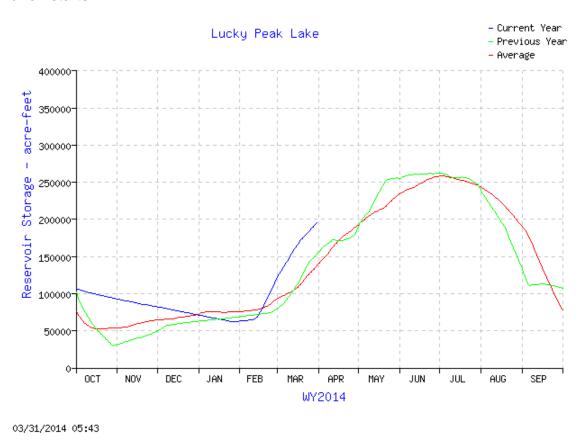
System infill has rebounded 50% from last week, to 3,500 cfs. Anderson Ranch nudged up 3% to 35% percent full in a week, while the other two bumped 9% to 81% full. As a result, late, late last week the flood operation managers have started trying to maintain a 60,000 ac-ft "hole" in Lucky Peak for the end of April. That means that between April Fool's Day and the end of the month, the net increase storage in Lucky Peak will only increase 8,200 ac-ft. And that means that the inflow into Lucky Peak will only exceed an average 136 cfs over the outflow. Stay tuned.

Due to precipitation projections, flood control releases began last Saturday night, three days earlier than previously projected. With irrigation season on the immediate horizon, hope springs eternal that the proper balance between inflow and outflow will be maintained.

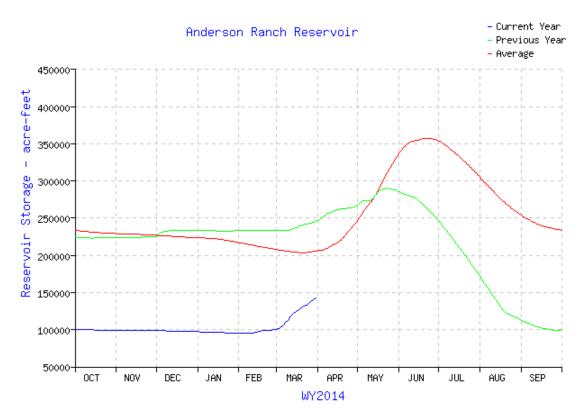
The Arrowrock current year (blue line) remains well ahead of the 30-year average (red line) and holding steady at full.



Lucky Peak is also trending ahead of the historical runoff, continuing to fill. Since Arrowrock is full, this reservoir will be a primary focus as the runoff starts.

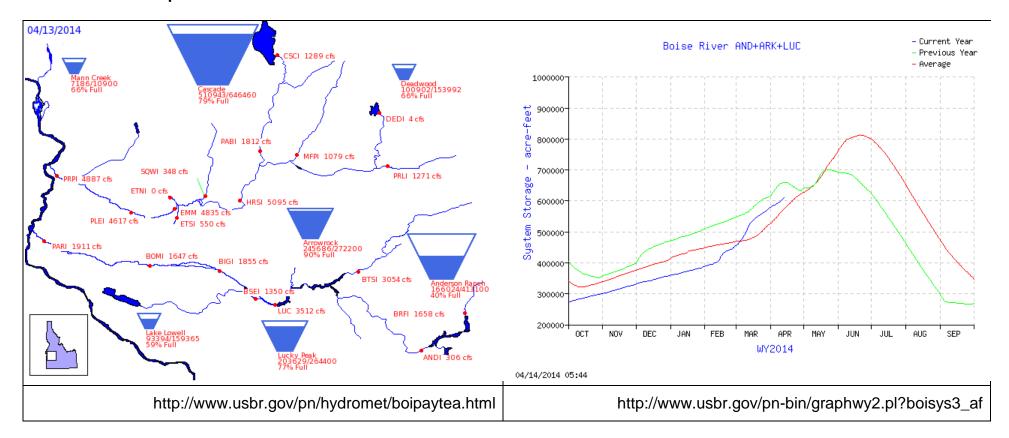


Anderson Ranch continues to lag behind the historic trend. The rate of fill has increased slightly, reflecting the 20% increase in natural flow.



### Boise System Review For the Week Ending April 18, 2014

#### **Boise River Teacup**



Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 65 % of capacity.

Total space available: 334361 AF
Total storage capacity: 949700 AF
Natural Flow: 5684 CFS

# NRCS Water & Climate Center Snow-Precipitation Update

United States Natural Resources Water and Climate Center Department of Conservation Portland, Oregon

Agriculture Service

SNOW - PRECIPITATION UPDATE

Based on Mountain Data from NRCS SNOTEL Sites

As of MONDAY: APRIL 14 , 2014

BASIN	ELEV.	SNOW WAT	ER EQUIV	ALENT	TOTAL PR	ECIPITATI	ON
Data Site Name	(Ft)	%			%		용
		Current	Median	Median	Current	Average	Avg

BOISE	BASIN

	ATLANTA SUMMIT	7580	30.9	26.6	116	31.3	33.4	94
	BOGUS BASIN	6340	23.6	23.1	102	22.2	24.0	92
	CAMAS CREEK DIVIDE	5710	.0	5.2	0	14.2	16.9	84
	DOLLARHIDE SUMMIT	8420	-M	-M	*	-M	26.9	*
	GRAHAM GUARD STA.	5690	9.5	8.2	116	25.0	22.5	111
	JACKSON PEAK	7070	26.4	26.8	99	32.3	33.6	96
	MORES CREEK SUMMIT	6100	32.0	27.9	115	37.1	35.7	104
	PRAIRIE	4800	.0	.0	*	15.5	16.3	95
	TRINITY MTN.	7770	35.5	35.8	99	35.6	40.2	89
	VIENNA MINE	8960	-M	31.5	*	-M	30.8	*
Basin Index (%)					103			96

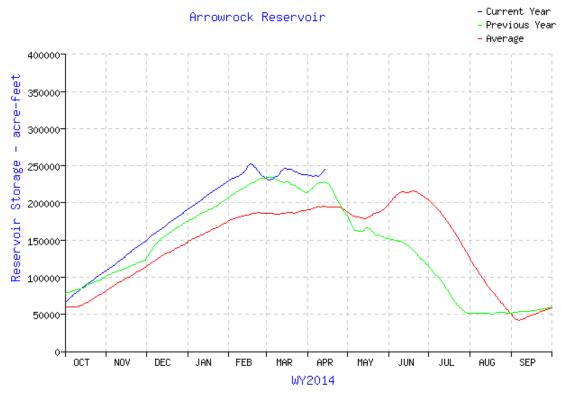
ftp://ftp.wcc.nrcs.usda.gov/data/snow/update/id.txt

Last week, the Snow-Precipitation Update started falling off by a few percentage points. As a result of the warm Spring weather, flows into the system increased by more than 220%. The spring runoff has started, just in time to fill the irrigation ditches. Presently, the system operators have increased flow at the Glenwood gage to nearly 2,000 cfs in order to maintain space in the system. With any luck, we could make it until the first of June before going onto regulation.

Anderson Ranch bumped up nicely 4% to 40% full, while the other two reservoirs nudged another 2% to 84% full. This week that pesky blue line in the Lucky Peak graph definitely started heading southeast, while increased storage in Arrowrock increased the combined storage in the lower two reservoirs by 8,400 ac-ft.

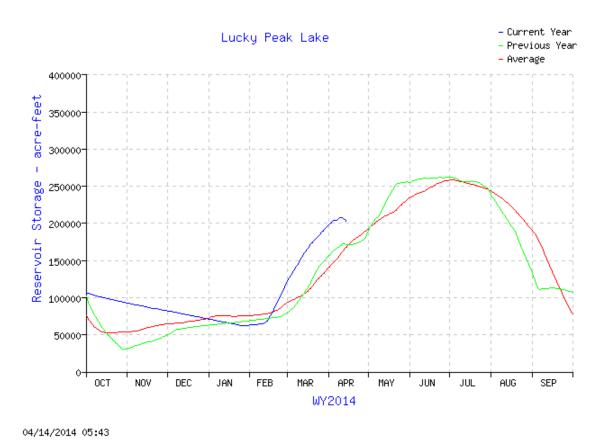
Stay tuned.

The Arrowrock current year (blue line) remains well ahead of the 30-year average (red line). In the last week, total storage in Arrowrock increased by 9,600 acre-feet.

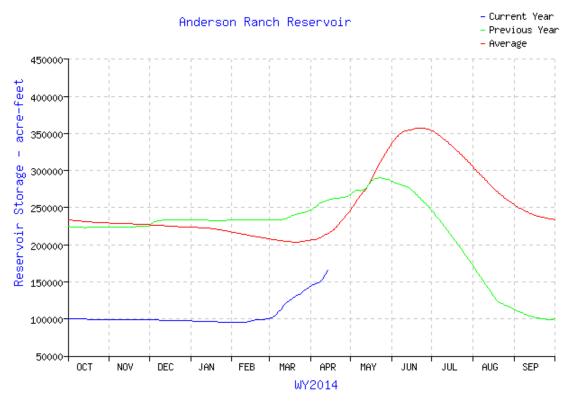


04/14/2014 05:43

Lucky Peak, while still trending ahead of the historical runoff, is starting to decline as irrigation and flood control releases kick in. Total storage is down 1,200 acre-feet compared to last week.



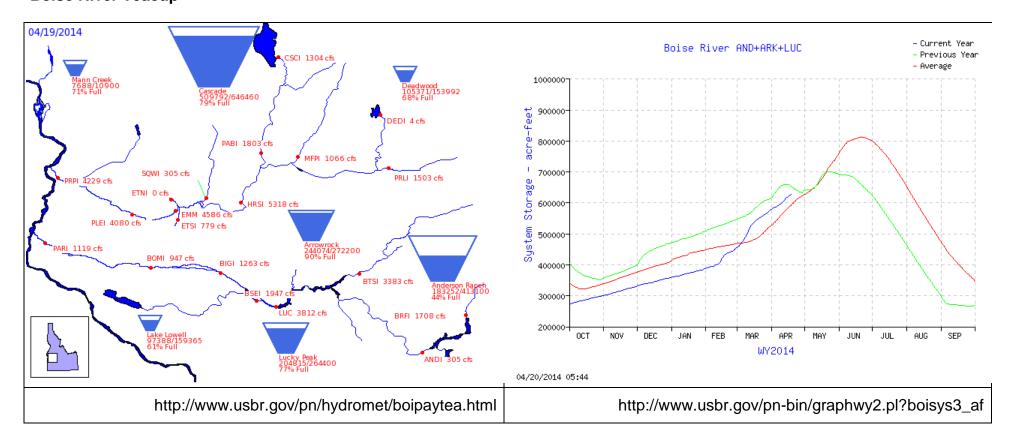
Anderson Ranch continues to climb as flows in the South Fork triple over last week's measurements. Storage has increased 17,600 acre-feet in a week.



04/14/2014 05:43

### Boise System Review For the Week Ending April 25, 2014

#### **Boise River Teacup**



Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 67 % of capacity.

Total space available: 317559 AF Total storage capacity: 949700 AF Natural Flow: 6087 CFS

## NRCS Water & Climate Center Snow-Precipitation Update

United States Natural Resources Water and Climate Center Department of Conservation Portland, Oregon

Agriculture Service

SNOW - PRECIPITATION UPDATE

Based on Mountain Data from NRCS SNOTEL Sites

As of SUNDAY: APRIL 20 , 2014

BASIN Data Site Name	ELEV. (Ft)	SNOW WAT	ER EQUIV	ALENT	TOTAL PRECIPITATION %			
pada proc name	(20)	Current	Median	ū	Curren	t Avera	age Avg	
BOISE BASIN								
ATLANTA SUMMIT	7580	30.5	26.0	117	31.6	34.2	92	
BOGUS BASIN	6340	20.6	21.5	96	22.5	24.3	93	
CAMAS CREEK DIVIDE	5710	.0	2.8	0	14.5	17.2	84	
DOLLARHIDE SUMMIT	8420	-M	-M	*	19.7	27.6	71	
GRAHAM GUARD STA.	5690	5.7	5.5	104	25.5	23.0	111	
JACKSON PEAK	7070	25.7	25.6	100	32.5	34.2	95	
MORES CREEK SUMMIT	6100	29.6	26.8	110	37.5	36.3	103	
PRAIRIE	4800	.0	.0	*	15.6	16.8	93	
TRINITY MTN.	7770	35.3	35.8	99	35.8	41.1	87	
VIENNA MINE	8960	34.0	31.9	107	32.4	31.4	103	
Basin In	ndex (%)			103			94	

ftp://ftp.wcc.nrcs.usda.gov/data/snow/update/id.txt

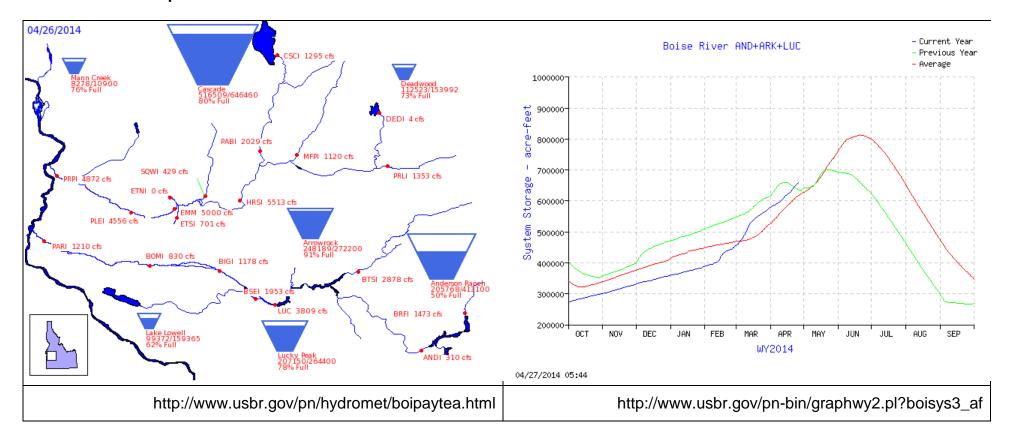
The Total-Precipitation fell off by a few percentage points. Flows into the system increased up by less than 10% compared to the prior week, and Lucky Peak discharges only rose 10% compared to the previous report. Overall, the system operators have decreased flow at the Glenwood gage by 50% to 1,300 cfs. Maybe, we're over the hump and the highwater threat has passed. Maybe not.

Total combined storage in Lucky Peak/Arrowrock is holding at 84%, off only 400 ac-ft from last week. Anderson Ranch bumped another 17,000 ac-ft and has increased total storage in that reservoir to 44% full. Total system capacity has increased 2% to 67% in a week.

Stay tuned.

### Boise System Review For the Week Ending May 2, 2014

#### **Boise River Teacup**



Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 70 % of capacity.

Total space available: 288593 AF
Total storage capacity: 949700 AF
Natural Flow: 5234 CFS

Basin Index (%)

## NRCS Water & Climate Center Snow-Precipitation Update

United States Natural Resources Water and Climate Center Department of Conservation Portland, Oregon

Agriculture Service

SNOW - PRECIPITATION UPDATE

Based on Mountain Data from NRCS SNOTEL Sites

As of SUNDAY: APRIL 27 , 2014

BASIN Data Site Name	ELEV. (Ft)	SNOW WAT	ER EQUIV	ALENT	TOTAL PRECIPITATION %			
2000 2200 1.00	(20)	Current	Median	Median	Curren	t Aver	age Avg	
BOISE BASIN								
ATLANTA SUMMIT	7580	31.6	24.6	128	33.5	35.0	96	
BOGUS BASIN	6340	21.1	18.9	112	24.1	24.9	97	
CAMAS CREEK DIVIDE	5710	.0	.0	*	14.8	17.8	83	
DOLLARHIDE SUMMIT	8420	-M	-M	*	20.7	28.2	73	
GRAHAM GUARD STA.	5690	2.7	.5	540*	26.9	23.7	114	
JACKSON PEAK	7070	-M	24.8	*	34.6	35.3	98	
MORES CREEK SUMMIT	6100	30.0	24.4	123	39.0	37.1	105	
PRAIRIE	4800	.0	.0	*	16.3	17.4	94	
TRINITY MTN.	7770	36.6	35.2	104	37.3	42.1	89	
VIENNA MINE	8960	35.4	32.0	111	33.9	32.3	105	

ftp://ftp.wcc.nrcs.usda.gov/data/snow/update/id.txt

96

In the last week, the Total-Precipitation rebounded by 2 percentage points, while the Snow Water Equivalent posted a robust 13% rise. Been a while since we've seen that.. Flows into the system decreased by 14% compared to the prior week, as precipitation accumulates in the hills as snow. Lucky Peak discharges held steady at 3,800 cfs. The Glenwood gage is sticking at the 1,300 cfs range.

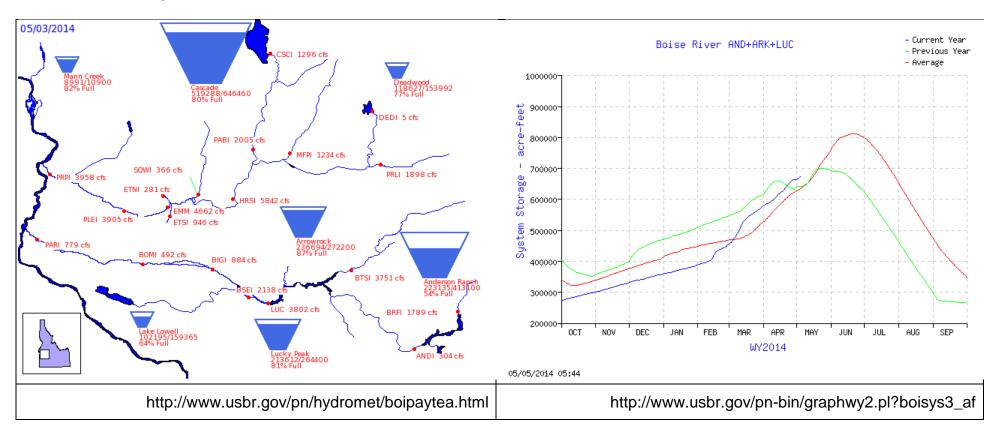
116

Total combined storage in Lucky Peak/Arrowrock nudged up to 84%, up 6,500 ac-ft from last week. Anderson Ranch bumped another 22,500 ac-ft and has increased total storage in that reservoir by 6% to 50% full. Total system capacity has increased 3% to 70% in the week.

Stay tuned.

### Boise System Review For the Week Ending May 9, 2014

#### **Boise River Teacup**



Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 71 % of capacity.

Total space available: 276259 AF
Total storage capacity: 949700 AF
Natural Flow: 7369 CFS

Basin Index (%)

# NRCS Water & Climate Center Snow-Precipitation Update

United States Natural Resources Water and Climate Center Department of Conservation Portland, Oregon

Agriculture Service

SNOW - PRECIPITATION UPDATE

Based on Mountain Data from NRCS SNOTEL Sites

As of SUNDAY: APRIL 27 , 2014

BASIN Data Site Name	ELEV. (Ft)	SNOW WATER EQUIVALENT			TOTAL PRECIPITATION			
	, ,	Current	Median	Median	Current	Aver	age Avg	
DOTGE BAGIN								
BOISE BASIN								
ATLANTA SUMMIT	7580	31.6	24.6	128	33.5	35.0	96	
BOGUS BASIN	6340	21.1	18.9	112	24.1	24.9	97	
CAMAS CREEK DIVIDE	5710	.0	.0	*	14.8	17.8	83	
DOLLARHIDE SUMMIT	8420	-M	-M	*	20.7	28.2	73	
GRAHAM GUARD STA.	5690	2.7	.5	540*	26.9	23.7	114	
JACKSON PEAK	7070	-M	24.8	*	34.6	35.3	98	
MORES CREEK SUMMIT	6100	30.0	24.4	123	39.0	37.1	105	
PRAIRIE	4800	.0	.0	*	16.3	17.4	94	
TRINITY MTN.	7770	36.6	35.2	104	37.3	42.1	89	
VIENNA MINE	8960	35.4	32.0	111	33.9	32.3	105	

Note: As of 6 am, Cinco de Mayo, Current Snow Water Equivalent and Total Precipitation data were missing. Either someone stole all the snow up in the hills or there's been a system crash. In response, the most recent (last week's) data is presented.

116

ftp://ftp.wcc.nrcs.usda.gov/data/snow/update/id.txt

96

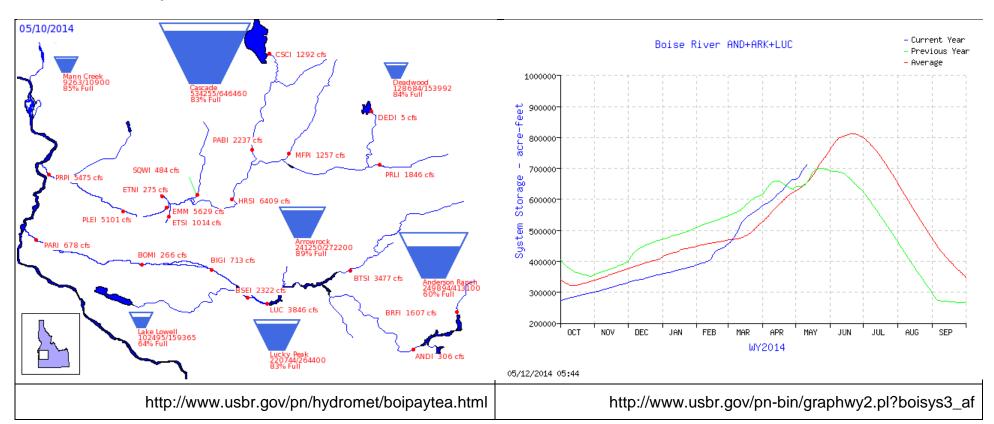
We're missing the Total-Precipitation and the Snow Water Equivalent for the week. Based on Spring weather arriving last week, the best we can do is assume that the runoff season is rolling. Flows into the system increased by 41% compared to the prior week, with the warm weather. Lucky Peak discharges held steady at 3,800 cfs, while there are rumors to the West (Walla2) that we may see a minor increase early this week. With increasing irrigation demand, the Glenwood gage is has dropped to the 900 cfs range.

Total combined storage in Lucky Peak/Arrowrock is staying even at 84%. Anderson Ranch bumped a respectable 17,400 ac-ft and has increased total storage in that reservoir by 4% to 54% full. Total system capacity has increased 1% to 71% in the week.

Stay tuned.

### Boise System Review For the Week Ending May 16, 2014

#### **Boise River Teacup**



Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 75 % of capacity.

Total space available: 237,812 AF
Total storage capacity: 949,700 AF
Natural Flow: 5,541 CFS

# NRCS Water & Climate Center Snow-Precipitation Update

United States Natural Resources Water and Climate Center Department of Conservation Portland, Oregon

Agriculture Service

SNOW - PRECIPITATION UPDATE

Based on Mountain Data from NRCS SNOTEL Sites

As of MONDAY: MAY 12 , 2014

BASIN Data Site Name	ELEV. (Ft)	SNOW WAT	TOTAL I	PRECIPITATION %			
baca Sice name	(10)	Current	Median	% Median	Current	. Avera	ŭ
BOISE BASIN							
ATLANTA SUMMIT	7580	27.4	22.2	123	34.8	36.7	95
BOGUS BASIN	6340	13.4	13.6	99	25.4	26.1	97
CAMAS CREEK DIVIDE	5710	.0	.0	*	15.3	18.7	82
DOLLARHIDE SUMMIT	8420	-M	-M	*	21.0	29.7	71
GRAHAM GUARD STA.	5690	.0	.0	*	27.4	24.9	110
JACKSON PEAK	7070	29.9	19.1	157	36.2	36.9	98
MORES CREEK SUMMIT	6100	21.7	19.3	112	40.6	38.7	105
PRAIRIE	4800	.0	.0	*	17.4	18.3	95
TRINITY MTN.	7770	34.4	33.6	102	38.6	43.9	88
VIENNA MINE	8960	34.2	27.6	124	34.9	33.8	103
Basin Ir	ndex (%)			119			95

ftp://ftp.wcc.nrcs.usda.gov/data/snow/update/id.txt

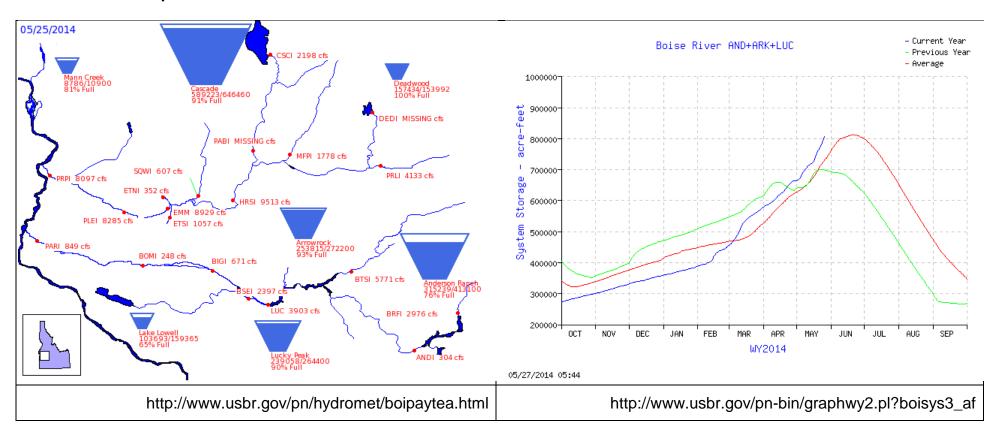
The 2014 runoff season is rolling. Although flows into the system decreased compared to the prior week, the Snow Water Equivalent increased. Lucky Peak discharges held steady at 3,800 cfs, with no minor increases during the week. With increasing irrigation demand, the Glenwood gage is has dropped off 200 cfs to the 700 cfs range.

Total combined storage in Lucky Peak/Arrowrock bumped up to 86%. Anderson Ranch increased a respectable 26,800 ac-ft. Over the week, total storage has increased in Anderson by 6% to 60% full. Total system capacity for the 3 reservoirs has increased 4% to 75% over the week. With a modicum of luck, we just might see the system fill, as those pesky blue lines seem to be pointing in the general direction.

Stay tuned.

### For the Week Ending May 30, 2014

#### **Boise River Teacup**



Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 85 % of capacity.

Total space available: 141,588 AF
Total storage capacity: 949,700 AF
Natural Flow: 9,200 CFS

## NRCS Water & Climate Center Snow-Precipitation Update

United States	Natural Resources	Water	and	Climate	Center
Department of	Conservation		Po	ortland,	Oregon
7 7					

Agriculture Service

S N O W - P R E C I P I T A T I O N U P D A T E
Based on Mountain Data from NRCS SNOTEL Sites
As of TUESDAY: MAY 27 , 2014

ELEV. SNOW WATER EQUIVALENT BASIN TOTAL PRECIPITATION Data Site Name (Ft) 응 Current Median Median Current Average Avg BOISE BASIN ATLANTA SUMMIT 11.5 7580 10.3 90 35.3 38.2 92 25.6 27.1 BOGUS BASIN 6340 . 3 . 0 94 CAMAS CREEK DIVIDE .0 5710 .0 15.3 19.5 78 DOLLARHIDE SUMMIT 8420 -M-M21.3 31.1 68 26.6 GRAHAM GUARD STA. 5690 .0 . 0 26.2 102 JACKSON PEAK 7070 14.4 12.4 116 36.3 38.5 94 3.0 3.0 100\* MORES CREEK SUMMIT 6100 40.9 40.1 102 4800 17.7 19.2 PRAIRIE . 0 . 0 92 79 TRINITY MTN. 7770 22.0 28.0 39.2 45.6 86 8960 23.6 22.1 107 35.3 35.3 VIENNA MINE 100 Basin Index (%) 96\* 91

ftp://ftp.wcc.nrcs.usda.gov/data/snow/update/id.txt

### Notes:

\* Site -- Either: (a) the current value is missing; (b) the median or average for the day is not available or is zero; or (c) for snow water equivalent, the median for the day is less than 10% of the maximum median value for the year.

\* Basin - More than half of the sites within the basin are flagged with \*, preventing the calculation of a meaningful basin index.

The basin index is calculated as the sum of the valid current values divided by the sum of the corresponding medians (for snow water equivalent) or averages (for precipitation) and the resulting fraction multiplied by 100.

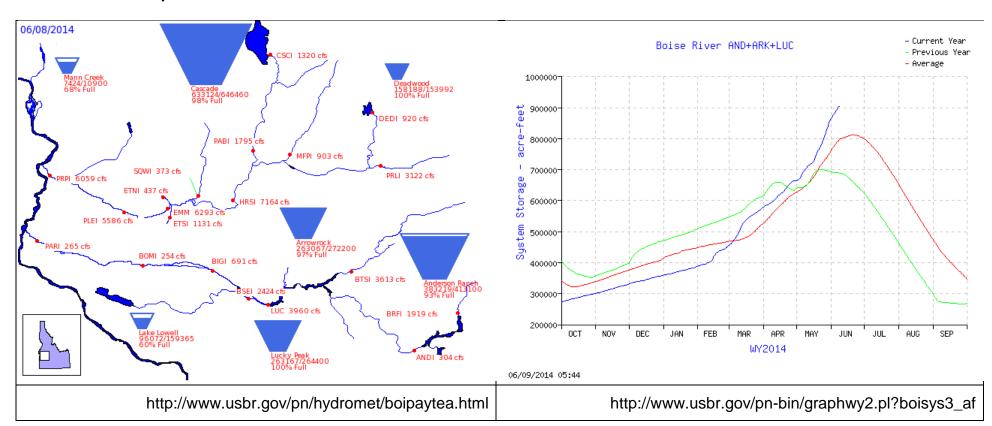
The low snow's gone and the warm weather's bringing the rest down. Lucky Peak discharges bumped up to 3,900 cfs. The Glenwood gage is holding in the 700 cfs range.

Total combined storage in Lucky Peak/Arrowrock bumped up to 92%. Anderson Ranch continues to fill and with any luck, we should see that one top out. Over the past two weeks, total storage has increased in Anderson by 16% to 76% full. Total system capacity for the 3 reservoirs has increased 10% to 85% over the same two weeks. Those pesky blue lines continue upward and to the right.

Listen closely and you just might hear the Fat Lady, roaming around the back country, working on clearing her throat. Stay tuned.

### Boise System Review For the Week Ending June 13, 2014

#### **Boise River Teacup**



Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 96 % of capacity.

Total space available: 40,247 AF
Total storage capacity: 949,700 AF
Natural Flow: 6,028 CFS

# NRCS Water & Climate Center Snow-Precipitation Update

United States Natural Resources Water and Climate Center Department of Conservation Portland, Oregon

Agriculture Service

SNOW - PRECIPITATION UPDATE

Based on Mountain Data from NRCS SNOTEL Sites

As of MONDAY: JUNE 9 , 2014

BASIN Data Site Name	ELEV. (Ft)	SNOW WATER EQUIVALENT TOTAL PRECIP %					'ION %
		Current	Median	Median	Current	Average	. Avg
BOISE BASIN							
ATLANTA SUMMIT	7580	.0	.0	*	35.3	39.4	90
BOGUS BASIN	6340	. 2	.0	*	25.5	28.3	90
CAMAS CREEK DIVIDE	5710	.0	.0	*	15.3	20.3	75
DOLLARHIDE SUMMIT	8420	-M	-M	*	21.4	32.5	66
GRAHAM GUARD STA.	5690	.0	.0	*	25.8	27.3	95
JACKSON PEAK	7070	2.5	.0	*	36.3	40.0	91
MORES CREEK SUMMIT	6100	.0	.0	*	40.9	41.5	99
PRAIRIE	4800	.0	.0	*	-M	20.0	*
TRINITY MTN.	7770	4.5	16.8	27	39.2	47.2	83
VIENNA MINE	8960	9.0	14.9	60	34.8	36.8	95
Basin Ir	ndex (%)			51*			88

ftp://ftp.wcc.nrcs.usda.gov/data/snow/update/id.txt

We're on the backside. Lucky Peak discharges have held at 3,900 cfs for three weeks. The Bureau of Reclamation begins release for Flow Augmentation with increases of 300 cfs on June 9 and 400 cfs on June 10, continuing for 30 days, says the Watermaster.

Total combined storage is 96%. The over-all pesky blue line continues upward, tipping ever so slightly, and with luck we'll fill.

The Fat Lady's been roaming around the back country, clearing her throat. Then, to everyone's surprise, Walla2 Jeremy, begins channeling her with last Friday's dispatch: "Based on current snowpack and inflow conditions the Corps and Reclamation feel the majority of flood risk potential has past. Starting today all release changes for irrigation and flow augmentation will come from the Boise River Watermaster until next flood season." There you have it: The Fat Lady's singing!



Until next season, Orenout Steve Sweet