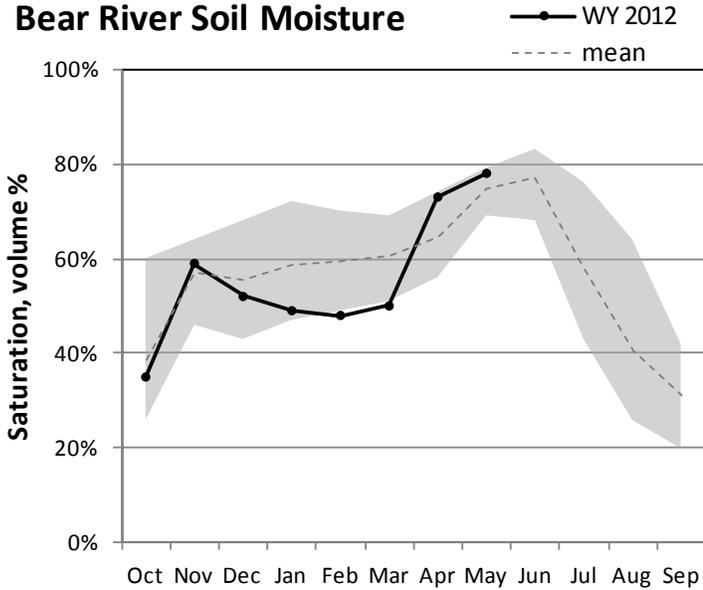


Bear River Basin

May 1, 2012

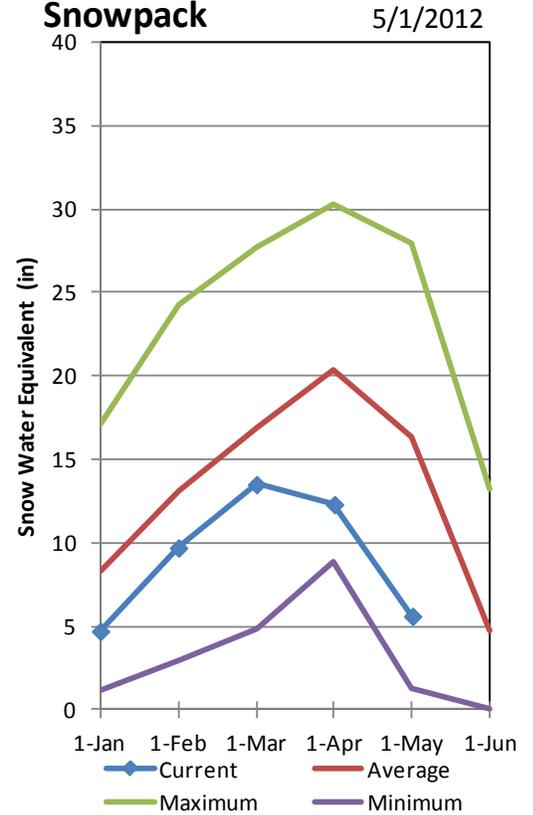
Snowpacks on the Bear River Basin are much below average at 27% of normal, and 13% of last year. Individual sites range from bare to 60% of average at Howell Canyon SNOTEL. April precipitation was below average at 81%, which brings the seasonal accumulation (Oct-Apr) to 78% of average. Soil moisture levels in runoff producing areas are at 78% of saturation in the upper 2 feet of soil compared to 75% last year. Forecast streamflows (May-July) are much below average (19%-49%) volumes for this spring and summer. Reservoir storage is at 83% of capacity, which is 36% higher than this time last year. The Surface Water Supply Index is at 63% for the Bear River, in other words, 37% of years have had more total water available. Overall water supply conditions are above average.

Bear River Soil Moisture

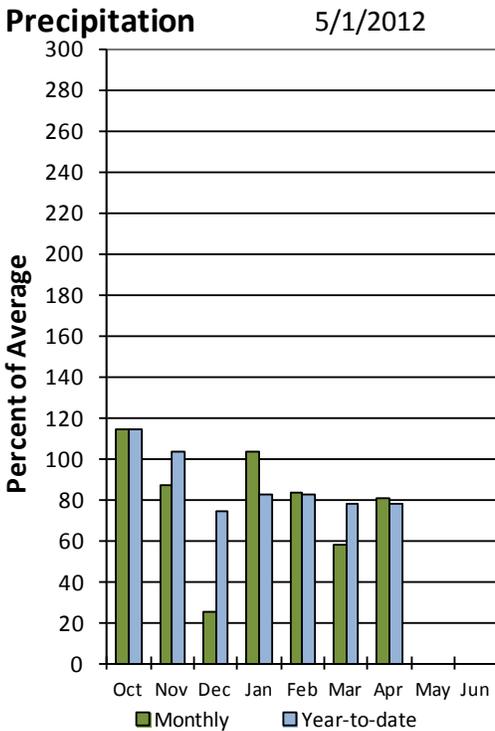


Percent saturation is calculated using the weighted average of volumetric soil moisture content at 2, 8, and 20-inch depths. Saturation is estimated as 40% volumetric water content. The gray area represents the range in saturation values since 2005.

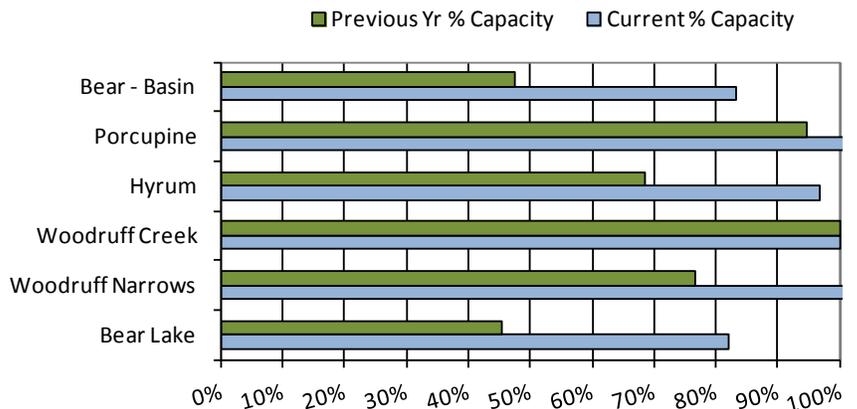
Bear River Snowpack



Bear River Precipitation



May Bear River Reservoir Storage



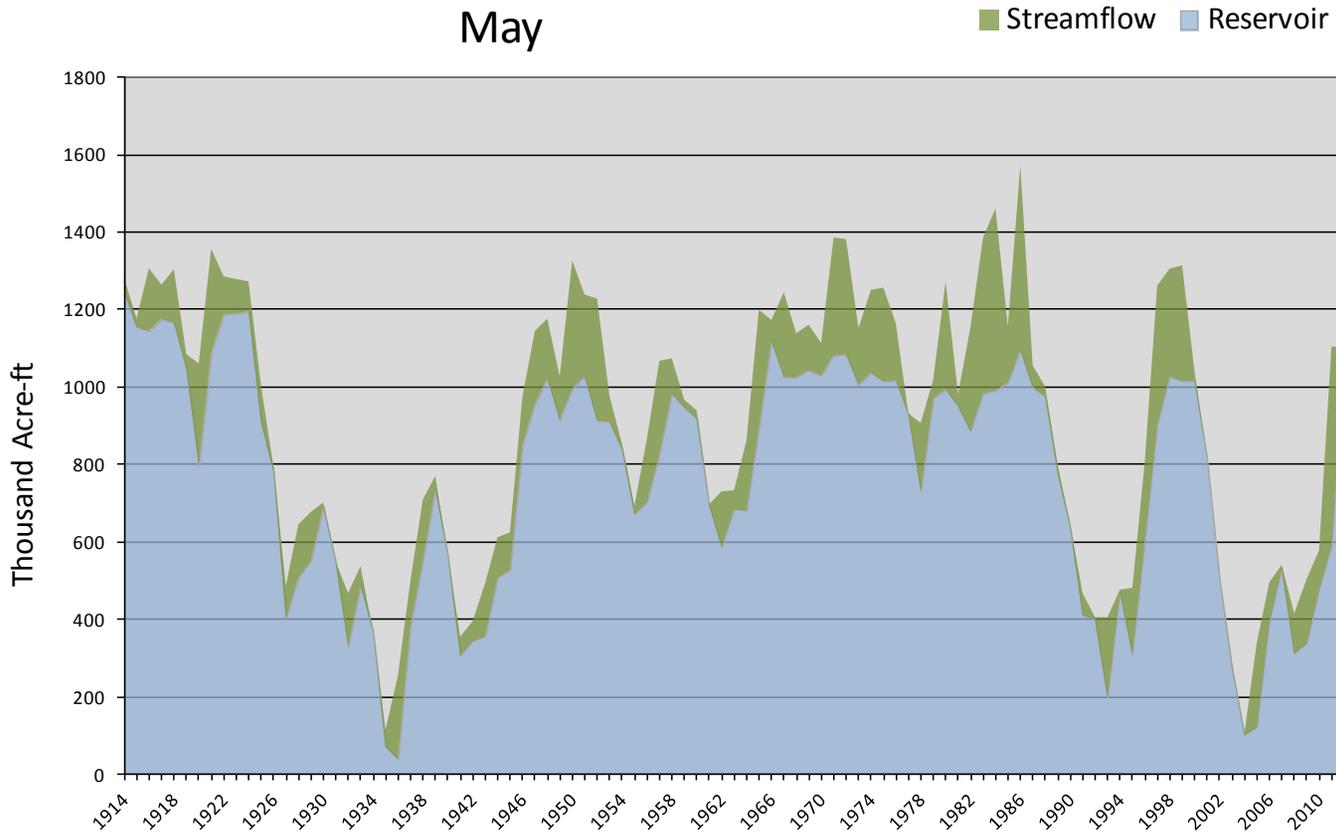
May 1, 2012

Surface Water Supply Index

Basin or Region	April EOM* Bear Lake	May-July Forecast below Stewart Dam	Reservoir + Streamflow	SWSI#	Percentile	Years with similar SWSI
	<i>KAF^</i>	<i>KAF</i>	<i>KAF</i>		%	
Bear River	1068	35	1103	1.08	63	58,19,11,70

*EOM, end of month; #SWSI, Surface Water Supply Index; ^KAF, thousand acre-feet.

Bear River - Surface Water Supply Index
May



BEAR RIVER BASIN as of May 1, 2012

BEAR RIVER BASIN
Streamflow Forecasts - May 1, 2012

Forecast Point	Forecast Period	<<==== Drier ==== Future Conditions ==== Wetter =====>>						30-Yr Avg. (1000AF)
		90%		50%		10%		
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	
Bear R nr UT-WY State Line	APR-JUL	40	54	63	56	72	86	113
	MAY-JUL	29	42	50	47	58	71	107
Bear R ab Res nr Woodruff	APR-JUL	25	43	56	41	69	87	136
	MAY-JUL	13.0	30	42	36	54	71	116
Big Ck nr Randolph	APR-JUL	1.57	2.40	3.00	61	3.60	4.40	4.90
	MAY-JUL	0.65	1.48	2.10	49	2.70	3.50	4.30
Smiths Fk nr Border	APR-JUL	38	46	51	50	56	64	103
	MAY-JUL	27	35	40	42	45	53	95
Bear R bl Stewart Dam	APR-JUL	5.0	28	63	27	98	150	234
	MAY-JUL	4.0	15.0	35	19	63	104	186
Little Bear R at Paradise	APR-JUL	4.5	13.7	20	44	26	36	46
	MAY-JUL	0.6	5.1	11.0	34	16.9	26	32
Logan R nr Logan	APR-JUL	41	55	64	51	73	87	126
	MAY-JUL	24	38	47	44	56	70	108
Blacksmith Fork nr Hyrum	APR-JUL	0.5	13.3	22	46	31	44	48
	MAY-JUL	0.4	6.1	14.0	35	22	34	40
Dunn Ck nr Park Valley	APR-JUL	0.06	0.37	1.10	36	2.50	4.40	3.10
	MAY-JUL	0.08	0.36	0.80	29	1.65	2.20	2.80

Reservoir	BEAR RIVER BASIN Reservoir Storage (1000 AF) - End of April				BEAR RIVER BASIN Watershed Snowpack Analysis - May 1, 2012			
	Usable Capacity	*** Usable Storage This Year	Last Year	*** Avg	Watershed	Number of Data Sites	This Year as % of Last Yr	% of Average
BEAR LAKE	1302	1068	590	---	BEAR RIVER, UPPER	8	19	37
HYRUM	15.3	14.8	10.5	13.2	BEAR RIVER, LOWER	9	14	27
PORCUPINE	11.3	11.5	10.7	9.5	LOGAN RIVER	4	17	40
WOODRUFF NARROWS	57.3	58.9	44.0	38.5	RAFT RIVER	1	32	60
WOODRUFF CREEK	4.0	4.0	4.0	---	BEAR RIVER BASIN	17	14	32

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.

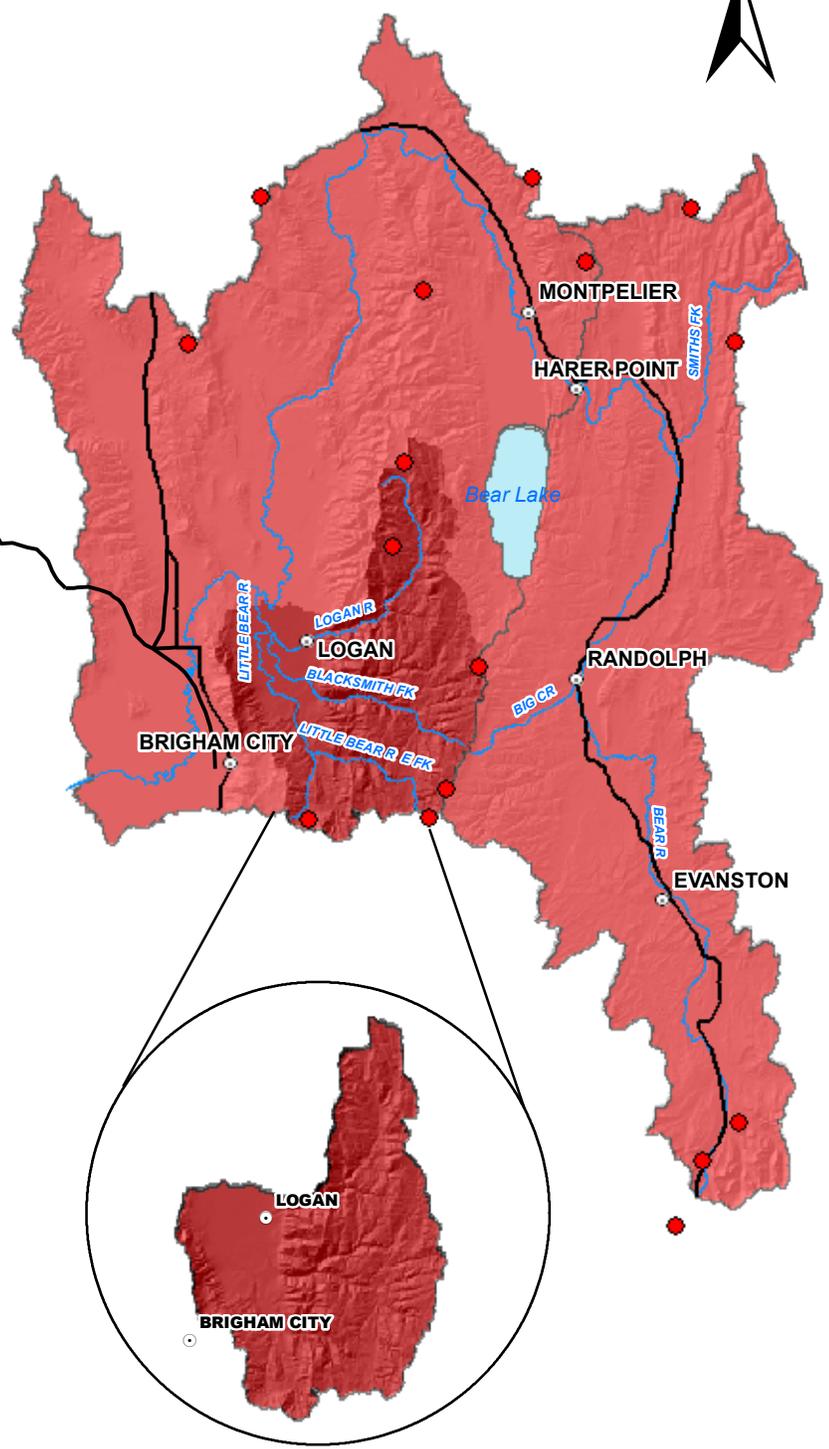
Bear River & Raft River Basins

Basinwide Average

Snotel % of Average

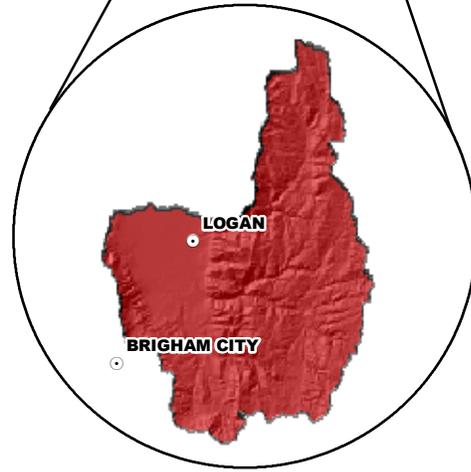
32 %

- < 50%
- 50 - 69%
- 70 - 89%
- 90 - 109%
- 110 - 129%
- 130 - 149%
- > 150%



Watershed % of Average

- 0
- <50%
- 50 - 69%
- 70 - 89%
- 90 - 109%
- 110 - 129%
- 130 - 149%
- >150%



Provisional Data
Subject to Revision

