



# Utah Water Supply Outlook Report

May 1, 2015



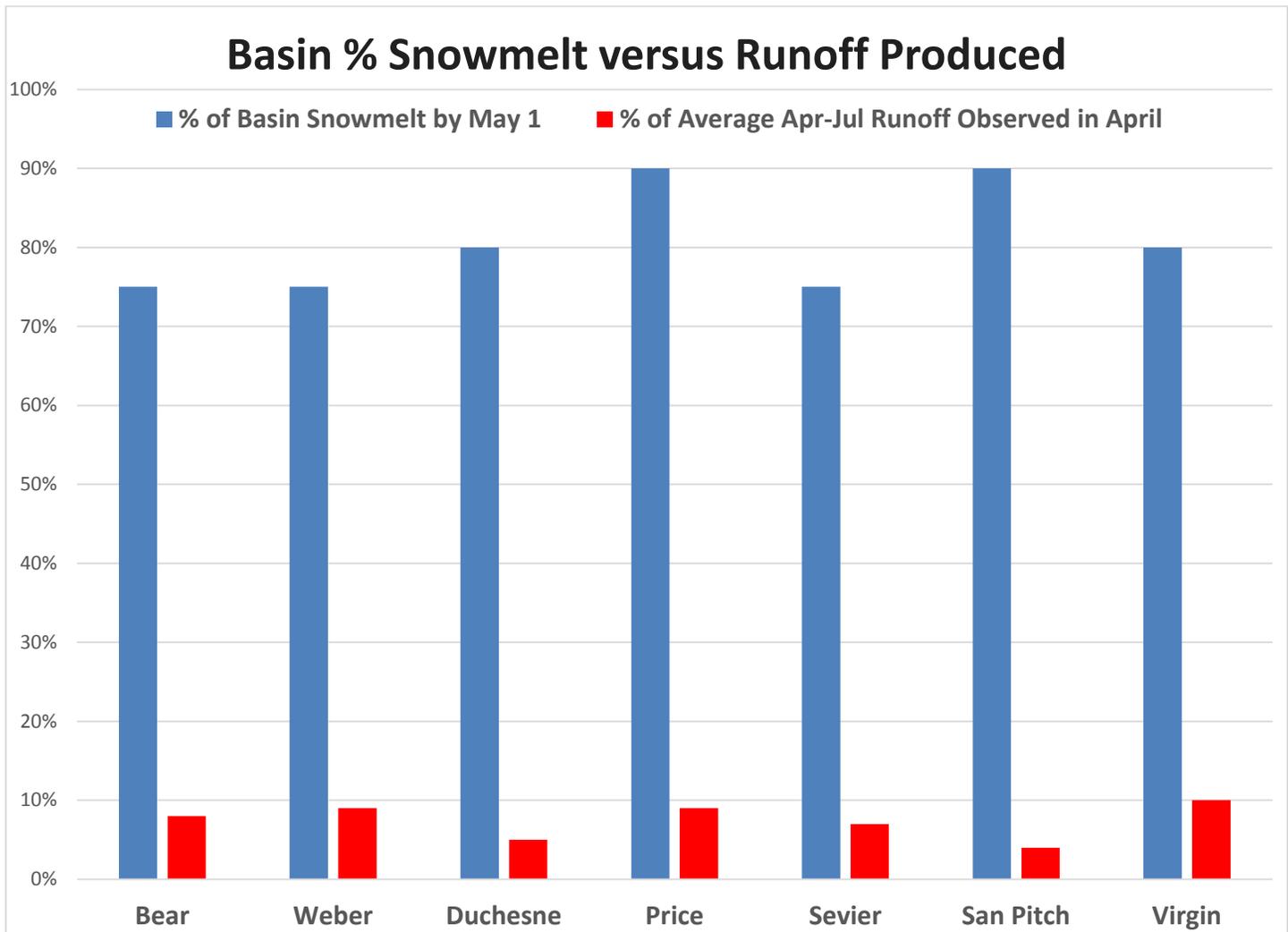
An empty Gunnison Reservoir – 5/1/2015.  
Photo by Anthony Steinfeldt, NRCS.

# STATE OF UTAH GENERAL OUTLOOK

May 1, 2015

## SUMMARY

Snow packs are melting quickly and streamflow response has been poor. About 70% of all snow measurement sites in Utah had no snow as of May 1. Those that did – didn't have much and won't have that for very long. As an example, the Weber River has lost about 75% of its total snow pack to date and has produced a paltry 8.5% of its normal April-July streamflow. The story is the same across the state – the Upper Sevier has lost about 75% of its total snow and produced a meager 7.5% of April-July streamflow.



We can only hope the remaining portion of snow produces a bit more runoff but the prospect is pretty bleak. Low snow years typically melt out earlier (about 2 to 4 weeks), generate lower peak flows which also come earlier in the season and substantially lower accumulated flow. For most watersheds in low snow years, about half of the April-July flow is generated post snow melt out which will occur on most basins within the next 2 weeks. This means that – for most areas – April-July streamflow will likely be in the 20% to 40% of average range. Lower elevation watersheds are already melted out and are in hydrograph recession. April precipitation was fairly uniform statewide ranging from 60% to 90% of average, which brings the year to date precipitation to below normal statewide at 64%. Current soil moisture saturation levels in runoff producing areas are near peak for the year and will quickly begin drying. Reservoir storage in 46 of Utah's key irrigation reservoirs is currently at 65% of capacity statewide which is 2% less than last year at this time. General runoff conditions are extremely poor in all areas of the state. May-July stream flow forecasts range from 6% for Salt Creek at Nephi to 54% of average for the East Fork of Smiths Fork near Robertson.

## **SNOWPACK**

May first snowpacks as measured by the NRCS SNOTEL system are as follows: Bear - 33%, Weber - 19%, Provo - 16%, Duchesne - 31%, Price - 13%, southeast Utah - 0%, upper Sevier - 30%, San Pitch - 17% and southwest Utah - 38% and the statewide figure is 23% of average compared to 83% last year. Given current conditions, most watersheds will melt out by mid-May.

## **PRECIPITATION**

Mountain precipitation as measured by the NRCS SNOTEL system during April was: Bear - 66%, Weber - 67%, Provo - 69%, Duchesne - 59%, Price - 76%, South East - 89%, Upper Sevier - 76%, Southwestern Utah - 72% and the statewide figure is 74% of average. This brings the seasonal accumulation (Oct-April) to 64% of average statewide, about 20% less than last year.

## **RESERVOIRS**

Storage in 46 of Utah's key irrigation reservoirs is at 65% of capacity, 2% less than last year. Reservoir storage by Basin: Bear - 49%, Weber - 52%, Provo - 72%, Duchesne - 77%, Price San Rafael - 57%, Upper Sevier - 61%, Southwestern Utah - 45% of capacity.

## **STREAMFLOW**

Snowmelt streamflows are expected to be below to much below average across the entire state this year. Stream flow will come early, have lower peaks and substantially lower April-July volumes.

## **SURFACE WATER SUPPLY INDEX**

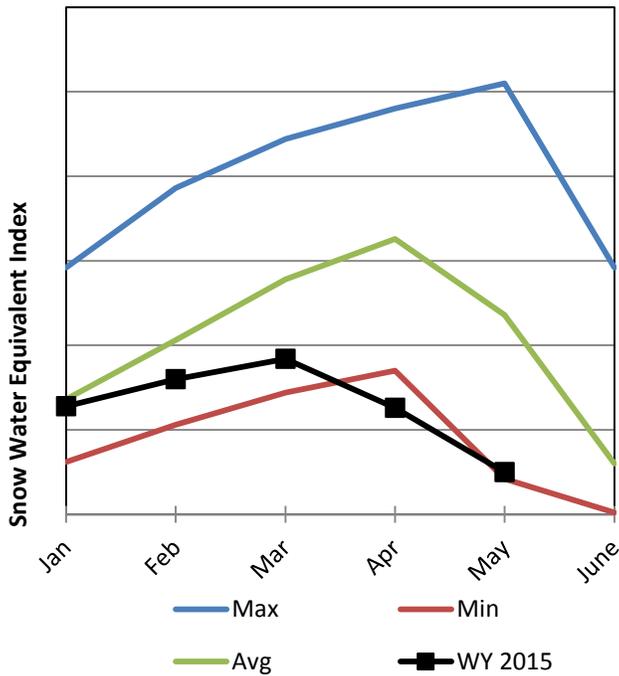
Water Supply Indices range from a low at 3% for the Eastern Uintah Basin, Joes Valley, and San Pitch to a high of 42% for the Bear River. Water users with reservoir storage may have short supplies this year across much of the state and those reliant on direct stream flow will experience shortages.

# Statewide Utah

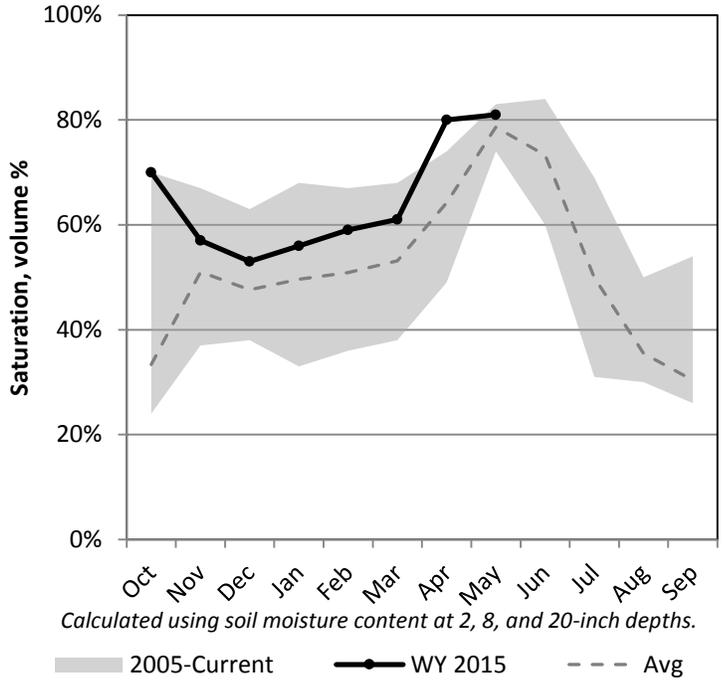
5/1/2015

Snowpack in Utah is much below normal at 23% of normal, compared to 83% last year. Precipitation in April was below average at 74%, which brings the seasonal accumulation (Oct-Apr) to 64% of average. Soil moisture is at 81% compared to 77% last year. Reservoir storage is at 65% of capacity, compared to 67% last year. Forecast streamflow volumes range from 6% to 65% of average.

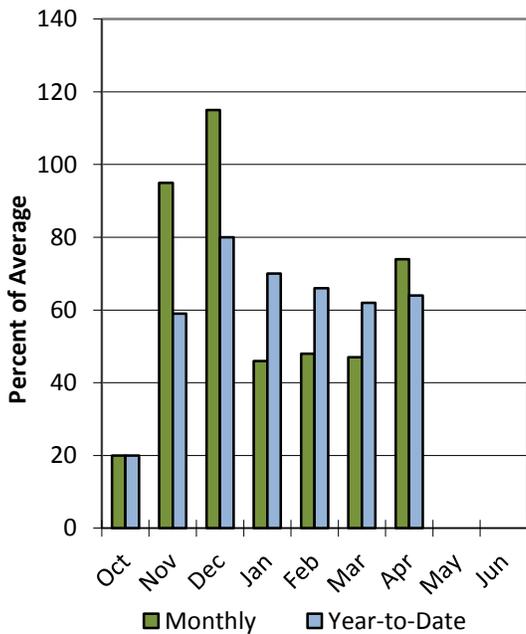
## Snowpack



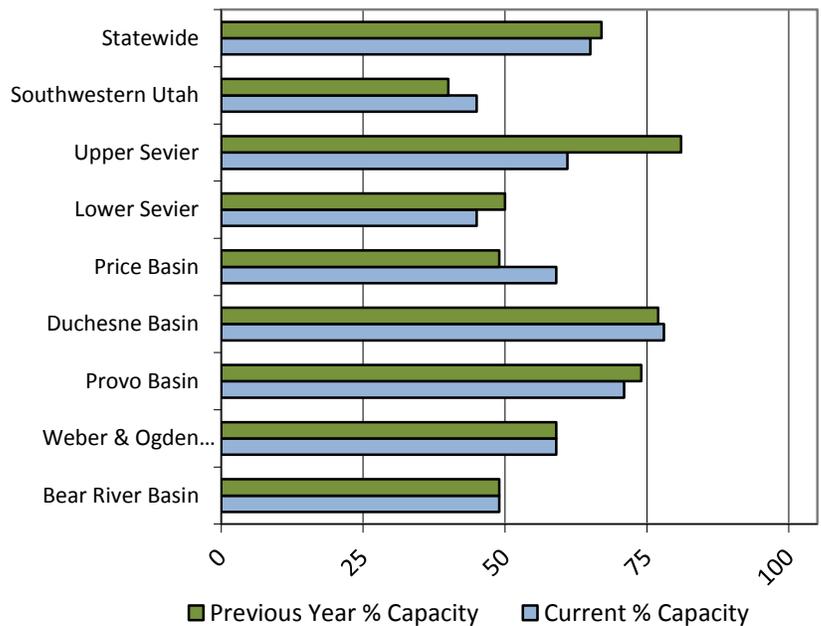
## Soil Moisture



## Precipitation



## Reservoir Storage

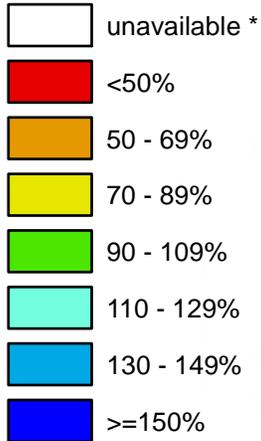


# Utah

## SNOTEL Current Snow Water Equivalent (SWE) % of Normal

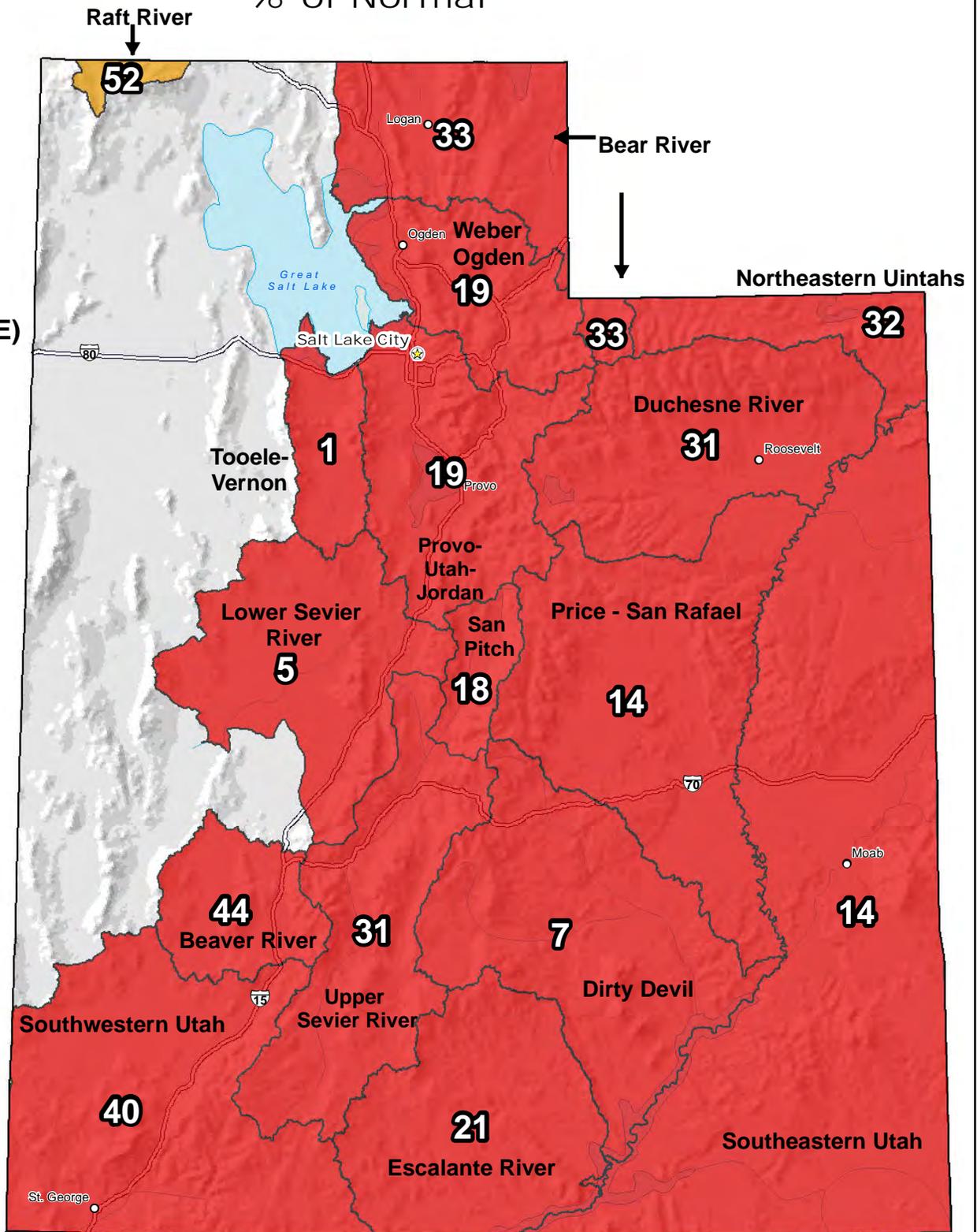
May 01, 2015

**Snow Water Equivalent (SWE) Basin-wide Percent of 1981-2010 Median**



\* Data unavailable at time of posting or measurement is not representative at this time of year

**Provisional Data  
Subject to Revision**



The snow water equivalent percent of normal represents the current snow water equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

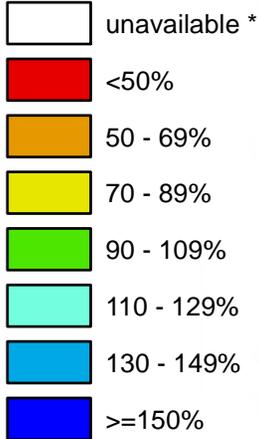
Prepared by:  
USDA/NRCS National Water and Climate Center  
Portland, Oregon  
<http://www.wcc.nrcs.usda.gov>

# Utah

## SNOTEL Water Year (Oct 1) to Date Precipitation % of Normal

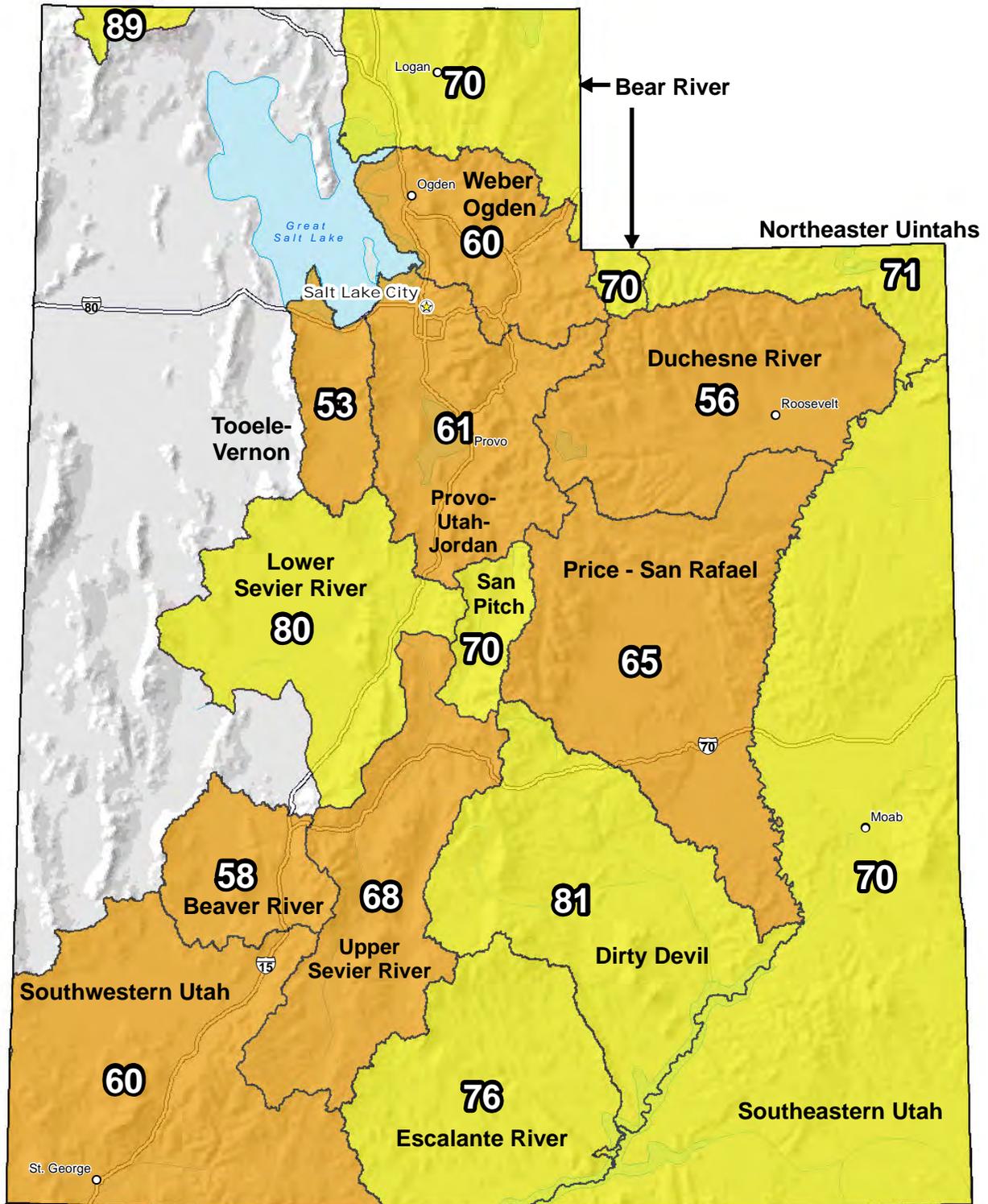
May 01, 2015

### Water Year (Oct 1) to Date Precipitation Basin-wide Percent of 1981-2010 Average



\* Data unavailable at time of posting or measurement is not representative at this time of year

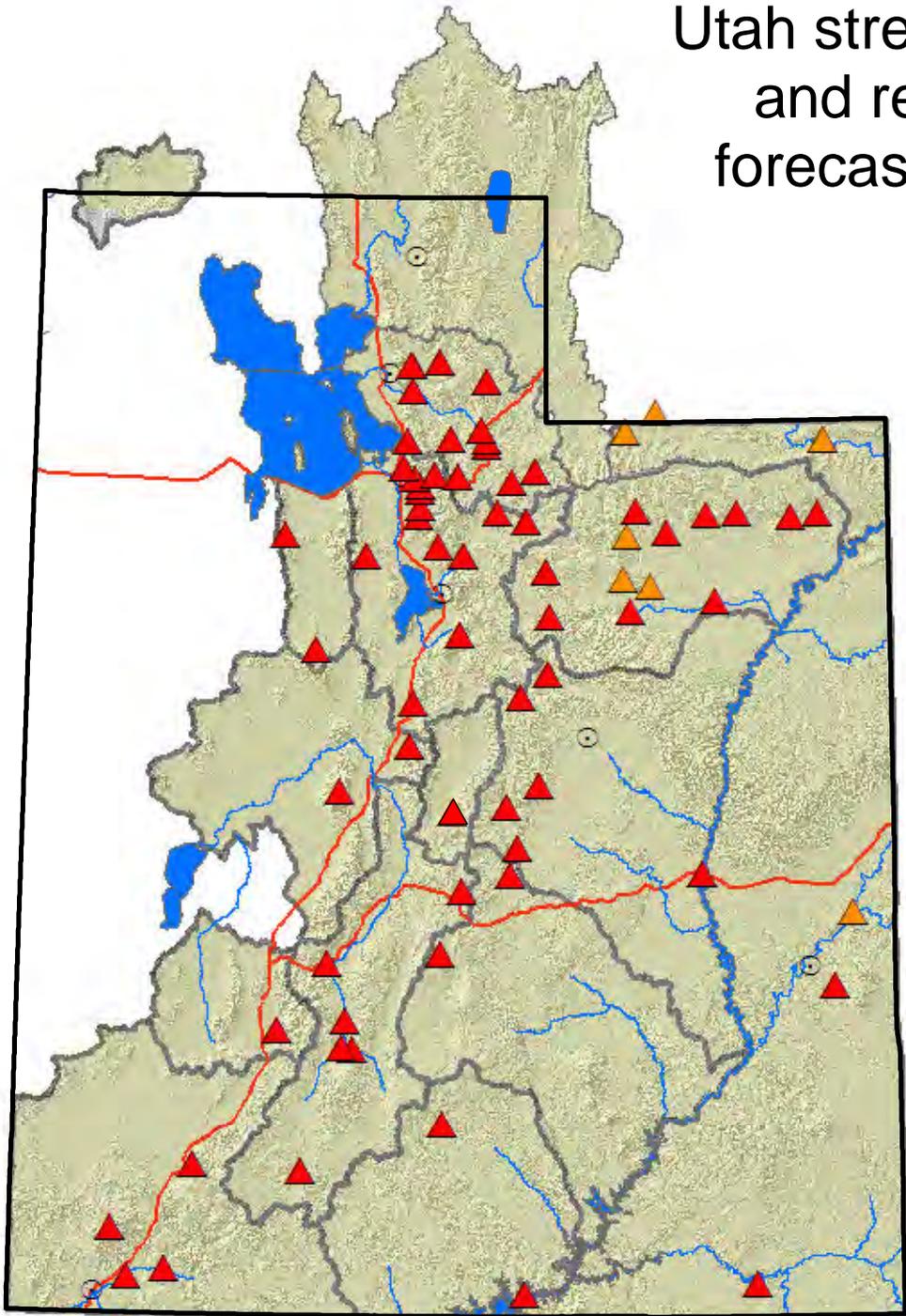
**Provisional Data  
Subject to Revision**



The water year to date precipitation percent of normal represents the accumulated precipitation found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

Prepared by:  
USDA/NRCS National Water and Climate Center  
Portland, Oregon  
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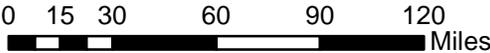
# Utah streamflow and reservoir forecast points



## Percent normal

- ▲ < 50%
- ▲ 50 - 69%
- ▲ 70 - 89%
- ▲ 90 - 109%
- ▲ 110 - 129%
- ▲ 130 - 149%
- ▲ > 150%
- △ no % avail.
- △ Forecast points
- Cities
- Rivers
- Highways


  
 United States Department of Agriculture  
 Natural Resources Conservation Service

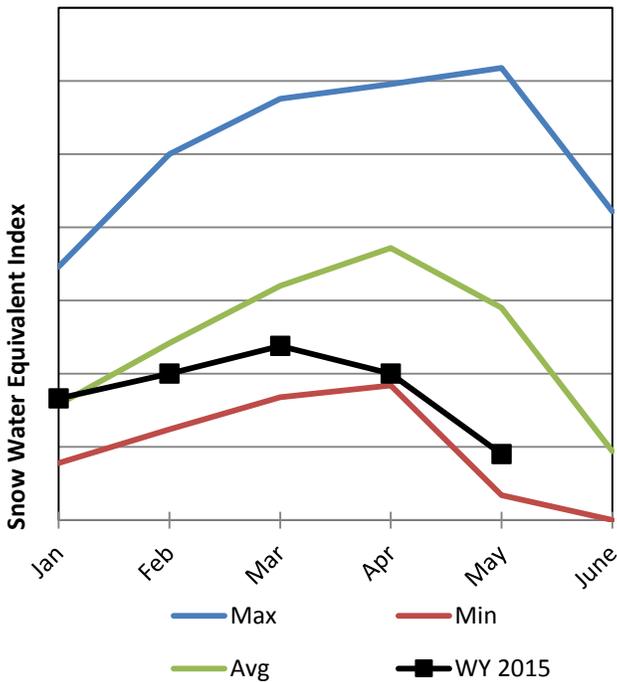


# Bear River Basin

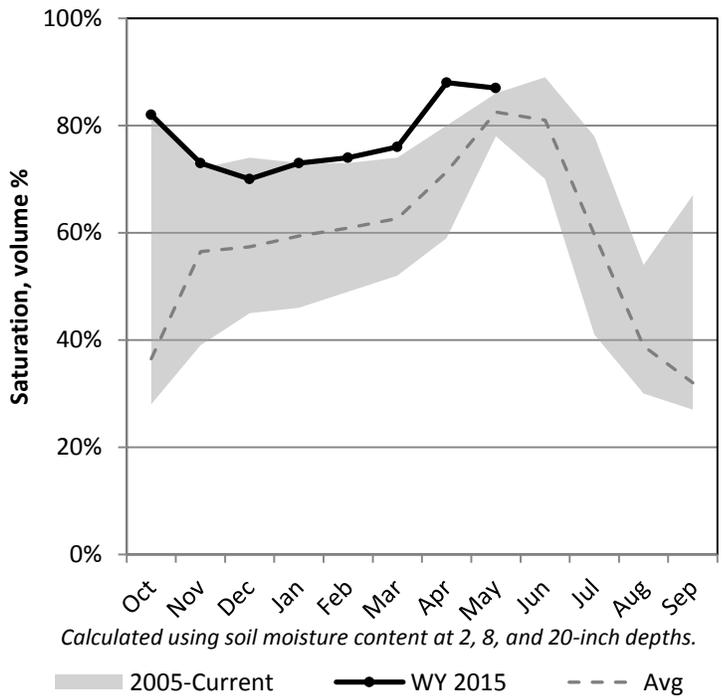
5/1/2015

Snowpack in the Bear River Basin is much below normal at 33% of normal, compared to 119% last year. Precipitation in April was much below average at 66%, which brings the seasonal accumulation (Oct-Apr) to 70% of average. Soil moisture is at 87% compared to 84% last year. Reservoir storage is at 49% of capacity, compared to 49% last year. Forecast streamflow volumes range from 11% to 65% of average. The surface water supply index is 42% for the Bear River, 6% for the Woodruff Narrows, 4% for the Little Bear.

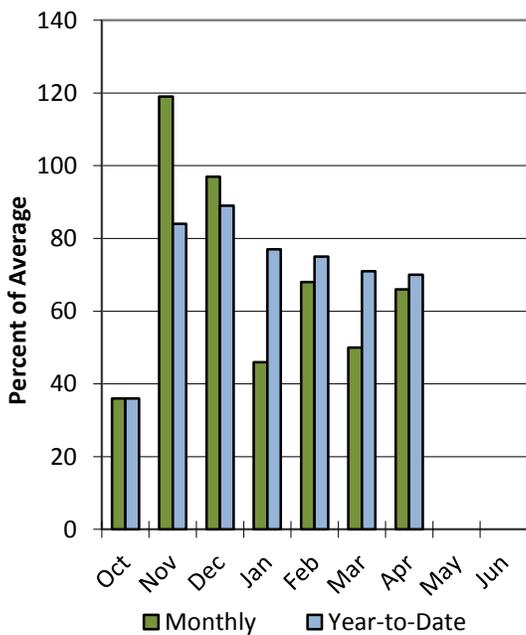
## Snowpack



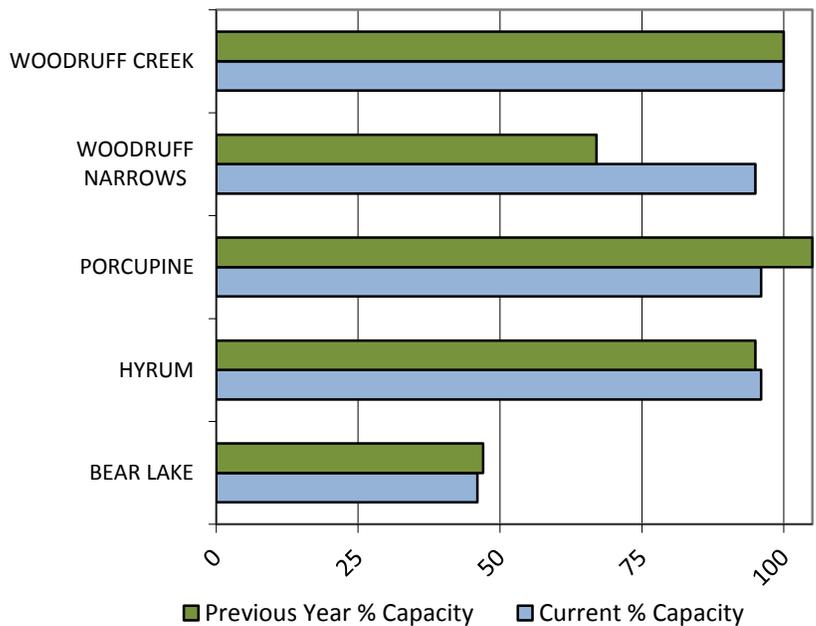
## Soil Moisture



## Precipitation



## Reservoir Storage



### Bear River Streamflow Forecasts - May 1, 2015

Forecast Exceedance Probabilities for Risk Assessment  
Chance that actual volume will exceed forecast

Bear River	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Bear R nr UT-WY State Line								
	APR-JUL	15	29	38	34%	47	61	112
	APR-SEP	8.9	24	36	29%	44	59	123
	MAY-JUL	7.5	19.7	28	27%	36	49	104
	MAY-SEP	2.8	16.6	26	22%	35	49	116
Bear R ab Resv nr Woodruff								
	APR-JUL	1.21	11.3	24	20%	37	55	121
	APR-SEP	1.28	13.3	26	20%	39	57	128
	MAY-JUL	1.05	9.3	21	20%	33	50	105
	MAY-SEP	2.2	11.3	23	21%	35	52	111
Big Ck nr Randolph								
	APR-JUL	0.461	0.492	0.6	16%	1.18	2	3.8
	MAY-JUL	0.031	0.062	0.17	5%	0.75	1.57	3.1
Smiths Fk nr Border								
	APR-JUL	44.85	52.85	57.85	65%	63.85	71.85	89
	APR-SEP	53.85	63.85	69.85	67%	76.85	85.85	104
	MAY-JUL	32	40	45	56%	51	59	80
	MAY-SEP	41	51	57	60%	64	73	95
Bear R bl Stewart Dam								
	APR-JUL	1.83	5.5	20	11%	55	107	183
	APR-SEP	2	6.2	26	13%	63	118	205
	MAY-JUL	1.46	4.4	15	10%	43	84	146
	MAY-SEP	1.69	5.1	21	12%	54	103	169
Little Bear at Paradise								
	APR-JUL	0.41	1.23	6.2	15%	12.5	22	41
	MAY-JUL	0.28	0.56	2.5	9%	8.4	17.1	28
Logan R nr Logan								
	APR-JUL	17.5	31	40	36%	49	63	111
	MAY-JUL	2.3	15.8	25	26%	34	48	96
Blacksmith Fk nr Hyrum								
	APR-JUL	0.43	4.9	13.6	32%	22	35	43
	MAY-JUL	0.31	1.38	9.3	30%	17.2	29	31

- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

Reservoir Storage End of April, 2015	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Bear Lake	596.7	613.6	651.7	1302.0
Hyrum Reservoir	14.8	14.6	14.1	15.3
Porcupine Reservoir	10.8	11.9	10.1	11.3
Woodruff Creek	4.0	4.0	3.8	4.0
Woodruff Narrows Reservoir	54.5	38.1	45.5	57.3
Basin-wide Total	680.8	682.1	725.2	1389.9
# of reservoirs	5	5	5	5

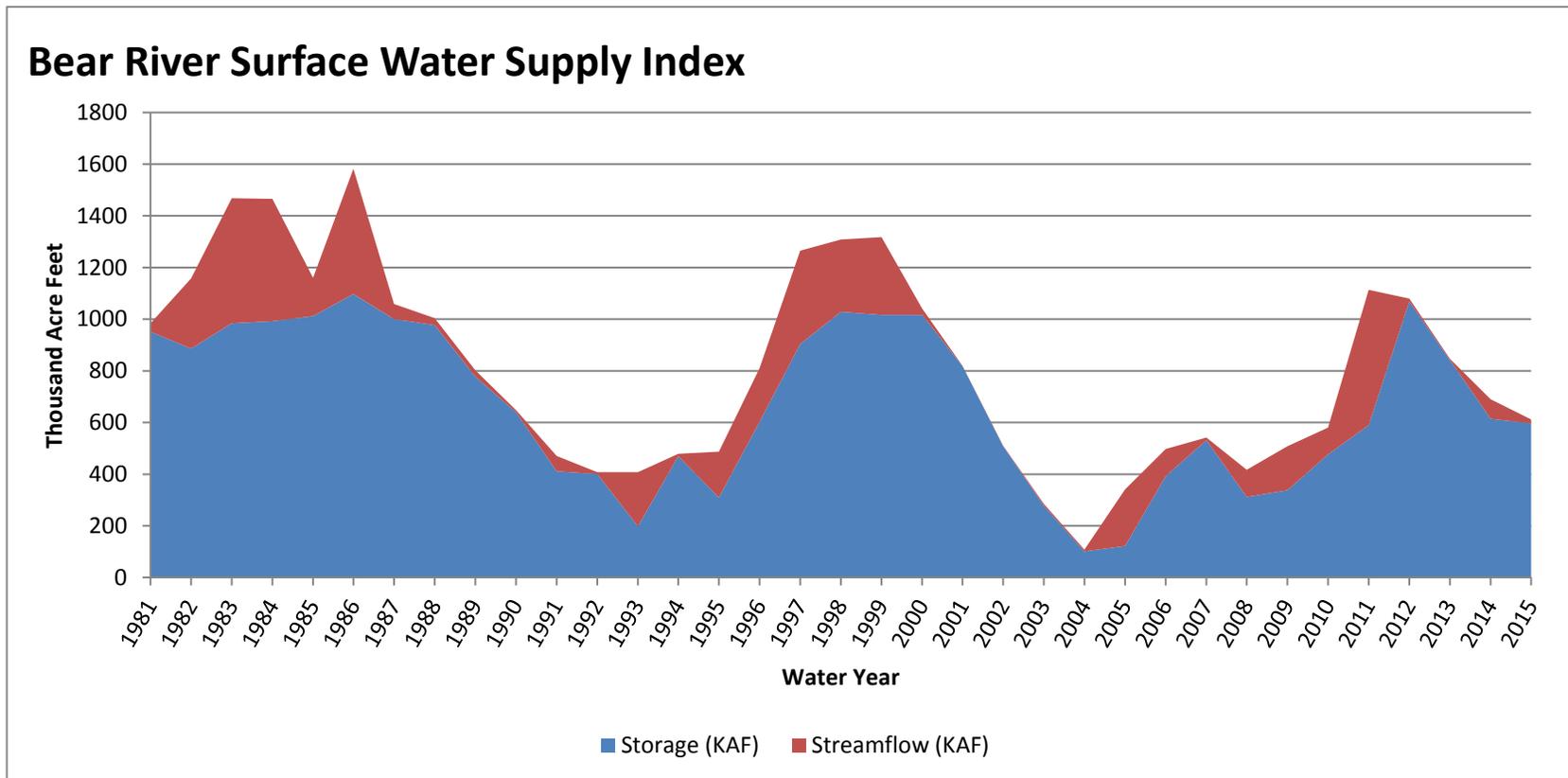
Watershed Snowpack Analysis May 1, 2015	# of Sites	% Median	Last Year % Median
Upper Bear	5	25%	102%
Middle Bear	7	45%	143%
Lower Bear	3	16%	99%
Logan	9	30%	109%

May 1, 2015

## Surface Water Supply Index

Basin or Region	Apr EOM <sup>*</sup> Storage	MAY-JUL Forecast	Storage + Forecast	Percentile	SWSI <sup>#</sup>	Years with similiar SWSI
	KAF <sup>^</sup>	KAF <sup>^</sup>	KAF <sup>^</sup>	%		
<b>Bear River</b>	<b>596.70</b>	<b>15.00</b>	<b>611.70</b>	<b>42</b>	<b>-0.69</b>	<b>07, 10, 90, 14</b>

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

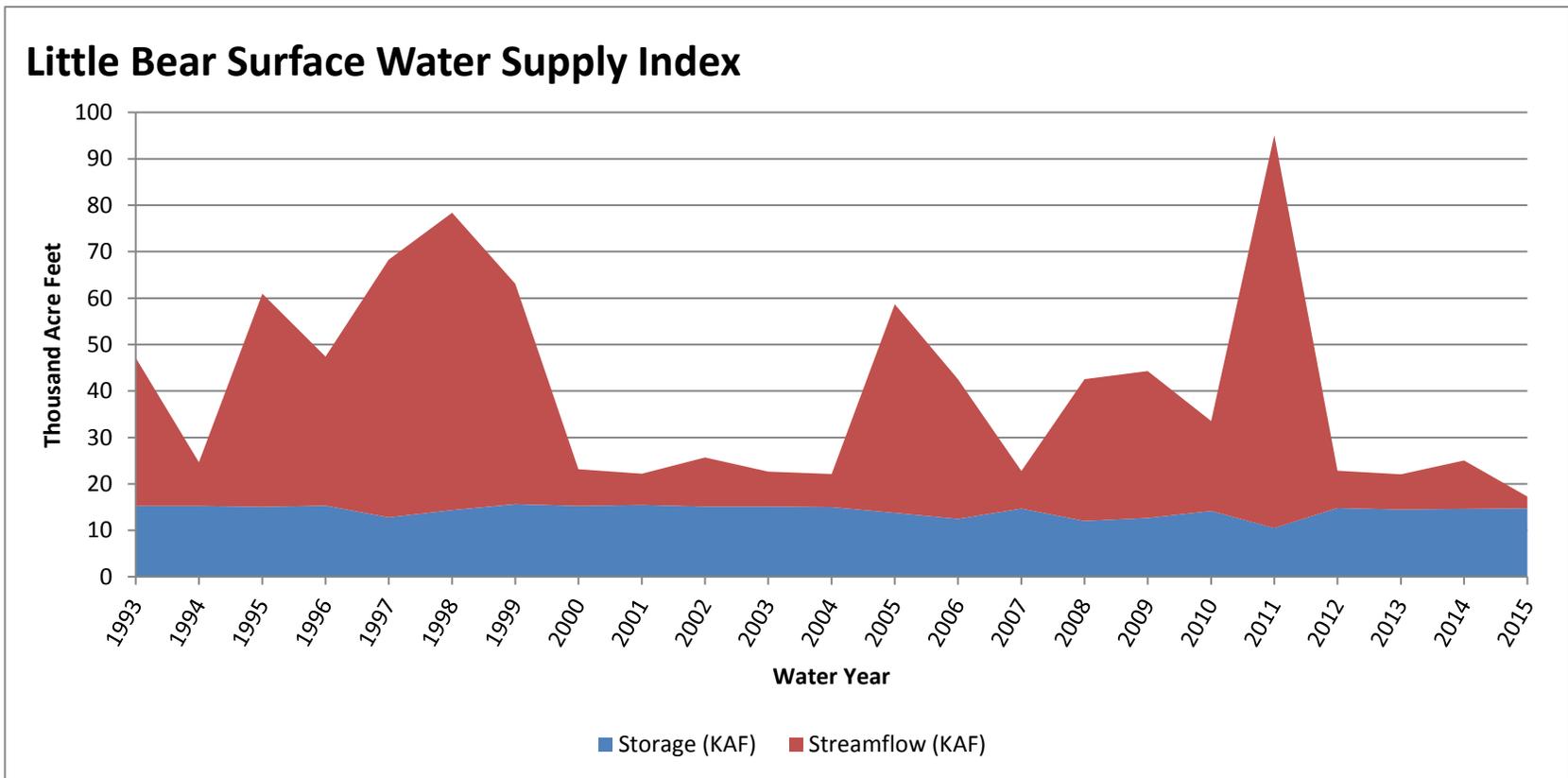


May 1, 2015

## Surface Water Supply Index

Basin or Region	Apr EOM <sup>*</sup> Storage	MAY-JUL Forecast	Storage + Forecast	Percentile	SWSI <sup>#</sup>	Years with similiar SWSI
	KAF <sup>^</sup>	KAF <sup>^</sup>	KAF <sup>^</sup>	%		
<b>Little Bear</b>	<b>14.76</b>	<b>2.50</b>	<b>17.26</b>	<b>4</b>	<b>-3.82</b>	<b>13, 04, 01, 03</b>

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

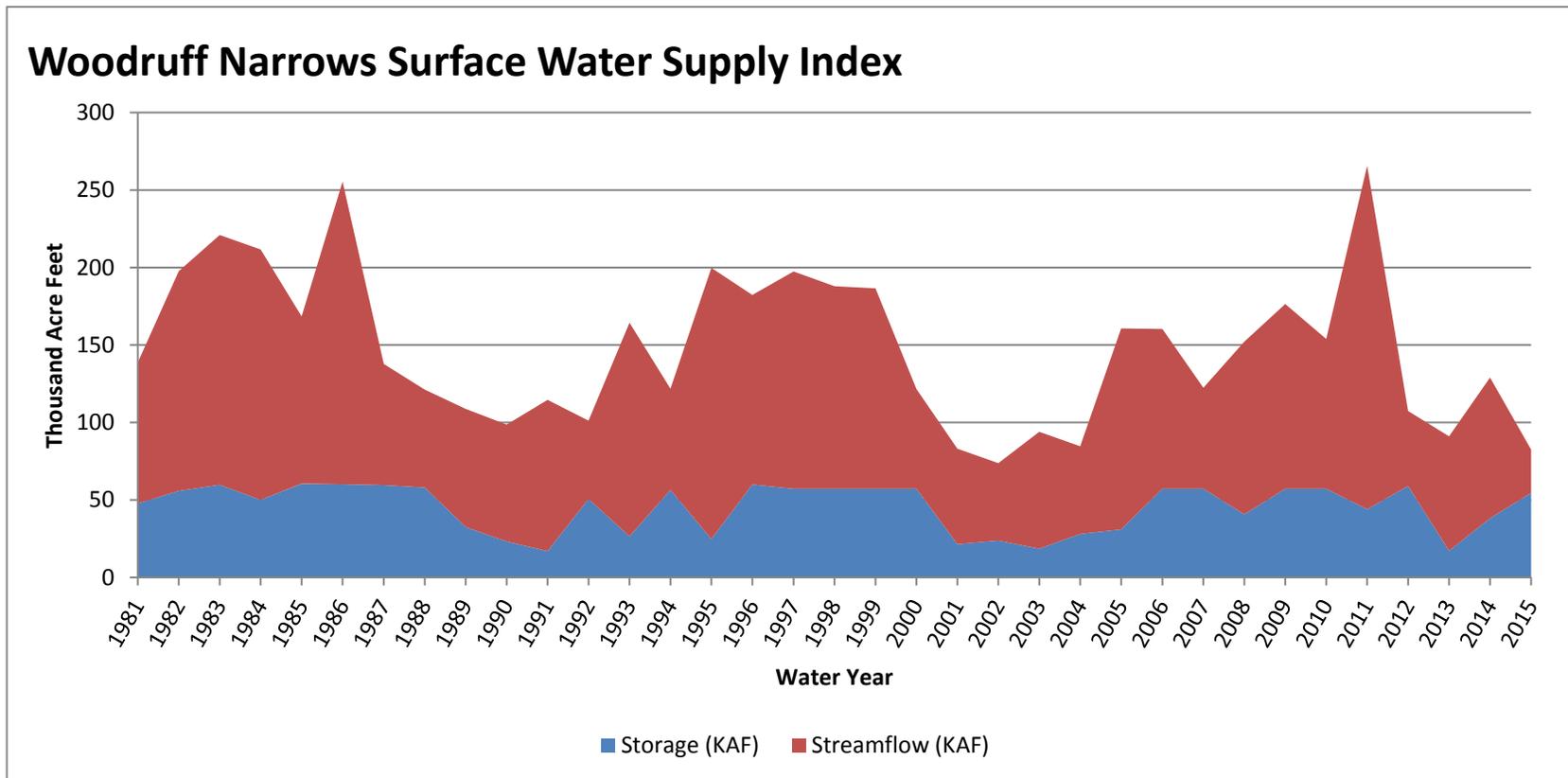


May 1, 2015

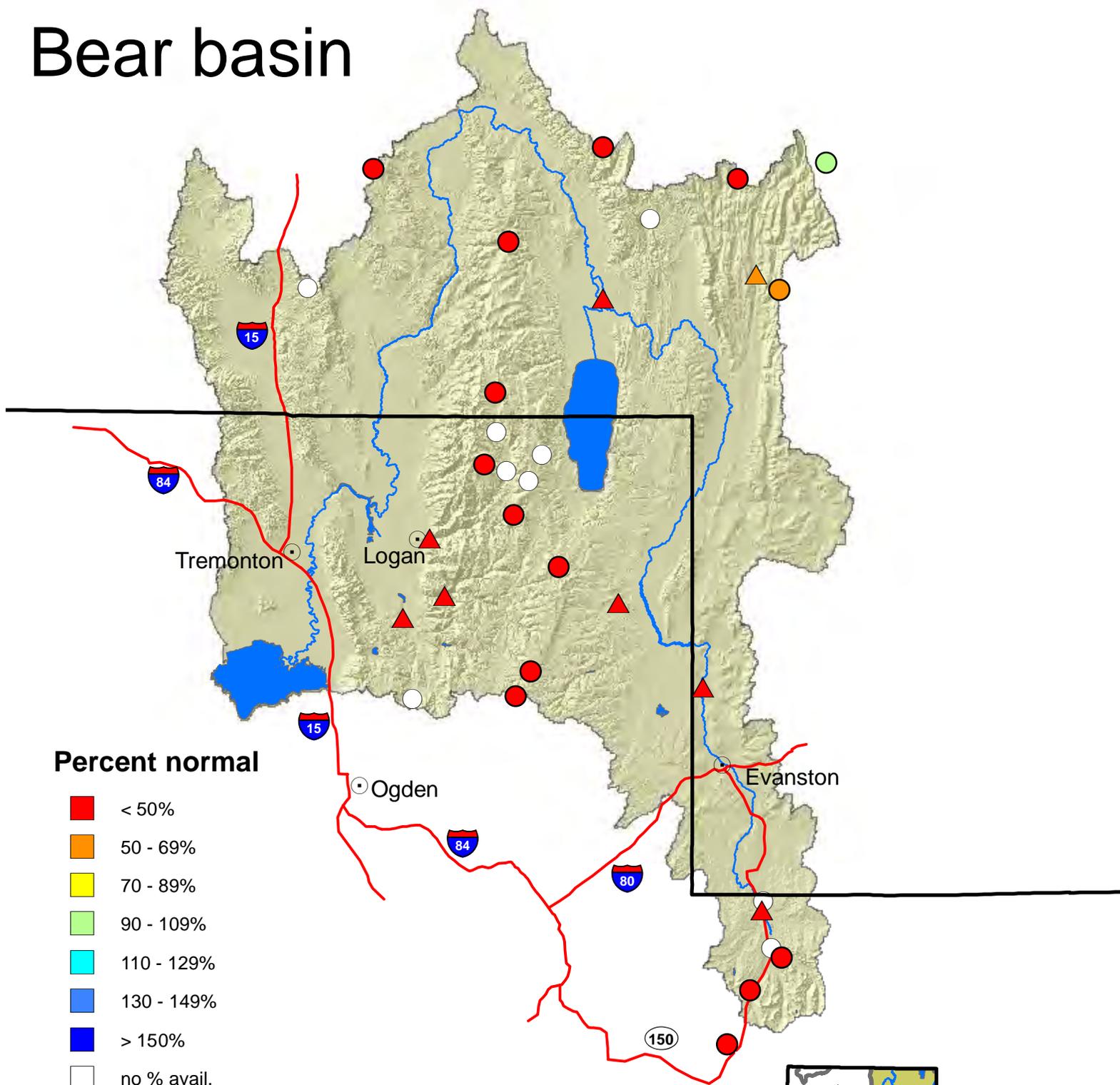
## Surface Water Supply Index

Basin or Region	Apr EOM <sup>*</sup> Storage	MAY-JUL Forecast	Storage + Forecast	Percentile	SWSI <sup>#</sup>	Years with similar SWSI
	KAF <sup>^</sup>	KAF <sup>^</sup>	KAF <sup>^</sup>	%		
<b>Woodruff Narrows</b>	<b>54.54</b>	<b>28.00</b>	<b>82.54</b>	<b>6</b>	<b>-3.7</b>	<b>02, 01, 04, 13</b>

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



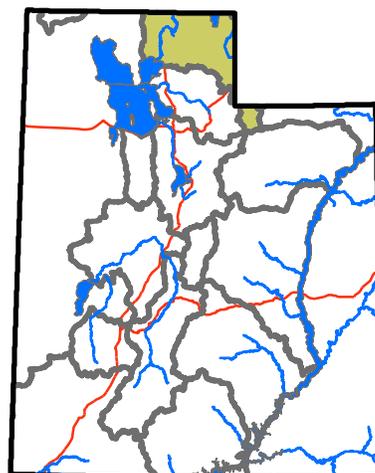
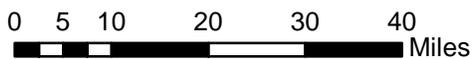
# Bear basin



## Percent normal

- < 50%
- 50 - 69%
- 70 - 89%
- 90 - 109%
- 110 - 129%
- 130 - 149%
- > 150%
- no % avail.

- SNOTEL sites
- Forecast points
- Rivers
- Highways
- Cities

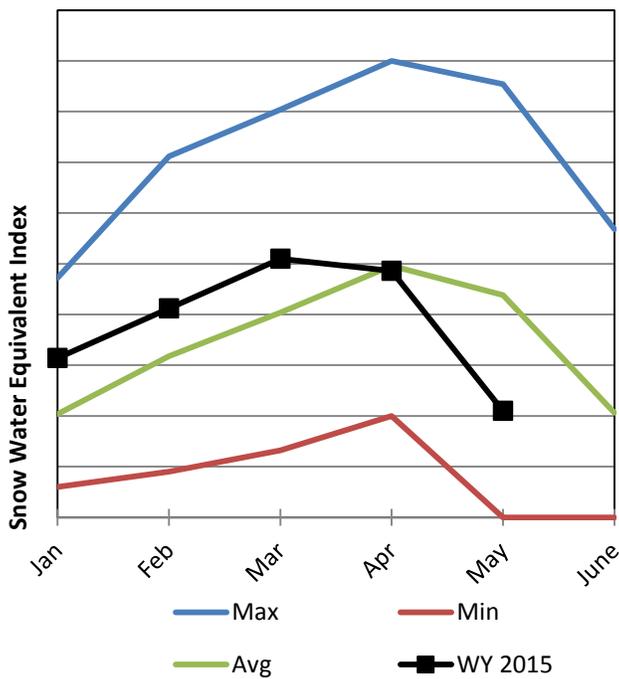


# Raft River Basin

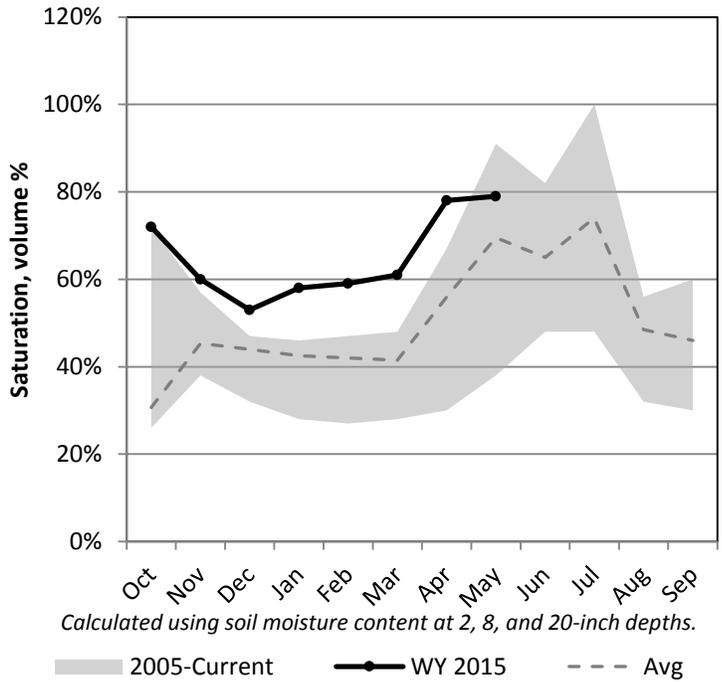
5/1/2015

Snowpack in the Raft River Basin is much below normal at 52% of normal, compared to 132% last year. Precipitation in April was much below average at 38%, which brings the seasonal accumulation (Oct-Apr) to 89% of average. Soil moisture is at 79% compared to 38% last year. The forecast streamflow volume for Dunn Creek is 21% of average.

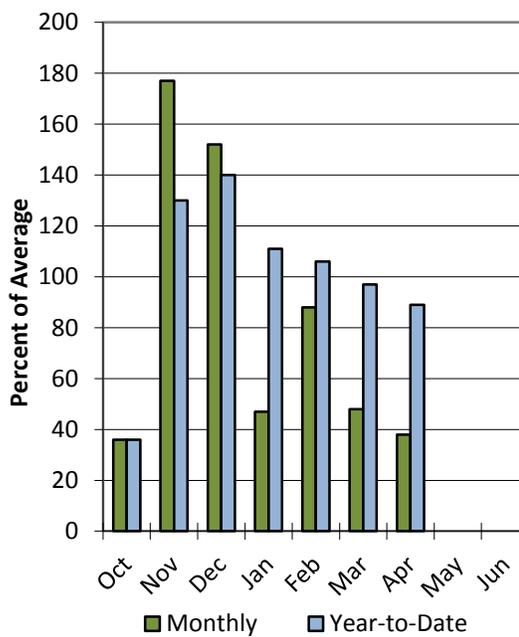
## Snowpack



## Soil Moisture



## Precipitation



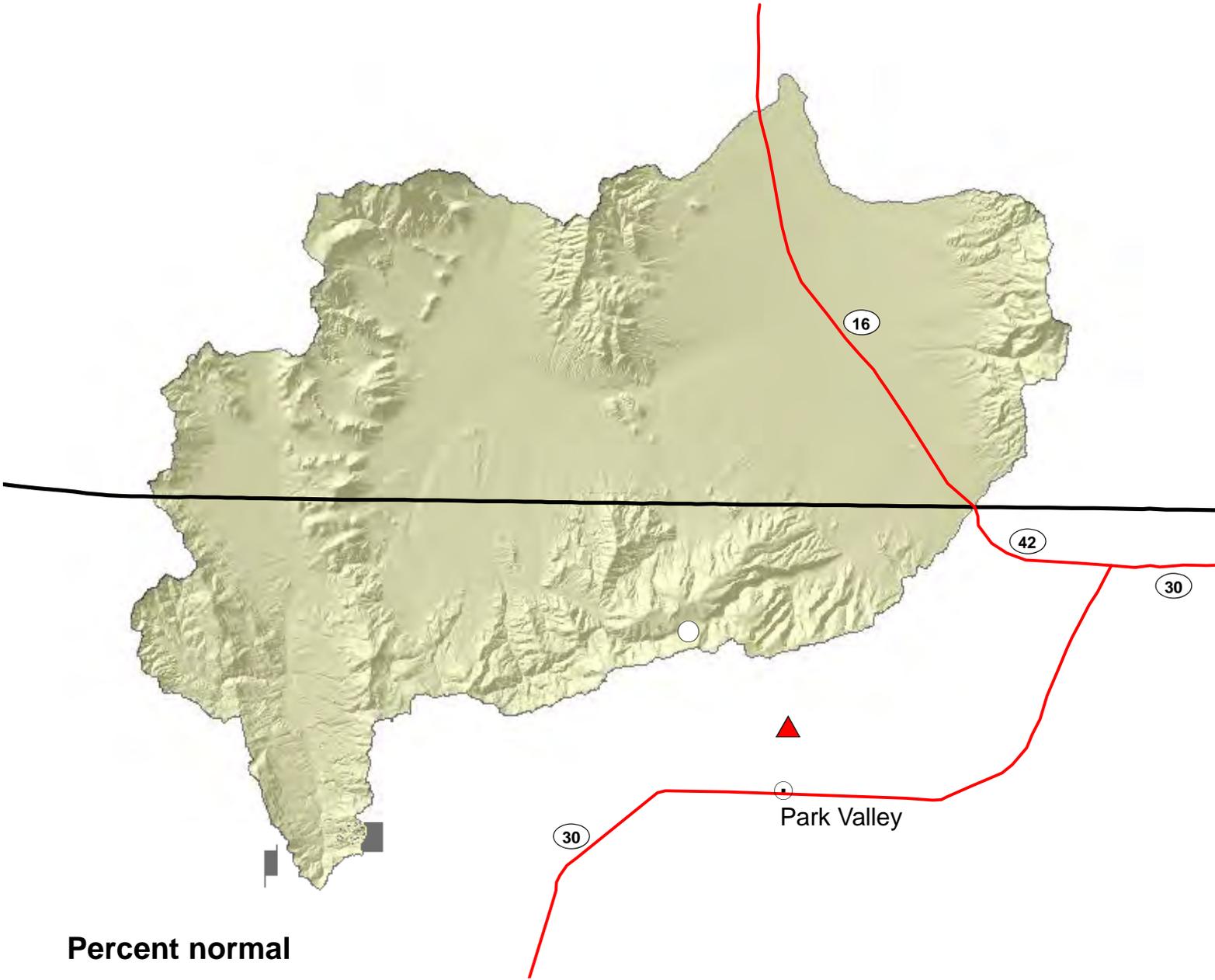
**Raft River  
Streamflow Forecasts - May 1, 2015**

<b>Raft River</b>	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						30yr Avg (KAF)
		90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	
Dunn Ck nr Park Valley								
	APR-JUL	0.029	0.32	0.6	21%	0.9	1.7	2.9
	MAY-JUL	0.026	0.052	0.4	15%	0.95	1.8	2.6

- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

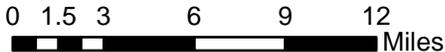
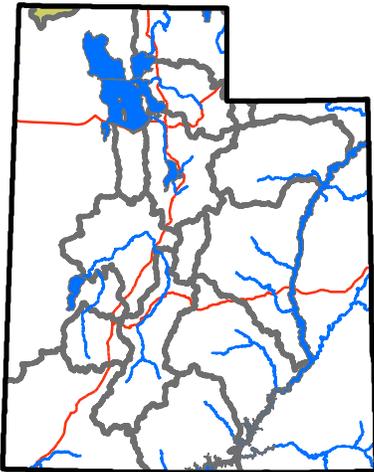
<b>Watershed Snowpack Analysis May 1, 2015</b>	# of Sites	% Median	Last Year % Median
Raft	1	52%	132%

# Raft basin



## Percent normal

- < 50%
  - 50 - 69%
  - 70 - 89%
  - 90 - 109%
  - 110 - 129%
  - 130 - 149%
  - > 150%
  - no % avail.
- SNOTEL sites
  - Forecast points
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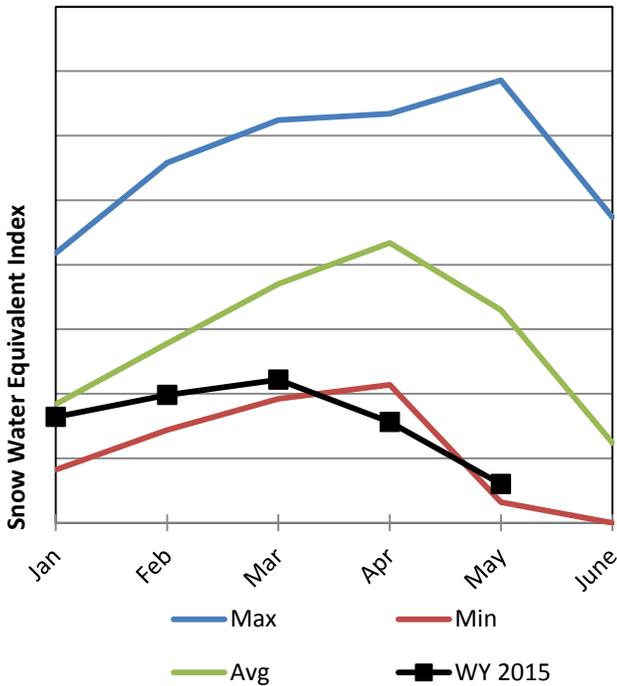


# Weber & Ogden River Basins

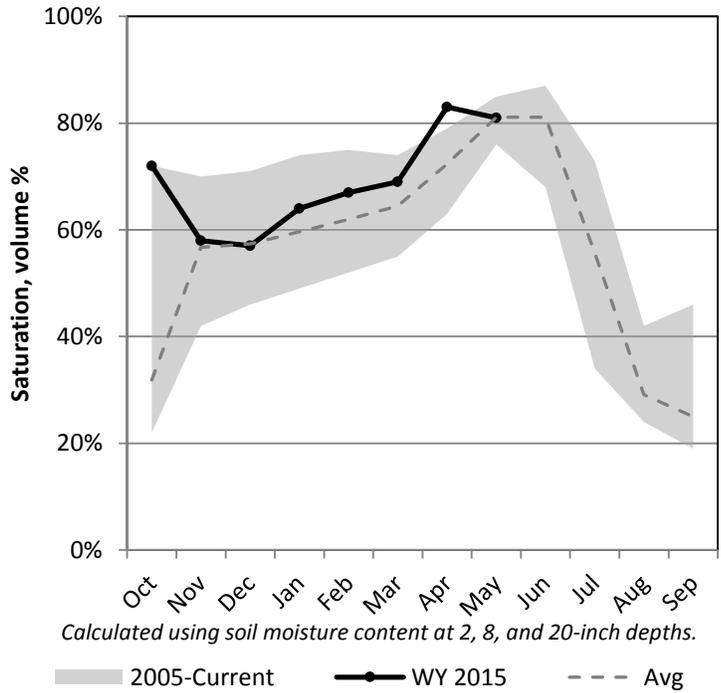
5/1/2015

Snowpack in the Weber & Ogden River Basins is much below normal at 19% of normal, compared to 88% last year. Precipitation in April was much below average at 67%, which brings the seasonal accumulation (Oct-Apr) to 60% of average. Soil moisture is at 81% compared to 81% last year. Reservoir storage is at 59% of capacity, compared to 59% last year. Forecast streamflow volumes range from 6% to 47% of average. The surface water supply index is 17% for the Ogden River, 4% for the Weber River.

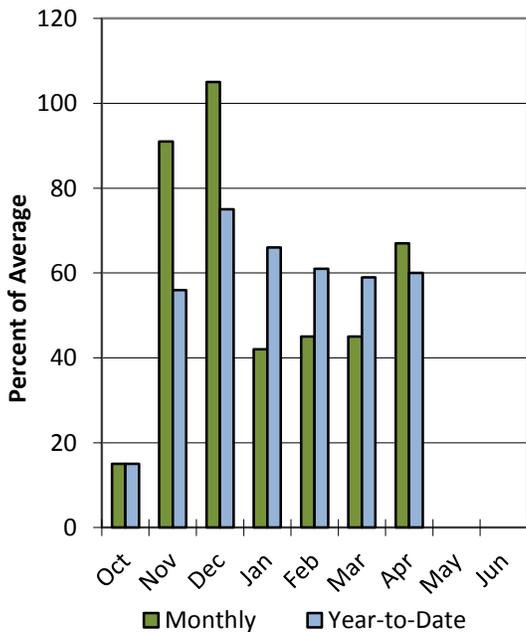
## Snowpack



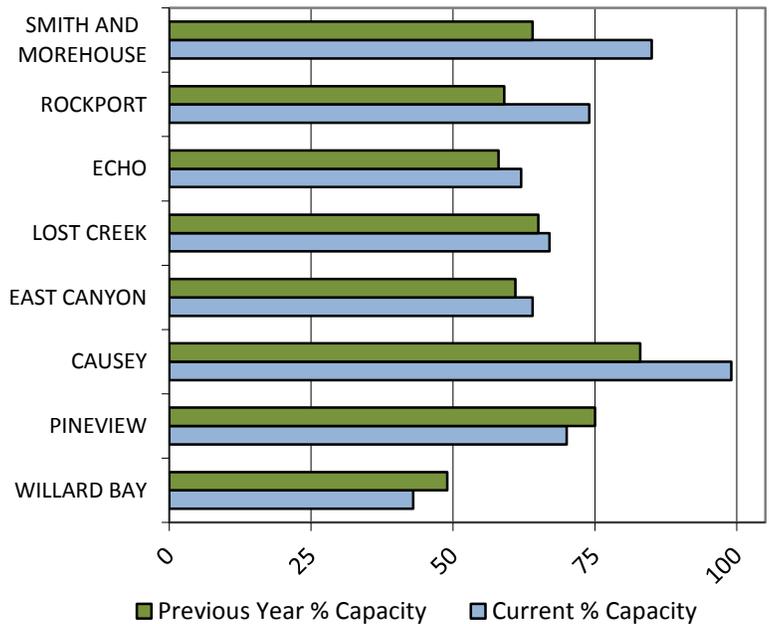
## Soil Moisture



## Precipitation



## Reservoir Storage



## Weber Ogden Rivers Streamflow Forecasts - May 1, 2015

Forecast Exceedance Probabilities for Risk Assessment  
Chance that actual volume will exceed forecast

Weber Ogden Rivers	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Smith & Morehouse Resv Inflow	APR-JUL	11.9	14.3	16	47%	17.7	20	34
	MAY-JUL	8.9	11.3	13	42%	14.7	17.1	31
Weber R at Gateway	APR-JUL	3.2	9.4	50	16%	110	199	315
	MAY-JUL	2.4	7.2	37	15%	85	156	240
Weber R nr Coalville	APR-JUL	11.9	31	44	35%	57	76	126
	MAY-JUL	7.3	24	35	33%	46	63	106
Weber R nr Oakley	APR-JUL	32	45	53	45%	61	74	117
	MAY-JUL	21	34	43	41%	52	65	106
Rockport Reservoir Inflow	APR-JUL	17.9	34	45	37%	56	72	123
	MAY-JUL	10.5	26	36	34%	46	61	106
Chalk Ck at Coalville	APR-JUL	0.41	2.3	10	24%	17.7	29	41
	MAY-JUL	0.34	0.68	3.2	9%	10.7	22	34
Echo Reservoir Inflow	APR-JUL	3.3	27	54	33%	81	121	166
	MAY-JUL	3	22	46	30%	70	105	152
Lost Ck Reservoir Inflow	APR-JUL	0.121	0.36	2.3	19%	5.3	9.7	12.1
	MAY-JUL	0.085	0.17	0.7	8%	3.3	7.2	8.5
East Canyon Ck nr Jeremy Ranch	APR-JUL	0.152	0.82	3.1	20%	5.4	8.7	15.2
	MAY-JUL	0.102	0.31	1.8	18%	5	9.6	10.2
East Canyon Ck nr Morgan	APR-JUL	0.28	0.5	4.5	16%	8.5	14.4	28
	MAY-JUL	0.194	0.58	3.2	16%	6.2	10.6	19.4
SF Ogden R nr Huntsville	APR-JUL	0.56	3.4	8.8	16%	14.2	22	56
	MAY-JUL	0.8	2.1	6.4	16%	10.7	17.1	40
Pineview Reservoir Inflow	APR-JUL	0.86	1.72	16	19%	36	67	86
	MAY-JUL	0.53	1.59	10	19%	26	49	53
Wheeler Ck nr Huntsville	APR-JUL	0.063	0.126	0.4	6%	1.89	3.9	6.3
	MAY-JUL	0.043	0.086	0.3	7%	1.23	2.6	4.3

- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

Reservoir Storage End of April, 2015	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Causey Reservoir	7.1	5.9	5.0	7.1
East Canyon Reservoir	31.5	30.4	40.4	49.5
Echo Reservoir	45.6	42.7	54.4	73.9
Lost Creek Reservoir	15.0	14.6	14.6	22.5
Pineview Reservoir	77.1	82.5	79.9	110.1
Rockport Reservoir	45.0	36.1	40.1	60.9
Willard Bay	92.4	106.2	158.7	215.0
Smith And Morehouse Reservoir	6.9	5.2	4.5	81.0
Basin-wide Total	320.5	323.6	397.6	620.0
# of reservoirs	8	8	8	8

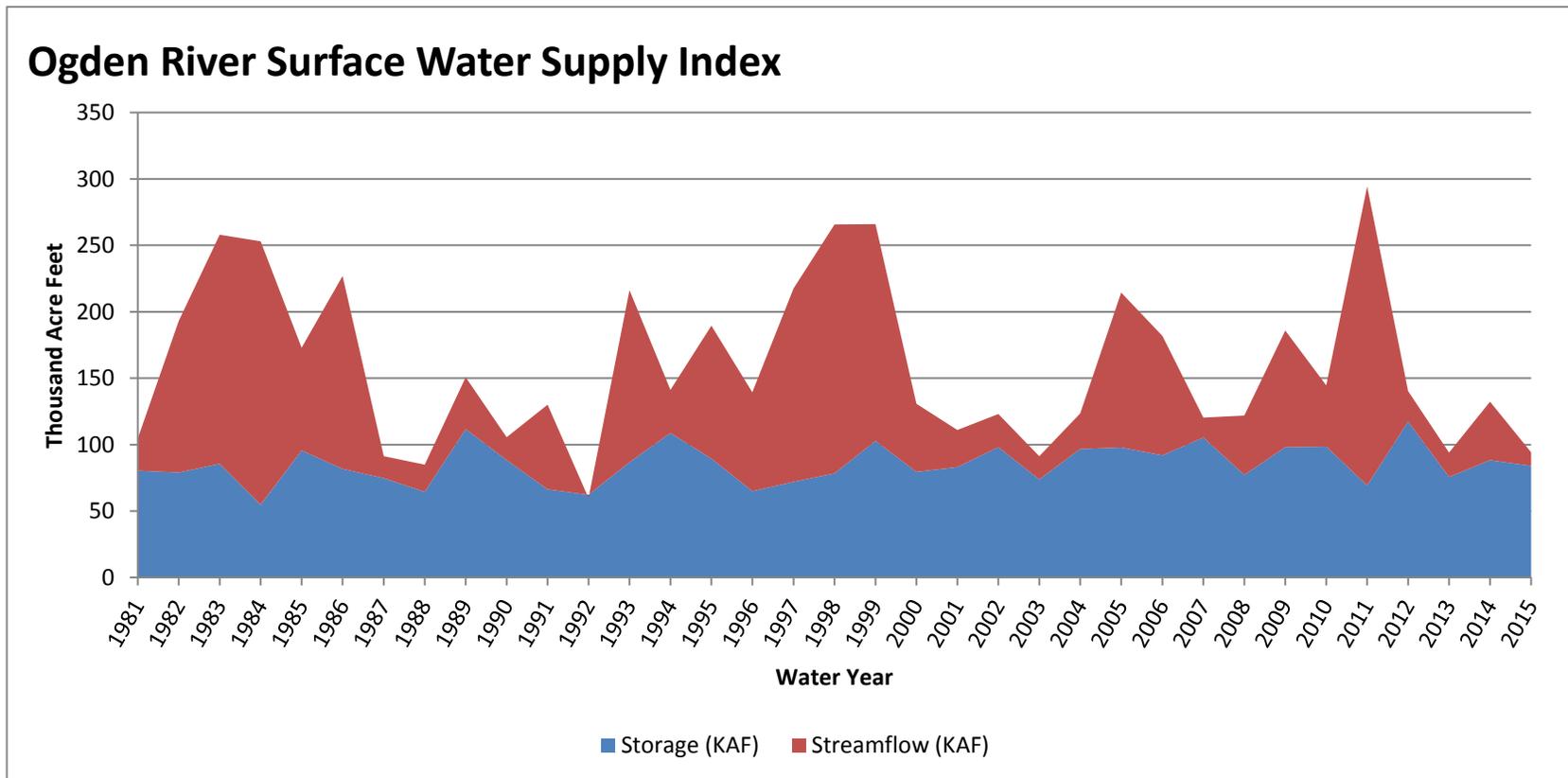
Watershed Snowpack Analysis May 1, 2015	# of Sites	% Median	Last Year % Median
Upper Weber	11	24%	99%
Lower Weber	7	24%	72%
Ogden	5	0%	102%
Lost Creek	3	21%	107%

May 1, 2015

## Surface Water Supply Index

Basin or Region	Apr EOM <sup>*</sup> Storage	MAY-JUL Forecast	Storage + Forecast	Percentile	SWSI <sup>#</sup>	Years with similiar SWSI
	KAF <sup>^</sup>	KAF <sup>^</sup>	KAF <sup>^</sup>	%		
<b>Ogden River</b>	<b>84.13</b>	<b>10.00</b>	<b>94.13</b>	<b>17</b>	<b>-2.78</b>	<b>87, 13, 81, 90</b>

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

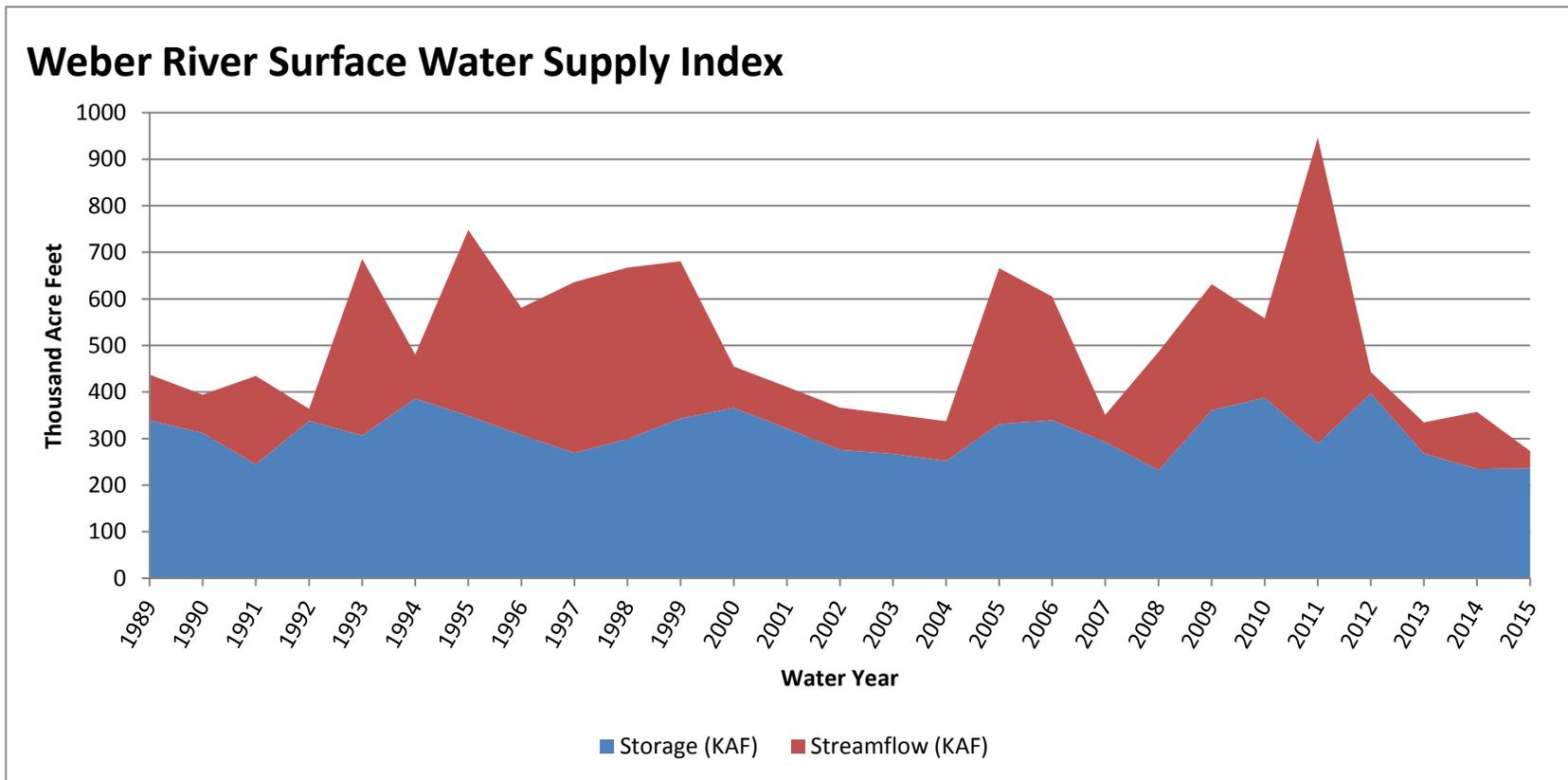


May 1, 2015

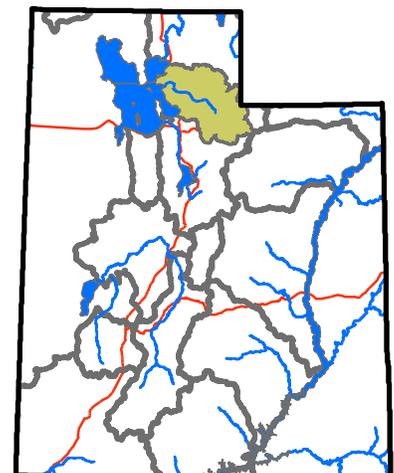
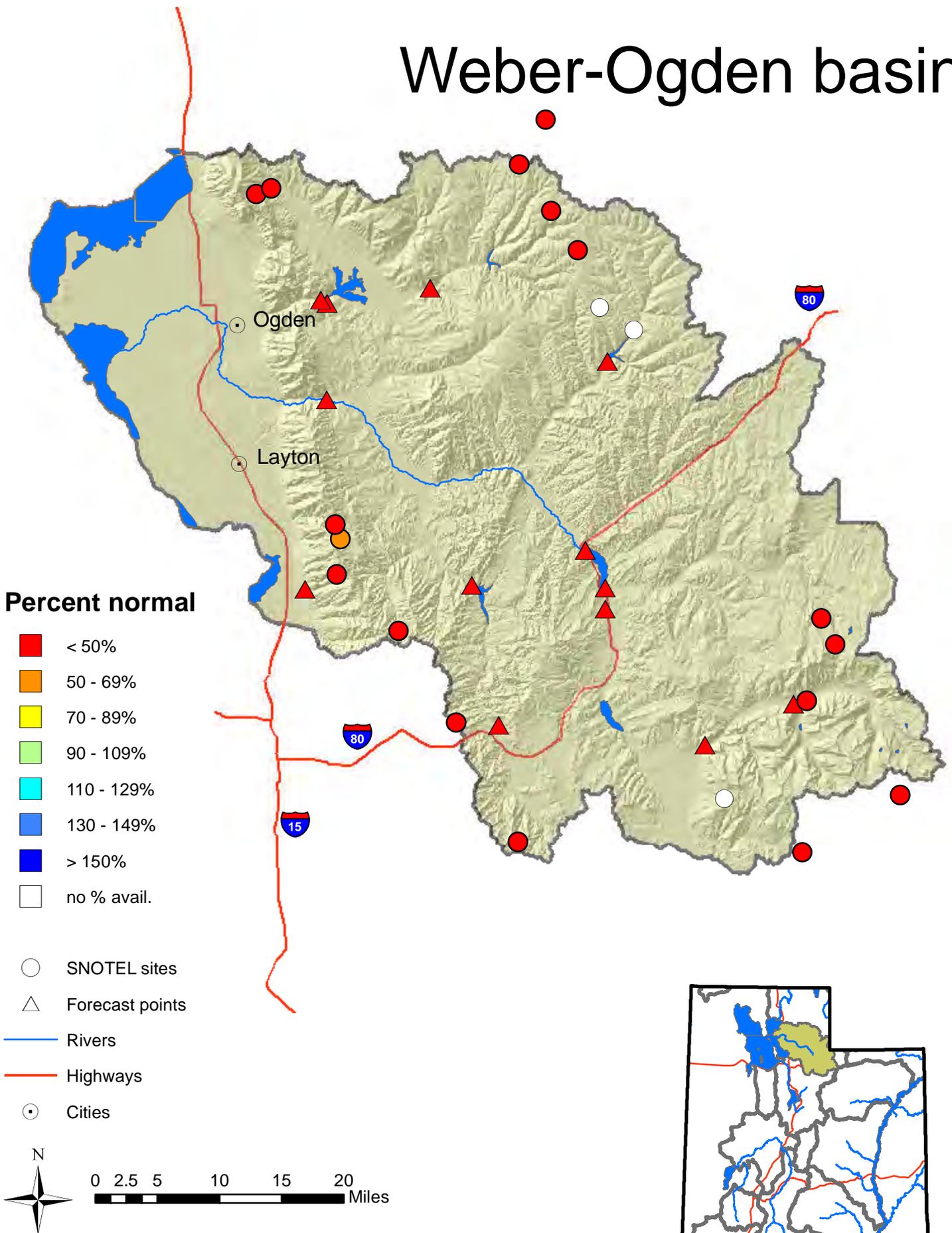
## Surface Water Supply Index

Basin or Region	Apr EOM <sup>*</sup> Storage	MAY-JUL Forecast	Storage + Forecast	Percentile	SWSI <sup>#</sup>	Years with similiar SWSI
	KAF <sup>^</sup>	KAF <sup>^</sup>	KAF <sup>^</sup>	%		
<b>Weber River</b>	<b>236.37</b>	<b>37.00</b>	<b>273.37</b>	<b>4</b>	<b>-3.87</b>	<b>13, 04, 07, 03</b>

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



# Weber-Ogden basin

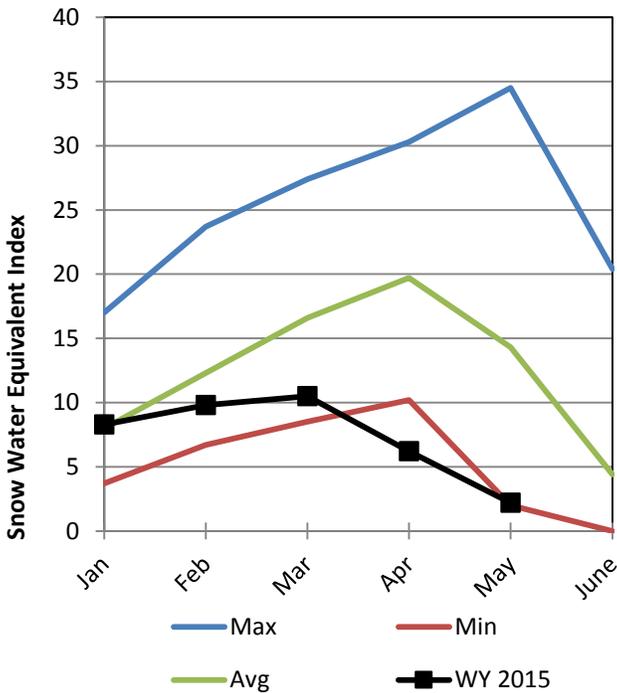


# Provo & Jordan River Basins

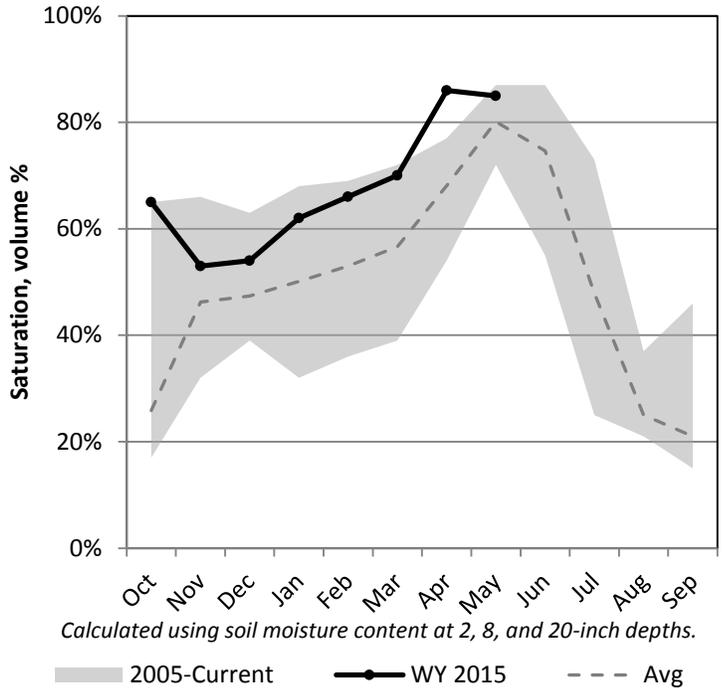
5/1/2015

Snowpack in the Provo & Jordan River Basins is much below normal at 16% of normal, compared to 72% last year. Precipitation in April was much below average at 69%, which brings the seasonal accumulation (Oct-Apr) to 60% of average. Soil moisture is at 85% compared to 80% last year. Reservoir storage is at 71% of capacity, compared to 74% last year. Forecast streamflow volumes range from 10% to 34% of average. The surface water supply index is 9% for the Provo River.

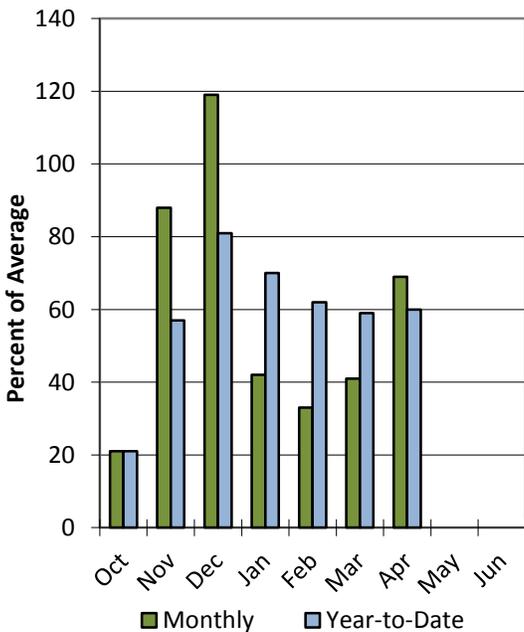
## Snowpack



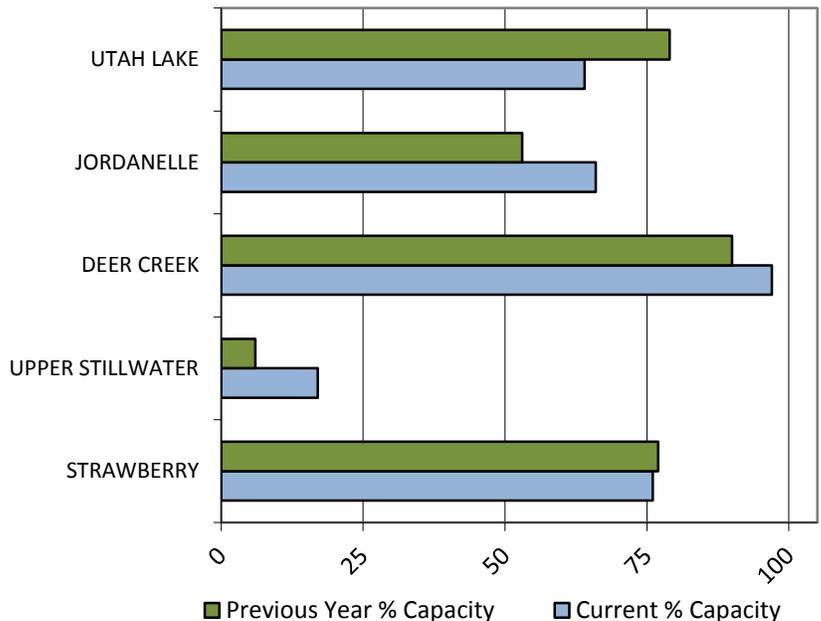
## Soil Moisture



## Precipitation



## Reservoir Storage



### Provo R Utah Lake Jordan R Streamflow Forecasts - May 1, 2015

Forecast Exceedance Probabilities for Risk Assessment  
Chance that actual volume will exceed forecast

Provo R Utah Lake Jordan R	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Salt Ck at Nephi	APR-JUL	0.095	0.19	1	11%	2.3	4.3	9.5
	MAY-JUL	0.076	0.152	0.42	6%	1.51	3.1	7.6
Spanish Fk at Castilla	APR-JUL	0.69	2.1	10	14%	39	81	69
	MAY-JUL	0.54	1.08	8	15%	34	73	54
Provo R at Woodland	APR-JUL	18.7	27	34	34%	42	54	100
	MAY-JUL	7.4	21	30	34%	39	53	89
Provo R at Hailstone	APR-JUL	19.1	29	37	34%	46	61	108
	MAY-JUL	14	21	27	29%	33	44	94
Provo R bl Deer Ck Dam	APR-JUL	3.7	22	35	30%	48	66	116
	MAY-JUL	0.94	12.8	24	26%	35	52	94
American Fk ab Upper Powerplant	APR-JUL	0.32	1.33	5.1	16%	8.9	14.4	32
	MAY-JUL	0.3	0.6	3	10%	6.5	11.7	30
Utah Lake Inflow	APR-JUL	2.6	10.6	77	29%	270	421	265
	MAY-JUL	1.92	9.6	55	29%	179	315	192
W Canyon Ck nr Cedar Fort	APR-JUL	0.018	0.035	0.3	17%	0.64	1.14	1.76
	MAY-JUL	0.015	0.046	0.26	17%	0.58	1.05	1.54
Little Cottonwood Ck nr SLC	APR-JUL	5.4	8	10	26%	12.3	16.1	38
	MAY-JUL	5.9	8	9.6	26%	11.4	14.2	37
Big Cottonwood Ck nr SLC	APR-JUL	0.72	3.9	8	22%	12.1	18	36
	MAY-JUL	0.66	3.4	6.9	21%	10.4	15.6	33
Mill Ck nr SLC	APR-JUL	0.064	0.128	1.3	20%	2.7	4.7	6.4
	MAY-JUL	0.059	0.177	1.2	20%	2.4	4.1	5.9
Parleys Ck nr SLC	APR-JUL	0.142	0.43	1.5	11%	4.1	7.9	14.2
	MAY-JUL	0.128	0.26	1	8%	3.2	6.5	12.8
Dell Fk nr SLC	APR-JUL	0.055	0.11	0.7	13%	2.3	4.8	5.5
	MAY-JUL	0.039	0.078	0.4	10%	1.89	4.1	3.9
Emigration Ck nr SLC	APR-JUL	0.04	0.08	0.4	10%	1.48	3.1	4
	MAY-JUL	0.031	0.062	0.2	6%	1.14	2.5	3.1
City Ck nr SLC	APR-JUL	-1.75	0.43	1.9	25%	3.4	5.5	7.7
	MAY-JUL	0.073	0.16	1.5	21%	2.8	4.8	7.3

- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

Reservoir Storage End of April, 2015	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Deer Creek Reservoir	145.8	134.6	122.0	149.7
Strawberry Reservoir	845.9	850.8	678.4	1105.9
Utah Lake	555.1	687.4	830.9	870.9
Jordanelle Reservoir	211.7	170.0	247.1	320.0
Basin-wide Total	1758.5	1842.7	1878.4	2446.5
# of reservoirs	4	4	4	4

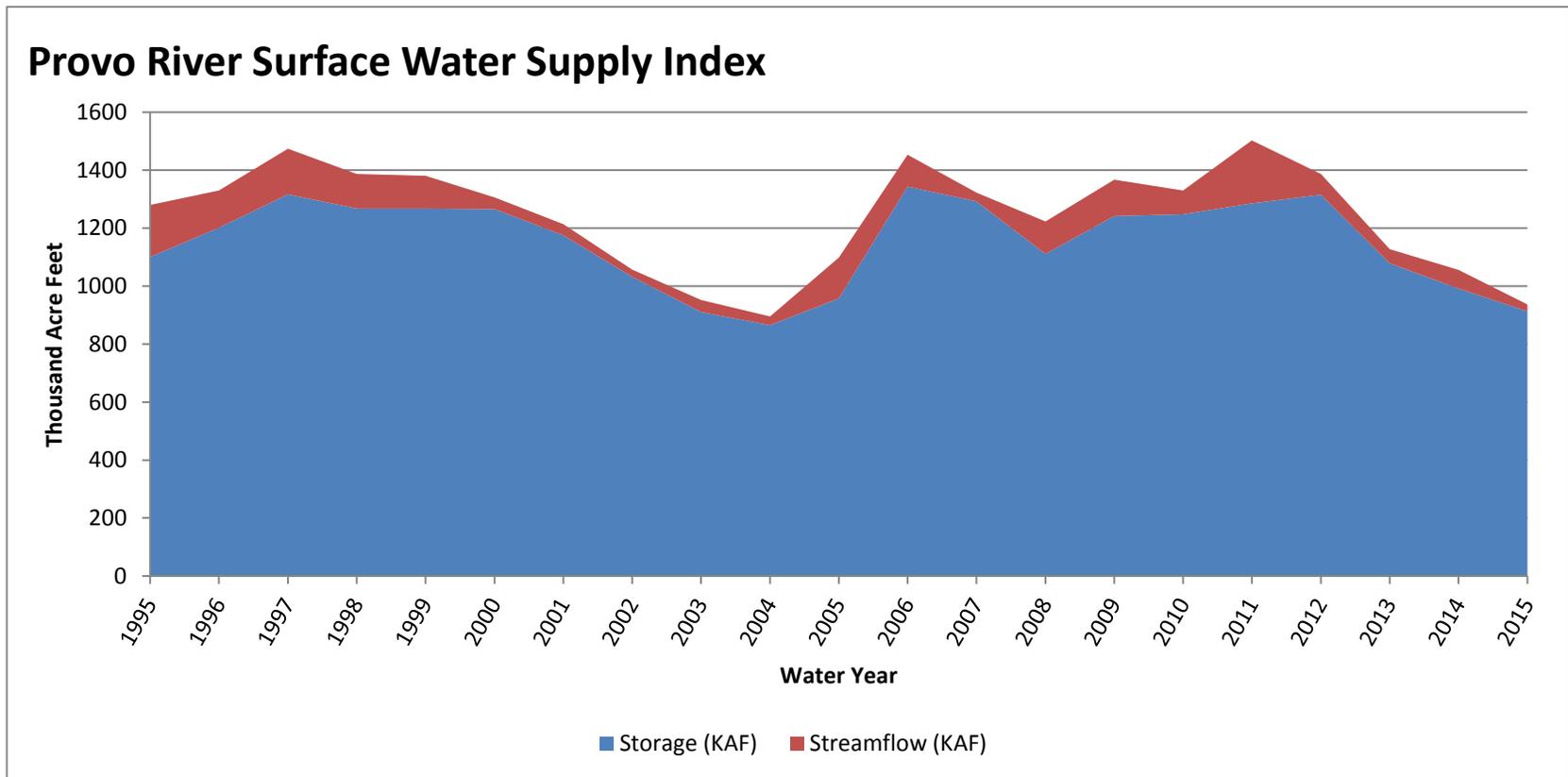
Watershed Snowpack Analysis May 1, 2015	# of Sites	% Median	Last Year % Median
Upper Provo	7	25%	82%
Jordan	16	23%	71%
Utah Lake	13	25%	74%
Spanish Fork	7	0%	53%
Six Creeks	15	24%	72%
Cottonwoods	7	26%	76%

May 1, 2015

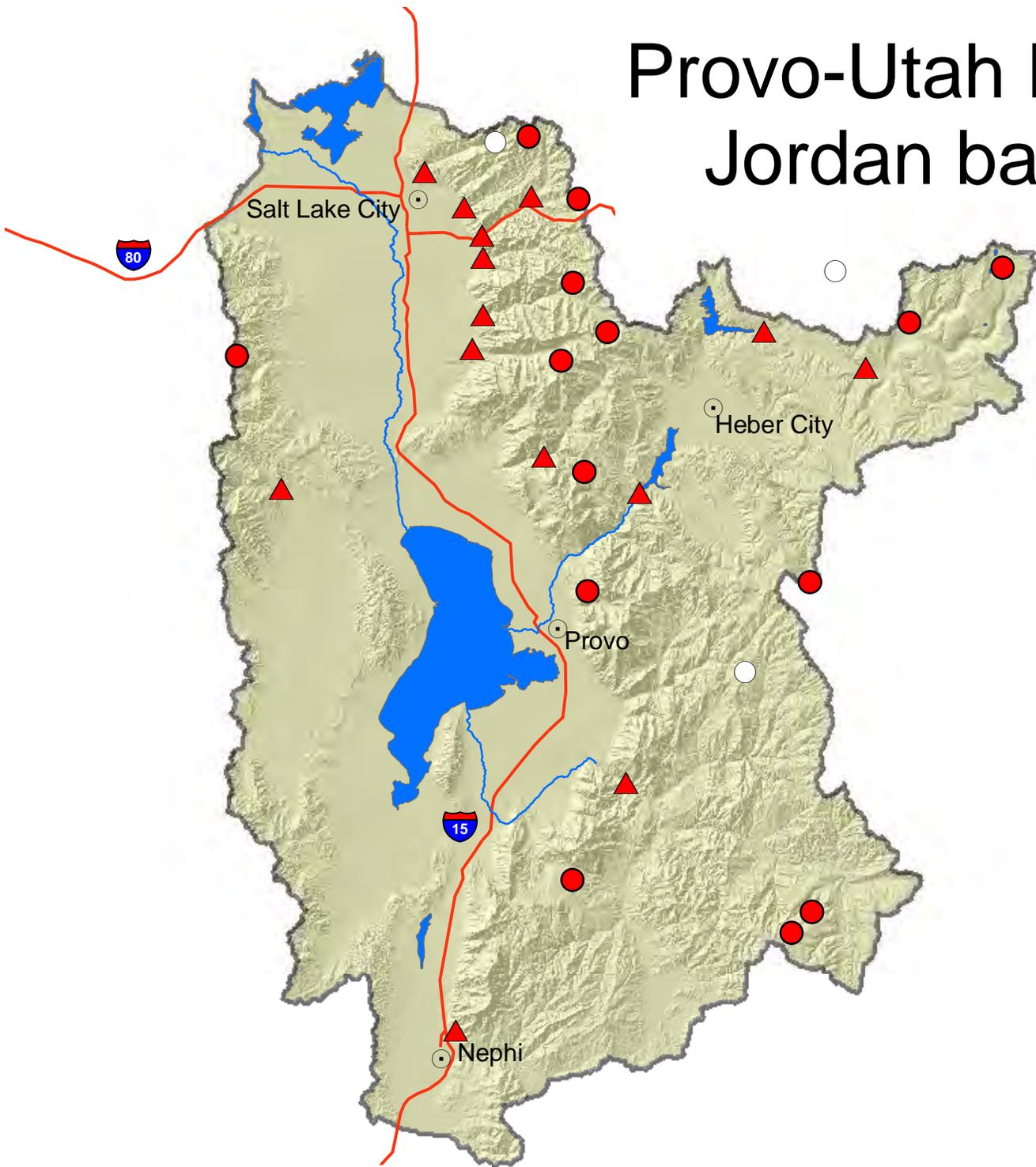
## Surface Water Supply Index

Basin or Region	Apr EOM <sup>*</sup> Storage	MAY-JUL Forecast	Storage + Forecast	Percentile	SWSI <sup>#</sup>	Years with similiar SWSI
	KAF <sup>^</sup>	KAF <sup>^</sup>	KAF <sup>^</sup>	%		
<b>Provo River</b>	<b>912.55</b>	<b>24.00</b>	<b>936.55</b>	<b>9</b>	<b>-3.41</b>	<b>04, 03, 14, 02</b>

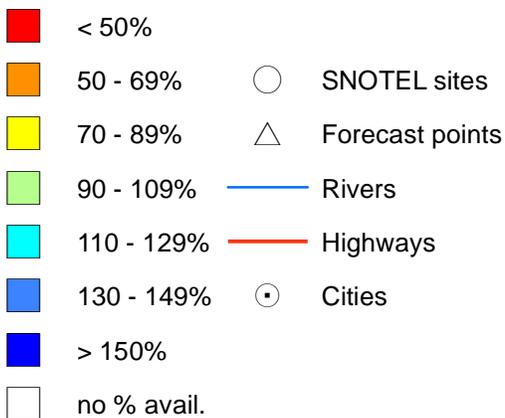
<sup>\*</sup>EOM, end of month; <sup>#</sup>SWSI, Surface Water Supply Index; <sup>^</sup>KAF, thousand acre-feet.



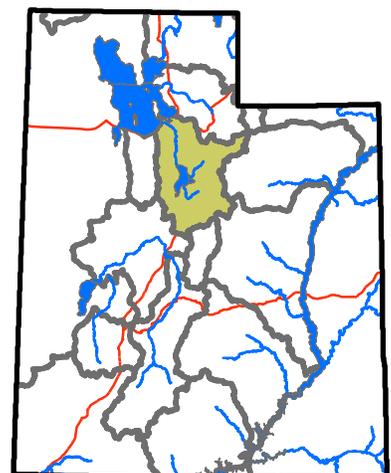
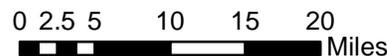
# Provo-Utah Lake-Jordan basin



## Percent normal



United States Department of Agriculture  
 Natural Resources Conservation Service

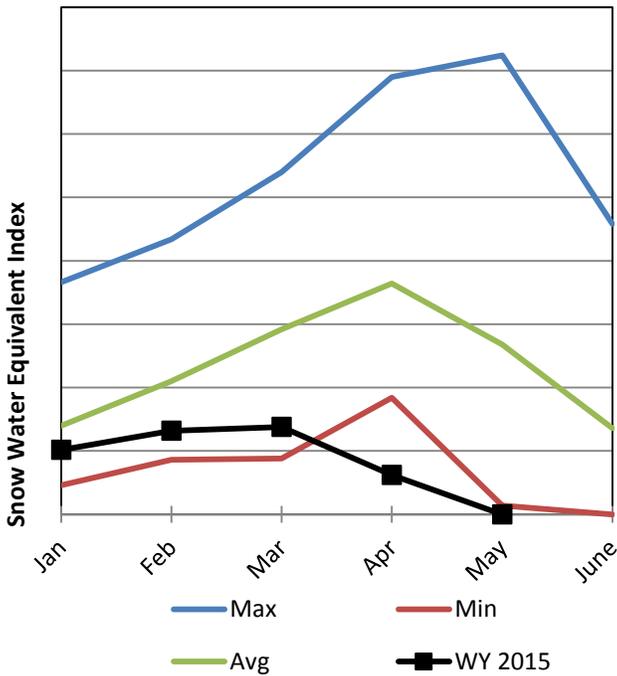


# Tooele & Vernon Creek Basins

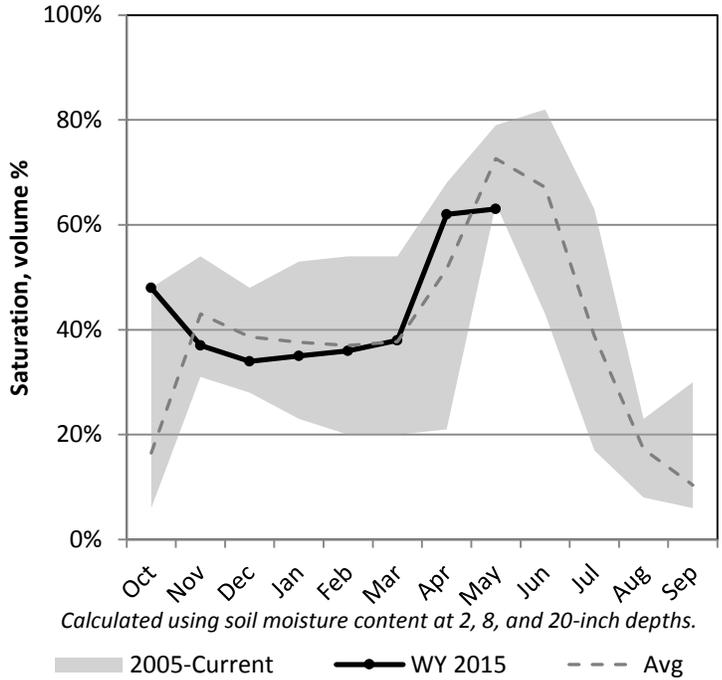
5/1/2015

Snowpack in the Tooele & Vernon Creek Basins is much below normal at 0% of normal, compared to 75% last year. Precipitation in April was near average at 91%, which brings the seasonal accumulation (Oct-Apr) to 54% of average. Soil moisture is at 63% compared to 64% last year. Reservoir storage is at 51% of capacity, compared to 67% last year. Forecast streamflow volumes range from 16% to 18% of average.

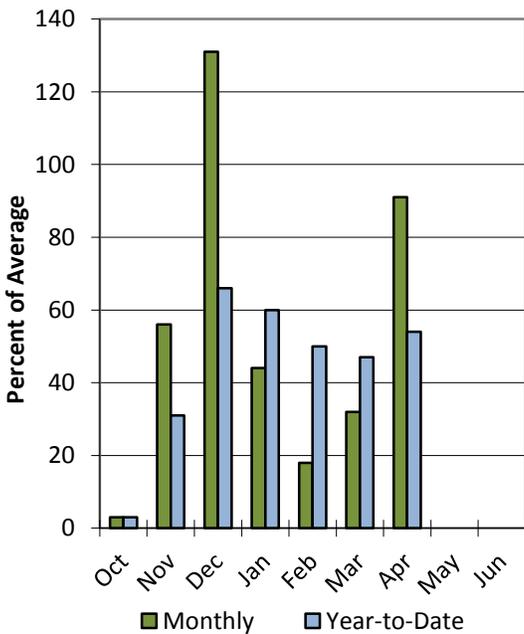
## Snowpack



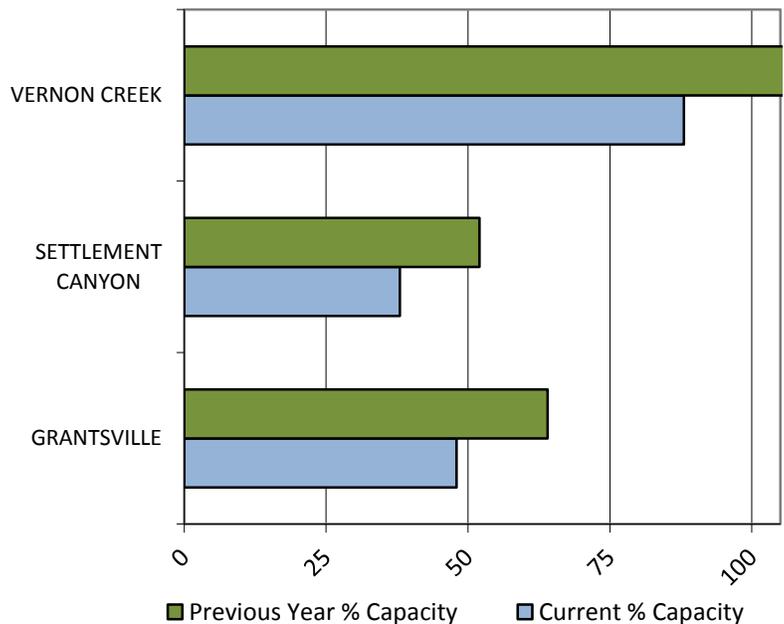
## Soil Moisture



## Precipitation



## Reservoir Storage



## Tooele Valley Vernon Creek Streamflow Forecasts - May 1, 2015

Forecast Exceedance Probabilities for Risk Assessment  
Chance that actual volume will exceed forecast

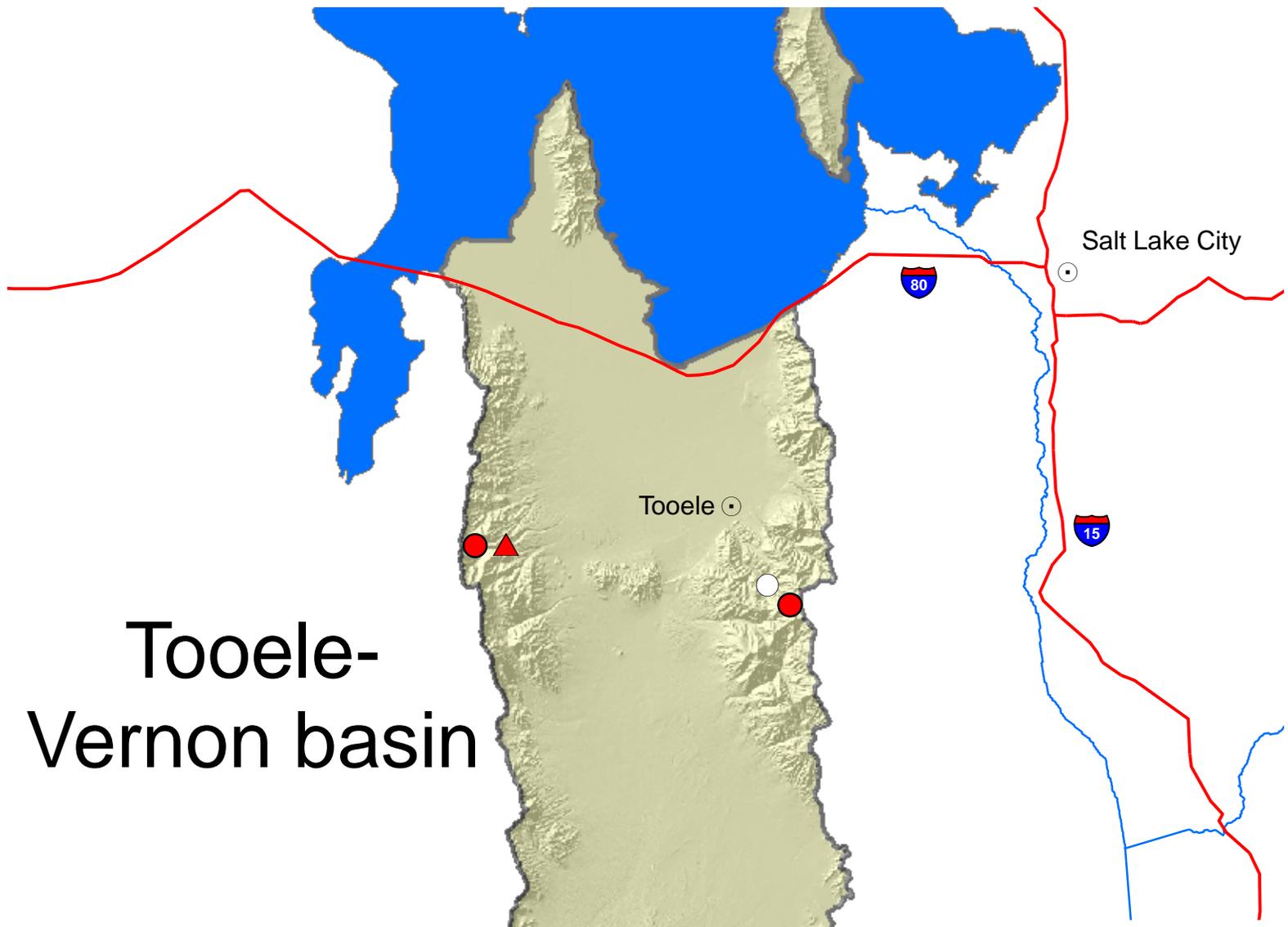
Tooele Valley Vernon Creek	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
<hr/>								
Vernon Ck nr Vernon	APR-JUL	0.014	0.028	0.25	18%	0.65	1.24	1.39
	MAY-JUL	0.01	0.02	0.18	18%	0.48	0.93	1.01
S Willow Ck nr Grantsville	APR-JUL	0.03	0.12	0.5	16%	0.89	1.45	3.1
	MAY-JUL	0.027	0.11	0.45	17%	0.79	1.3	2.7

- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

<b>Reservoir Storage End of April, 2015</b>	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Vernon Creek Reservoir	0.5	0.7	0.6	0.6
Settlement Canyon Reservoir	0.4	0.5	0.8	1.0
Grantsville Reservoir	1.6	2.1	2.8	3.3
Basin-wide Total	2.5	3.3	4.2	4.9
# of reservoirs	3	3	3	3

<b>Watershed Snowpack Analysis May 1, 2015</b>	# of Sites	% Median	Last Year % Median
Tooele	3	0%	68%
NW Utah	2	0%	74%

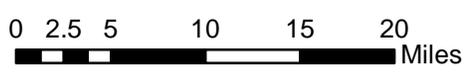
# Tooele-Vernon basin



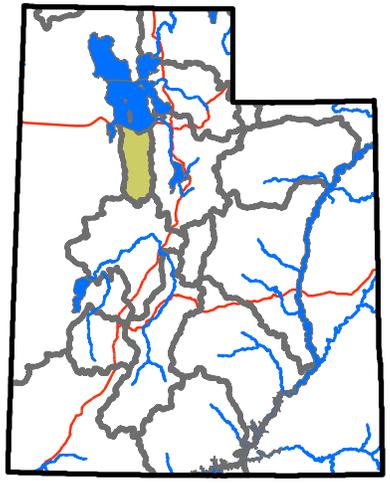
## Percent normal

- < 50%
- 50 - 69%
- 70 - 89%
- 90 - 109%
- 110 - 129%
- 130 - 149%
- > 150%
- no % avail.

- SNOTEL sites
- ▲ Forecast points
- Rivers
- Highways
- Cities



United States Department of Agriculture  
 Natural Resources Conservation Service

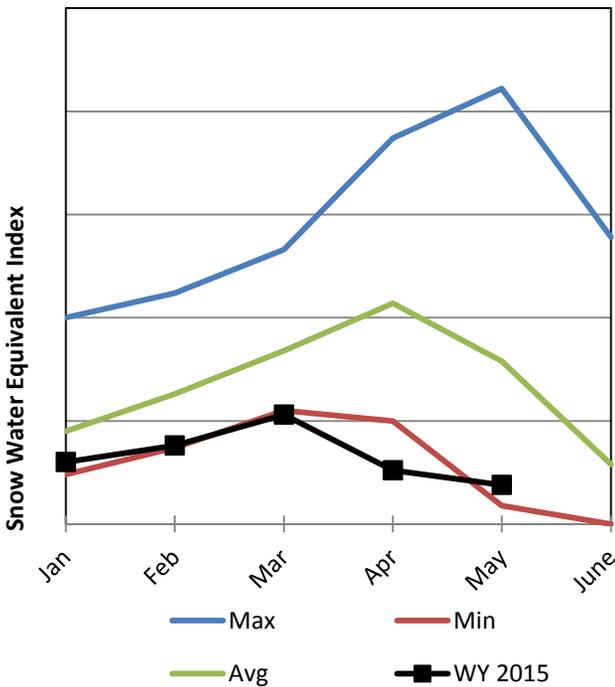


# Northeastern Uintah Basin

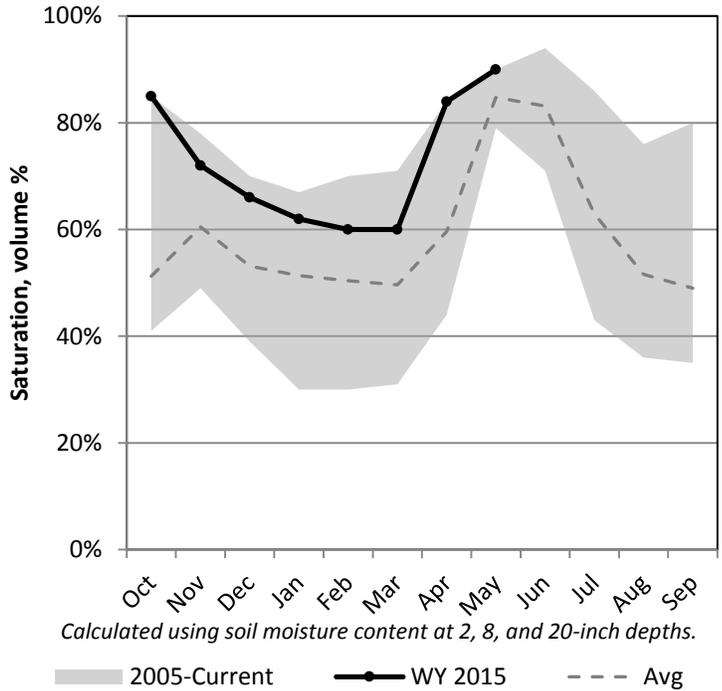
5/1/2015

Snowpack in the Northeastern Uintah Basin is much below normal at 31% of normal, compared to 79% last year. Precipitation in April was above average at 122%, which brings the seasonal accumulation (Oct-Apr) to 71% of average. Soil moisture is at 90% compared to 88% last year. Reservoir storage is at 86% of capacity, compared to 79% last year. Forecast streamflow volumes range from 55% to 59% of average. The surface water supply index is 21% for the Blacks Fork, 27% for the Smiths Creek.

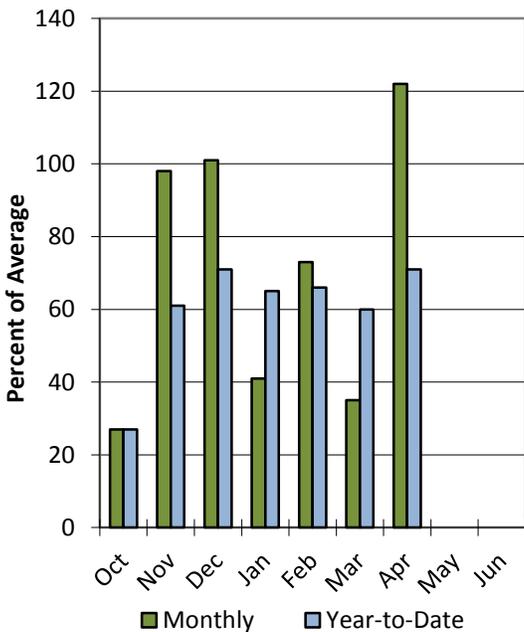
## Snowpack



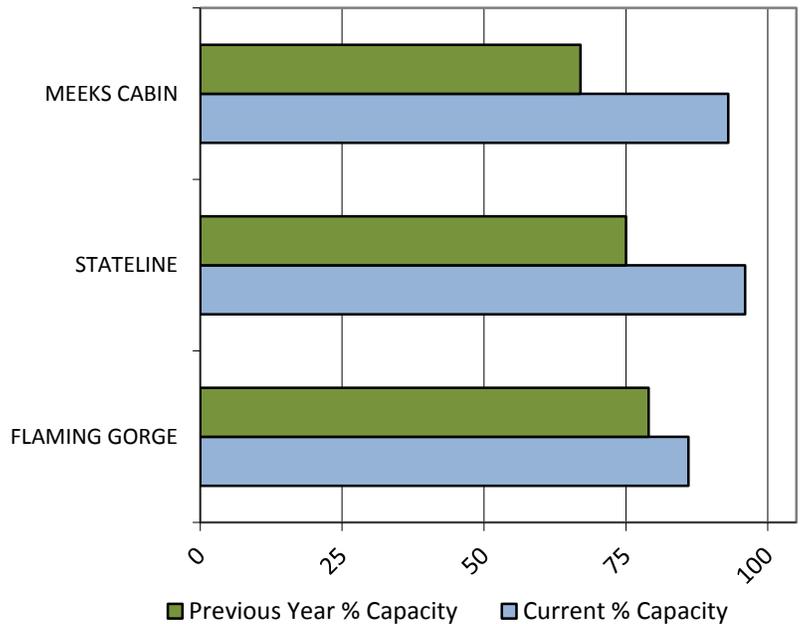
## Soil Moisture



## Precipitation



## Reservoir Storage



### Northeastern Uintahs Streamflow Forecasts - May 1, 2015

Forecast Exceedance Probabilities for Risk Assessment  
Chance that actual volume will exceed forecast

Northeastern Uintahs	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Blacks Fk nr Robertson	APR-JUL	39	45	50	56%	55	62	89
	MAY-JUL	28	34	39	46%	44	51	85
EF of Smiths Fork nr Robertson <sup>2</sup>	APR-JUL	11.4	13.9	15.9	59%	17.9	21	27
	MAY-JUL	9.6	12.1	14.1	54%	16.1	19.4	26
Flaming Gorge Reservoir Inflow <sup>2</sup>	APR-JUL	405	480	535	55%	595	690	980
	MAY-JUL	295	370	425	50%	485	580	845
Uinta R bl Powerplant Diversion nr Neola <sup>2</sup>	APR-JUL	17	23	28	38%	33	42	74
	MAY-JUL	14.2	20	25	35%	30	39	71
Whiterocks R nr Whiterocks	APR-JUL	12	16.5	20	37%	24	31	54
	MAY-JUL	9.8	14.3	17.9	35%	22	29	51
Ashley Ck nr Vernal	APR-JUL	11.2	15.4	18.7	37%	22	29	50
	MAY-JUL	8.5	12.7	16	34%	19.7	26	47
Big Brush Ck ab Red Fleet Reservoir	APR-JUL	4.3	6.1	7.5	36%	9.1	11.8	21
	MAY-JUL	2.8	4.6	6	33%	7.6	10.3	18.4

- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

Reservoir Storage End of April, 2015	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Flaming Gorge Reservoir	3207.4	2968.0	3039.0	3749.0
Stateline Reservoir	11.5	9.0	6.3	12.0
Meeks Cabin Reservoir	30.2	21.9	16.5	32.5
Basin-wide Total	3249.1	2998.9	3061.8	3793.5
# of reservoirs	3	3	3	3

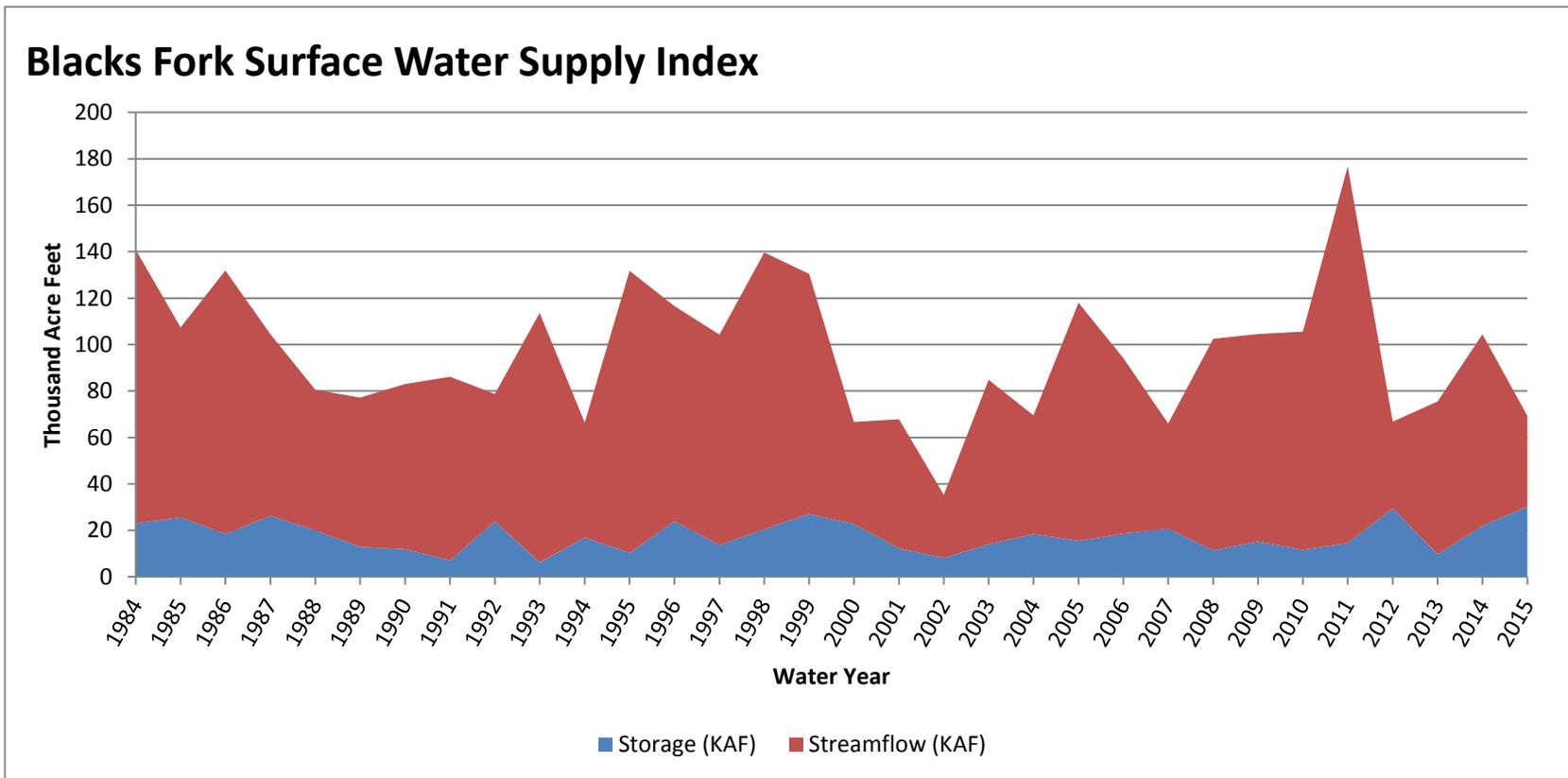
Watershed Snowpack Analysis May 1, 2015	# of Sites	% Median	Last Year % Median
Blacks Fk	5	42%	110%
Upper Green	2	0%	0%
Lower Green	2	0%	33%
Ashley Brush	4	8%	45%

May 1, 2015

## Surface Water Supply Index

Basin or Region	Apr EOM <sup>*</sup> Storage	MAY-JUL Forecast	Storage + Forecast	Percentile	SWSI <sup>#</sup>	Years with similiar SWSI
	KAF <sup>^</sup>	KAF <sup>^</sup>	KAF <sup>^</sup>	%		
<b>Blacks Fork</b>	<b>30.24</b>	<b>39.00</b>	<b>69.24</b>	<b>21</b>	<b>-2.4</b>	<b>12, 01, 04, 13</b>

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

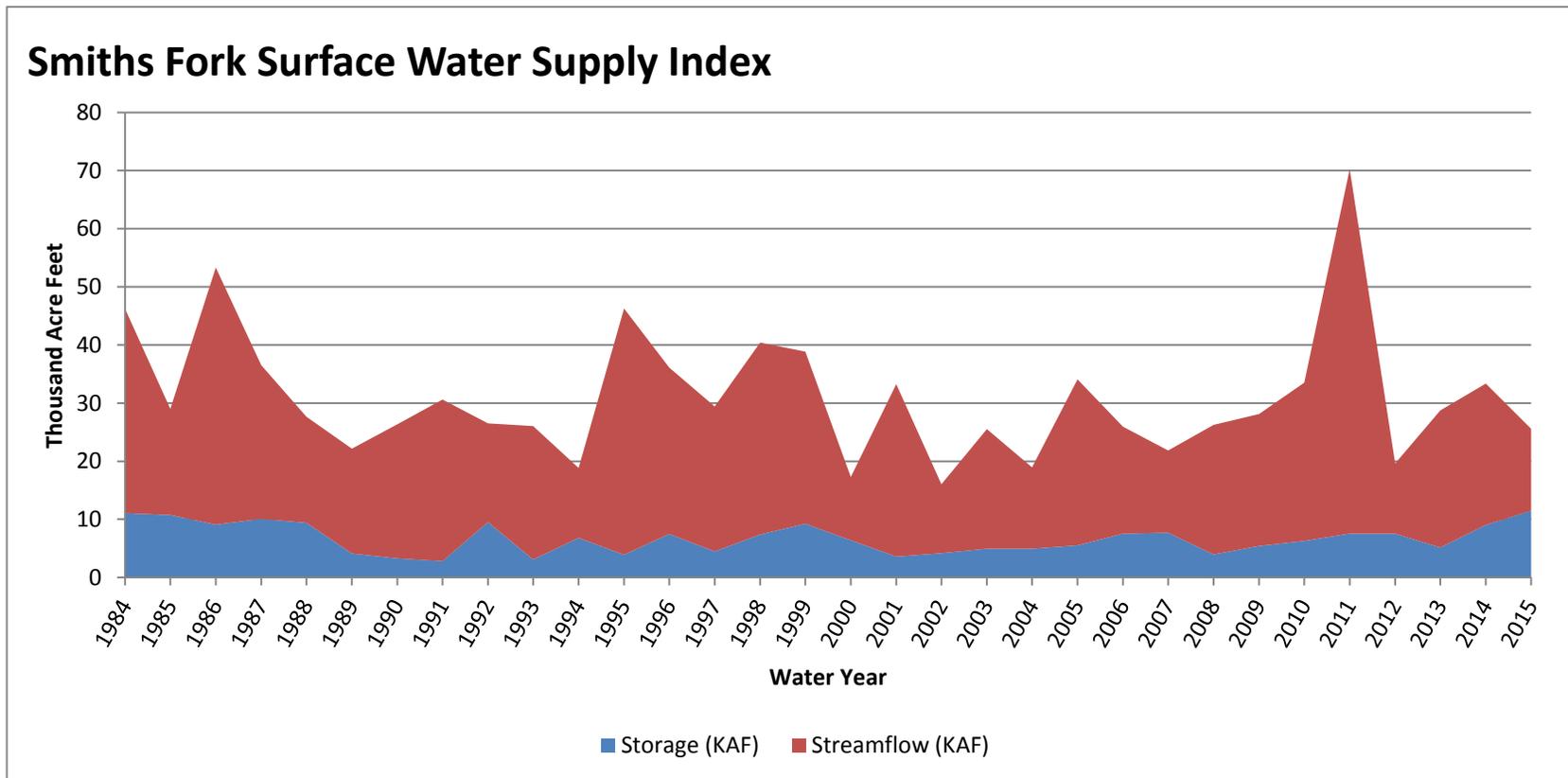


May 1, 2015

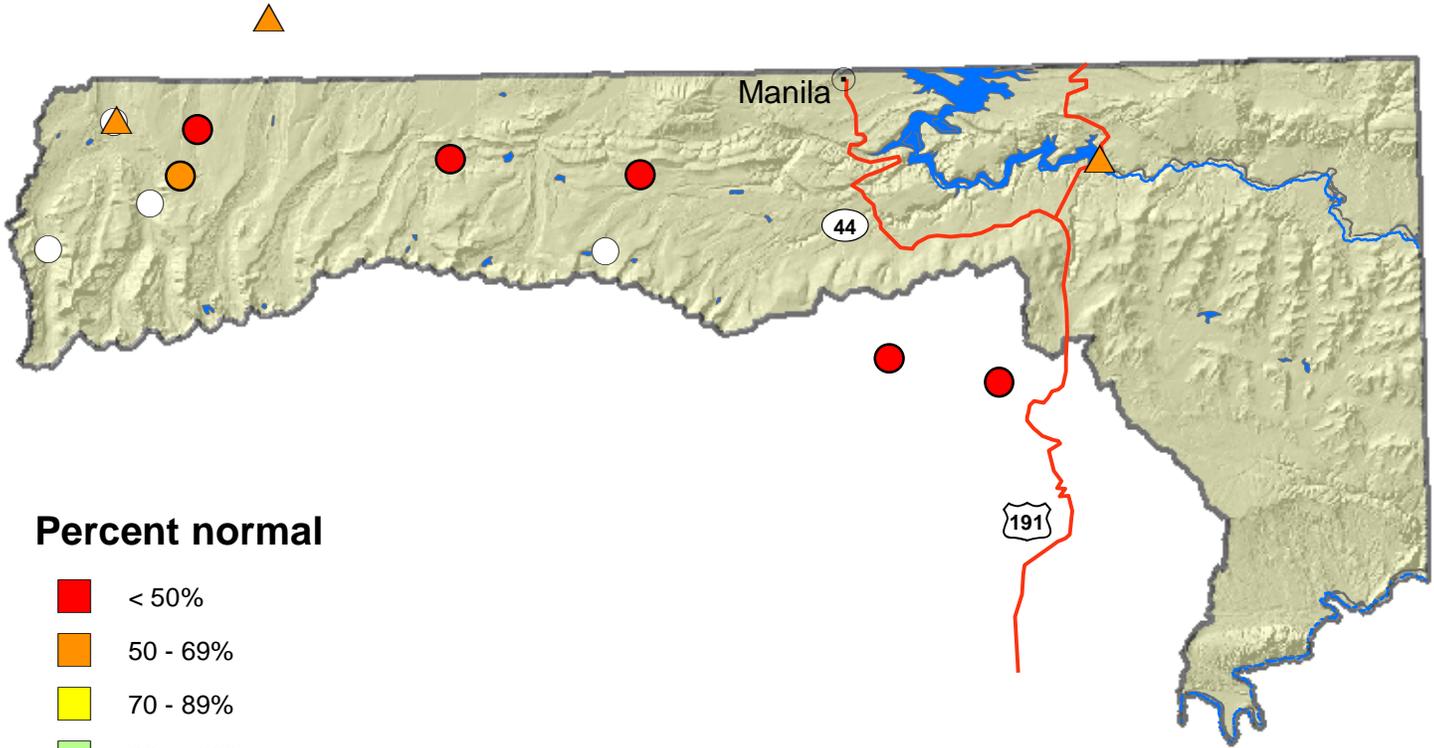
## Surface Water Supply Index

Basin or Region	Apr EOM <sup>*</sup> Storage	MAY-JUL Forecast	Storage + Forecast	Percentile	SWSI <sup>#</sup>	Years with similiar SWSI
	KAF <sup>^</sup>	KAF <sup>^</sup>	KAF <sup>^</sup>	%		
<b>Smiths Fork</b>	<b>11.50</b>	<b>14.10</b>	<b>25.60</b>	<b>27</b>	<b>-1.89</b>	<b>89, 03, 06, 93</b>

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



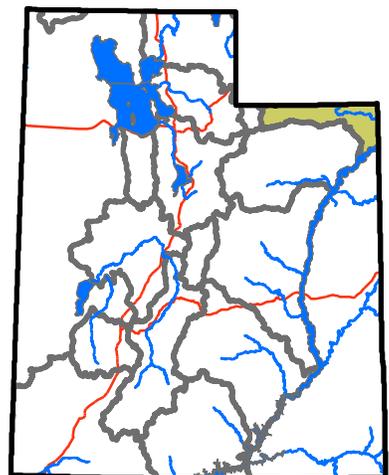
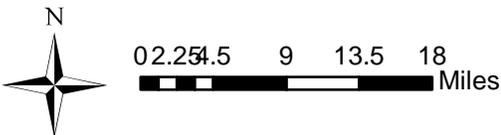
# Northeastern Utah



## Percent normal

- < 50%
- 50 - 69%
- 70 - 89%
- 90 - 109%
- 110 - 129%
- 130 - 149%
- > 150%
- no % avail.

- SNOTEL sites
- Forecast points
- Rivers
- Highways
- Cities

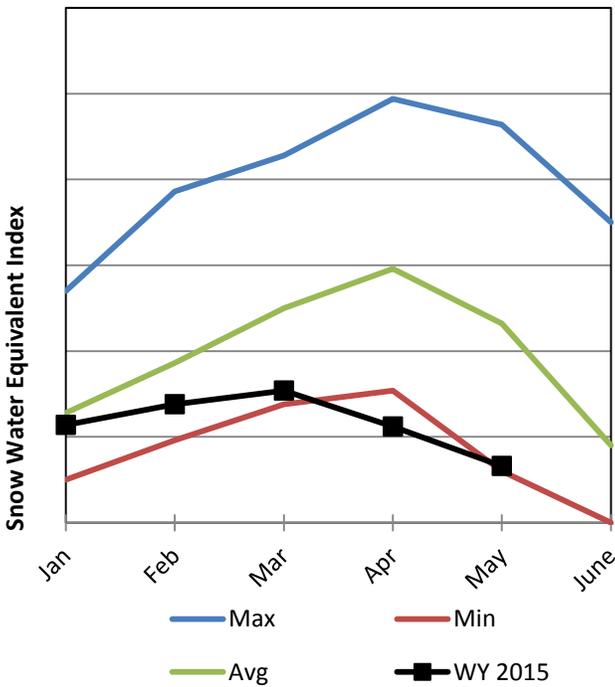


# Duchesne River Basin

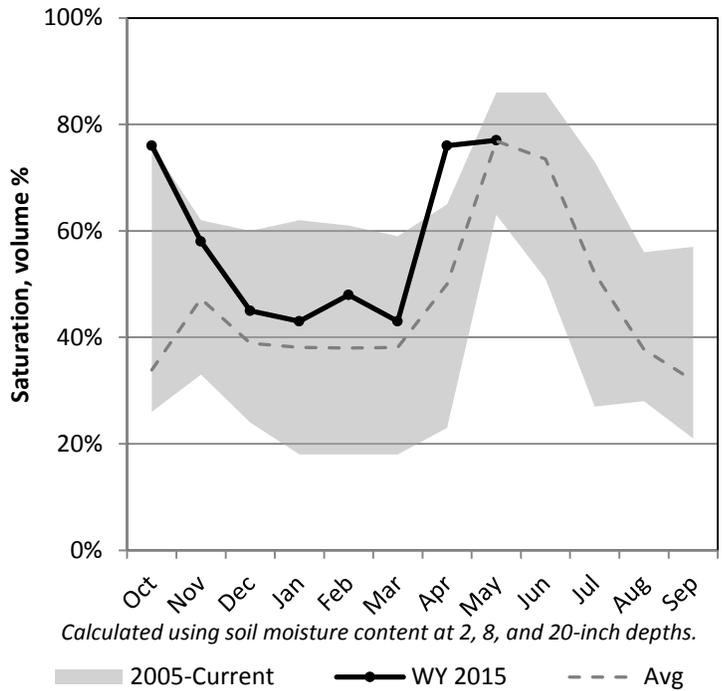
5/1/2015

Snowpack in the Duchesne River Basin is much below average at 31% of normal, compared to 84% last year. Precipitation in April was much below average at 59%, which brings the seasonal accumulation (Oct-Apr) to 56% of average. Soil moisture is at 77% compared to 74% last year. Reservoir storage is at 78% of capacity, compared to 77% last year. Forecast streamflow volumes range from 13% to 52% of average. The surface water supply index is 17% for the Western Uintahs, 3% for the Eastern Uintahs.

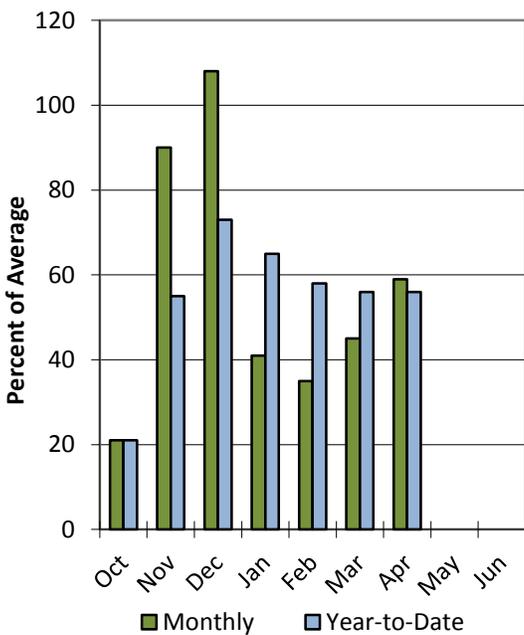
## Snowpack



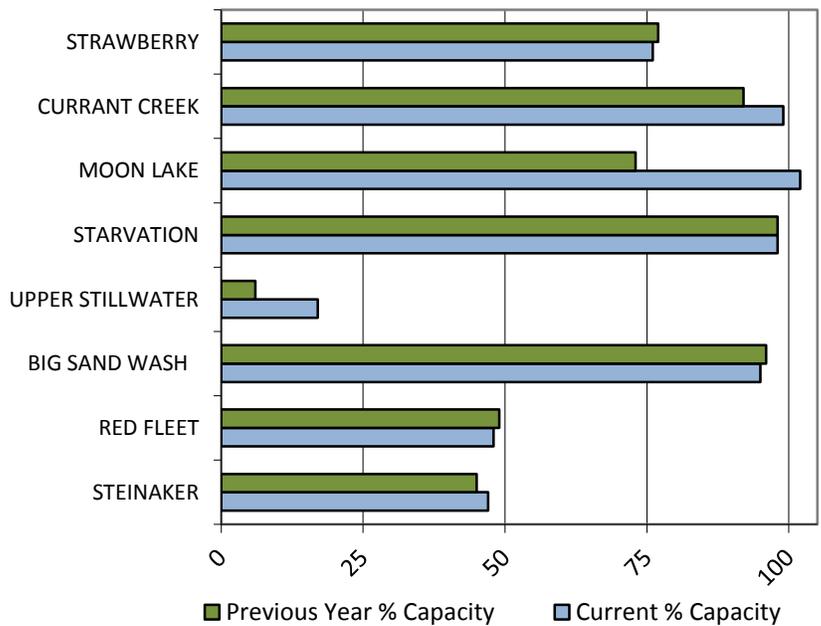
## Soil Moisture



## Precipitation



## Reservoir Storage



### Duchesne River Streamflow Forecasts - May 1, 2015

Forecast Exceedance Probabilities for Risk Assessment  
Chance that actual volume will exceed forecast

Duchesne River	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Duchesne R nr Tabiona <sup>2</sup>	APR-JUL	40	48	55	51%	62	73	108
	MAY-JUL	30	38	45	46%	52	63	98
Strawberry R nr Duchesne <sup>2</sup>	APR-JUL	6.6	11.8	17.2	15%	24	36	112
	MAY-JUL	2.4	7.6	13	14%	19.7	32	91
Strawberry R nr Soldier Springs <sup>2</sup>	APR-JUL	2.9	6.4	9.6	13%	13.3	19.6	72
	MAY-JUL	3.3	6.8	10	17%	13.7	20	59
Duchesne R at Myton <sup>2</sup>	APR-JUL	39	58	75	23%	95	130	330
	MAY-JUL	16.6	35	52	18%	72	107	290
Duchesne R nr Randlett <sup>2</sup>	APR-JUL	35	57	77	20%	102	148	385
	MAY-JUL	12.4	34	54	16%	79	125	345
Duchesne R ab Knight Diversion <sup>2</sup>	APR-JUL	75	89	100	51%	112	130	195
	MAY-JUL	58	72	83	46%	95	113	179
WF Duchesne R at VAT Diversion	APR-JUL	5.3	7	8.4	45%	9.9	12.3	18.6
	MAY-JUL	3.9	5.6	7	40%	8.5	10.9	17.3
Rock Ck nr Mountain Home <sup>2</sup>	APR-JUL	36	41	46	52%	50	57	88
	MAY-JUL	29	34	39	46%	43	50	84
Yellowstone R nr Altonah	APR-JUL	16.5	21	24	39%	27	33	61
	MAY-JUL	13.2	17.4	21	37%	24	30	57
Upper Stillwater Reservoir Inflow <sup>2</sup>	APR-JUL	29	34	38	51%	41	47	74
	MAY-JUL	23	28	32	45%	35	41	71
Lake Fk R BI Moon Lk nr Mountain Home <sup>2</sup>	APR-JUL	22	26	29	44%	32	37	66
	MAY-JUL	18.5	23	26	41%	29	34	63
Lake Fork R ab Moon Lake Reservoir	APR-JUL	17.3	23	26	43%	31	38	61
	MAY-JUL	14.1	19.4	23	40%	28	35	58
Currant Ck Reservoir Inflow <sup>2</sup>	APR-JUL	4.2	5.8	7	35%	8.5	10.9	20
	MAY-JUL	2.3	3.9	5.1	30%	6.6	9	17.1

- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

Reservoir Storage End of April, 2015	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Steinaker Reservoir	15.8	15.0	25.3	33.4
Red Fleet Reservoir	12.4	12.5	19.8	25.7
Big Sand Wash Reservoir	24.3	24.6		25.7
Upper Stillwater Reservoir	5.6	1.8	2.9	32.5
Starvation Reservoir	162.7	162.7	151.9	165.3
Moon Lake Reservoir	36.4	26.1	27.6	35.8
Currant Creek Reservoir	15.3	14.3	14.9	15.5
Strawberry Reservoir	845.9	850.8	678.4	1105.9
Basin-wide Total	1094.1	1083.2	920.8	1414.1
# of reservoirs	7	7	7	7

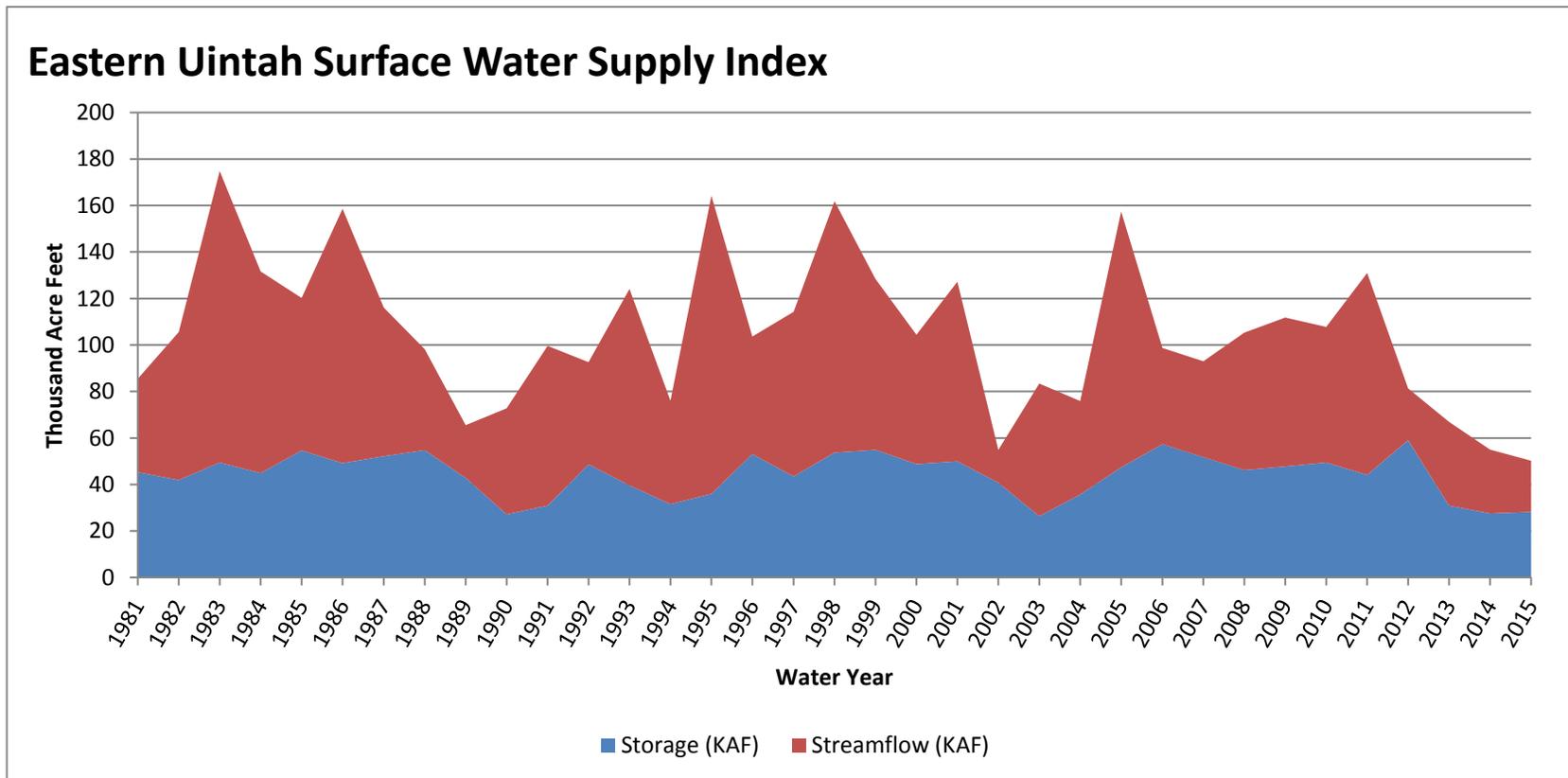
Watershed Snowpack Analysis May 1, 2015	# of Sites	% Median	Last Year % Median
Strawberry	5	0%	60%
Lakefork Yellowstone	7	39%	94%
Uintah Whiterocks	2	11%	60%

May 1, 2015

## Surface Water Supply Index

Basin or Region	Apr EOM <sup>*</sup> Storage	MAY-JUL Forecast	Storage + Forecast	Percentile	SWSI <sup>#</sup>	Years with similiar SWSI
	KAF <sup>^</sup>	KAF <sup>^</sup>	KAF <sup>^</sup>	%		
<b>Eastern Uintah</b>	<b>28.16</b>	<b>22.00</b>	<b>50.16</b>	<b>3</b>	<b>-3.94</b>	<b>02, 14, 89, 13</b>

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

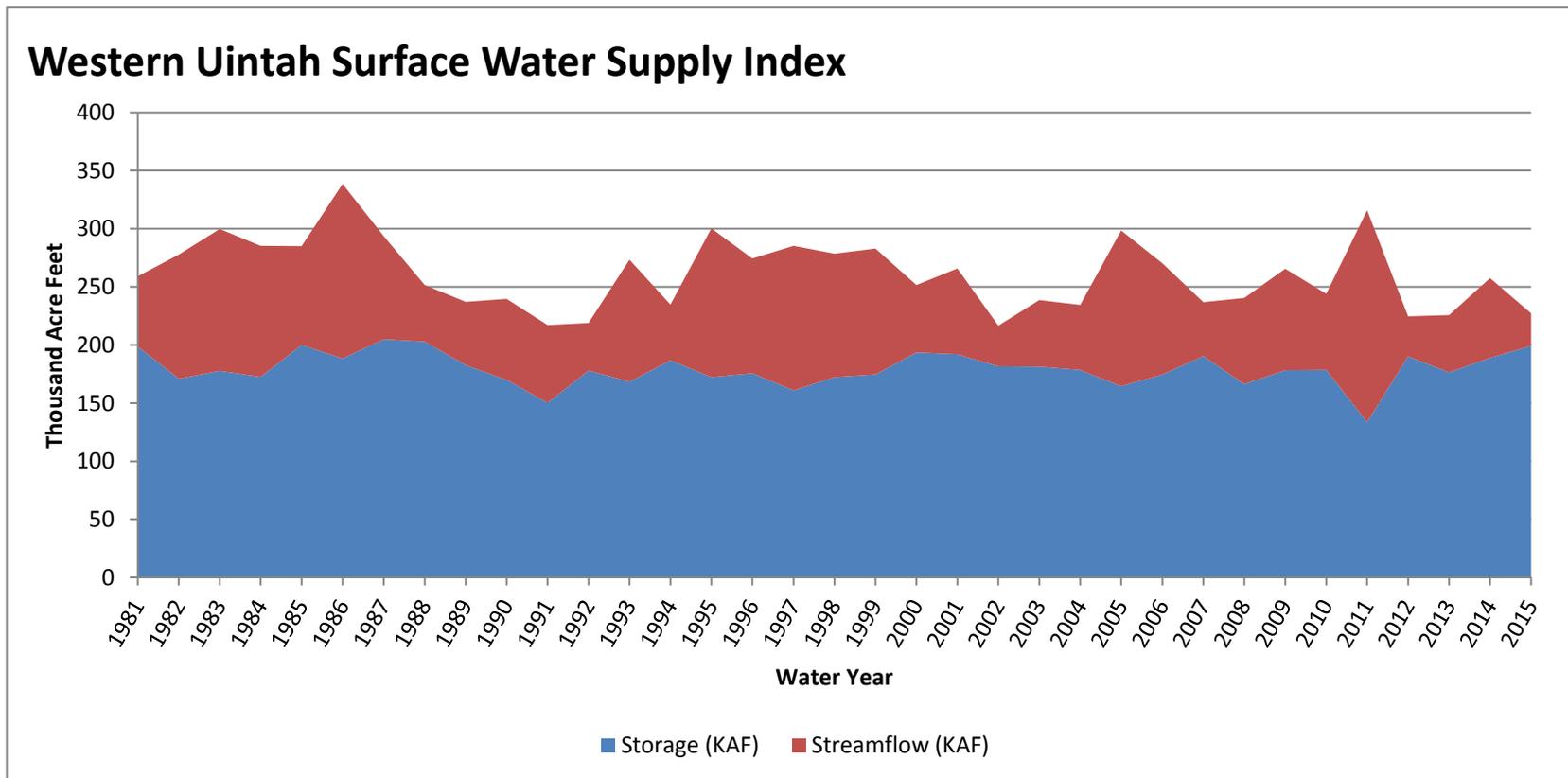


May 1, 2015

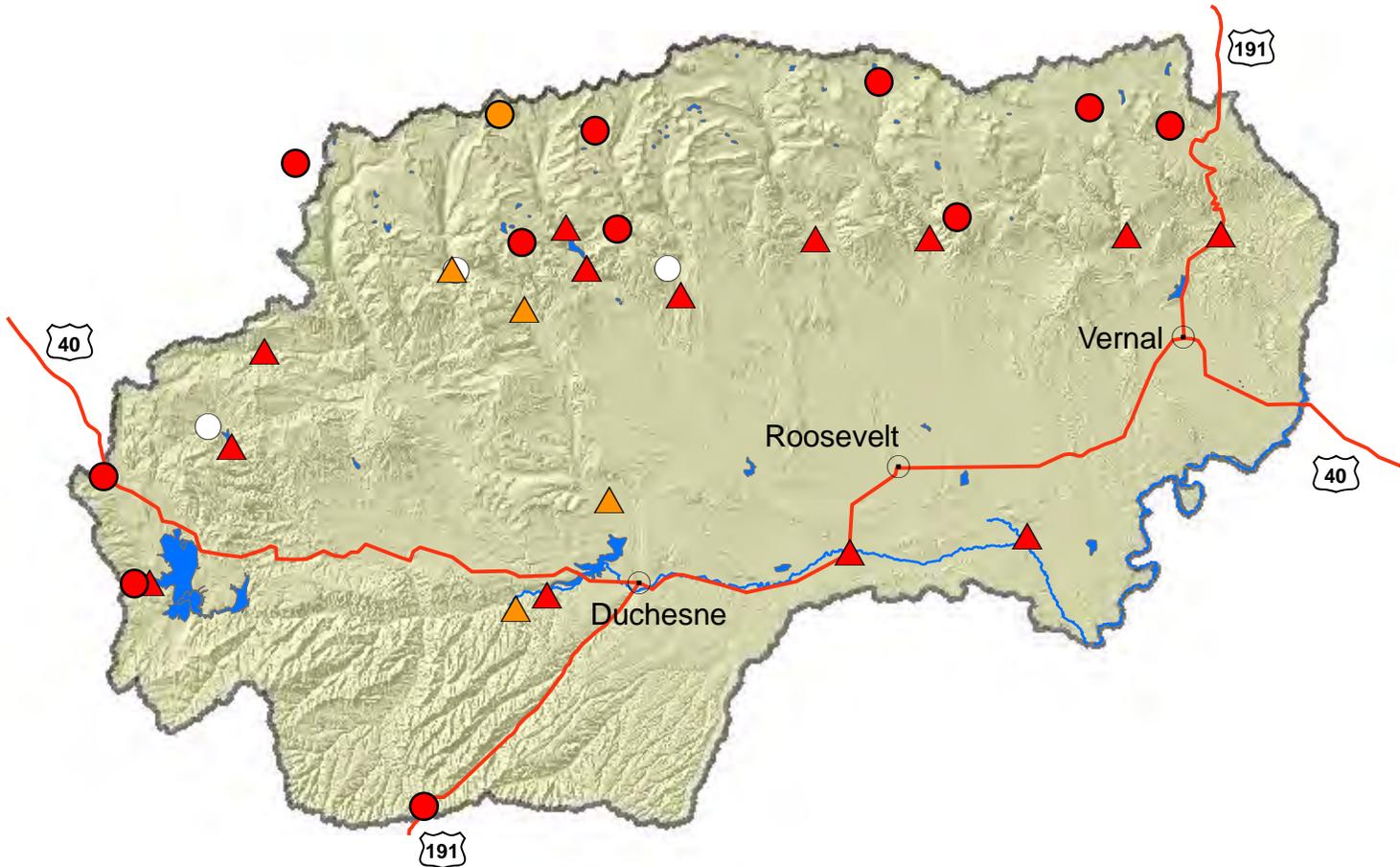
## Surface Water Supply Index

Basin or Region	Apr EOM <sup>*</sup> Storage	MAY-JUL Forecast	Storage + Forecast	Percentile	SWSI <sup>#</sup>	Years with similiar SWSI
	KAF <sup>^</sup>	KAF <sup>^</sup>	KAF <sup>^</sup>	%		
<b>Western Uintah</b>	<b>199.10</b>	<b>28.00</b>	<b>227.10</b>	<b>17</b>	<b>-2.78</b>	<b>12, 13, 04, 94</b>

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

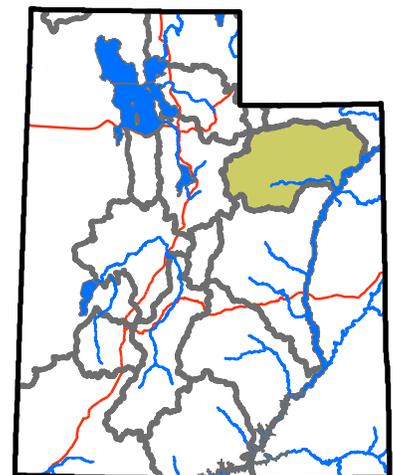
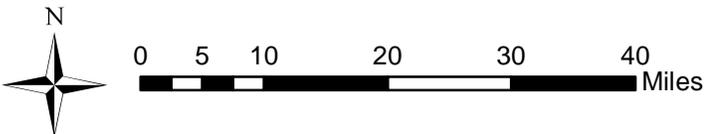


# Duchesne basin



## Percent normal

- < 50%
  - 50 - 69%
  - 70 - 89%
  - 90 - 109%
  - 110 - 129%
  - 130 - 149%
  - > 150%
  - no % avail.
- SNOTEL sites
  - Forecast points
  - Rivers
  - Highways
  - Cities

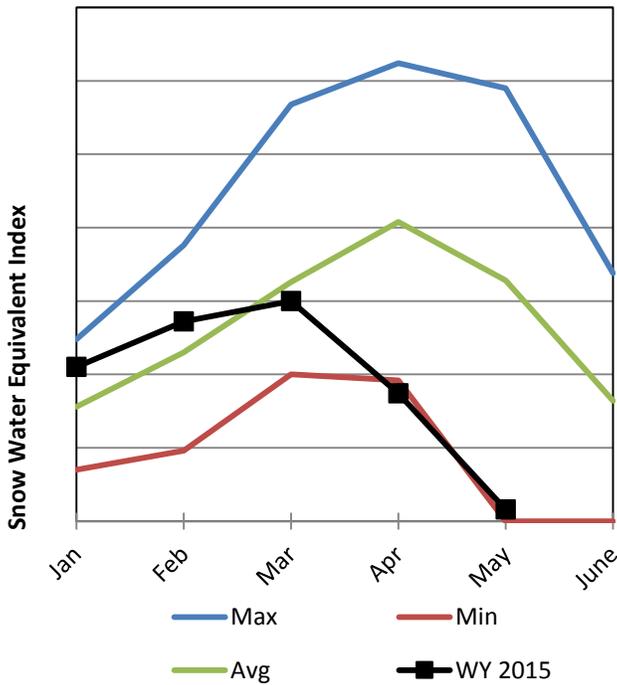


# Lower Sevier River Basin

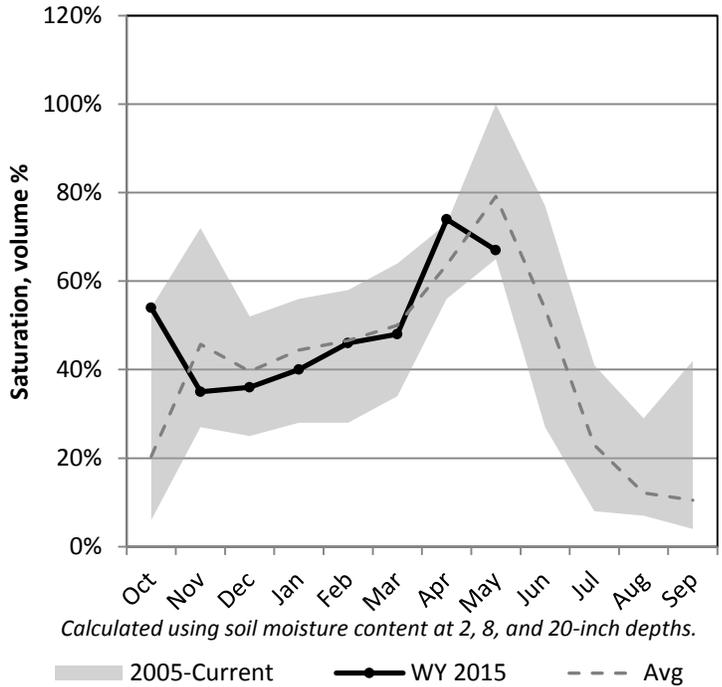
5/1/2015

Snowpack in the Lower Sevier River Basin is much below normal at 5% of normal, compared to 29% last year. Precipitation in April was near average at 100%, which brings the seasonal accumulation (Oct-Apr) to 79% of average. Soil moisture is at 67% compared to 65% last year. Reservoir storage is at 45% of capacity, compared to 50% last year. Forecast streamflow volumes range from 8% to 20% of average. The surface water supply index is 11% for the Lower Sevier.

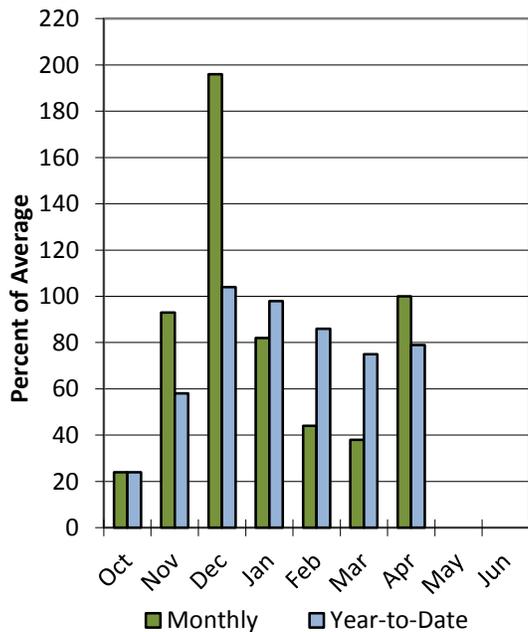
## Snowpack



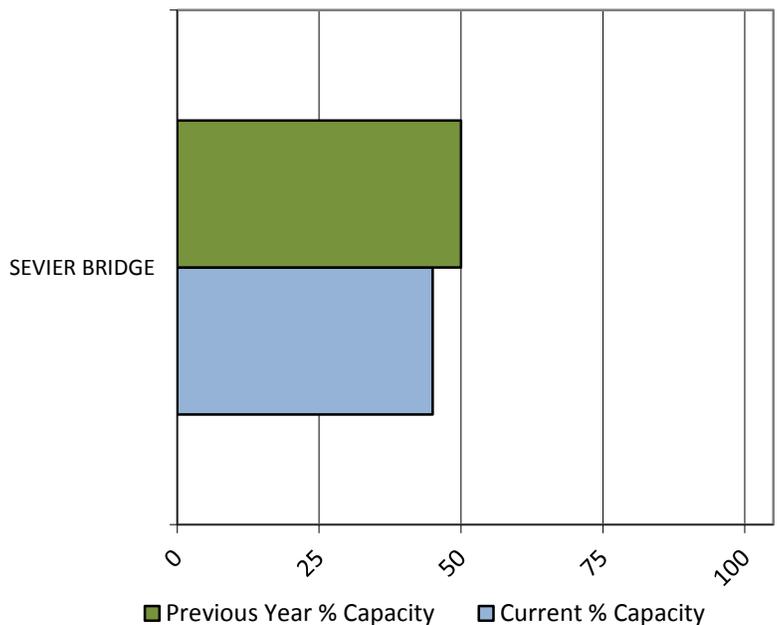
## Soil Moisture



## Precipitation



## Reservoir Storage



## Lower Sevier River Streamflow Forecasts - May 1, 2015

Forecast Exceedance Probabilities for Risk Assessment  
Chance that actual volume will exceed forecast

Lower Sevier River	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Chicken Ck nr Levan	APR-JUL	0.18	0.27	0.36	8%	0.46	0.64	4.5
	MAY-JUL	0.017	0.05	0.2	6%	0.46	1.02	3.4
Oak Ck nr Oak City	APR-JUL	0.11	0.2	0.27	16%	0.36	0.51	1.66
	MAY-JUL	0.011	0.04	0.1	9%	0.18	0.34	1.07

- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

Reservoir Storage End of April, 2015	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Sevier Bridge Reservoir	106.0	118.3	172.9	236.0
Basin-wide Total	106.0	118.3	172.9	236.0
# of reservoirs	1	1	1	1

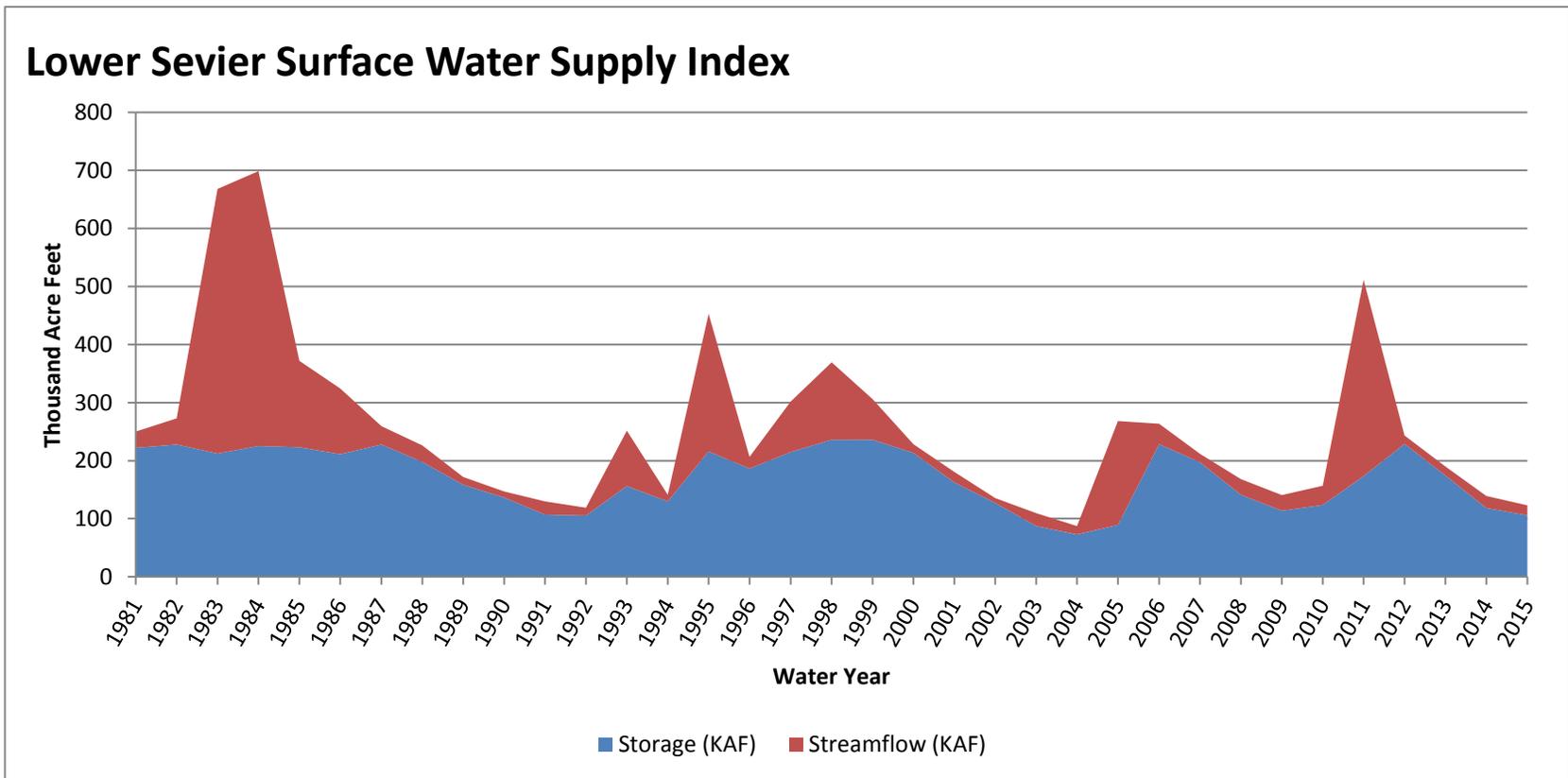
Watershed Snowpack Analysis May 1, 2015	# of Sites	% Median	Last Year % Median
Lower Sevier	3	4%	23%

May 1, 2015

## Surface Water Supply Index

Basin or Region	Apr EOM <sup>*</sup> Storage	MAY-JUL Forecast	Storage + Forecast	Percentile	SWSI <sup>#</sup>	Years with similar SWSI
	KAF <sup>^</sup>	KAF <sup>^</sup>	KAF <sup>^</sup>	%		
<b>Lower Sevier</b>	<b>105.99</b>	<b>17.00</b>	<b>122.99</b>	<b>11</b>	<b>-3.24</b>	<b>03, 92, 91, 02</b>

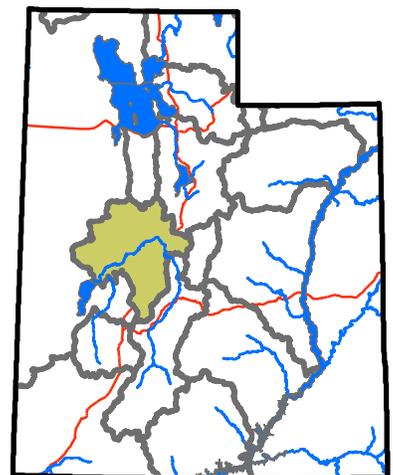
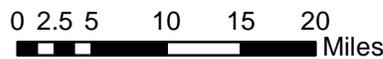
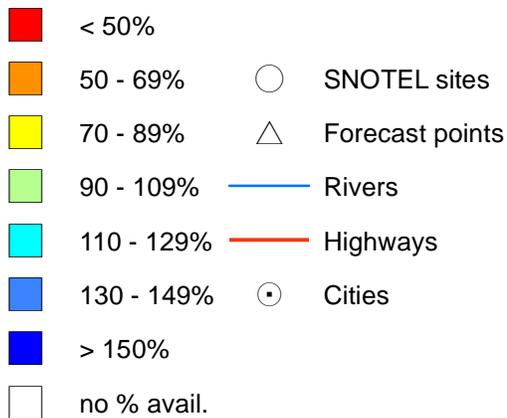
<sup>\*</sup>EOM, end of month; <sup>#</sup>SWSI, Surface Water Supply Index; <sup>^</sup>KAF, thousand acre-feet.



# Lower Sevier basin



## Percent normal

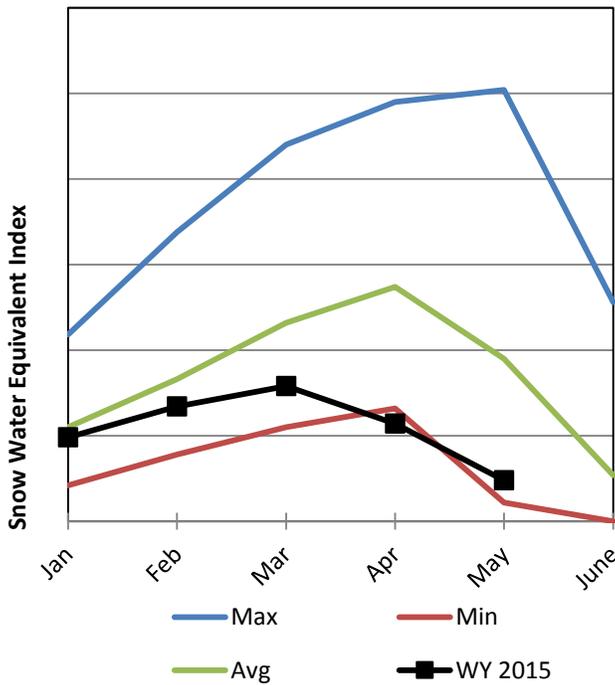


# Upper Sevier River Basin

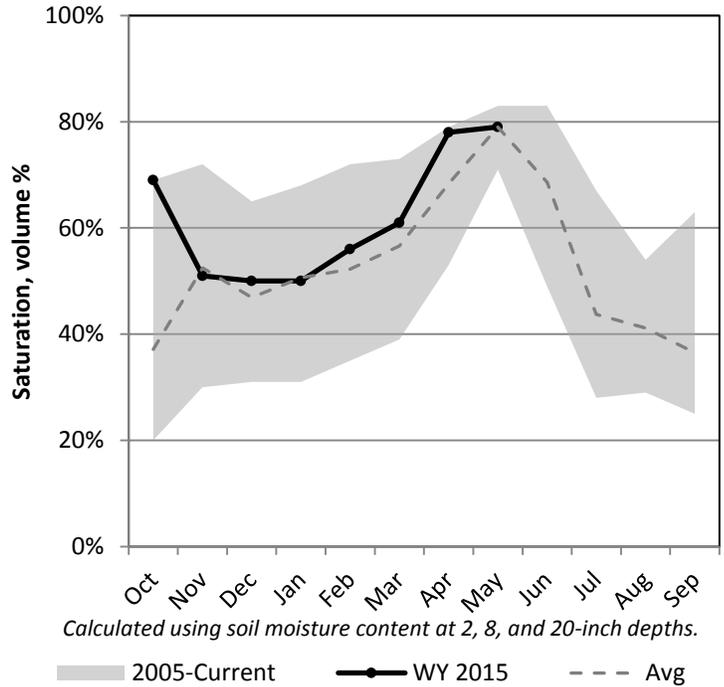
5/1/2015

Snowpack in the Upper Sevier River Basin is much below normal at 30% of normal, compared to 45% last year. Precipitation in April was below average at 76%, which brings the seasonal accumulation (Oct-Apr) to 68% of average. Soil moisture is at 79% compared to 77% last year. Reservoir storage is at 61% of capacity, compared to 81% last year. Forecast streamflow volumes range from 15% to 37% of average. The surface water supply index is 8% for the Upper Sevier.

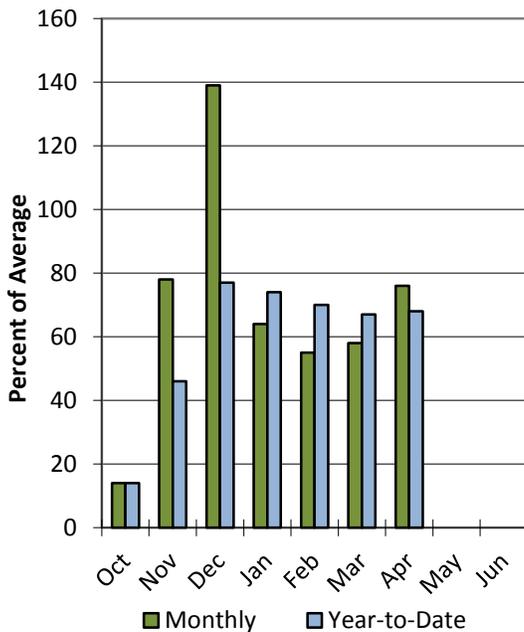
## Snowpack



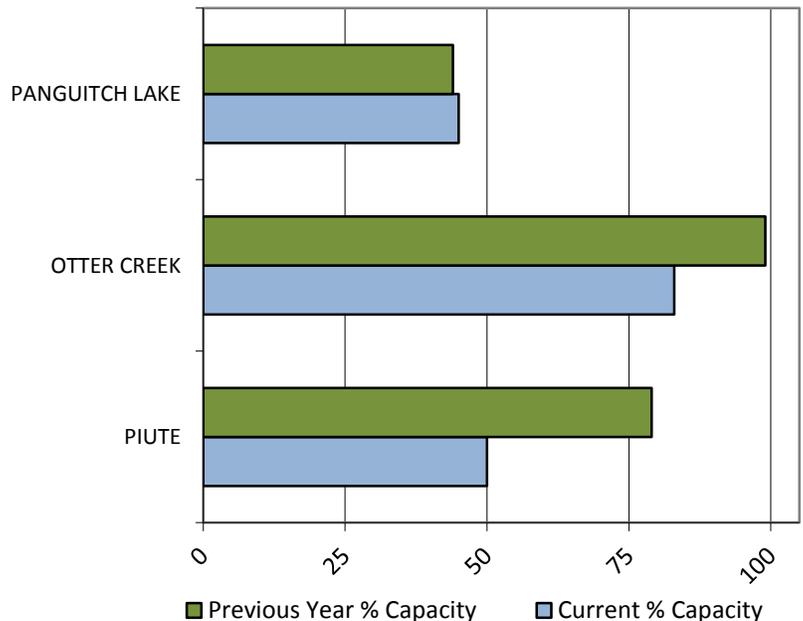
## Soil Moisture



## Precipitation



## Reservoir Storage



## Upper Sevier River Streamflow Forecasts - May 1, 2015

Forecast Exceedance Probabilities for Risk Assessment  
Chance that actual volume will exceed forecast

Upper Sevier River	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Sevier R at Hatch	APR-JUL	1.38	10.1	16	33%	22	31	48
	MAY-JUL	2.8	9.5	14	33%	18.5	25	42
EF Sevier R nr Kingston	APR-JUL	0.7	5.7	13	37%	20	31	35
	MAY-JUL	0.3	2.1	10	33%	17.9	30	30
Sevier R nr Kingston	APR-JUL	0.66	3.4	12	36%	21	33	33
	MAY-JUL	0.26	1.02	9.2	35%	17.4	29	26
Sevier R bl Piute Dam	APR-JUL	0.66	5.3	24	36%	43	70	66
	MAY-JUL	1.31	8.9	18	33%	30	54	55
Clear Ck ab Diversions nr Sevier	APR-JUL	0.42	1.23	4.2	20%	7.2	11.6	21
	MAY-JUL	1.26	2.3	3.2	19%	4.2	6	17
Salina Ck nr Emery	APR-JUL	0.079	0.24	1.2	15%	2.5	4.9	7.9
	MAY-JUL	0.07	0.14	0.7	10%	2.2	4.3	7

- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

Reservoir Storage End of April, 2015	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Piute Reservoir	35.9	56.5	54.4	71.8
Otter Creek Reservoir	43.5	52.1	44.8	52.5
Panguitch Lake	10.1	9.9	15.9	22.3
Basin-wide Total	89.5	118.5	115.1	146.6
# of reservoirs	3	3	3	3

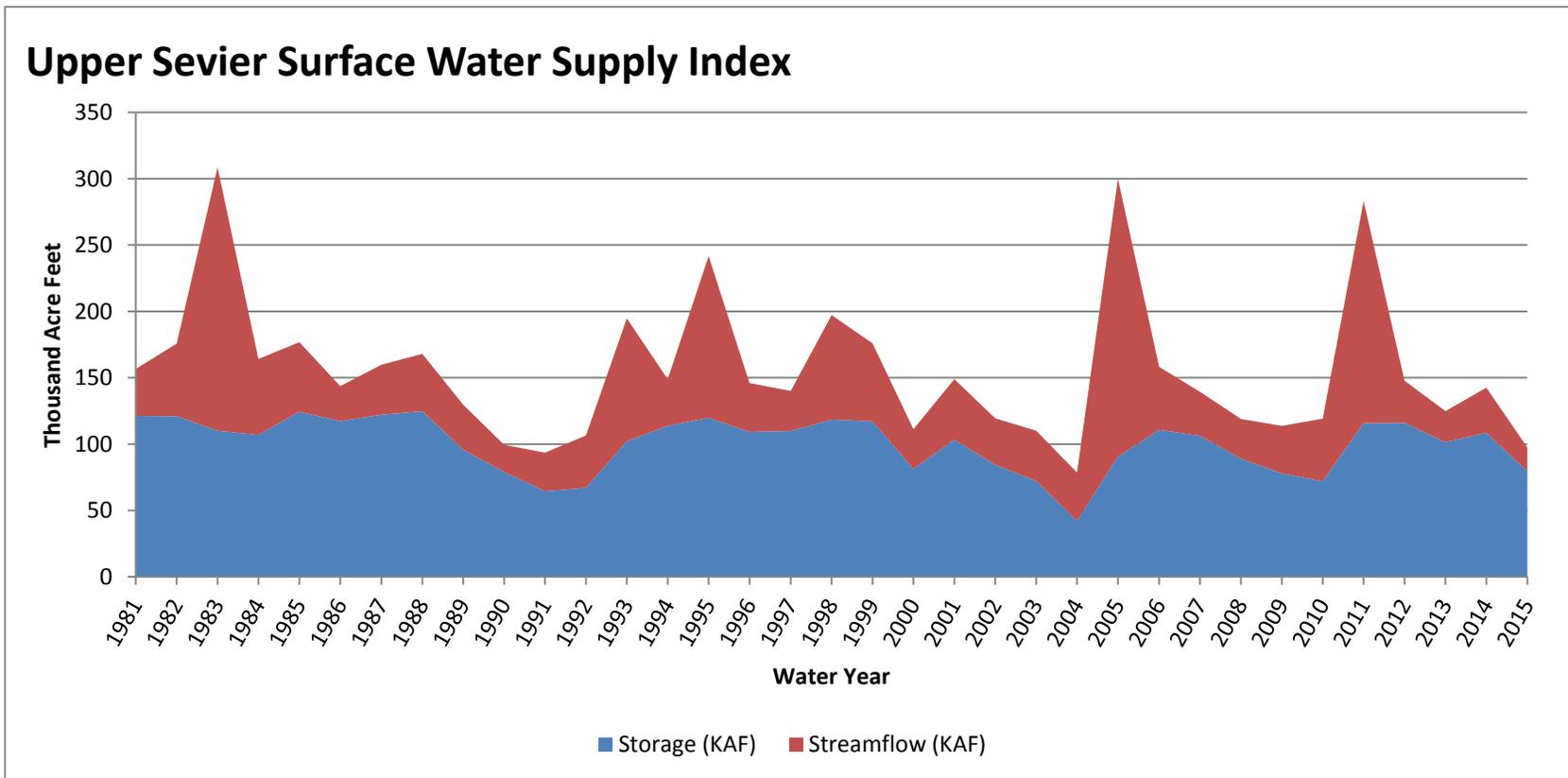
Watershed Snowpack Analysis May 1, 2015	# of Sites	% Median	Last Year % Median
Upper Sevier	8	53%	45%
Middle Sevier	8	29%	56%
E Fk Sevier	4	13%	32%

May 1, 2015

## Surface Water Supply Index

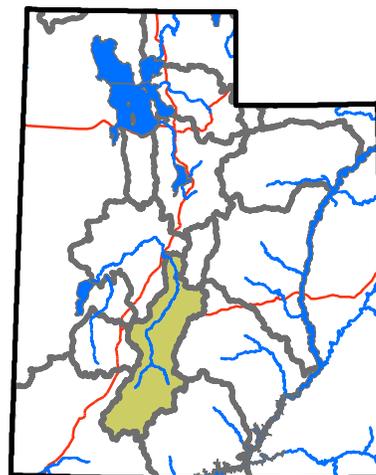
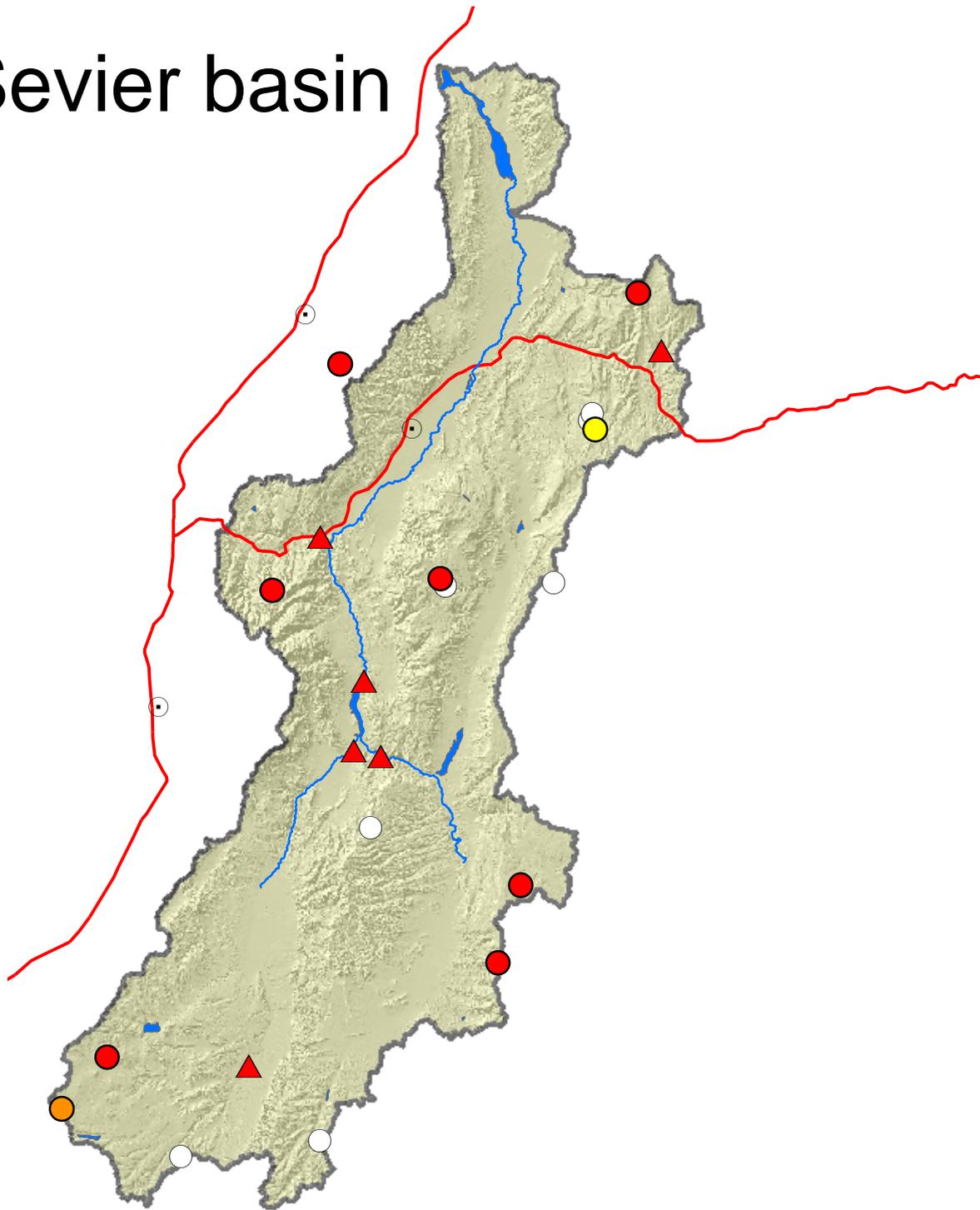
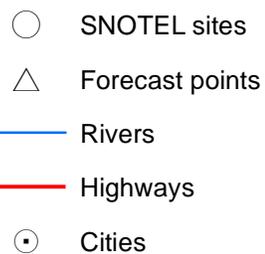
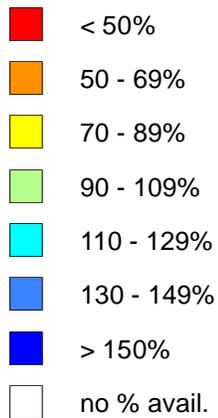
Basin or Region	Apr EOM <sup>*</sup> Storage	MAY-JUL Forecast	Storage + Forecast	Percentile	SWSI <sup>#</sup>	Years with similar SWSI
	KAF <sup>^</sup>	KAF <sup>^</sup>	KAF <sup>^</sup>	%		
<b>Upper Sevier</b>	<b>79.39</b>	<b>18.00</b>	<b>97.39</b>	<b>8</b>	<b>-3.47</b>	<b>04, 91, 90, 92</b>

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



# Upper Sevier basin

## Percent normal

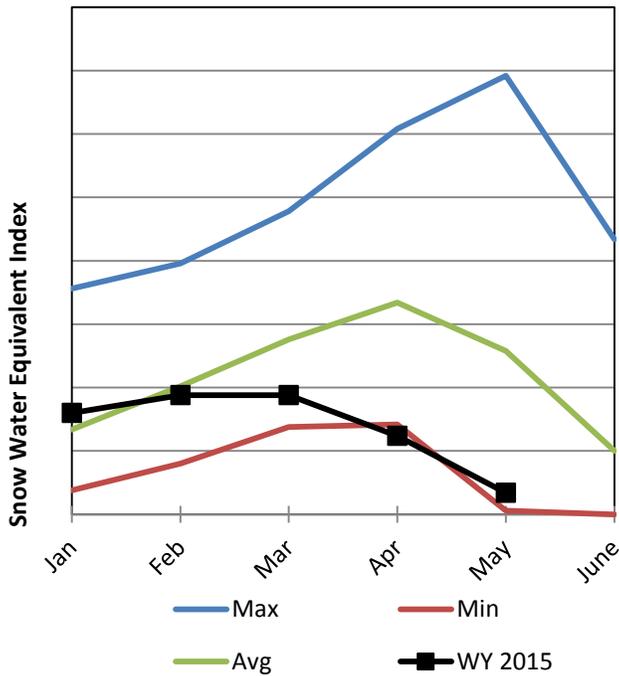


# San Pitch River Basin

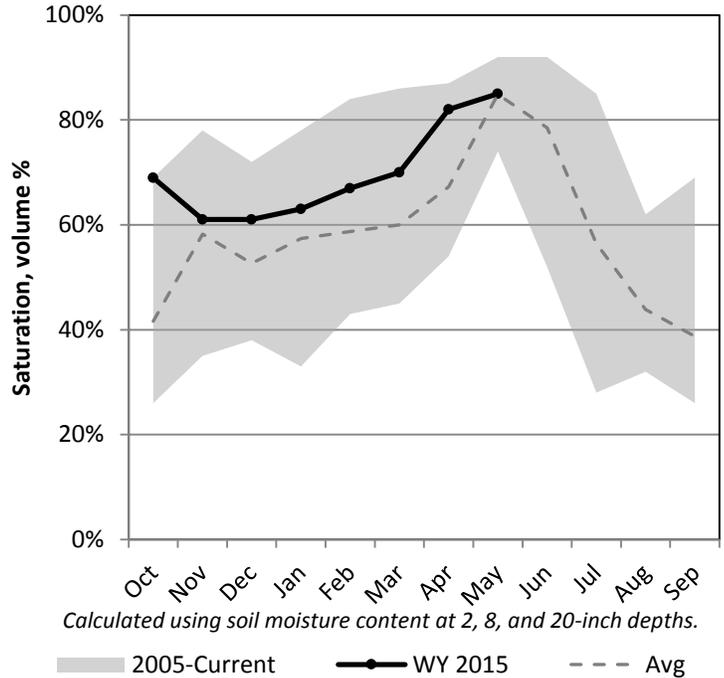
5/1/2015

Snowpack in the San Pitch River Basin is much below normal at 17% of normal, compared to 71% last year. Precipitation in April was below average at 79%, which brings the seasonal accumulation (Oct-Apr) to 70% of average. Soil moisture is at 85% compared to 74% last year. Reservoir storage is at 0% of capacity, compared to 16% last year. The forecast streamflow volume for Manti Creek is 39% of average. The surface water supply index is 3% for the San Pitch.

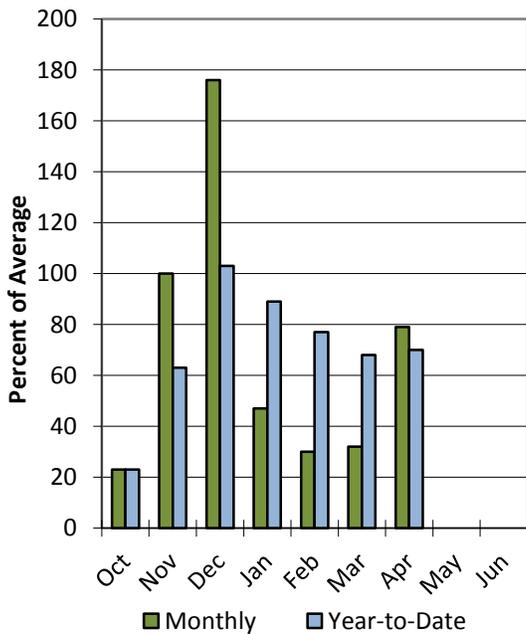
## Snowpack



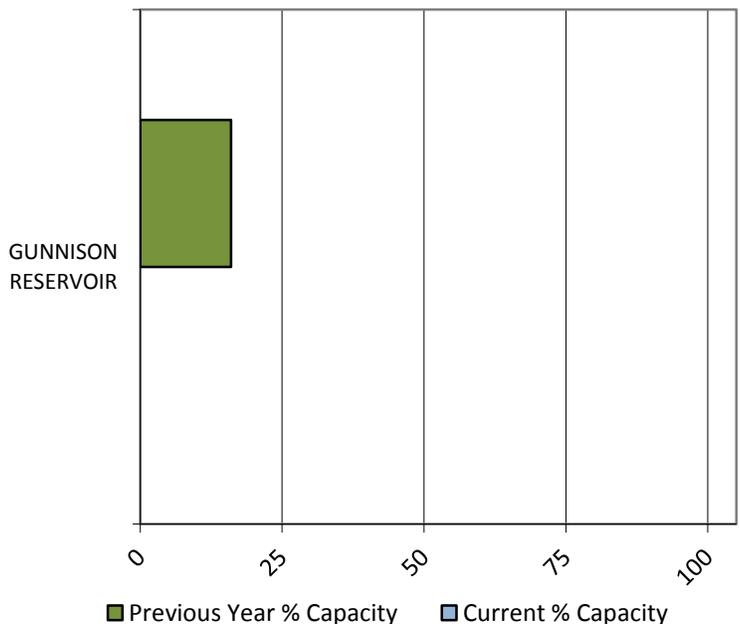
## Soil Moisture



## Precipitation



## Reservoir Storage



### San Pitch River Streamflow Forecasts - May 1, 2015

Forecast Exceedance Probabilities for Risk Assessment  
Chance that actual volume will exceed forecast

San Pitch River	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Manti Ck bl Dugway Ck nr Manti	APR-JUL	3.9	5.4	6.5	39%	7.7	9.8	16.7
	MAY-JUL	3.5	4.9	6	39%	7.2	9.2	15.5
Sevier R nr Gunnison	APR-JUL	0.99	3	20	20%	40	71	99
	MAY-JUL	0.86	2.6	17	20%	32	55	86

- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

Reservoir Storage End of April, 2015	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Gunnison Reservoir	0.0	3.3	14.2	20.3
Basin-wide Total		3.3	14.2	20.3
# of reservoirs	1	1	1	1

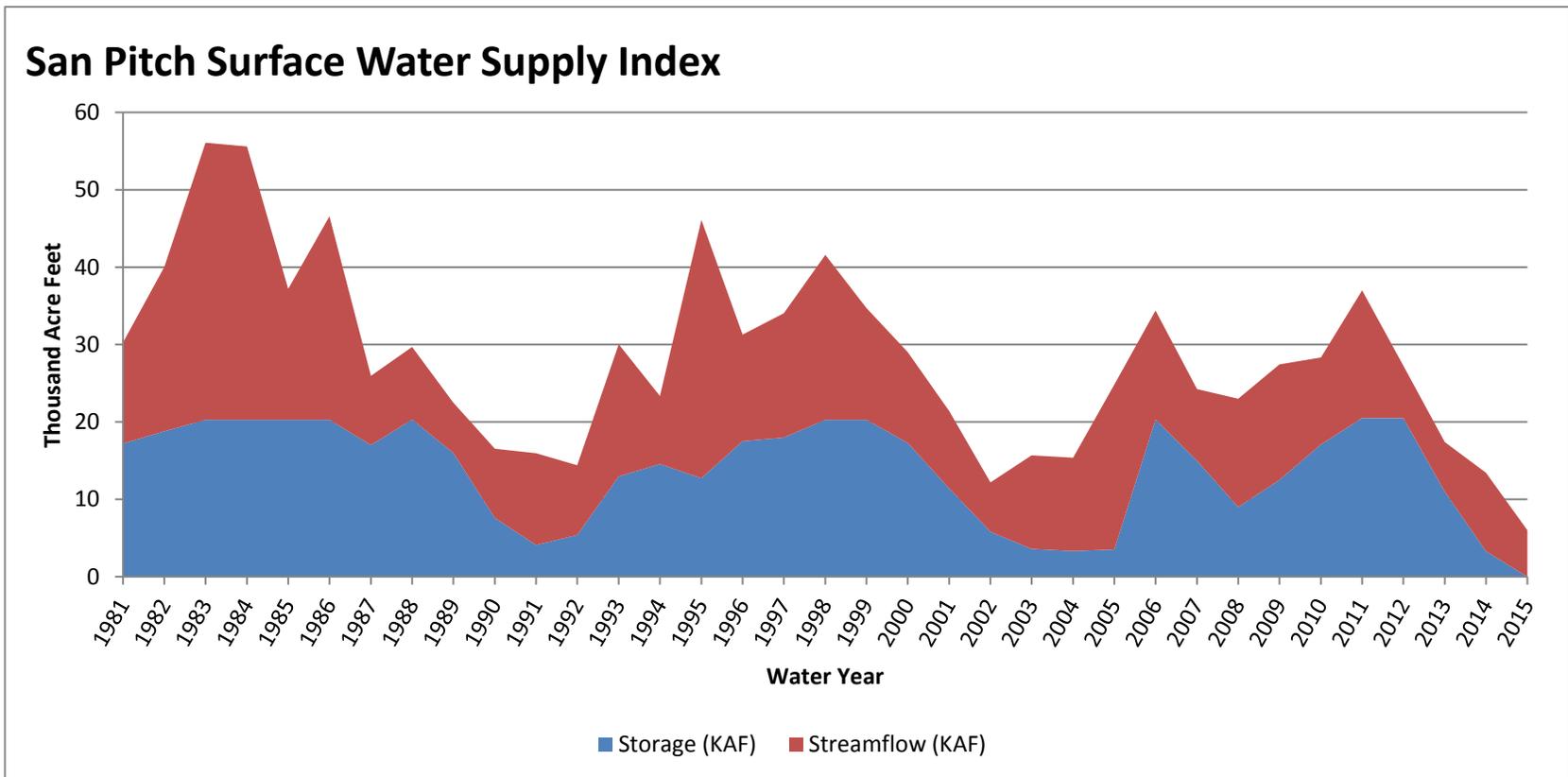
Watershed Snowpack Analysis May 1, 2015	# of Sites	% Median	Last Year % Median
Upper San Pitch	4	26%	57%
Lower San Pitch	7	42%	76%

May 1, 2015

## Surface Water Supply Index

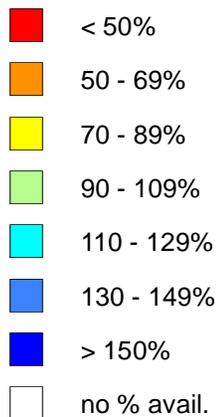
Basin or Region	Apr EOM <sup>*</sup> Storage	MAY-JUL Forecast	Storage + Forecast	Percentile	SWSI <sup>#</sup>	Years with similiar SWSI
	KAF <sup>^</sup>	KAF <sup>^</sup>	KAF <sup>^</sup>	%		
<b>San Pitch</b>	<b>0.00</b>	<b>6.00</b>	<b>6.00</b>	<b>3</b>	<b>-3.94</b>	<b>02, 14, 92, 04</b>

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

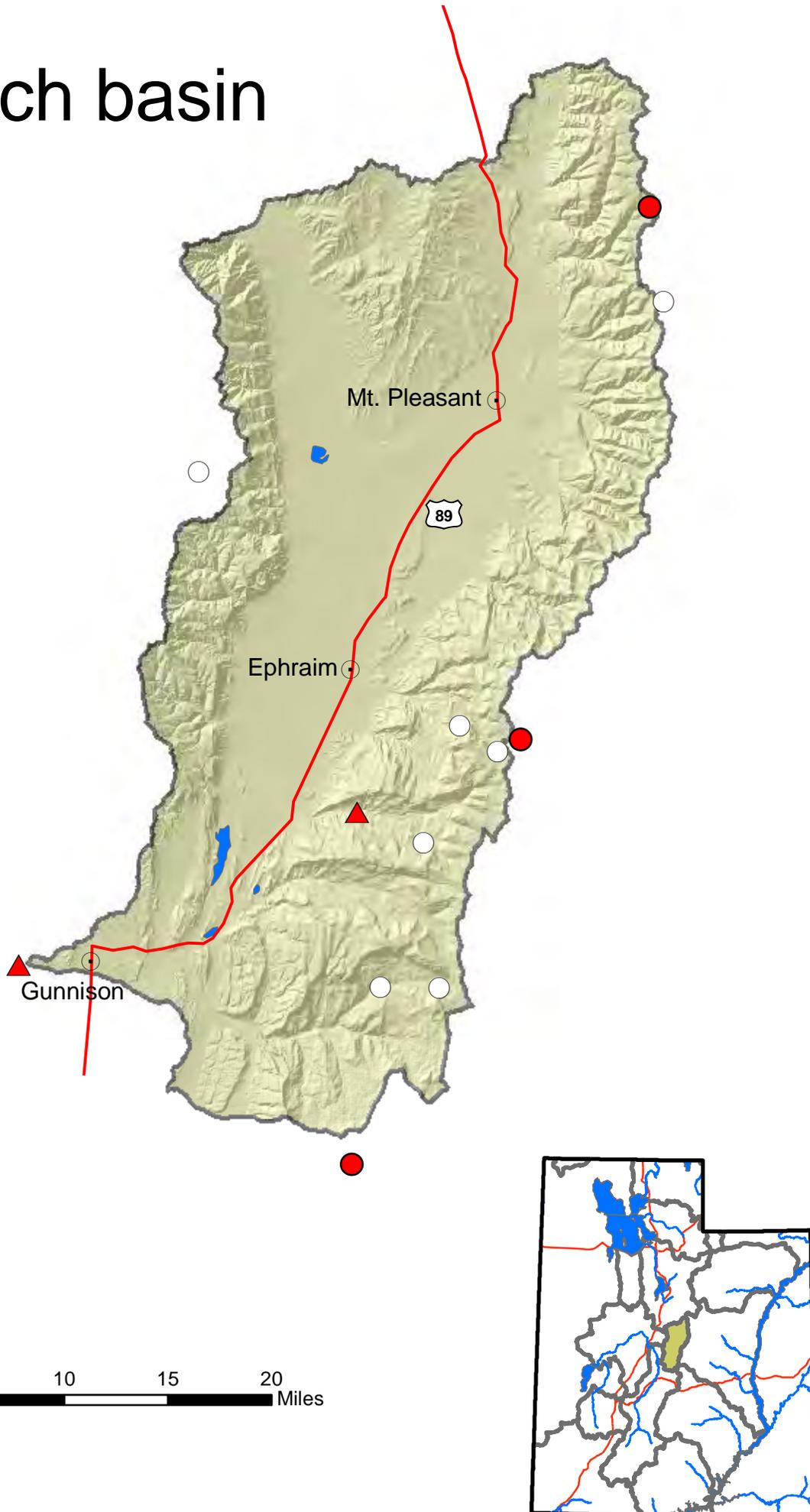


# San Pitch basin

## Percent normal



- SNOTEL sites
- △ Forecast points
- Rivers
- Highways
- ⊙ Cities

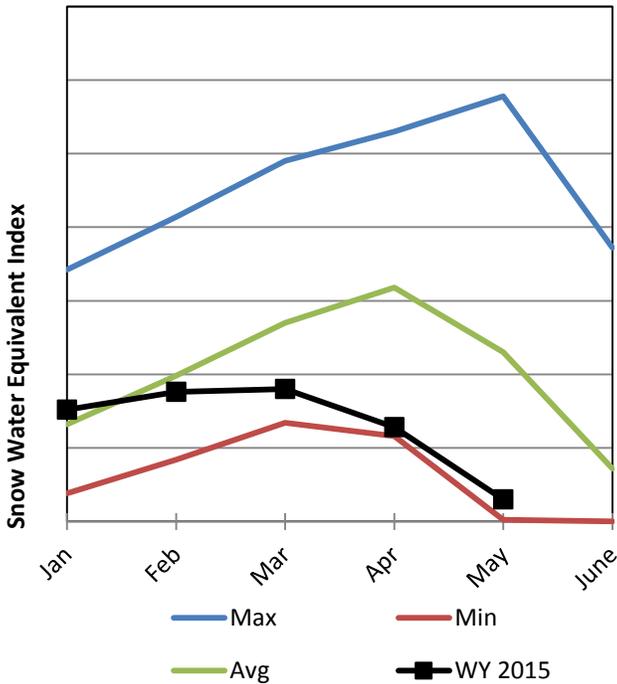


# Price & San Rafael Basins

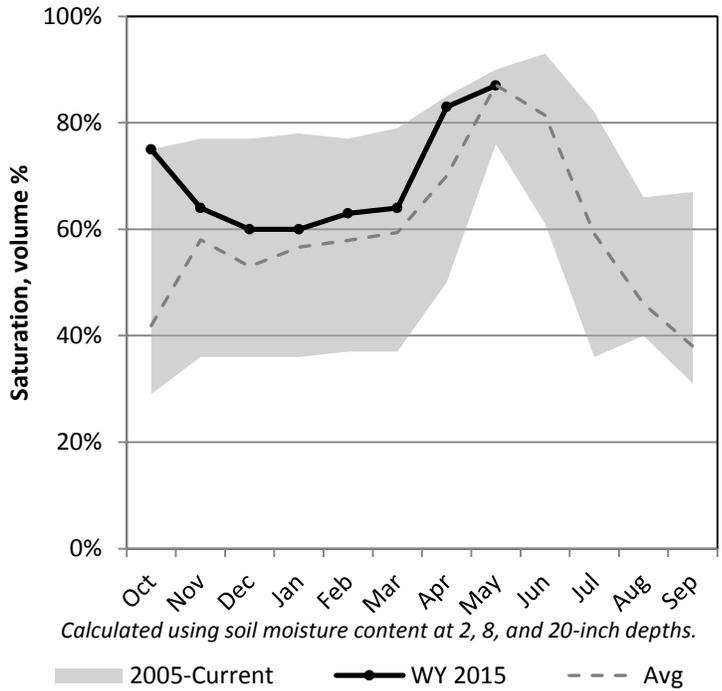
5/1/2015

Snowpack in the Price & San Rafael Basins is much below normal at 13% of normal, compared to 74% last year. Precipitation in April was below average at 76%, which brings the seasonal accumulation (Oct-Apr) to 65% of average. Soil moisture is at 87% compared to 76% last year. Reservoir storage is at 59% of capacity, compared to 49% last year. Forecast streamflow volumes range from 9% to 42% of average. The surface water supply index is 14% for the Price River, 3% for Joe's Valley, 6% for Ferron Creek.

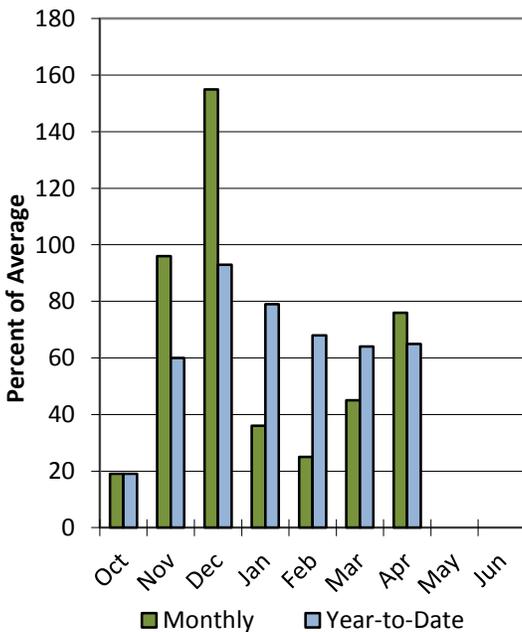
## Snowpack



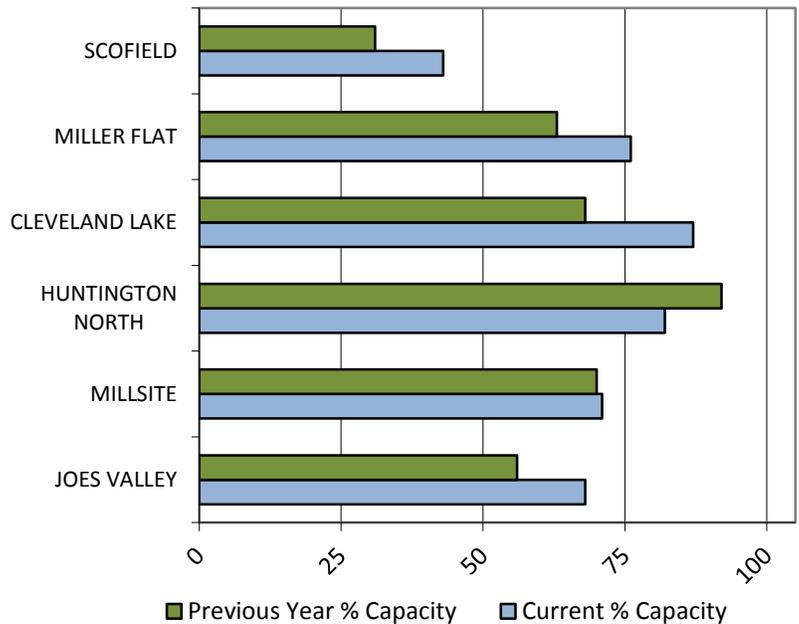
## Soil Moisture



## Precipitation



## Reservoir Storage



**Price San Rafael  
Streamflow Forecasts - May 1, 2015**

Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast
---

Price San Rafael	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Fish Ck ab Reservoir nr Scofield	APR-JUL	4.4	6.1	7.6	25%	9.3	12.4	30
	MAY-JUL	1.8	3.5	5	19%	6.7	9.8	26
Price R nr Scofield Reservoir <sup>2</sup>	APR-JUL	5.2	7.5	9.7	24%	12.3	17.1	41
	MAY-JUL	1.61	3.9	6.1	17%	8.7	13.5	35
White R bl Tabbyune Creek	APR-JUL	0.67	0.98	1.34	9%	1.81	2.7	15.5
	MAY-JUL	0.08	0.39	0.75	6%	1.22	2.1	11.9
Green R at Green River, UT <sup>2</sup>	APR-JUL	890	1090	1240	42%	1400	1670	2960
	MAY-JUL	560	760	910	36%	1070	1340	2540
Electric Lake Inflow <sup>2</sup>	APR-JUL	2.3	3	3.6	27%	4.2	5.4	13.3
	MAY-JUL	1.17	1.89	2.5	21%	3.1	4.3	11.8
Huntington Ck nr Huntington <sup>2</sup>	APR-JUL	9.1	11.4	13.2	33%	15.1	18.3	40
	MAY-JUL	6.4	8.7	10.5	28%	12.4	15.6	37
Joes Valley Reservoir Inflow <sup>2</sup>	APR-JUL	12.2	16.1	19.2	34%	23	28	56
	MAY-JUL	9	12.9	16	31%	19.4	25	52
Ferron Ck (Upper Station) nr Ferron	APR-JUL	9	10.8	12.1	32%	13.5	15.8	38
	MAY-JUL	6.9	8.7	10	29%	11.4	13.7	35

- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

Reservoir Storage End of April, 2015	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Joes Valley Reservoir	42.0	34.4	40.1	61.6
Millsite	11.8	11.6	11.2	16.7
Huntington North Reservoir	3.5	3.9	3.9	4.2
Cleveland Lake	4.7	3.7		5.4
Miller Flat Reservoir	4.0	3.3		5.2
Scofield Reservoir	28.0	20.7	33.2	65.8
Basin-wide Total	85.3	70.5	88.4	148.3
# of reservoirs	4	4	4	4

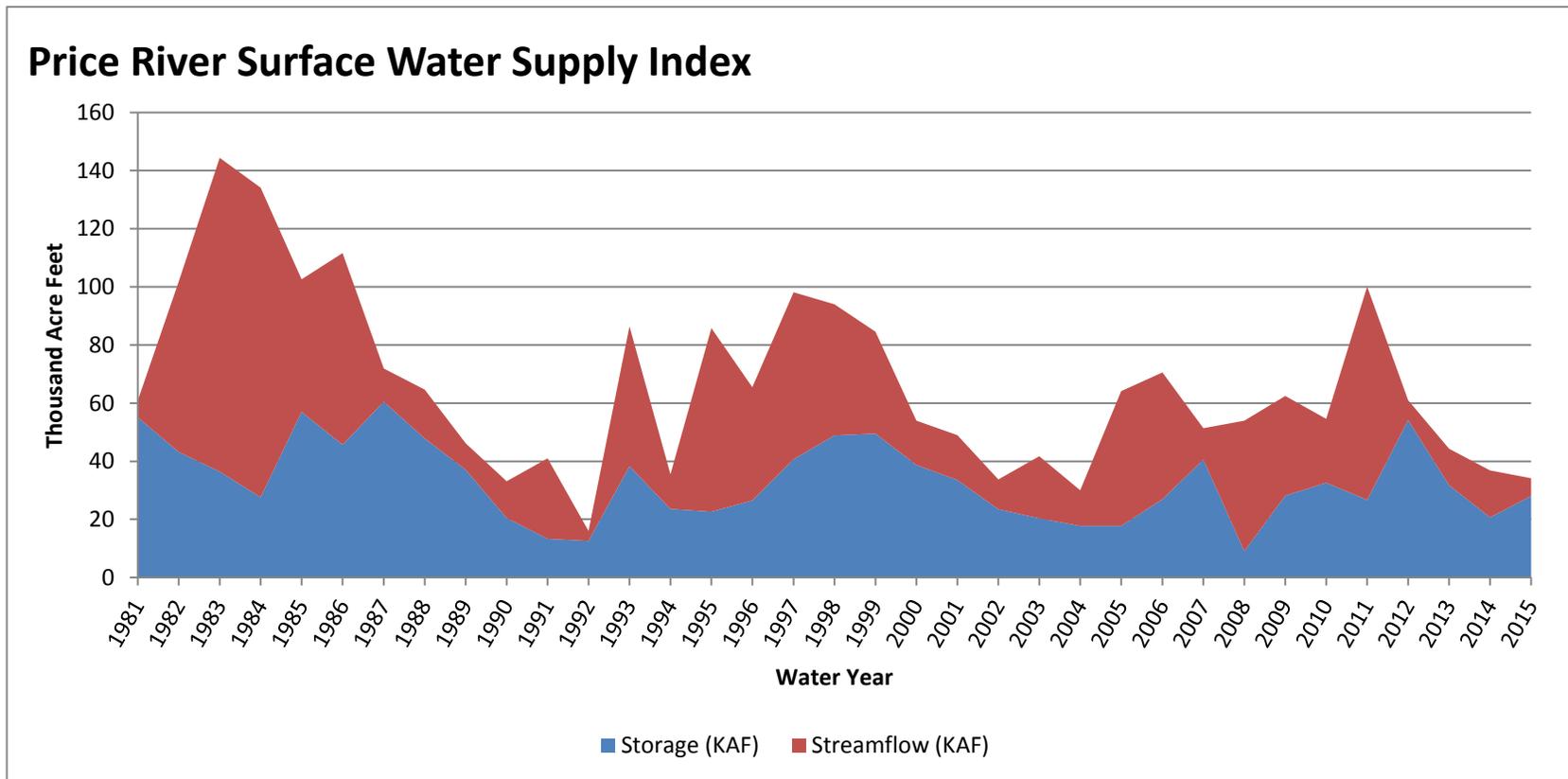
Watershed Snowpack Analysis May 1, 2015	# of Sites	% Median	Last Year % Median
Price	6	1%	63%
San Rafael	7	36%	73%

May 1, 2015

## Surface Water Supply Index

Basin or Region	Apr EOM <sup>*</sup> Storage	MAY-JUL Forecast	Storage + Forecast	Percentile	SWSI <sup>#</sup>	Years with similiar SWSI
	KAF <sup>^</sup>	KAF <sup>^</sup>	KAF <sup>^</sup>	%		
<b>Price River</b>	<b>28.02</b>	<b>6.10</b>	<b>34.12</b>	<b>14</b>	<b>-3.01</b>	<b>90, 02, 94, 14</b>

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

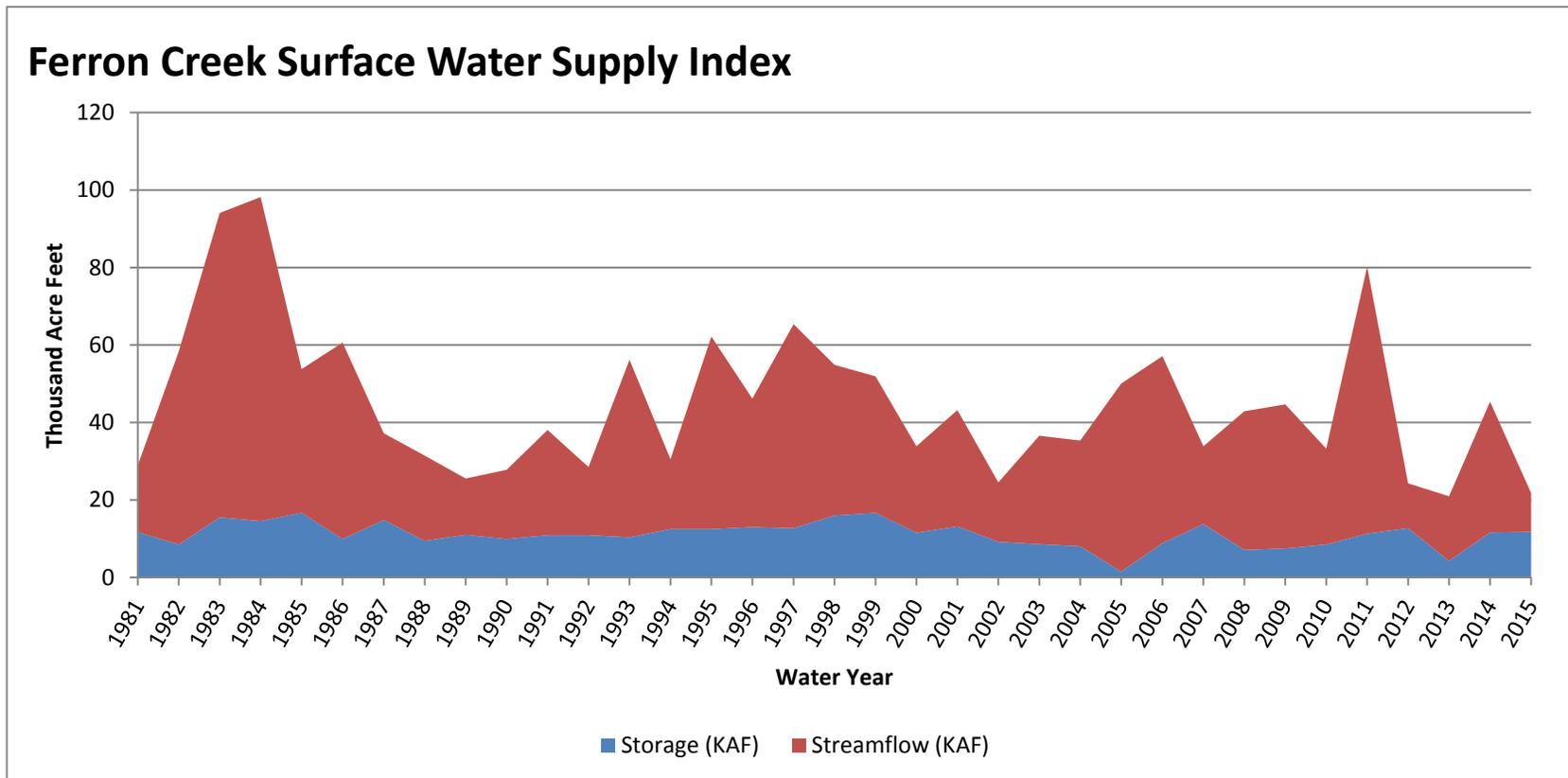


May 1, 2015

## Surface Water Supply Index

Basin or Region	Apr EOM <sup>*</sup> Storage	MAY-JUL Forecast	Storage + Forecast	Percentile	SWSI <sup>#</sup>	Years with similiar SWSI
	KAF <sup>^</sup>	KAF <sup>^</sup>	KAF <sup>^</sup>	%		
<b>Ferron Creek</b>	<b>11.78</b>	<b>10.00</b>	<b>21.78</b>	<b>6</b>	<b>-3.7</b>	<b>13, 12, 02, 89</b>

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

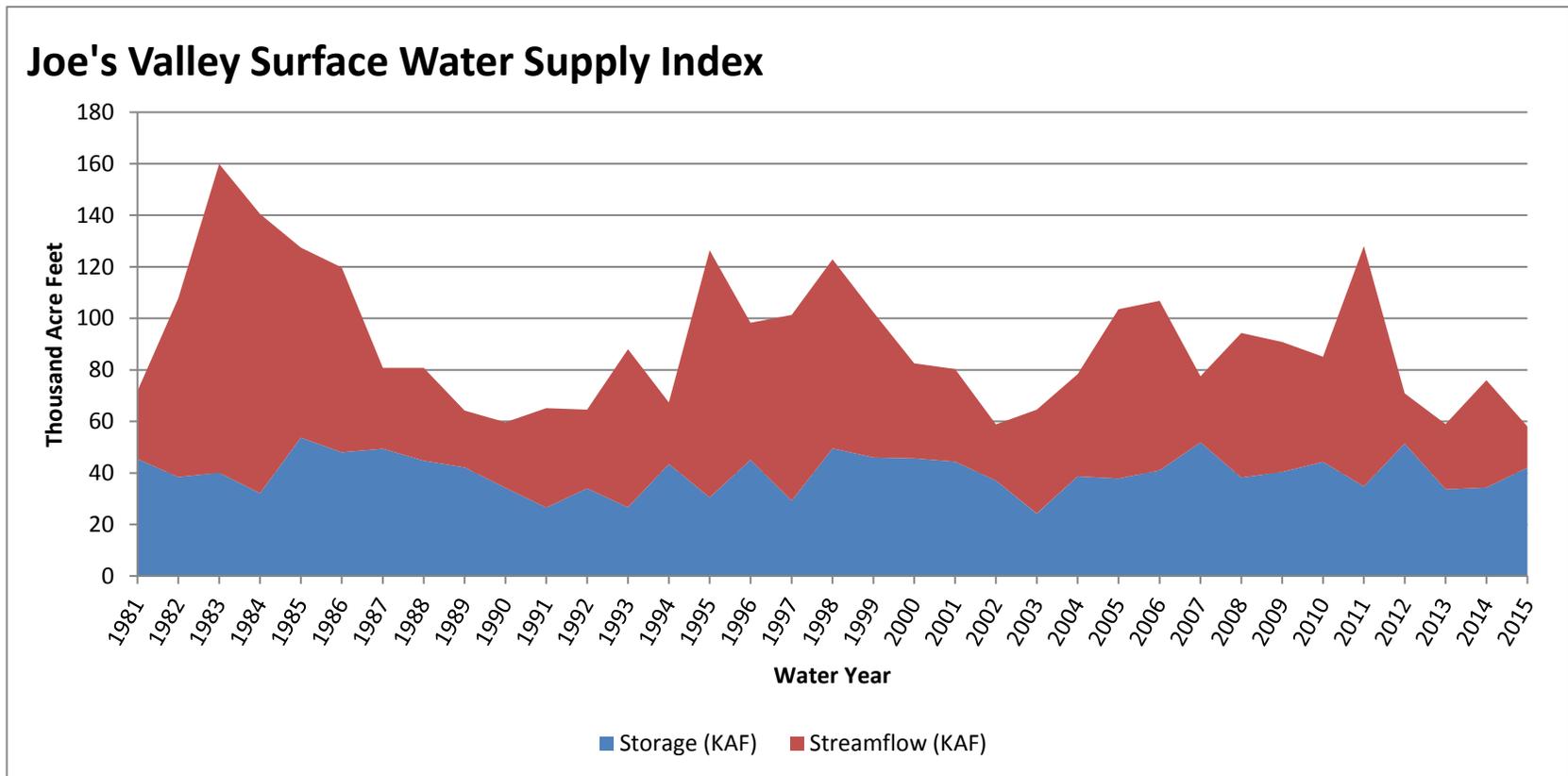


May 1, 2015

## Surface Water Supply Index

Basin or Region	Apr EOM <sup>*</sup> Storage	MAY-JUL Forecast	Storage + Forecast	Percentile	SWSI <sup>#</sup>	Years with similar SWSI
	KAF <sup>^</sup>	KAF <sup>^</sup>	KAF <sup>^</sup>	%		
<b>Joe's Valley</b>	<b>42.02</b>	<b>16.00</b>	<b>58.02</b>	<b>3</b>	<b>-3.94</b>	<b>02, 13, 90, 89</b>

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



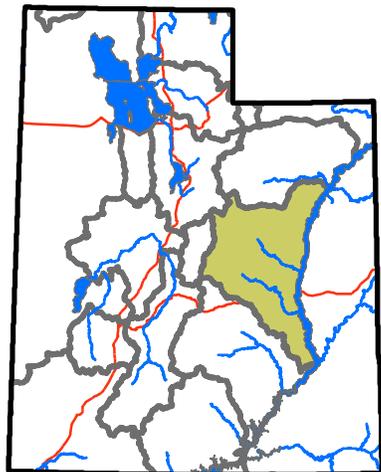
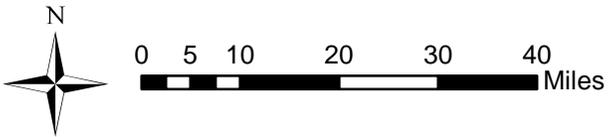
# Price-San Rafael basin



## Percent normal

- < 50%
- 50 - 69%
- 70 - 89%
- 90 - 109%
- 110 - 129%
- 130 - 149%
- > 150%
- no % avail.

- SNOTEL sites
- Forecast points
- Rivers
- Highways
- Cities

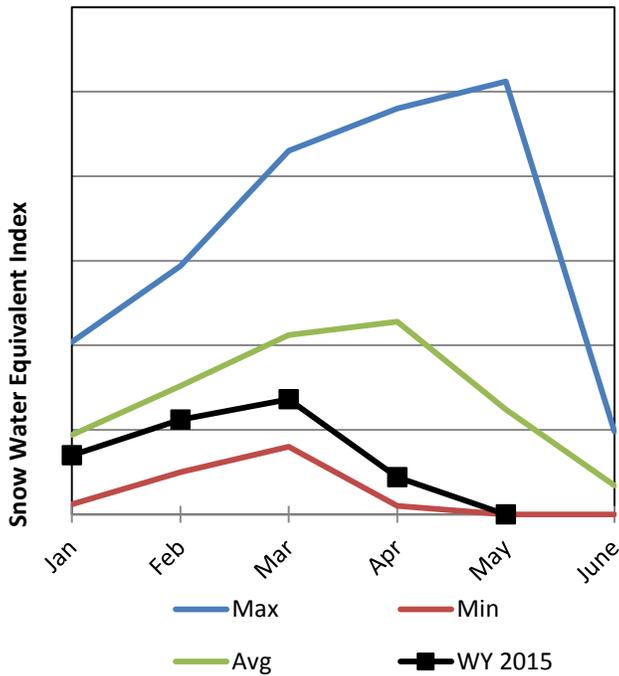


# Southeastern Utah Basin

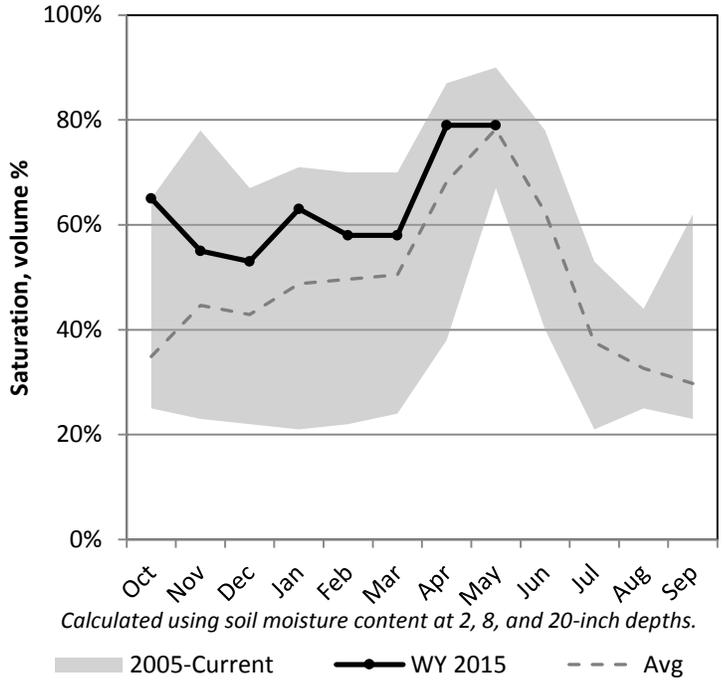
5/1/2015

Snowpack in the Southeastern Utah Basin is much below normal at 0% of normal, compared to 27% last year. Precipitation in April was below average at 89%, which brings the seasonal accumulation (Oct-Apr) to 70% of average. Soil moisture is at 79% compared to 74% last year. Reservoir storage is at 57% of capacity, compared to 56% last year. Forecast streamflow volumes range from 18% to 55% of average. The surface water supply index is 21% for Moab.

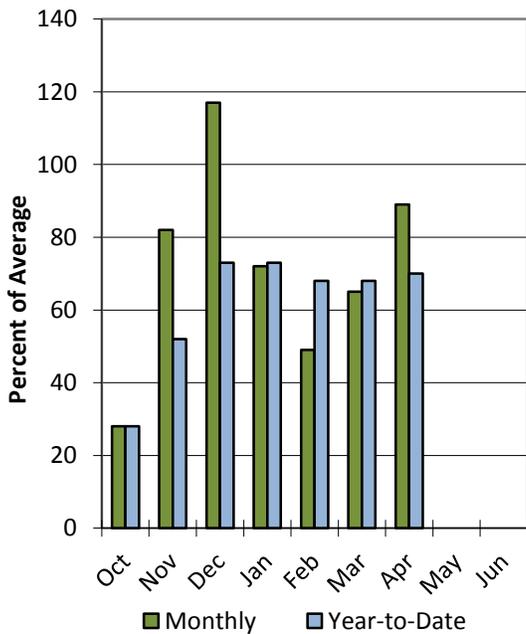
## Snowpack



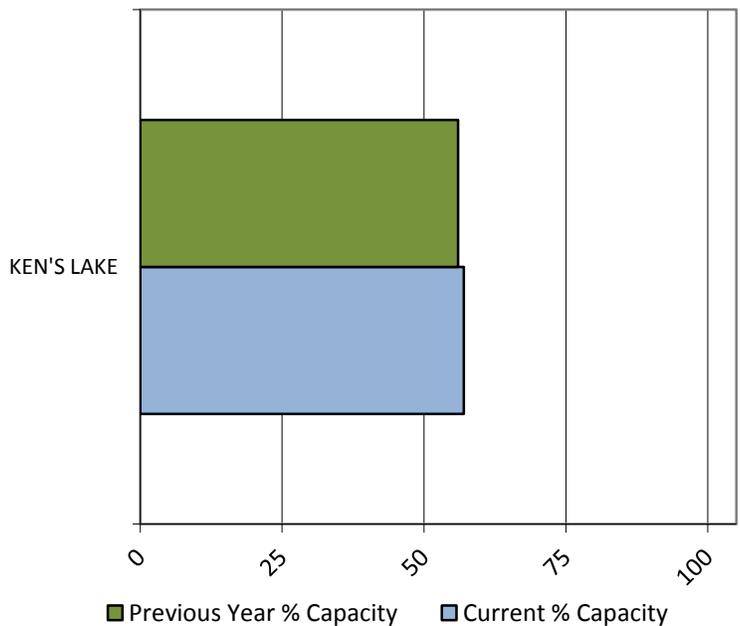
## Soil Moisture



## Precipitation



## Reservoir Storage



## Southeastern Utah Streamflow Forecasts - May 1, 2015

Forecast Exceedance Probabilities for Risk Assessment  
Chance that actual volume will exceed forecast

Southeastern Utah	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Mill Ck at Sheley Tunnel nr Moab	APR-JUL	1.23	1.67	2	47%	2.4	3.1	4.3
	MAY-JUL	0.81	1.25	1.61	44%	2	2.7	3.7
South Ck ab Resv nr Monticello	MAR-JUL	0.083	0.143	0.193	18%	0.27	0.43	1.09
	MAY-JUL	0.04	0.1	0.15	22%	0.23	0.39	0.69
Colorado R nr Cisco <sup>2</sup>	APR-JUL	1830	2130	2350	55%	2580	2950	4280
	MAY-JUL	1460	1760	1980	53%	2210	2580	3720
San Juan R near Bluff <sup>2</sup>	APR-JUL	188	235	275	25%	315	385	1100
	MAY-JUL	88	135	173	20%	215	285	855

- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

Reservoir Storage End of April, 2015	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Ken's Lake	1.3	1.3	1.5	2.3
Basin-wide Total	1.3	1.3	1.5	2.3
# of reservoirs	1	1	1	1

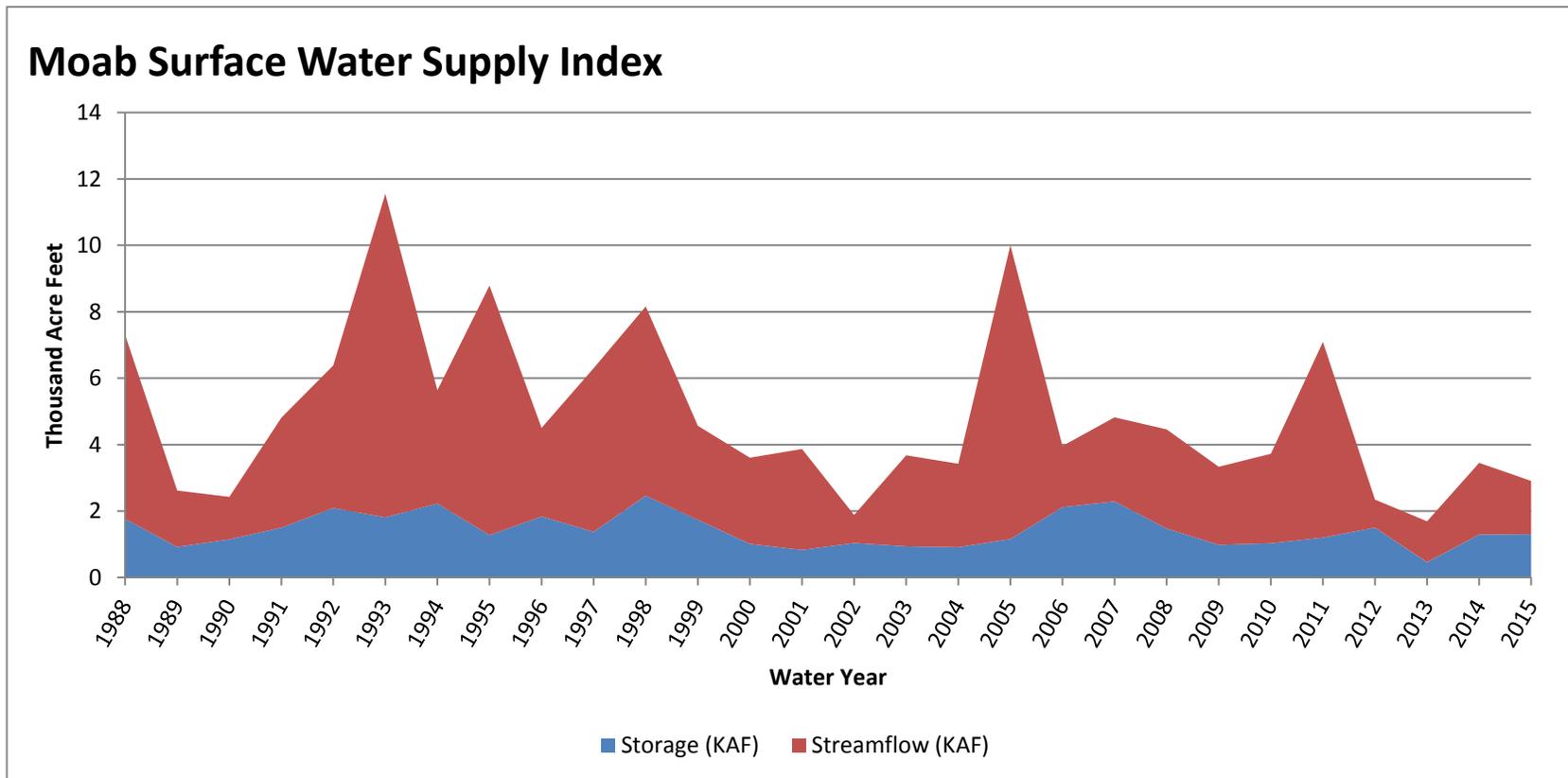
Watershed Snowpack Analysis May 1, 2015	# of Sites	% Median	Last Year % Median
Lasal Mtns	1	0%	32%
Lower San Juan	1	0%	0%
Lower Green	2	0%	33%

May 1, 2015

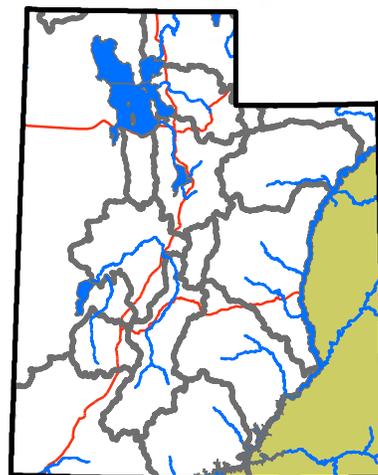
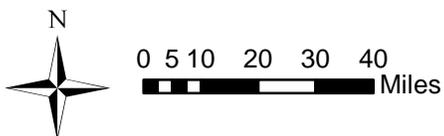
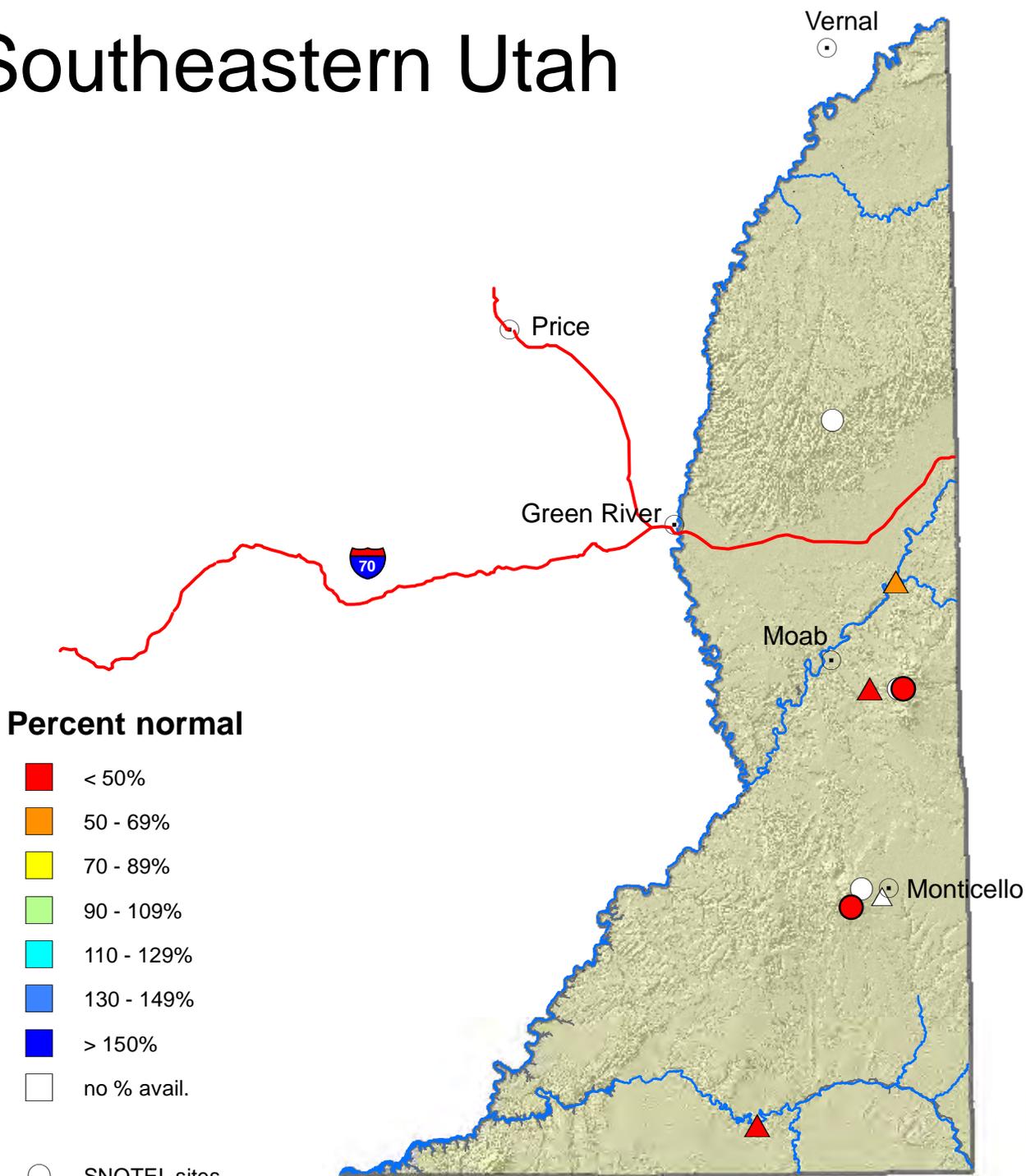
## Surface Water Supply Index

Basin or Region	Apr EOM <sup>*</sup> Storage	MAY-JUL Forecast	Storage + Forecast	Percentile	SWSI <sup>#</sup>	Years with similar SWSI
	KAF <sup>^</sup>	KAF <sup>^</sup>	KAF <sup>^</sup>	%		
<b>Moab</b>	<b>1.30</b>	<b>1.61</b>	<b>2.91</b>	<b>21</b>	<b>-2.44</b>	<b>90, 89, 09, 04</b>

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



# Southeastern Utah

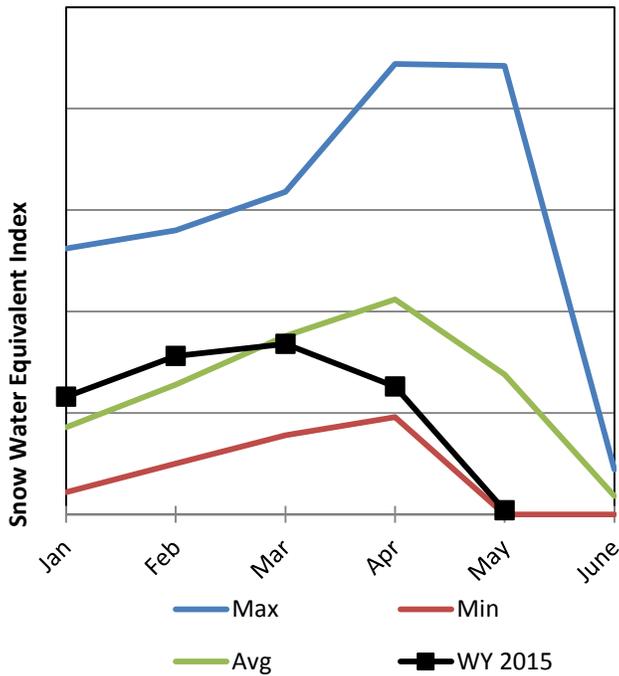


# Dirty Devil Basin

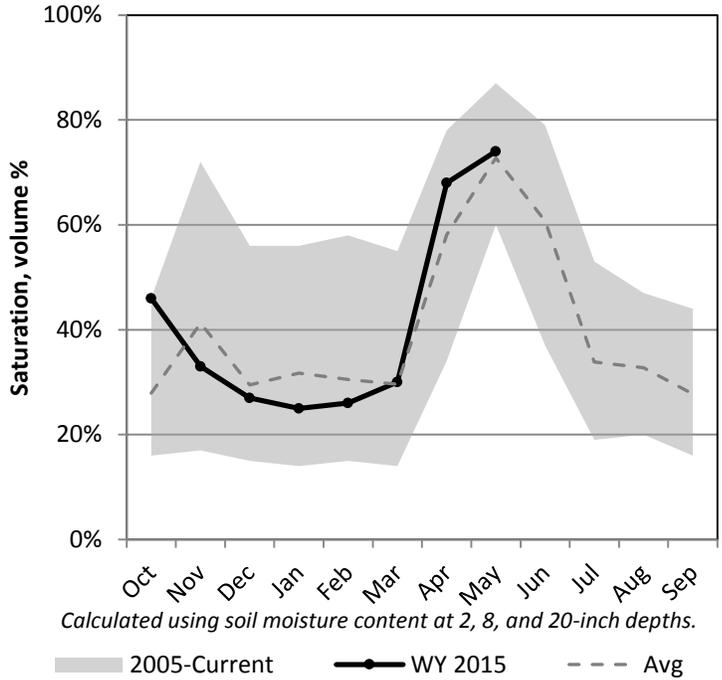
5/1/2015

Snowpack in the Dirty Devil Basin is much below normal at 4% of normal, compared to 22% last year. Precipitation in April was near average at 91%, which brings the seasonal accumulation (Oct-Apr) to 82% of average. Soil moisture is at 74% compared to 65% last year. Forecast streamflow volumes range from 42% to 48% of average.

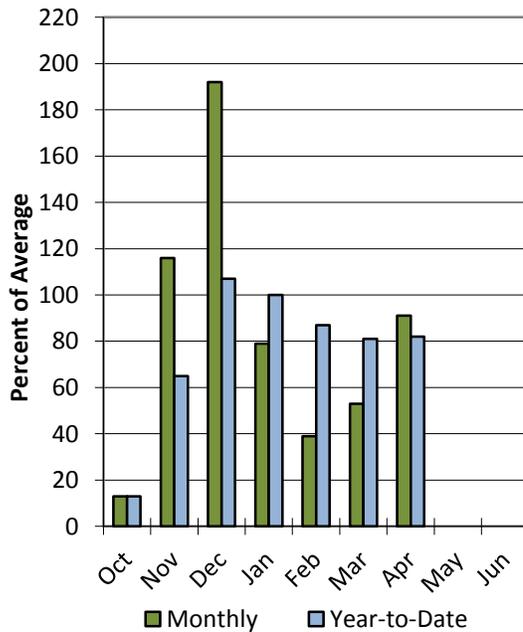
## Snowpack



## Soil Moisture



## Precipitation



## Dirty Devil Streamflow Forecasts - May 1, 2015

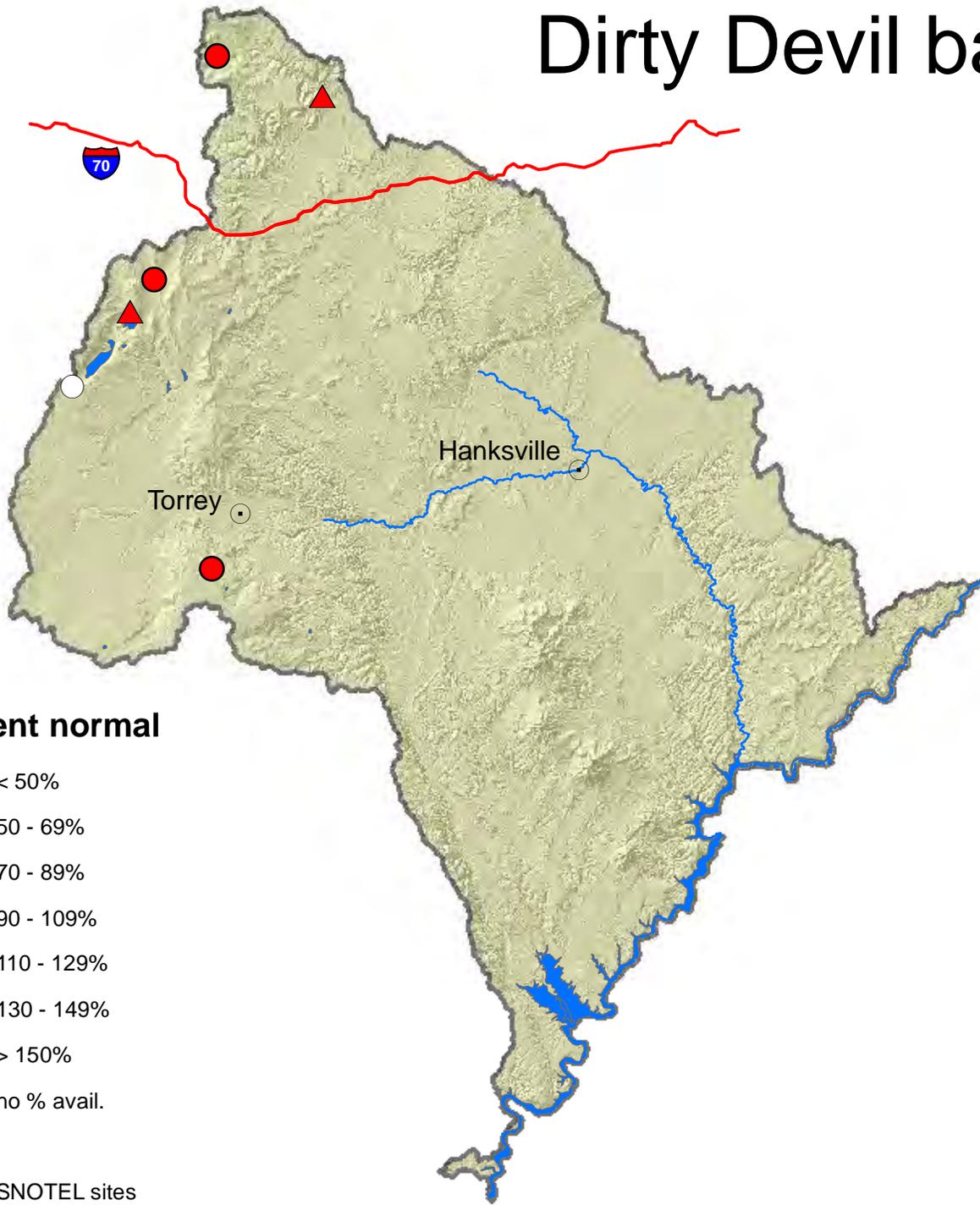
Forecast Exceedance Probabilities for Risk Assessment  
Chance that actual volume will exceed forecast

Dirty Devil	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Muddy Ck nr Emery	APR-JUL	4.7	6.7	8.3	42%	10.1	13.3	19.9
	MAY-JUL	3.4	5.4	7	39%	8.8	12	18.1
Seven Mile Ck nr Fish Lake	APR-JUL	2.4	3	3.5	48%	4	4.8	7.3
	MAY-JUL	1.18	1.75	2.2	35%	2.7	3.5	6.3

- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

Watershed Snowpack Analysis May 1, 2015	# of Sites	% Median	Last Year % Median
Muddy	3	12%	67%
Fremont	3	57%	64%

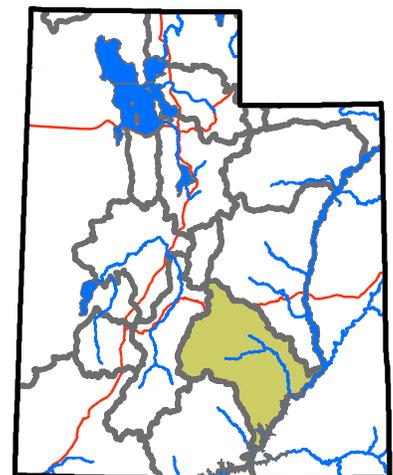
# Dirty Devil basin



## Percent normal



- SNOTEL sites
- Forecast points
- Rivers
- Highways
- Cities

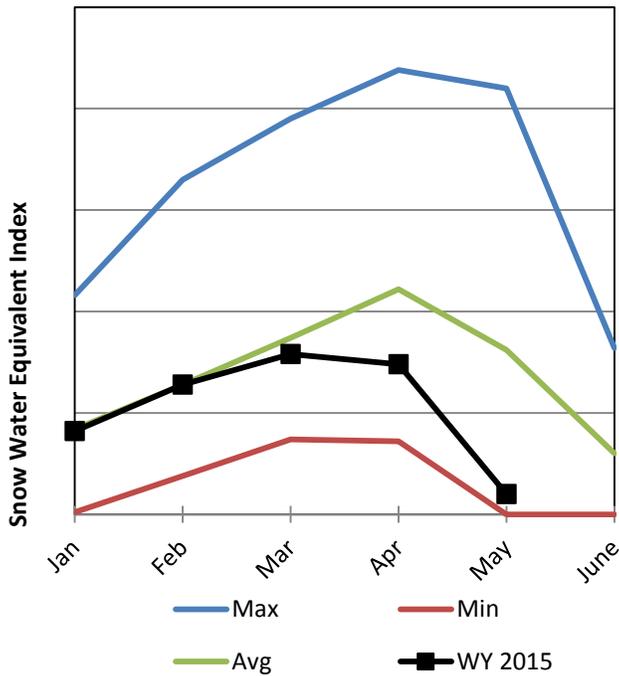


# Escalante River Basin

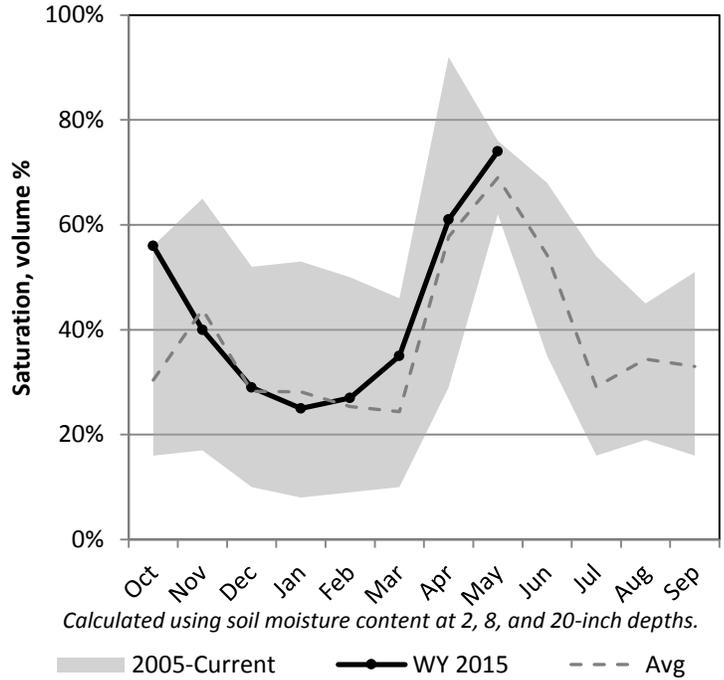
5/1/2015

Snowpack in the Escalante River Basin is much below normal at 21% of normal, compared to 45% last year. Precipitation in April was below average at 82%, which brings the seasonal accumulation (Oct-Apr) to 76% of average. Soil moisture is at 74% compared to 70% last year. The forecast streamflow volume for Pine Creek is 48% of average.

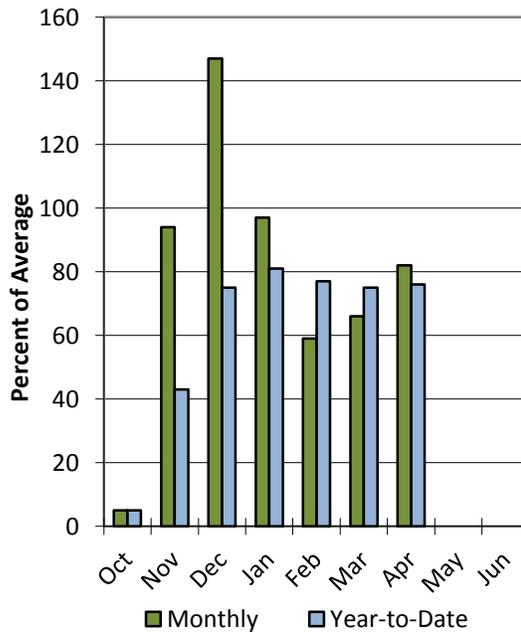
## Snowpack



## Soil Moisture



## Precipitation



### Escalante River Streamflow Forecasts - May 1, 2015

Forecast Exceedance Probabilities for Risk Assessment  
Chance that actual volume will exceed forecast

Escalante River	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Pine Ck nr Escalante	APR-JUL	0.53	0.86	1.14	48%	1.47	2.1	2.4
	MAY-JUL	0.34	0.67	0.95	51%	1.28	1.86	1.86

- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

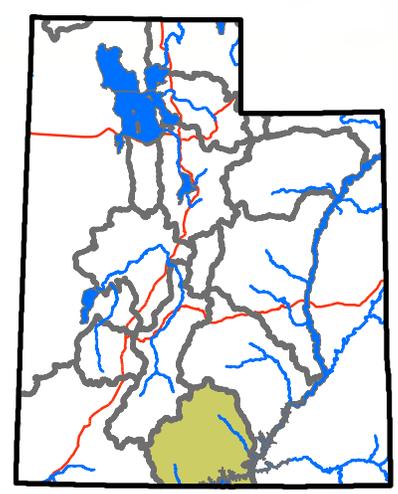
Watershed Snowpack Analysis May 1, 2015	# of Sites	% Median	Last Year % Median
Escalante	3	21%	45%
Paria	2	31%	50%

# Escalante basin



## Percent normal

- |   |   |
|---|---|
| <span style="display:inline-block; width:15px; height:15px; background-color:red; border:1px solid black;"></span> < 50%            | <span style="display:inline-block; width:15px; height:15px; border:1px solid black; border-radius:50%;"></span> SNOTEL sites    |
| <span style="display:inline-block; width:15px; height:15px; background-color:orange; border:1px solid black;"></span> 50 - 69%      | <span style="display:inline-block; width:15px; height:15px; border:1px solid black; border-radius:50%;"></span> Forecast points |
| <span style="display:inline-block; width:15px; height:15px; background-color:yellow; border:1px solid black;"></span> 70 - 89%      | <span style="display:inline-block; width:15px; height:15px; border-bottom:2px solid blue;"></span> Rivers                       |
| <span style="display:inline-block; width:15px; height:15px; background-color:lightgreen; border:1px solid black;"></span> 90 - 109% | <span style="display:inline-block; width:15px; height:15px; border-bottom:2px solid red;"></span> Highways                      |
| <span style="display:inline-block; width:15px; height:15px; background-color:cyan; border:1px solid black;"></span> 110 - 129%      | <span style="display:inline-block; width:15px; height:15px; border:1px solid black; border-radius:50%;"></span> Cities          |
| <span style="display:inline-block; width:15px; height:15px; background-color:blue; border:1px solid black;"></span> 130 - 149%      |   |
| <span style="display:inline-block; width:15px; height:15px; background-color:darkblue; border:1px solid black;"></span> > 150%      |   |
| <span style="display:inline-block; width:15px; height:15px; border:1px solid black;"></span> no % avail.                            |   |

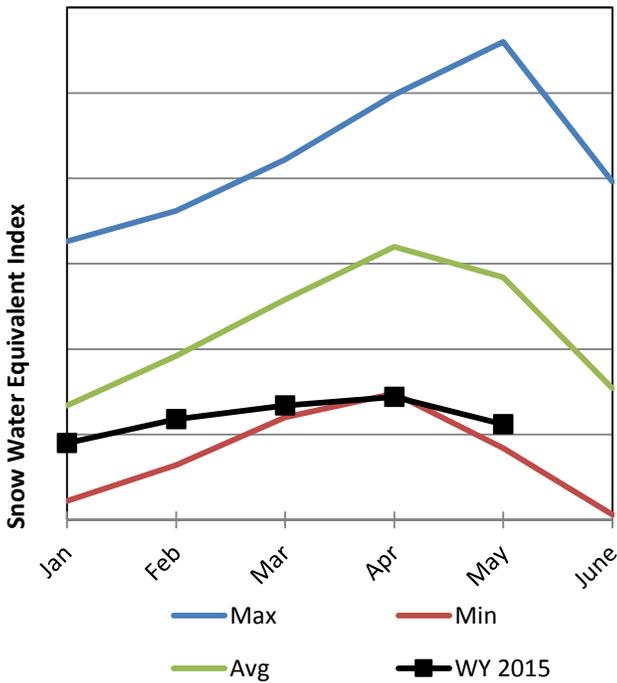


# Beaver River Basin

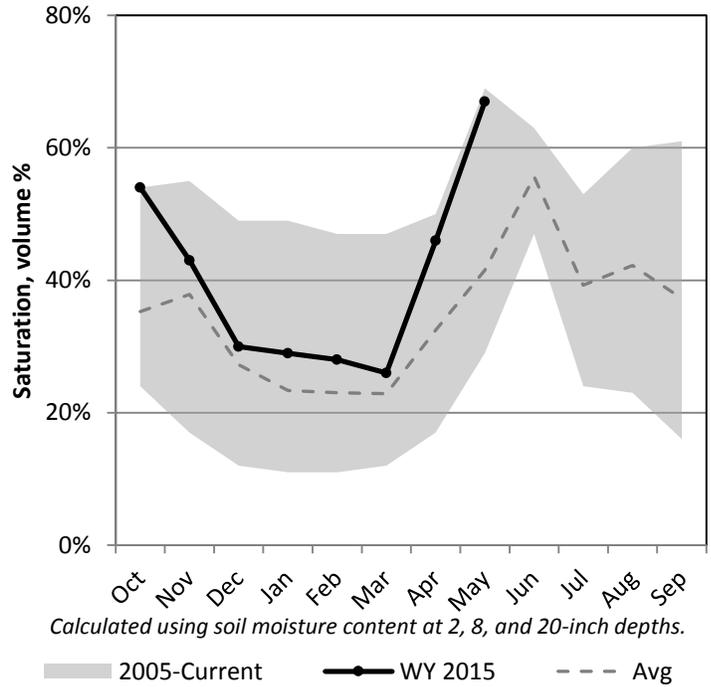
5/1/2015

Snowpack in the Beaver River Basin is much below normal at 44% of normal, compared to 79% last year. Precipitation in April was below average at 81%, which brings the seasonal accumulation (Oct-Apr) to 59% of average. Soil moisture is at 67% compared to 63% last year. Reservoir storage is at 46% of capacity, compared to 49% last year. The forecast streamflow volume for the Beaver River is 30% of average. The surface water supply index is 6% for the Beaver River.

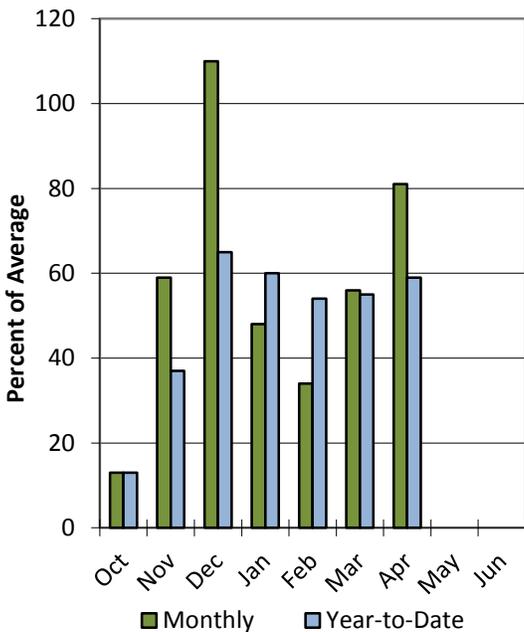
## Snowpack



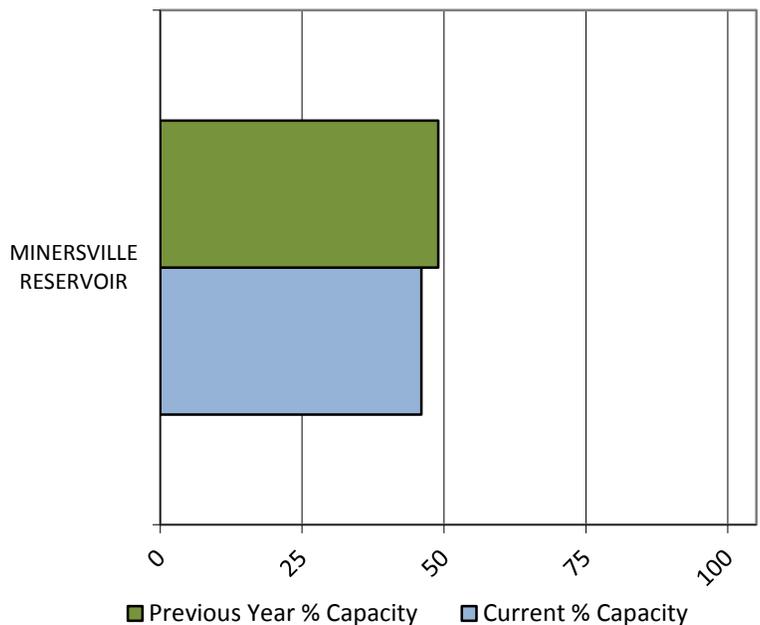
## Soil Moisture



## Precipitation



## Reservoir Storage



### Beaver River Streamflow Forecasts - May 1, 2015

Forecast Exceedance Probabilities for Risk Assessment  
Chance that actual volume will exceed forecast

Beaver River	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Beaver R nr Beaver	APR-JUL	0.52	3.1	7.9	30%	12.7	19.7	26
	MAY-JUL	0.23	0.62	6	26%	11.4	19.3	23

- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

Reservoir Storage End of April, 2015	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Minersville Reservoir	10.7	11.3	16.5	23.3
Basin-wide Total	10.7	11.3	16.5	23.3
# of reservoirs	1	1	1	1

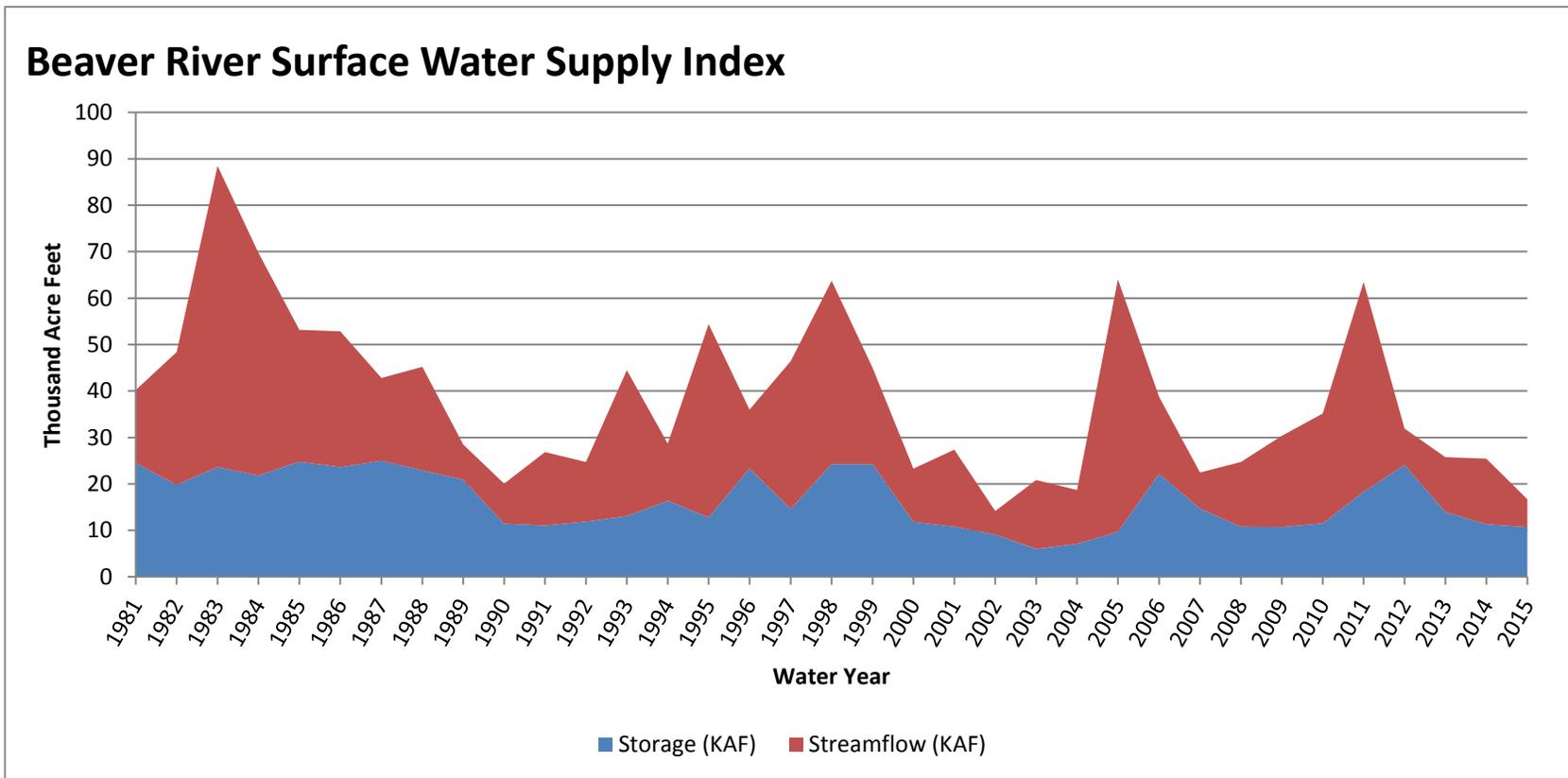
Watershed Snowpack Analysis May 1, 2015	# of Sites	% Median	Last Year % Median
Beaver	3	30%	68%

May 1, 2015

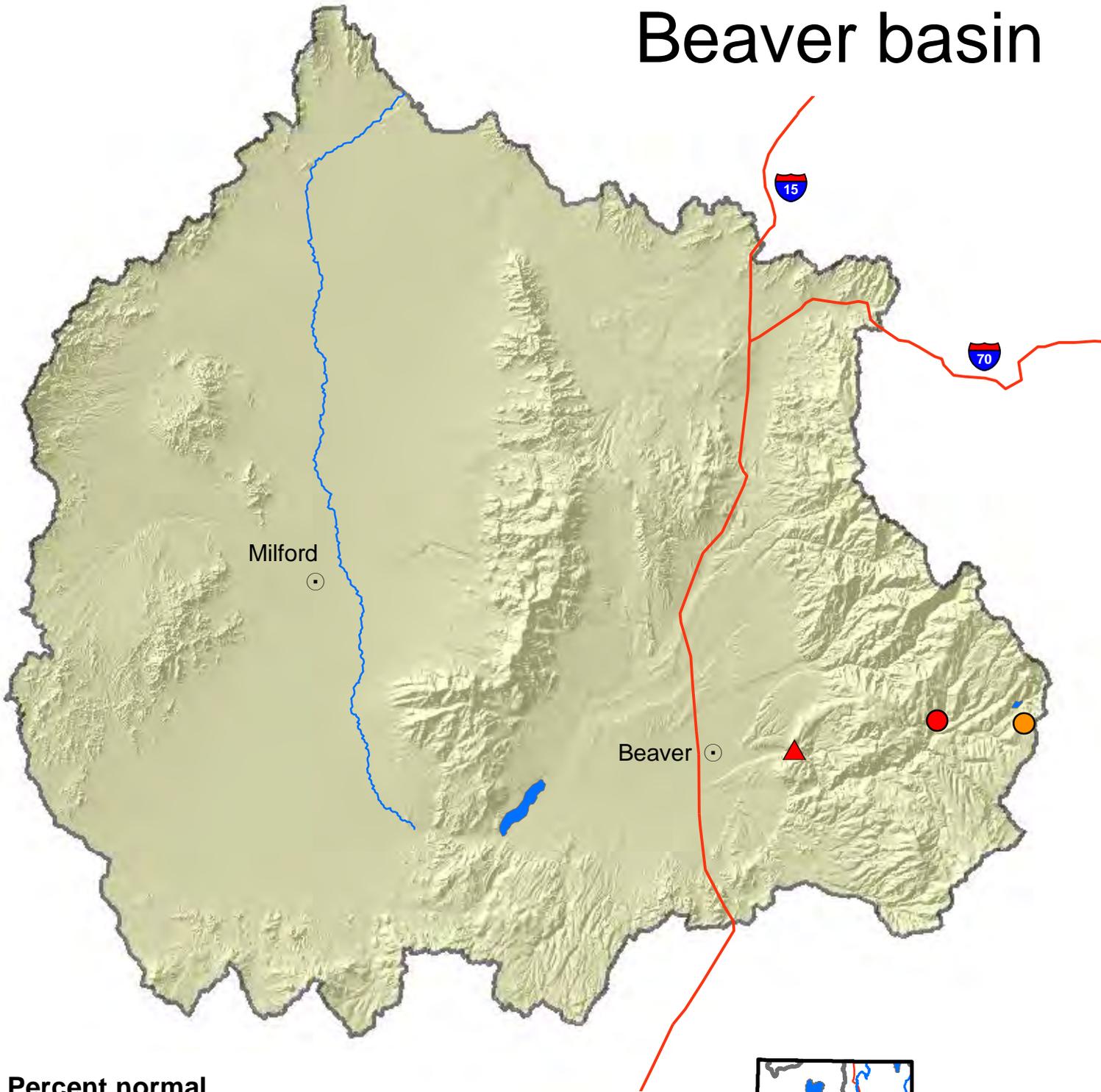
## Surface Water Supply Index

Basin or Region	Apr EOM <sup>*</sup> Storage	MAY-JUL Forecast	Storage + Forecast	Percentile	SWSI <sup>#</sup>	Years with similiar SWSI
	KAF <sup>^</sup>	KAF <sup>^</sup>	KAF <sup>^</sup>	%		
<b>Beaver River</b>	<b>10.71</b>	<b>6.00</b>	<b>16.71</b>	<b>6</b>	<b>-3.7</b>	<b>02, 04, 90, 03</b>

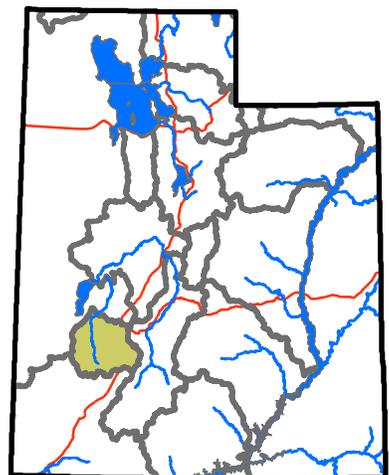
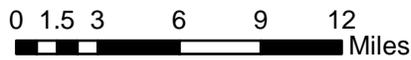
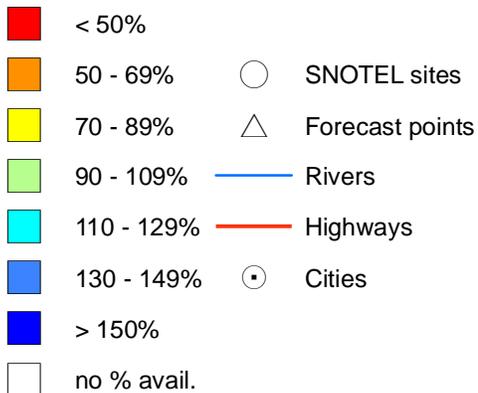
<sup>\*</sup>EOM, end of month; <sup>#</sup>SWSI, Surface Water Supply Index; <sup>^</sup>KAF, thousand acre-feet.



# Beaver basin



## Percent normal

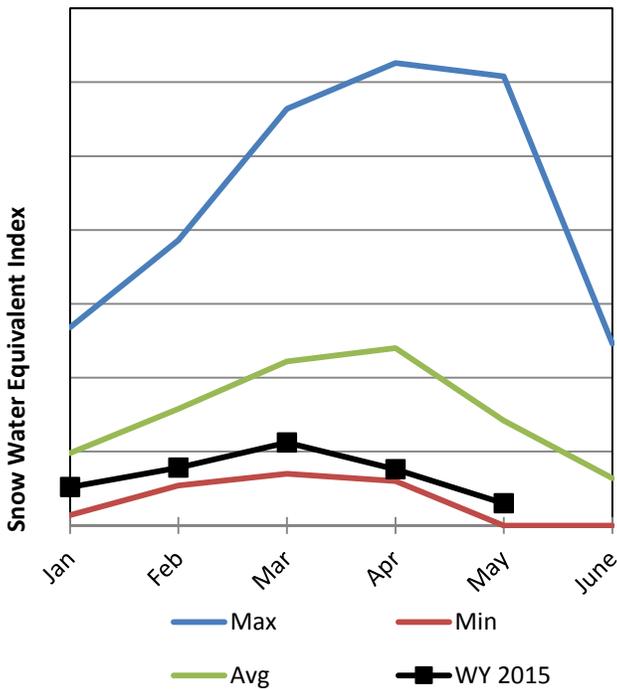


# Southwestern Utah Basin

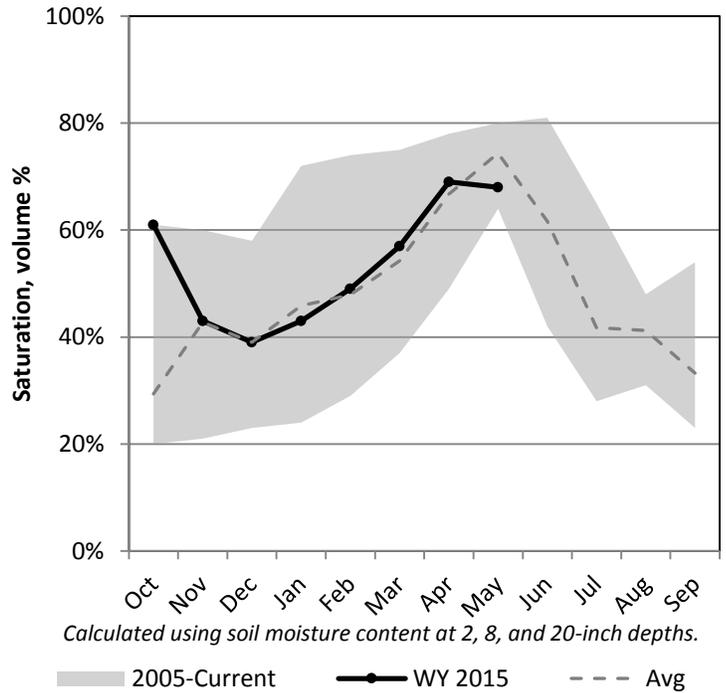
5/1/2015

Snowpack in the Southwestern Utah Basin is much below normal at 38% of normal, compared to 23% last year. Precipitation in April was below average at 72%, which brings the seasonal accumulation (Oct-Apr) to 60% of average. Soil moisture is at 68% compared to 64% last year. Reservoir storage is at 45% of capacity, compared to 40% last year. Forecast streamflow volumes range from 22% to 38% of average. The surface water supply index is 15% for the Virgin River.

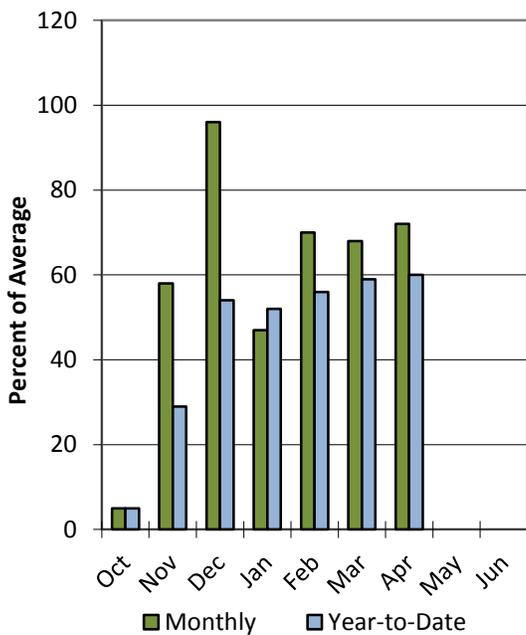
## Snowpack



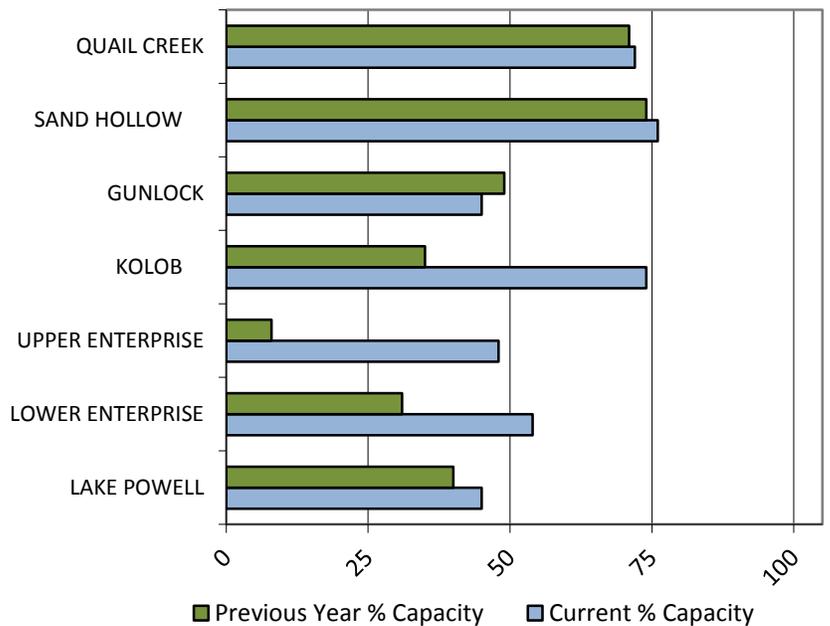
## Soil Moisture



## Precipitation



## Reservoir Storage



## Southwestern Utah Streamflow Forecasts - May 1, 2015

Forecast Exceedance Probabilities for Risk Assessment  
Chance that actual volume will exceed forecast

Southwestern Utah	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Lake Powell Inflow <sup>2</sup>	APR-JUL	1850	2330	2700	38%	3100	3760	7160
	MAY-JUL	1210	1690	2060	34%	2460	3120	6100
Virgin R nr Hurricane	APR-JUL	7.5	11	14	22%	17.5	23	63
	MAY-JUL	4.2	7.7	10.7	26%	14.2	20	41
Virgin R at Virgin	APR-JUL	14.5	17.8	20	34%	23	28	58
	MAY-JUL	8.5	11.8	14.3	38%	17	22	38
Santa Clara R nr Pine Valley	APR-JUL	0.66	0.9	1.1	22%	1.34	1.75	5
	MAY-JUL	0.26	0.5	0.7	18%	0.94	1.35	4
Coal Ck nr Cedar City	APR-JUL	1.67	3.5	4.8	26%	6.1	7.9	18.6
	MAY-JUL	2.5	5	6.7	45%	8.4	10.9	14.9

- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

Reservoir Storage End of April, 2015	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Lake Powell	10845.9	9756.0	17123.0	24322.0
Lower Enterprise	1.4	0.8	1.4	2.6
Upper Enterprise	4.8	0.8	5.0	10.0
Kolob Reservoir	4.2	2.0		5.6
Gunlock	4.7	5.1	6.8	10.4
Sand Hollow Reservoir	37.9	37.1		50.0
Quail Creek	28.9	28.5	31.6	40.0
Basin-wide Total	10885.7	9791.2	17167.8	24385.0
# of reservoirs	5	5	5	5

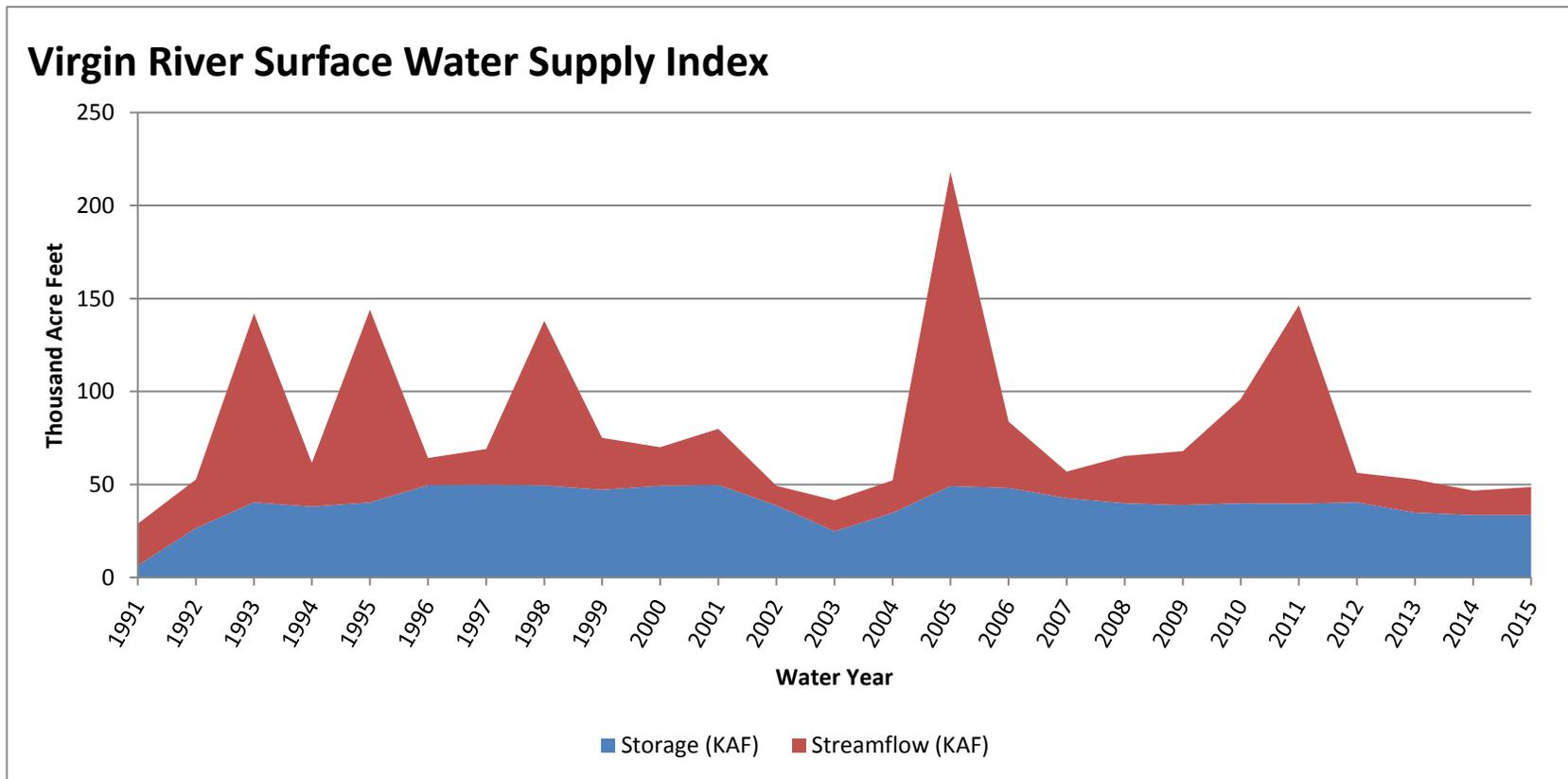
Watershed Snowpack Analysis May 1, 2015	# of Sites	% Median	Last Year % Median
Upper Virgin	8	42%	26%
Lower Virgin	2		
Cedar City Parowan	9	38%	20%

May 1, 2015

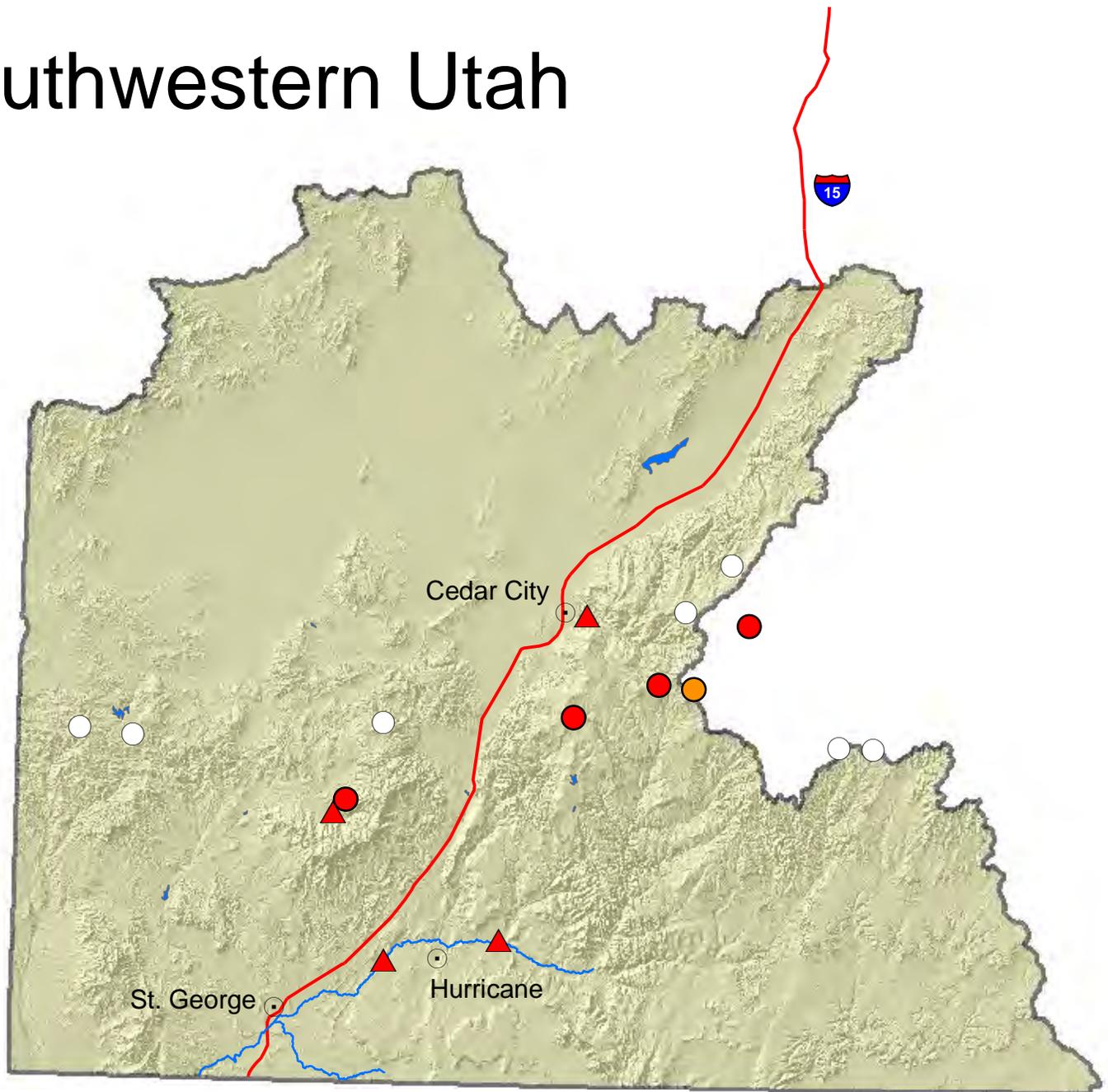
## Surface Water Supply Index

Basin or Region	Apr EOM <sup>*</sup> Storage	MAY-JUL Forecast	Storage + Forecast	Percentile	SWSI <sup>#</sup>	Years with similiar SWSI
	KAF <sup>^</sup>	KAF <sup>^</sup>	KAF <sup>^</sup>	%		
<b>Virgin River</b>	<b>33.59</b>	<b>15.00</b>	<b>48.59</b>	<b>15</b>	<b>-2.88</b>	<b>03, 14, 02, 04</b>

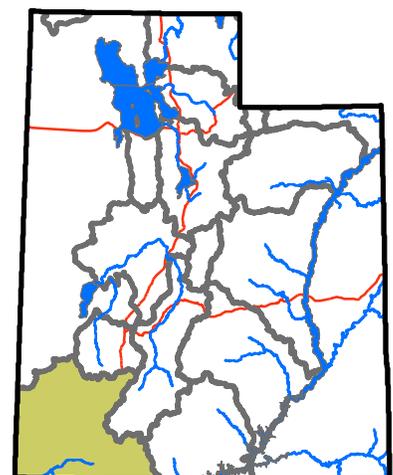
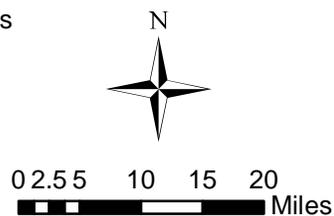
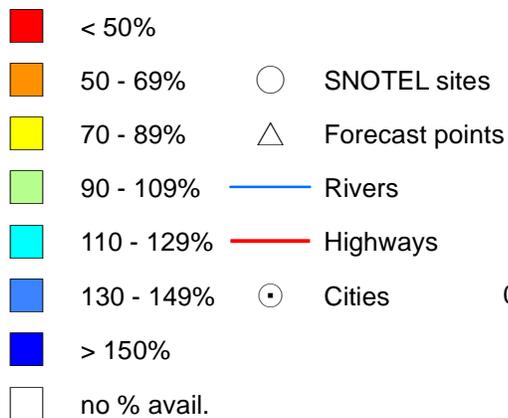
<sup>\*</sup>EOM, end of month; <sup>#</sup>SWSI, Surface Water Supply Index; <sup>^</sup>KAF, thousand acre-feet.



# Southwestern Utah



## Percent normal



May 1, 2015

## Surface Water Supply Index

Basin or Region	Apr EOM <sup>*</sup> Storage KAF <sup>^</sup>	MAY-JUL Forecast KAF <sup>^</sup>	Storage + Forecast KAF <sup>^</sup>	Percentile %	SWSI <sup>#</sup>	Years with similiar SWSI
Bear River	596.7	15.0	611.7	42	-0.69	07, 10, 90, 14
Woodruff Narrows	54.5	28.0	82.5	6	-3.7	02, 01, 04, 13
Little Bear	14.8	2.5	17.3	4	-3.82	13, 04, 01, 03
Ogden River	84.1	10.0	94.1	17	-2.78	87, 13, 81, 90
Weber River	236.4	37.0	273.4	4	-3.87	13, 04, 07, 03
Provo River	912.6	24.0	936.6	9	-3.41	04, 03, 14, 02
Western Uintah	199.1	28.0	227.1	17	-2.78	12, 13, 04, 94
Eastern Uintah	28.2	22.0	50.2	3	-3.94	02, 14, 89, 13
Blacks Fork	30.2	39.0	69.2	21	-2.4	12, 01, 04, 13
Smiths Fork	11.5	14.1	25.6	27	-1.89	89, 03, 06, 93
Price River	28.0	6.1	34.1	14	-3.01	90, 02, 94, 14
Joe's Valley	42.0	16.0	58.0	3	-3.94	02, 13, 90, 89
Ferron Creek	11.8	10.0	21.8	6	-3.7	13, 12, 02, 89
Moab	1.3	1.6	2.9	21	-2.44	90, 89, 09, 04
Upper Sevier	79.4	18.0	97.4	8	-3.47	04, 91, 90, 92
San Pitch	0.0	6.0	6.0	3	-3.94	02, 14, 92, 04
Lower Sevier	106.0	17.0	123.0	11	-3.24	03, 92, 91, 02
Beaver River	10.7	6.0	16.7	6	-3.7	02, 04, 90, 03
Virgin River	33.6	15.0	48.6	15	-2.88	03, 14, 02, 04

<sup>\*</sup>EOM, end of month; <sup>#</sup>SWSI, surface water supply index; <sup>^</sup>KAF, thousand acre-feet.

### What is a Surface Water Supply Index?

The Surface Water Supply Index (SWSI) is a predictive indicator of total surface water availability within a watershed for the spring and summer water use seasons. The index is calculated by combining pre-runoff reservoir storage (carryover) with forecasts of spring and summer streamflow which are based on current snowpack and other hydrologic variables. SWSI values are scaled from +4.1 (abundant supply) to -4.1 (extremely dry) with a value of zero (0) indicating median water supply as compared to historical analysis. SWSI's are calculated in this fashion to be consistent with other hydroclimatic indicators such as the Palmer Drought Index and the Precipitation index.

Utah Snow Surveys has also chosen to display the SWSI value as well as a PERCENT CHANCE OF NON-EXCEEDANCE. While this is a cumbersome name, it has the simplest application. It can be best thought of as a scale of 1 to 99 with 1 being the drought of record (driest possible conditions) and 99 being the flood of record (wettest possible conditions) and a value of 50 representing average conditions. This rating scale is a percentile rating as well, for example a SWSI of 75% means that this years water supply is greater than 75% of all historical events and that only 25% of the time has it been exceeded. Conversely a SWSI of 10% means that 90% of historical events have been greater than this one and that only 10% have had less total water supply. This scale is comparable between basins: a SWSI of 50% means the same relative ranking on watershed A as it does on watershed B, which may not be strictly true of the +4 to -4 scale.

For more information on the SWSI go to: [www.ut.nrcs.usda.gov/snow/](http://www.ut.nrcs.usda.gov/snow/) on the water supply page. The entire period of historical record for reservoir storage and streamflow is available.

*Issued by*

**Jason Weller**  
Chief  
Natural Resources Conservation Service  
U.S. Department of Agriculture

*Released by*

**David Brown**  
State Conservationist  
Natural Resources Conservation Service  
Salt Lake City, Utah

*Prepared by*

**Snow Survey Staff**  
Randall Julander, Supervisor  
Troy Brosten, Assistant Supervisor  
Beau Uriona, Hydrologist  
Jordan Clayton, Hydrologist  
Jeffrey O'Connell, Hydrologist  
Bob Nault, Electronics Technician  
Kent Sutcliffe, Soil Scientist



YOU MAY OBTAIN THIS PRODUCT AS WELL AS CURENT SNOW, PRECIPITATION, TEMPERATURE AND SOIL MOISTURE, RESERVOIR, SURFACE WATER SUPPLY INDEX, AND OTHER DATA BY VISITING OUR WEB SITE @: <http://www.ut.nracs.usda.gov/snow/>

Snow Survey, NRCS, USDA  
245 North Jimmy Doolittle Road  
Salt Lake City, UT 84116  
(801) 524-5213



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Natural Resources Conservation Service  
Salt Lake City, UT

