



United States  
Department of  
Agriculture

Natural Resources  
Conservation  
Service

# Arizona

# Basin Outlook Report

## March 1, 2015



**Issued by**

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## **Basin Outlook Reports And Federal – State – Private Cooperative Snow Surveys**

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### ***How forecasts are made***

Most of the annual streamflow in Arizona originates as snowfall that has accumulated in the mountains during the winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Measurements of snow water equivalent at selected manual snow courses and automated Snow Telemetry (SNOTEL) sites, along with precipitation and streamflow values, are used in statistical and simulation models to prepare runoff forecasts. These forecasts are coordinated between hydrologists in the Natural Resources Conservation Service (NRCS) the National Weather Service, and the Salt River Project.

Forecasts of any kind are not perfect. Streamflow forecast uncertainty arises from three primary sources: (1) uncertainty of future weather conditions, (2) uncertainty in the forecasting procedure, and (3) errors in the data. The forecast, therefore, must be interpreted not as a single value but rather as a range of values with specific probabilities of occurrence. The middle of the range is expressed by the 50% exceedance probability forecast, for which there is a 50% chance that the actual flow will be above, and a 50% chance that the actual flow will be below, this value. To describe the expected range around this 50% value, four other forecasts are provided, two smaller values (90% and 70% exceedance probability) and two larger values (30%, and 10% exceedance probability). For example, there is a 90% chance that the actual flow will be more than the 90% exceedance probability forecast.

The wider the spread among these values, the more uncertain the forecast. As the season progresses, forecasts become more accurate, primarily because a greater portion of the future weather conditions become known. This is reflected by a narrowing of the range around the 50% exceedance probability forecast. Users should take this uncertainty into consideration when making operational decisions by selecting forecasts corresponding to the level of risk they are willing to assume about the amount of water to be expected. If users anticipate receiving a lesser supply of water, or are concerned about having an adequate water supply, they may want to base their decisions on the 90% or 70% exceedance probability forecasts. On the other hand, if users anticipate receiving too much water, or are concerned about the threat of flooding, they may want to base their decisions on the 30% or 10% exceedance probability forecasts. Regardless of the forecast value users choose, they should be prepared to deal with either more or less water.

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# ARIZONA Basin Outlook Report as of March 1, 2015

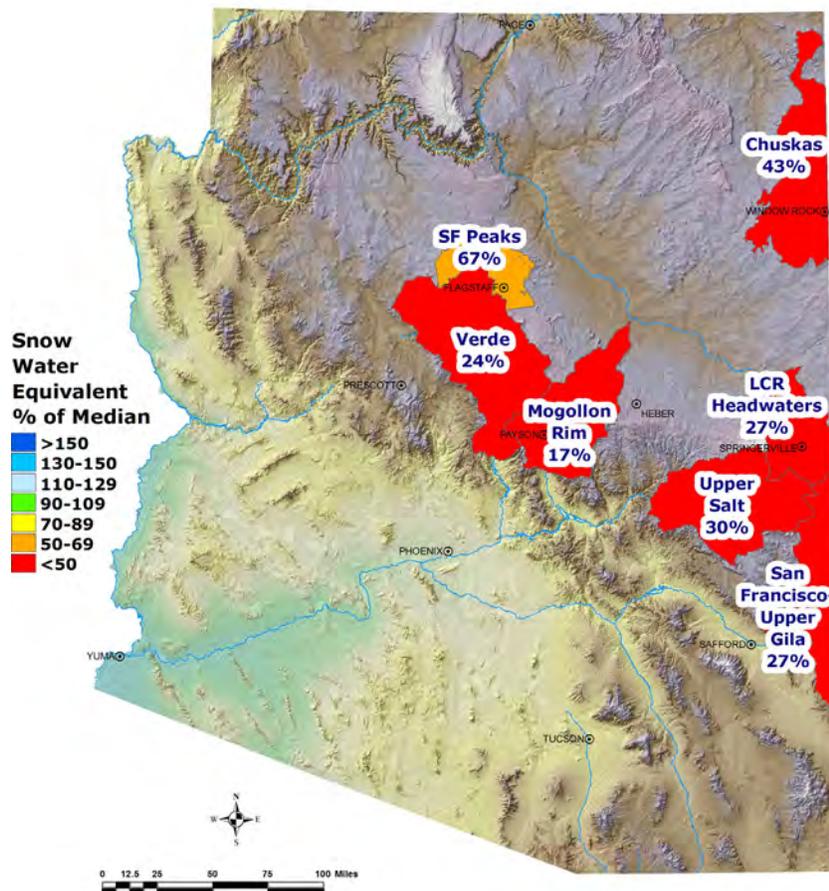
## SUMMARY

As of March 1, snowpack levels are well below normal in all of the major basins. Precipitation for February was well below normal throughout the basins. The Salt and Verde River reservoir system stands at 53 percent of capacity, while San Carlos Reservoir is at 16 percent of capacity. The forecast continues to call for well below normal runoff, except for the Verde River Basin, for the spring runoff period.

## SNOWPACK

Snow water equivalent levels are well below normal in the major basins, ranging from a low of 24 percent of median in the Verde River Basin to a high of 30 percent of median in the Salt River Basin. The statewide snowpack, which includes the Chuska Mountains and San Francisco Peaks, is also well below normal at 32 percent of median.

**Arizona  
Snow Water Equivalent  
as of March 1, 2015**

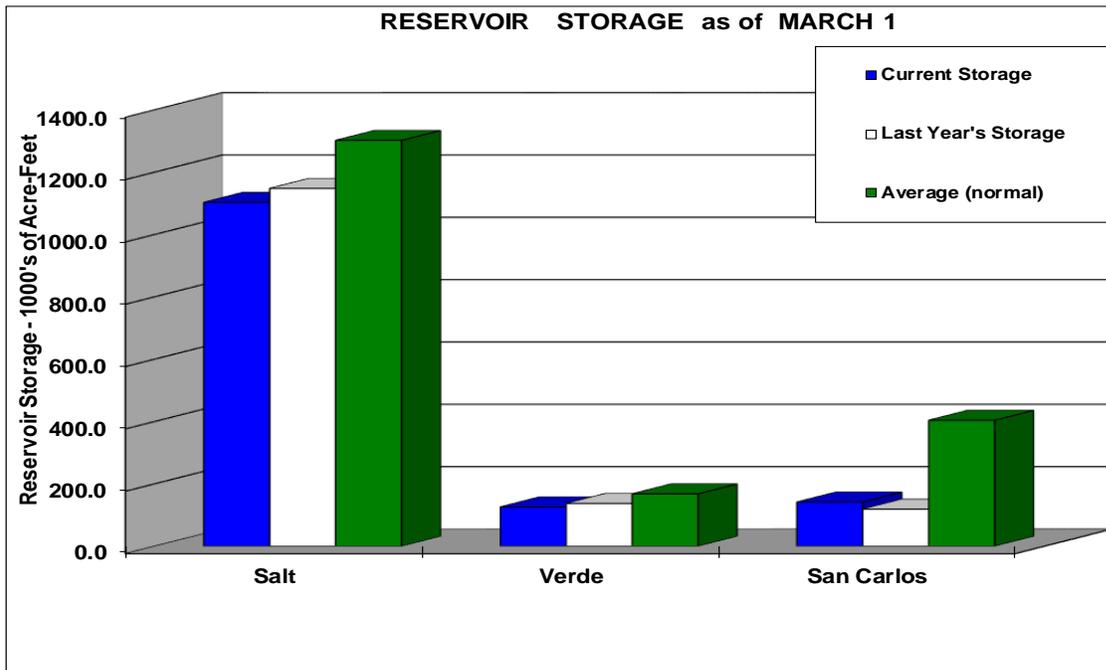


## PRECIPITATION

Mountain data from NRCS SNOTEL sites and NWS Cooperator gages show that precipitation for the month of February was well below normal, ranging from a low of 26 percent of average in the San Francisco-Upper Gila River Basin to a high of 69 percent of average in the Verde River Basin. Cumulative precipitation since October 1 is also well below normal in all of the basins for the water year. Please refer to the precipitation bar graphs found in this report for more information on precipitation levels in the basins.

## RESERVOIR STORAGE

As of March 1, the Salt and Verde River reservoir system stands at 53 percent of capacity. San Carlos Reservoir remains well below normal at 16 percent of capacity.



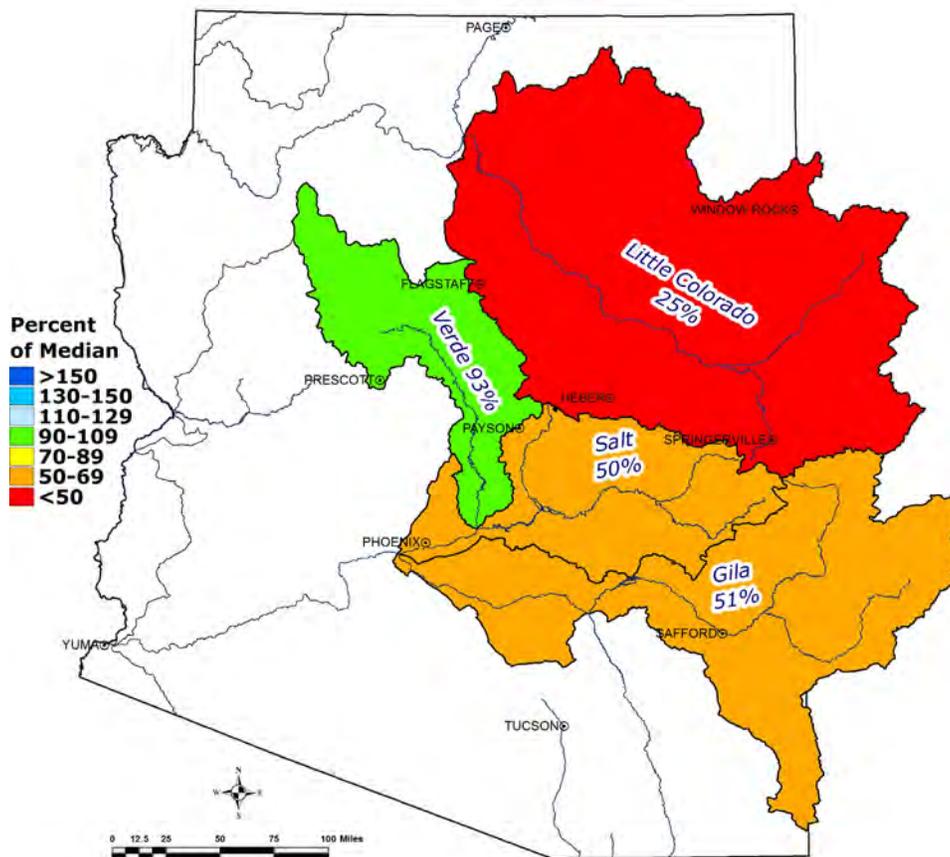
Key storage volumes displayed in thousands of acre-feet (x1000):

<u>Reservoir</u>	<u>Current Storage</u>	<u>Last Year Storage</u>	<u>30-Year Average</u>	<u>Storage Capacity</u>
Salt River System	1103.3	1148.0	1302.0	2025.8
Verde River System	126.1	137.0	168.0	287.4
San Carlos Reservoir	141.7	119.0	404.1	875.0
Lyman Lake	4.2	9.3	12.9	30.0
Lake Havasu	578.0	586.4	560.2	619.0
Lake Mohave	1658.1	1678.0	1673.0	1810.0
Lake Mead	10768.0	12437.0	20575.0	26159.0
Lake Powell	11024.0	9566.0	17055.0	24322.0

# STREAMFLOW

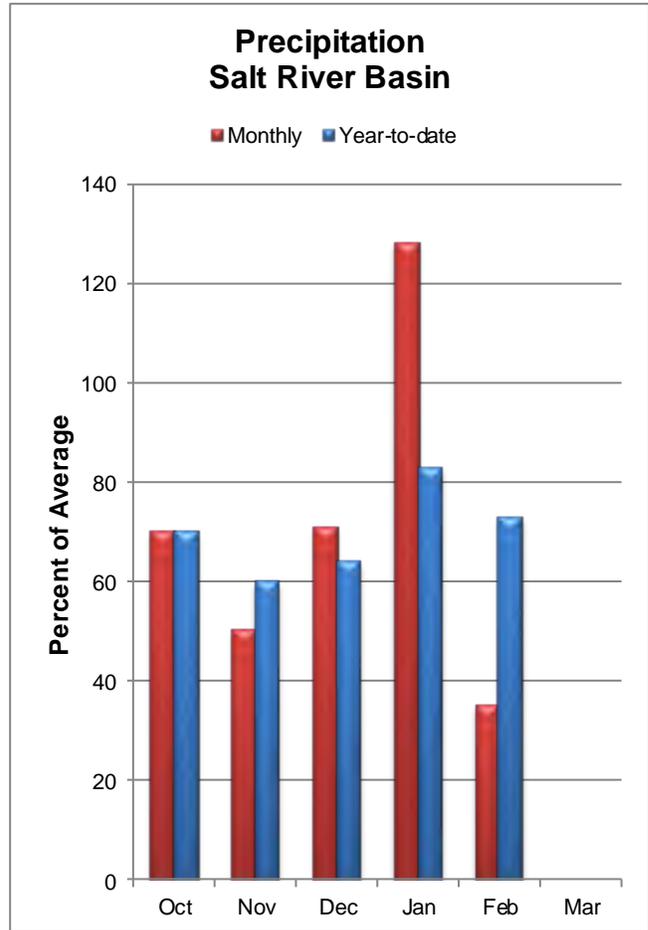
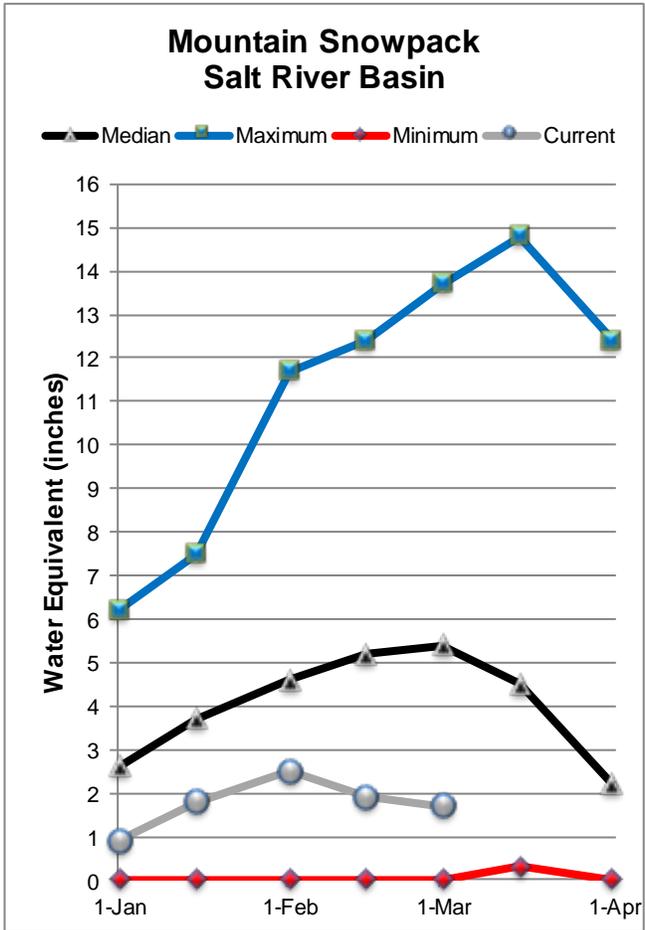
As of March 1, the forecast calls for well below normal streamflow, except in the Verde River Basin, for the spring runoff period. The revised streamflow forecasts range from 25 percent of median in the Little Colorado River above Lyman Lake to 93 percent of median in the Verde River above Horseshoe Dam. The forecast for the Verde is improved significantly as a result of a couple of recent storms that produced an average of about four inches of total precipitation (mostly rain) over this basin. The forecasts for the other major basins are only slightly changed from the previous report. Please refer to the basin forecast tables found in this report for more information regarding water supply forecasts.

## Arizona Spring Streamflow Forecasts as of March 1, 2015



## SALT RIVER BASIN as of March 1, 2015

Well below normal streamflow levels are forecast for the basin. In the Salt River, near Roosevelt, the forecast calls for 50% of median streamflow through May, while at Tonto Creek, the forecast calls for 68% of median streamflow through May. Snow survey measurements show the Salt snowpack to be at 30% of median.



### Salt River Basin Streamflow Forecasts - March 1, 2015

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

SALT RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Salt R nr Roosevelt <sup>3</sup>	MAR			52	46%			114
	MAR-MAY	53	89	120	50%	158	225	240
Tonto Ck ab Gun Ck nr Roosevelt <sup>3</sup>	MAR			9.7	63%			15.4
	MAR-MAY	3.3	8.9	15	68%	23	41	22

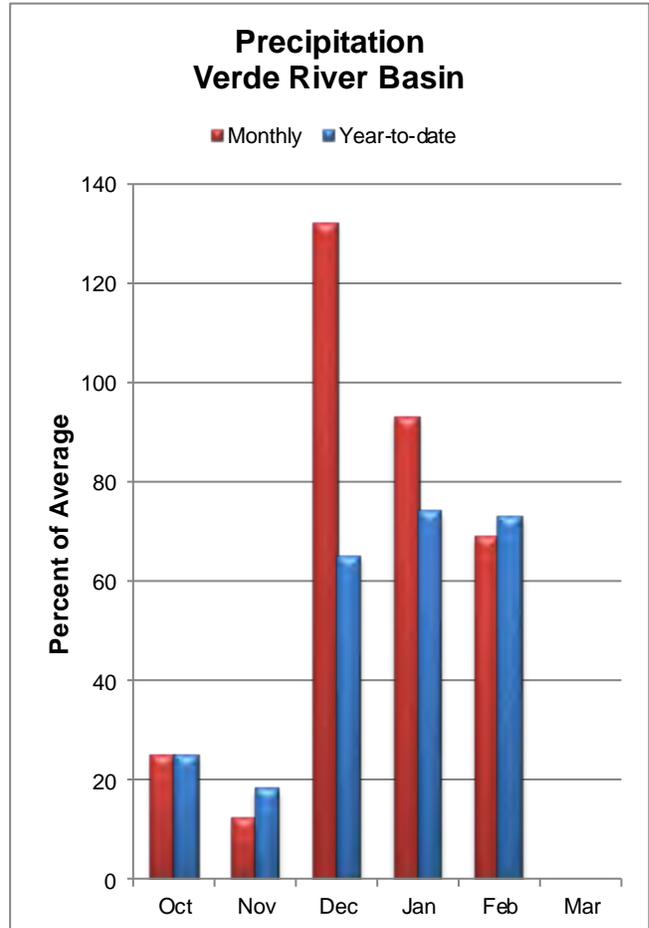
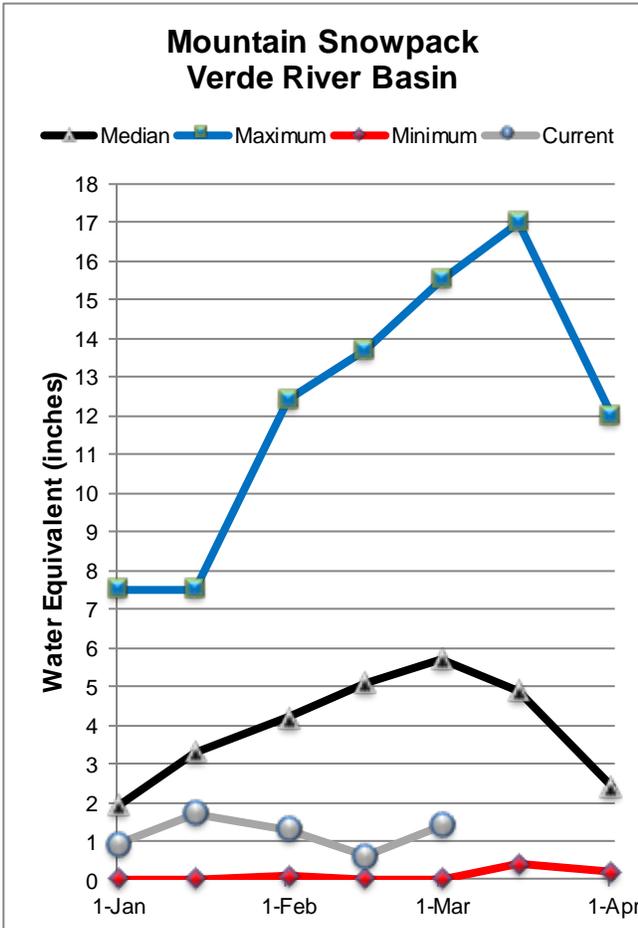
- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

<b>Reservoir Storage End of February, 2015</b>	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Salt River Reservoir System	1103.3	1144.0	1302.0	2025.8
Basin-wide Total	1103.3	1144.0	1302.0	2025.8
# of reservoirs	1	1	1	1

<b>Watershed Snowpack Analysis March 1, 2015</b>	# of Sites	% Median	Last Year % Median
SALT RIVER BASIN	12	30%	5%

## VERDE RIVER BASIN as of March 1, 2015

Near normal streamflow levels are forecast for the basin. In the Verde River, at Horseshoe Dam, the forecast calls for 93% of median streamflow through May. Snow survey measurements show the Verde snowpack to be at 24% of median.



## Verde River Basin Streamflow Forecasts - March 1, 2015

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

VERDE RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Verde R bl Tangle Ck ab Horseshoe Dam <sup>3</sup>	MAR			63	107%			59
	MAR-MAY	31	66	100	93%	145	230	107

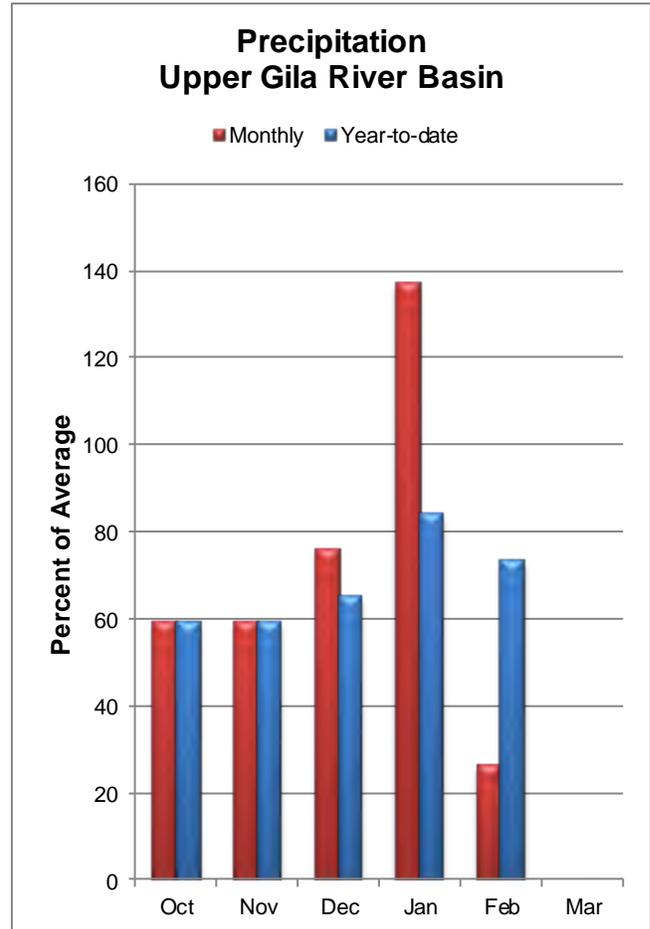
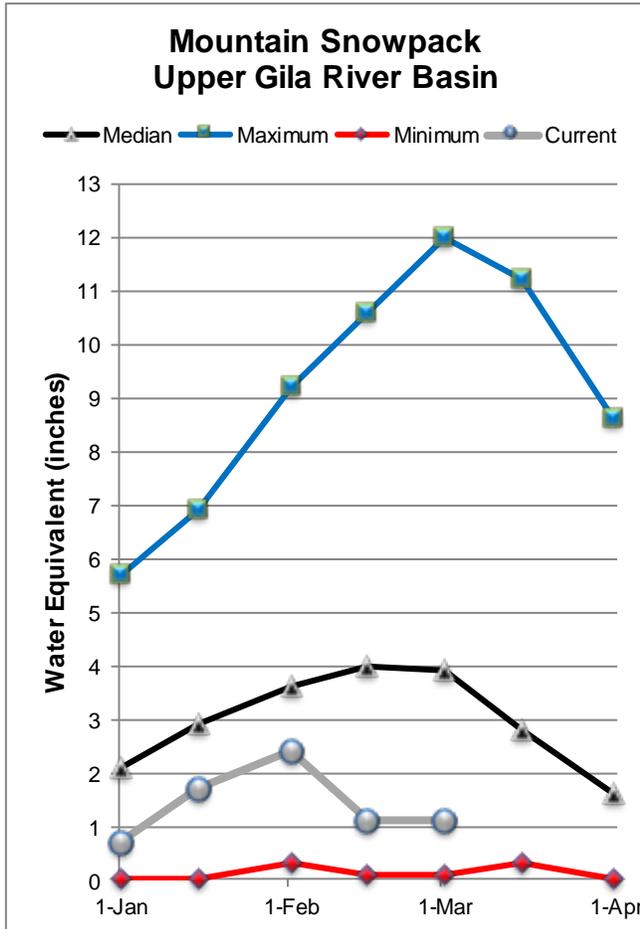
- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

Reservoir Storage End of February, 2015	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Verde River Reservoir System	126.1	140.8	168.0	287.4
Basin-wide Total	126.1	140.8	168.0	287.4
# of reservoirs	1	1	1	1

Watershed Snowpack Analysis March 1, 2015	# of Sites	% Median	Last Year % Median
VERDE RIVER BASIN	12	24%	14%

## SAN FRANCISCO-UPPER GILA RIVER BASIN as of March 1, 2015

Well below normal streamflow levels are forecast for the basin. In the San Francisco River, at Clifton, the forecast calls for 58% of median streamflow levels through May. In the Gila River, near Solomon, the forecast calls for 51% of median streamflow levels through May. At San Carlos Reservoir, inflow to the lake is forecast at 26% of median through May. Snow survey measurements show the snowpack for this basin to be at 27% of median.



### San Francisco-Upper Gila River Basin Streamflow Forecasts - March 1, 2015

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

SAN FRANCISCO-UPPER GILA RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Gila R at Gila <sup>3</sup>	MAR-MAY	9.8	15.3	20	59%	26	36	34
Gila R bl Blue Ck nr Virden <sup>3</sup>	MAR-MAY	6.7	16	25	58%	35	54	43
San Francisco R at Glenwood <sup>3</sup>	MAR-MAY	2.3	5.1	8	53%	11.8	19.4	15.2
San Francisco R at Clifton <sup>3</sup>	MAR-MAY	4.6	13	21	55%	31	50	38
Gila R nr Solomon <sup>3</sup>	MAR			23	61%			38
San Carlos Reservoir Inflow <sup>3</sup>	MAR-MAY	9.8	28	45	51%	66	105	89
	MAR-MAY	0	3.1	13.6	26%	32	72	53

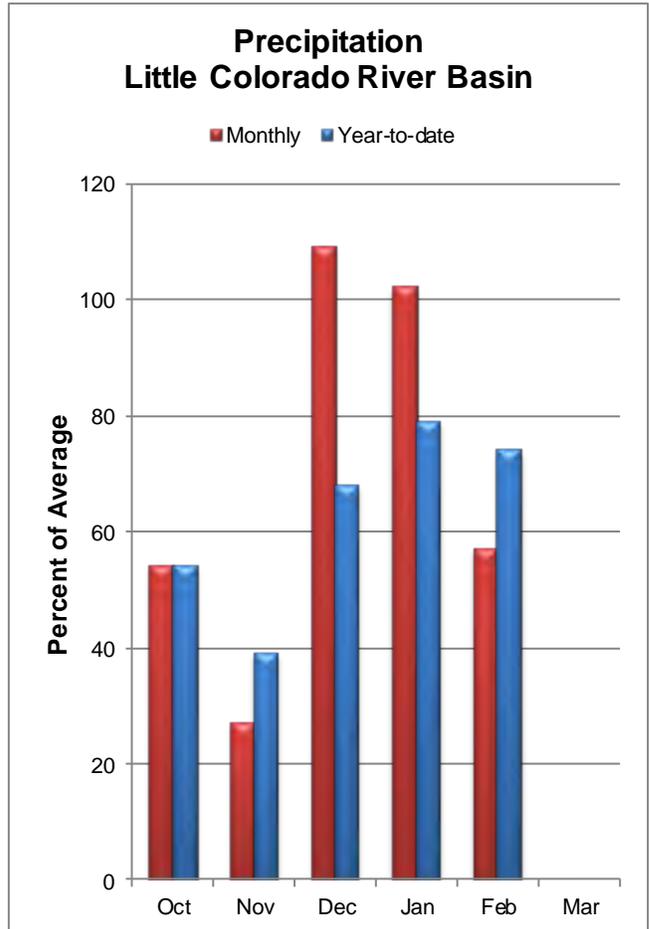
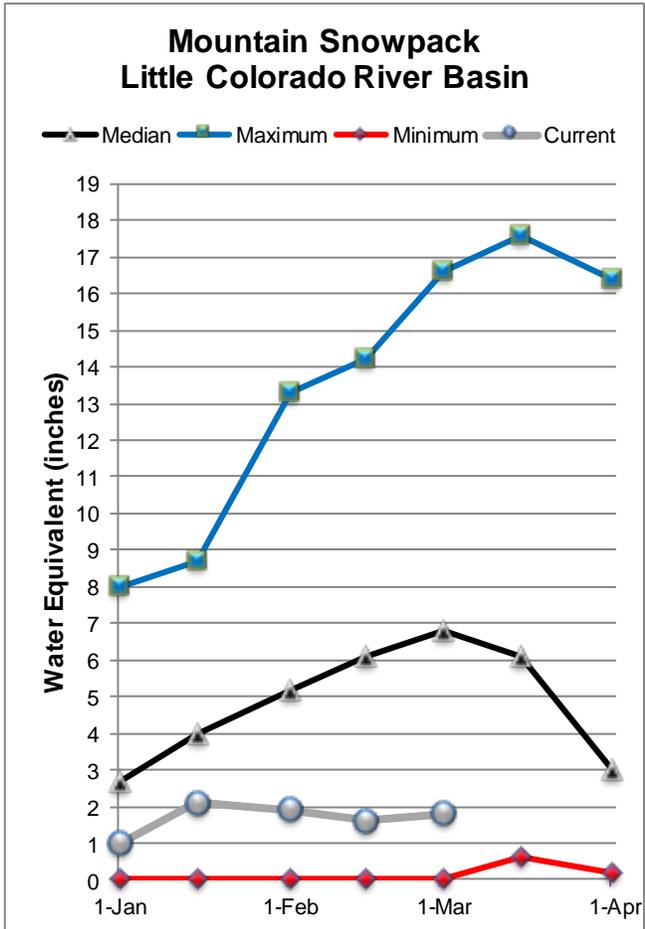
- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

Reservoir Storage End of February, 2015	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
San Carlos Reservoir	141.7	119.0	404.1	875.0
Basin-wide Total	141.7	119.0	404.1	875.0
# of reservoirs	1	1	1	1

Watershed Snowpack Analysis March 1, 2015	# of Sites	% Median	Last Year % Median
SAN FRANCISCO-UPPER GILA RIVER BASIN	11	27%	5%

## LITTLE COLORADO RIVER BASIN as of March 1, 2015

Well below normal streamflow levels are forecast for the basin. In the Little Colorado River, above Lyman Lake, the forecast calls for 25% of median streamflow through June. At Blue Ridge (C.C. Cragin) Reservoir, inflow to the lake is forecast at 30% of median through May. Snowpacks along the southern headwaters of the Little Colorado River, and along the central Mogollon Rim, were measured at 27% and 17% of median, respectively.



### Little Colorado River Basin Streamflow Forecasts - March 1, 2015

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

LITTLE COLORADO RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Little Colorado R ab Lyman Lake <sup>3</sup>	MAR-JUN	0.34	0.9	1.5	25%	2.3	4	6
Rio Nutria nr Ramah <sup>3</sup>	MAR-MAY	0	0.06	0.24	21%	0.6	1.62	1.12
Ramah Reservoir Inflow <sup>3</sup>	MAR-MAY	0	0	0.13	21%	0.44	1.24	0.62
Zuni R ab Black Rock Reservoir <sup>3</sup>	MAR-MAY	0	0	0.07	30%	0.44	2.1	0.23
Blue Ridge Reservoir Inflow <sup>3</sup>	MAR-MAY	0.61	2.1	4	30%	6.7	12.6	13.5
Lake Mary Reservoir Inflow <sup>3</sup>	MAR-MAY	0.8	0.9	1.5	52%	2.3	4	2.9

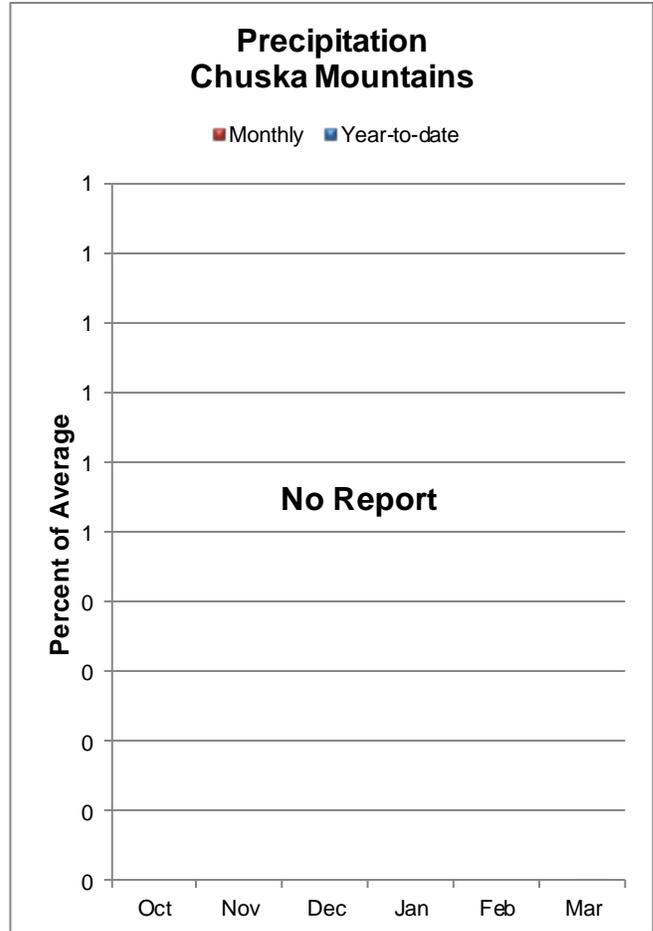
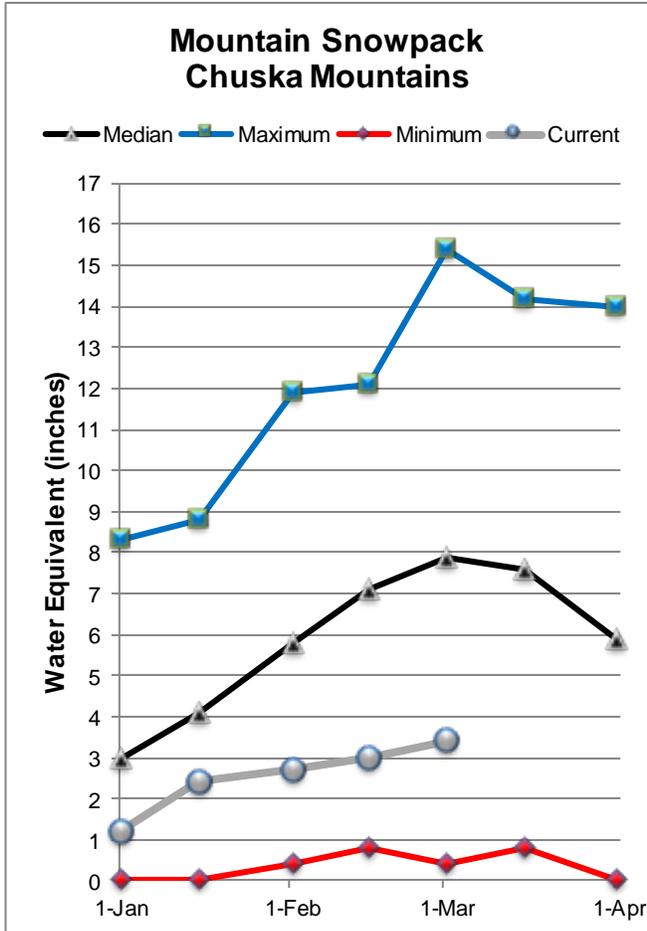
- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

<b>Reservoir Storage End of February, 2015</b>	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Lyman Reservoir	4.2	9.3	12.9	30.0
Basin-wide Total	4.2	9.3	12.9	30.0
# of reservoirs	1	1	1	1

<b>Watershed Snowpack Analysis March 1, 2015</b>	# of Sites	% Median	Last Year % Median
LITTLE COLORADO RIVER BASIN	10	27%	7%
CENTRAL MOGOLLON RIM	4	17%	8%

## CHUSKA MOUNTAINS as of March 1, 2015

Snow survey measurements conducted by staff of the Navajo Nation Water Management Branch show the Chuska snowpack to be at 43% of median. Well below normal runoff is forecast for Wheatfields Creek, Captain Tom Wash, and Bowl Canyon Creek.



## Chuska Mountains Streamflow Forecasts - March 1, 2015

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

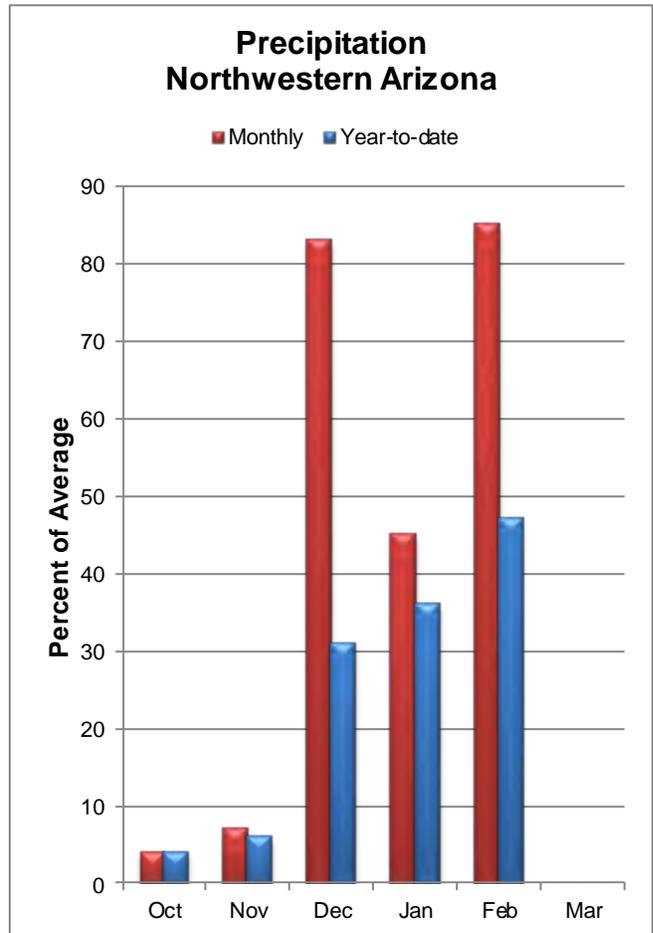
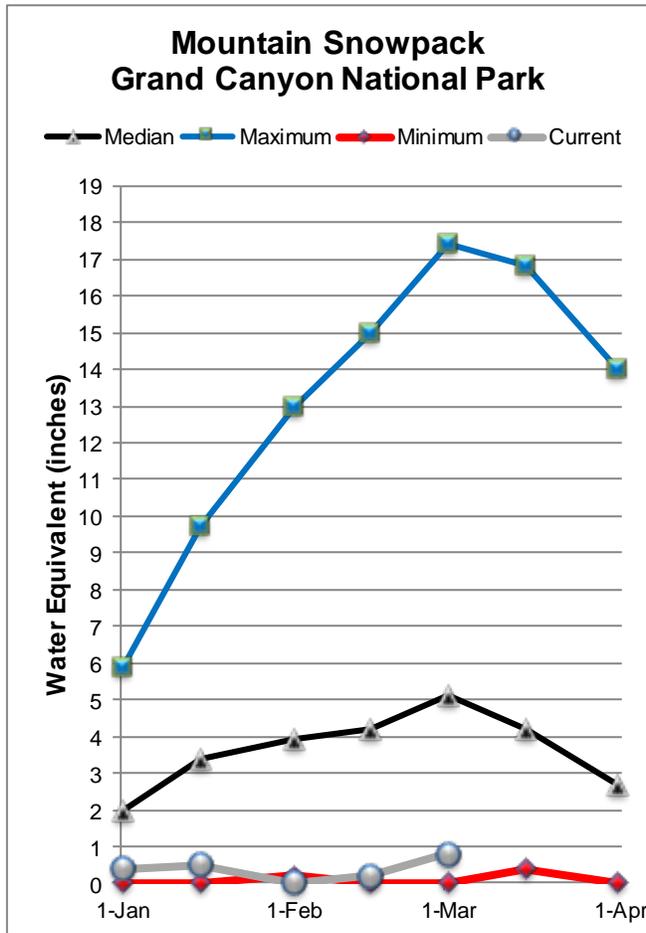
CHUSKA MOUNTAINS	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Captain Tom Wash nr Two Gray Hills	MAR-MAY	0.46	0.98	1.5	58%	2.2	3.5	2.6
Wheatfields Ck nr Wheatfields	MAR-MAY	0.23	0.67	1.1	52%	1.64	2.6	2.1
Bowl Canyon Ck ab Asaayi Lake	MAR-MAY	0.29	0.54	0.75	58%	1	1.42	1.3

- 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 March 1, 2015	# of Sites	% Median	Last Year % Median
CHUSKA MOUNTAINS	6	43%	32%
DEFIANCE PLATEAU	1	11%	0%

## NORTHWESTERN ARIZONA as of March 1, 2015

On the Colorado River, well below normal inflow to Lake Powell is forecast at 68% of the 30-year average for the forecast period April-July. At the Grand Canyon, measurements conducted by park rangers show the snowpack to be at 16% of median.



## Northwestern Arizona Streamflow Forecasts - March 1, 2015

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

NORTHWESTERN ARIZONA	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Virgin R at Littlefield	APR-JUL	2.5	11.8	22	34%	35	61	65
Lake Powell Inflow <sup>2</sup>	APR-JUL	2750	3960	4900	68%	5940	7660	7160

- 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 February, 2015	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Lake Havasu	578.0	549.2	560.2	619.0
Lake Mohave	1658.1	1670.5	1673.0	1810.0
Lake Mead	10768.0	12456.0	20575.0	26159.0
Lake Powell	11036.4	9675.0	17055.0	24322.0
Basin-wide Total	24040.5	24350.7	39863.2	52910.0
# of reservoirs	4	4	4	4

Watershed Snowpack Analysis March 1, 2015	# of Sites	% Median	Last Year % Median
NORTHWESTERN ARIZONA	1	16%	0%

**Basinwide Summary: March 1, 2015**  
**(Averages/Medians based on 1981-2010 reference period)**

Snowpack Summary for March 1, 2015
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Map Num	SALT RIVER BASIN	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
5	Baldy	SNOTEL	9125	3	2.1	8.1	26%	0.3	4%
7	Beaver Head	SNOTEL	7990	1	0.2	5.2	4%	0.4	8%
8	Beaver Head	SC	8000	0	0.0	1.6	0%	0.0	0%
12	Buck Spring	SC	7400	0	0.0	2.2	0%	0.0	0%
16	Coronado Trail	SNOTEL	8400	0	0.0	2.4	0%	0.1	4%
17	Coronado Trail	SC	8350	0	0.0	1.8	0%	0.0	0%
19	Fort Apache	SC	9160	15	4.3	8.2	52%	1.9	23%
24	Hannagan Meadows	SNOTEL	9020	15	5.7	10.3	55%	0.2	2%
29	Maverick Fork	SNOTEL	9200	12	4.8	8.9	54%	0.0	0%
34	Nutriosio	SC	8500	0	0.0	0.6	0%	0.0	0%
35	Nutriosio	SNOTEL	8500	0	0.0			0.0	
42	Wildcat	SNOTEL	7850	0	0.0	3.2	0%	0.0	0%
44	Workman Creek	SNOTEL	6900	0	0.0	5.1	0%	0.1	2%
<b>Basin Index</b>							<b>30%</b>	<b>5%</b>	
# of sites							12	12	

Map Num	VERDE RIVER BASIN	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
2	Baker Butte	SNOTEL	7300	6	1.9	5.2	37%	0.1	2%
3	Baker Butte No. 2	SC	7700	3	0.7	10.5	7%	2.1	20%
4	Baker Butte Smt	SNOTEL	7700	12	5.1			4.6	
6	Bar M	SNOTEL	6393	0	0.0			0.1	
13	Chalender	SC	7100	1	0.1	2.0	5%	0.0	0%
14	Chalender	SNOTEL	7100	1	0.1			0.0	
20	Fort Valley	SC	7350	5	1.2	1.9	63%	0.0	0%
21	Fort Valley	SNOTEL	7350	3	1.2			0.2	
22	Fry	SNOTEL	7200	5	1.5	7.0	21%	0.4	6%
25	Happy Jack	SNOTEL	7630	6	2.5	5.9	42%	0.6	10%
26	Happy Jack	SC	7630	1	0.1	4.0	3%	0.0	0%
30	Mormon Mountain	SNOTEL	7500	5	2.0	4.7	43%	0.2	4%
31	Mormon Mountain Summit #2	SC	8470	17	4.5	11.2	40%	1.8	16%
32	Mormon Mtn Summit	SNOTEL	8500	18	5.0			3.0	
33	Newman Park	SC	6750	0	0.0	2.0	0%	0.0	0%
41	White Horse Lake	SNOTEL	7180	2	0.6	3.9	15%	0.3	8%
43	Williams Ski Run	SC	7720	5	0.8	8.2	10%	4.0	49%
<b>Basin Index</b>							<b>24%</b>	<b>14%</b>	
# of sites							12	12	

Map Num	SAN FRANCISCO PEAKS	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
37	Snow Bowl #2	SC	11200	38	9.6	16.1	60%	6.4	40%
38	Snowslide Canyon	SNOTEL	9730	45	11.3	15.3	74%	11.4	75%
<b>Basin Index</b>							<b>67%</b>	<b>57%</b>	
# of sites							2	2	

Map Num	SAN FRANCISCO-UPPER GILA RIVER BASIN	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
8	Beaver Head	SNOTEL	7990	1	0.2	5.2	4%	0.4	8%
9	Beaver Head	SC	8000	0	0.0	1.6	0%	0.0	0%
16	Coronado Trail	SNOTEL	8400	0	0.0	2.4	0%	0.1	4%
17	Coronado Trail	SC	8350	0	0.0	1.8	0%	0.0	0%
	Frisko Divide	SNOTEL	8000	1	0.1	2.4	4%	0.0	0%
24	Hannagan Meadows	SNOTEL	9020	15	5.7	10.3	55%	0.2	2%
	Hummingbird - Aerial And Snow Course	SC	10550			11.9			
	Lookout Mountain	SNOTEL	8500	0	0.0	0.6	0%	0.0	0%
34	Nutriosio	SC	8500	0	0.0	0.6	0%	0.0	0%
35	Nutriosio	SNOTEL	8500	0	0.0			0.0	
	Signal Peak	SNOTEL	8360	0	0.0	4.3	0%	0.0	0%

Silver Creek Divide	SNOTEL	9000	9	4.4	8.3	53%	1.3	16%
State Line	SC	8000	1	0.1	1.4	7%	0.0	0%
Whitewater - Aerial And Snow Course	SC	10750			18.6			

**Basin Index** **27%**  
# of sites 11 **5%**  
11

Map Num	LITTLE COLORADO RIVER BASIN	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
2	Baker Butte	SNOTEL	7300	6	1.9	5.2	37%	0.1	2%
3	Baker Butte No. 2	SC	7700	3	0.7	10.5	7%	2.1	20%
4	Baker Butte Smt	SNOTEL	7700	12	5.1			4.6	
6	Baldy	SNOTEL	9125	3	2.1	8.1	26%	0.3	4%
12	Buck Spring	SC	7400	0	0.0	2.2	0%	0.0	0%
15	Cheese Springs	SC	8700	7	2.0	5.8	34%	0.5	9%
19	Fort Apache	SC	9160	15	4.3	8.2	52%	1.9	23%
27	Heber	SNOTEL	7640	3	0.9	4.5	20%	0.2	4%
28	Lake Mary	SC	6930	0	0.0	3.4	0%	0.0	0%
29	Maverick Fork	SNOTEL	9200	12	4.8	8.9	54%	0.0	0%
36	Promontory	SNOTEL	7930	5	1.7	11.3	15%	0.0	0%

**Basin Index** **27%**  
# of sites 10 **7%**  
10

Map Num	CENTRAL MOGOLLON RIM	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
2	Baker Butte	SNOTEL	7300	6	1.9	5.2	37%	0.1	2%
3	Baker Butte No. 2	SC	7700	3	0.7	10.5	7%	2.1	20%
4	Baker Butte Smt	SNOTEL	7700	12	5.1			4.6	
27	Heber	SNOTEL	7640	3	0.9	4.5	20%	0.2	4%
36	Promontory	SNOTEL	7930	5	1.7	11.3	15%	0.0	0%

**Basin Index** **17%**  
# of sites 4 **8%**  
4

Map Num	CHUSKA MOUNTAINS	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
9	Beaver Spring	SC	9220	18	3.9	10.0	39%	3.3	33%
10	Beaver Spring	SNOTEL	9200	26	4.1			2.8	
	Bowl Canyon	SC	8980	25	4.5	8.7	52%	2.7	31%
	Hidden Valley	SC	8480	12	3.2			0.7	
	Missionary Spring	SC	7940	10	1.1	4.1	27%	0.0	0%
39	Tsaile Canyon #1	SC	8160	9	1.5	6.4	23%	1.1	17%
40	Tsaile Canyon #3	SC	8920	21	4.5	8.8	51%	4.6	52%
	Whiskey Creek	SC	9050	17	4.8	9.3	52%	3.3	35%
	Navajo Whiskey Ck	SNOTEL	9050	16	3.4			0.0	

**Basin Index** **43%**  
# of sites 6 **32%**  
6

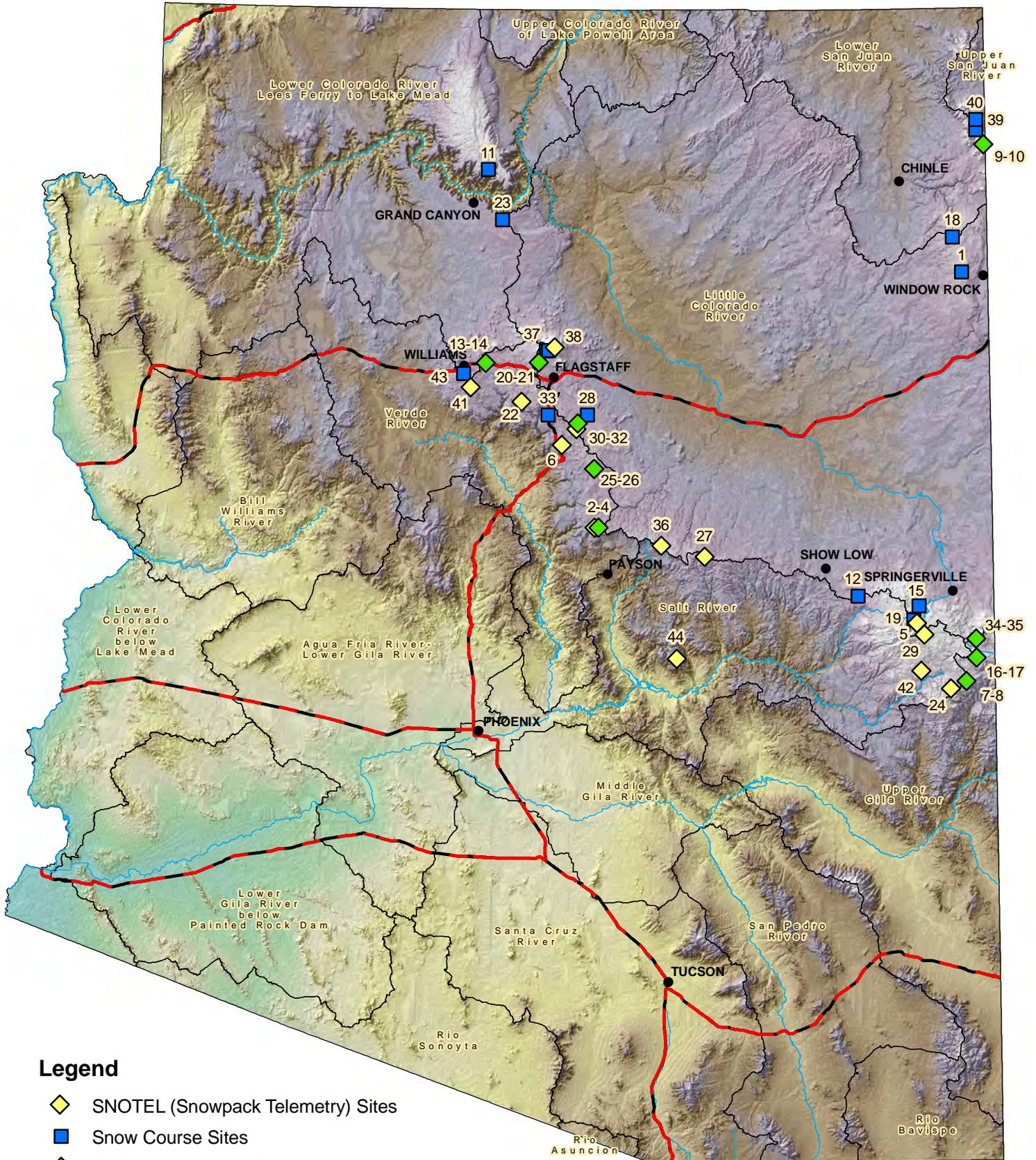
Map Num	DEFIANCE PLATEAU	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
1	Fluted Rock	SC	7800	4	0.4	3.6	11%	0.0	0%

**Basin Index** **11%**  
# of sites 1 **0%**  
1

Map Num	NORTHWESTERN ARIZONA	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
11	Bright Angel	SC	8400	9	1.6	8.7	18%		
23	Grand Canyon	SC	7500	0	0.0	1.4	0%	0.0	0%

**Basin Index** **0%**  
# of sites 1 **0%**  
1

# Arizona Snow Survey Data Sites



## Legend

-  SNOTEL (Snowpack Telemetry) Sites
-  Snow Course Sites
-  SNOTEL and Snow Course Sites
-  Basin Boundaries

