



Natural  
Resources  
Conservation  
Service

# Arizona Basin Outlook Report January 1, 2014



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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 January 1, 2014

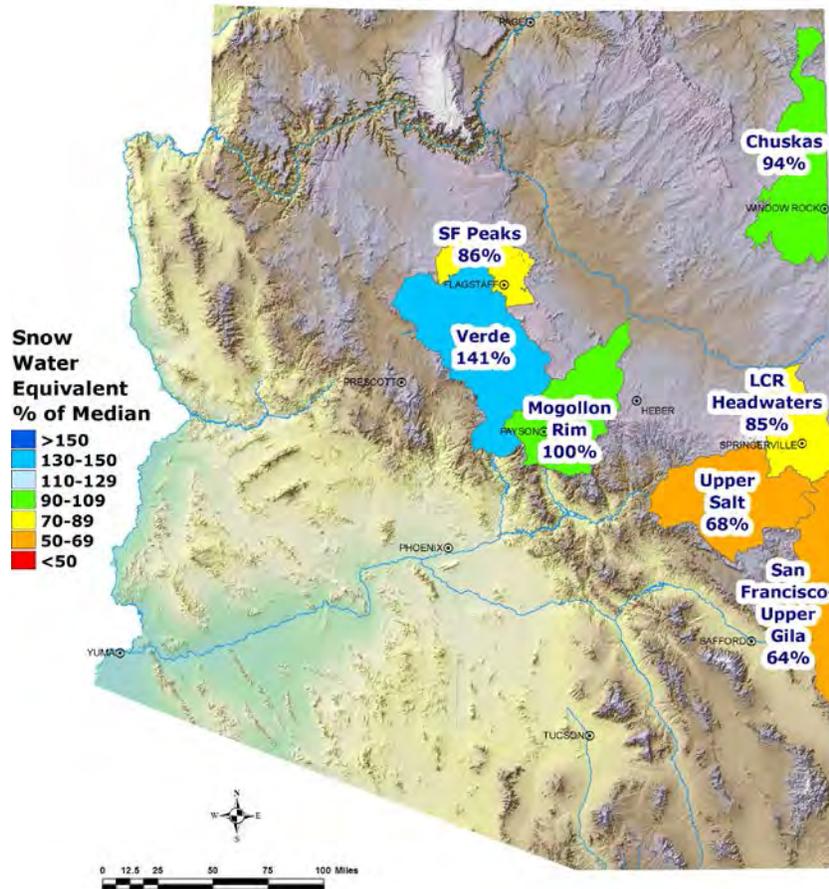
## SUMMARY

As of January 1, snowpack levels range from well below normal to well above normal throughout the state. Precipitation for the month of December was below average to well below average in the major river basins. The Salt and Verde River reservoir system stands at 55 percent of capacity, while San Carlos Reservoir is at 14 percent of capacity. The first forecast of the season calls for well below normal runoff in all basins, except for the Verde River Basin, which is forecast at near normal streamflow for the spring runoff period.

## SNOWPACK

Snow water equivalent levels in the state's major river basins vary from well below normal to well above normal, ranging from 64 percent of median in the San Francisco-Upper Gila River Basin to 141 percent of median in the Verde River Basin. The statewide snowpack is slightly below normal at 94 percent of median.

**Arizona  
Snow Water Equivalent  
as of January 1, 2014**

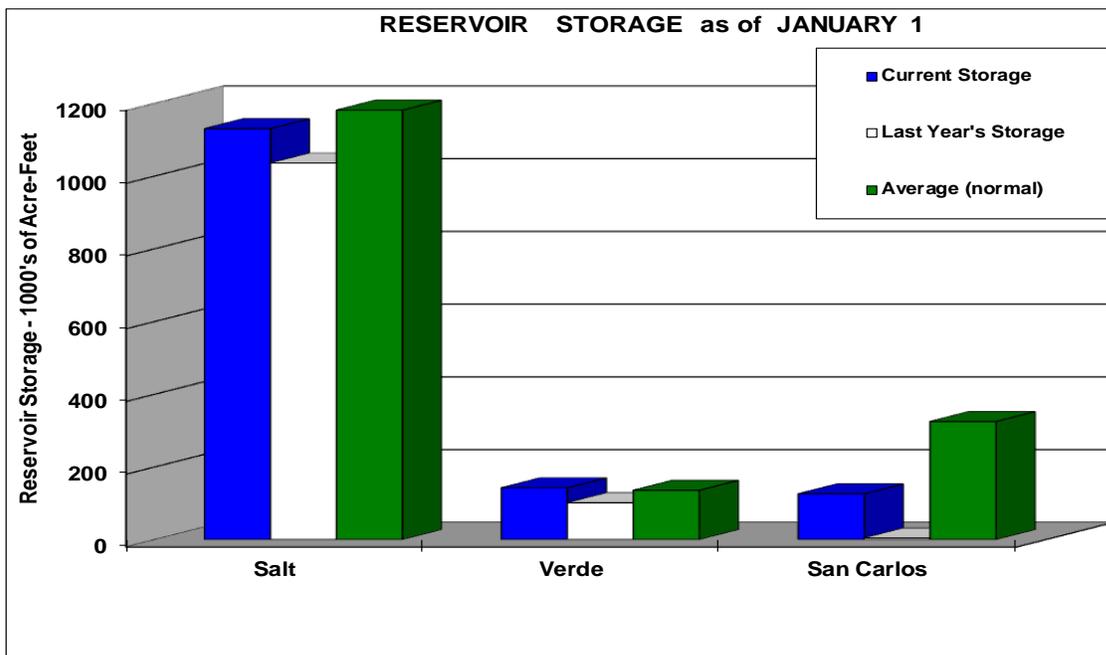


## PRECIPITATION

Mountain data from NRCS SNOTEL sites and NWS Cooperator gages show that December precipitation was below normal to well below normal throughout the basins, ranging from 42 percent of average in the Salt River Basin to 77 percent of average in the Verde River Basin. This was in stark contrast to the month of November which brought well above normal precipitation throughout the basins. However, October was extremely dry. As a result, cumulative precipitation since October 1 is now below normal in all basins. Please refer to the precipitation bar graphs found in this report for more information on precipitation levels in the basins.

## RESERVOIR STORAGE

As of January 1, the Salt and Verde River reservoir system stands at 55 percent of capacity. San Carlos Reservoir is currently at 14 percent of capacity.



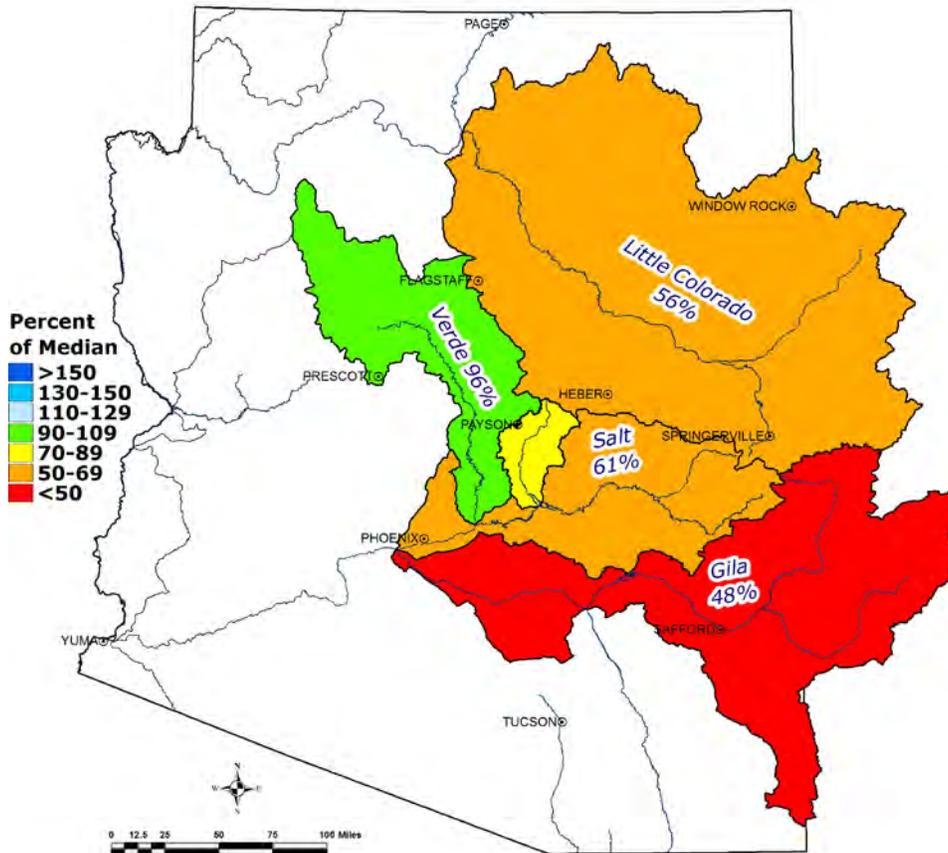
Key storage volumes displayed in thousands of acre-feet (x1000):

<u>Reservoir</u>	<u>Current Storage</u>	<u>Last Year Storage</u>	<u>30-Year Average</u>	<u>Storage Capacity</u>
Salt River System	1130.3	1035.5	1181.0	2025.8
Verde River System	142.6	101.3	135.7	287.4
San Carlos Reservoir	126.0	4.4	324.9	875.0
Lyman Lake	8.9	4.3	11.8	30.0
Lake Havasu	536.8	552.1	562.7	619.0
Lake Mohave	1604.9	1571.9	1602.0	1810.0
Lake Mead	12349.0	13647.0	20297.0	26159.0
Lake Powell	10307.0	12689.0	17745.0	24322.0

# STREAMFLOW

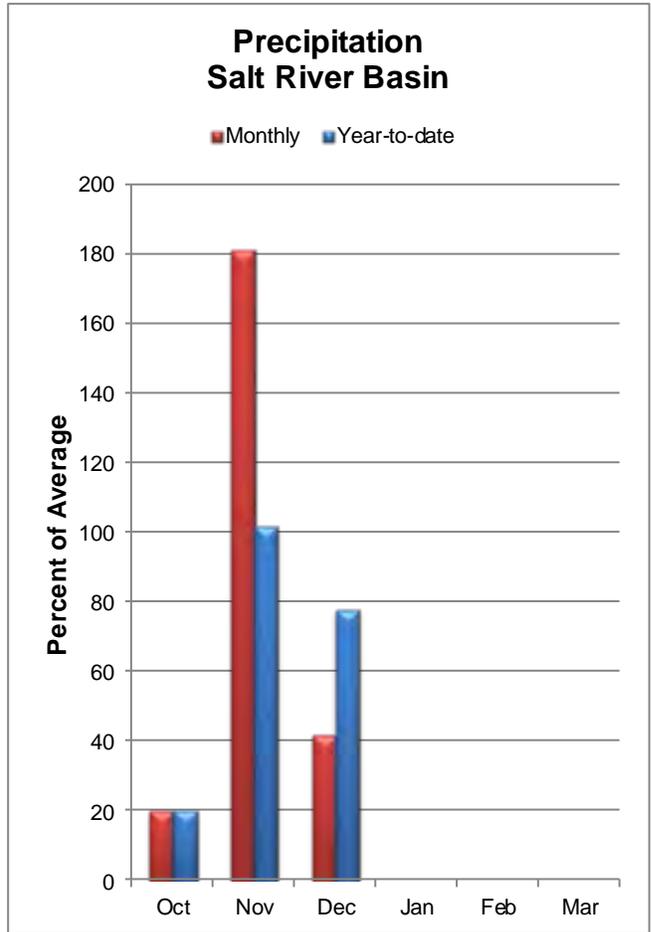
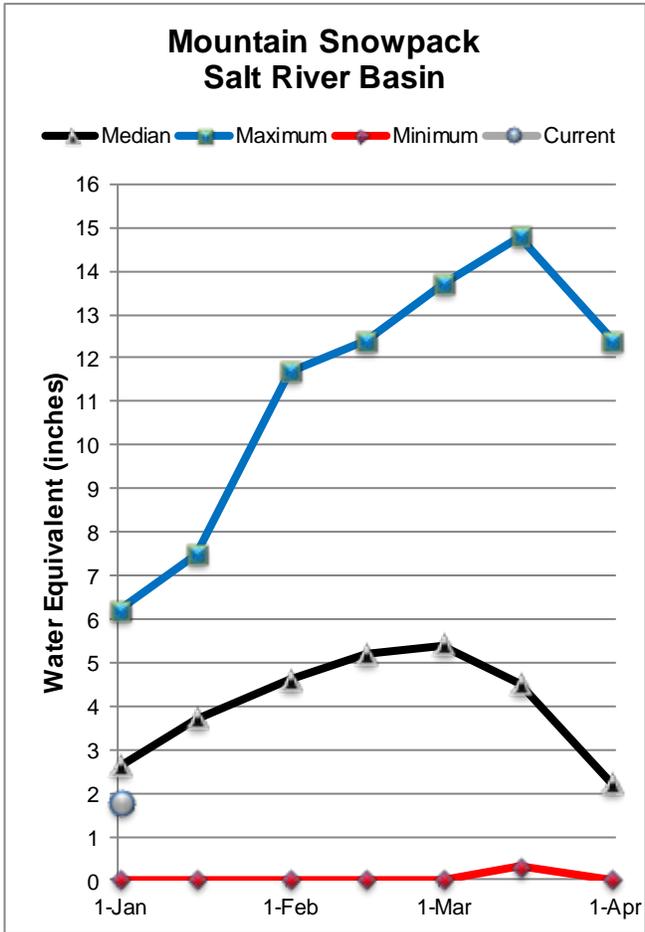
As of January 1, the forecast calls for well below normal to near normal streamflow for the spring runoff period, ranging from 48 percent of median in the Gila River near Solomon to 96 percent of median in the Verde River above Horseshoe Dam. The initial streamflow forecasts are generally low, based in large part on the current below normal snowpacks, as well as an outlook for less than average precipitation for the remainder of the winter. Please refer to the basin forecast tables found in this report for more information regarding water supply forecasts.

**Arizona  
Spring Streamflow Forecasts  
as of January 1, 2014**



## SALT RIVER BASIN as of January 1, 2014

Well below normal streamflow levels are forecast for the basin. In the Salt River, near Roosevelt, the forecast calls for 61% of median streamflow through May, while at Tonto Creek, the forecast calls for 76% of median streamflow through May. Snow survey measurements show the Salt snowpack to be at 68% of median.



### Salt River Basin Streamflow Forecasts - January 1, 2014

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>	JAN-MAY	60	126	190	61%	275	435	310
	JAN	4	15.1	29	121%	50	95	24
	MAR-MAY	44	86	126	53%	177	275	240
Tonto Ck ab Gun Ck nr Roosevelt <sup>3</sup>	JAN-MAY	3.4	15.6	32	76%	57	114	42

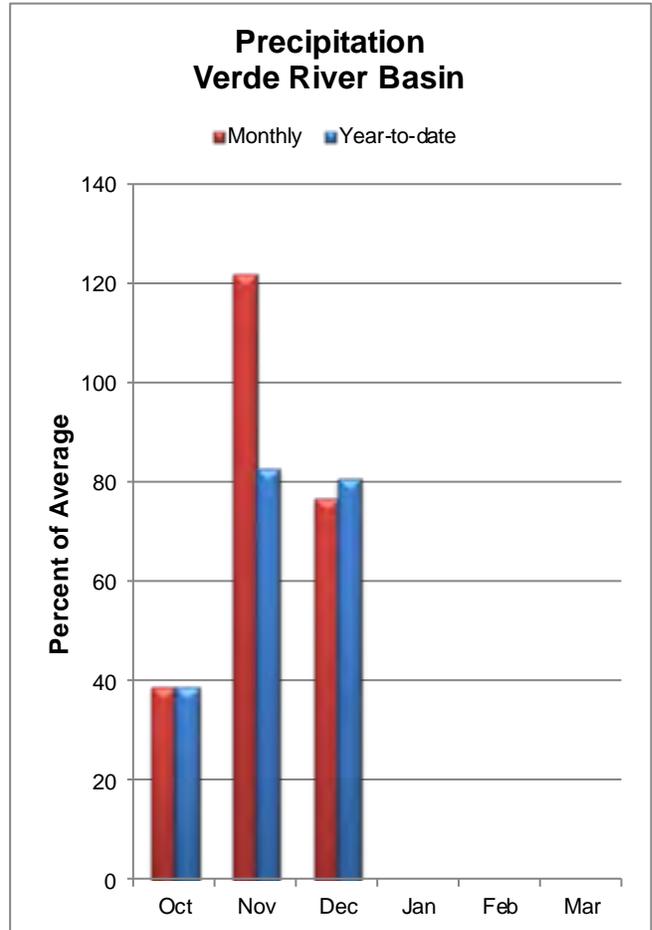
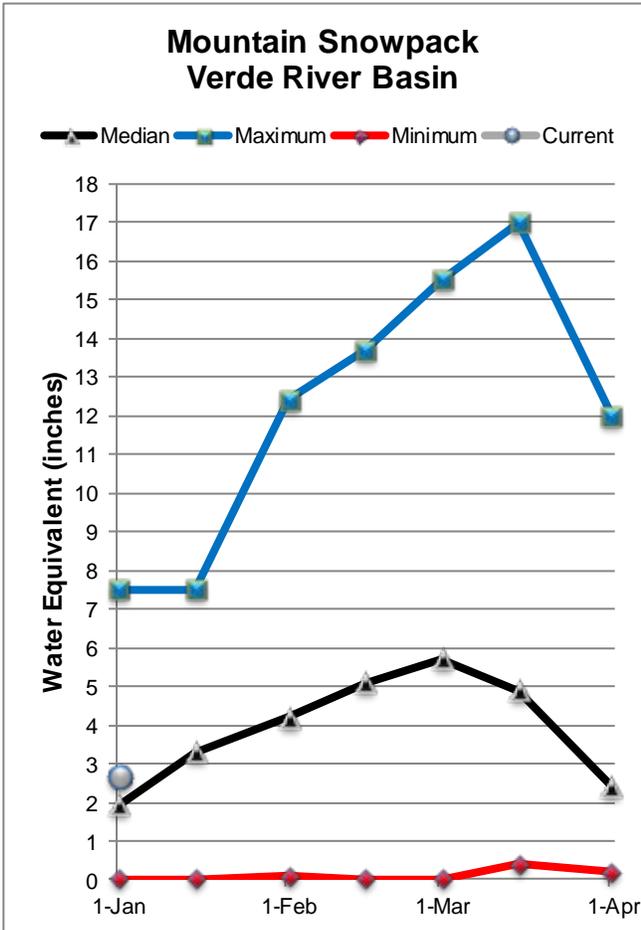
- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

<b>Reservoir Storage End of December, 2013</b>	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
SALT RIVER RESERVOIR SYSTEM	1130.3	1035.5	1240.0	2025.8
Basin-wide Total	1130.3	1035.5	1240.0	2025.8
# of reservoirs	1	1	1	1

<b>Watershed Snowpack Analysis January 1, 2014</b>	# of Sites	% Median	Last Year % Median
SALT RIVER BASIN	10	68%	132%

## VERDE RIVER BASIN as of January 1, 2014

Near normal streamflow levels are forecast for the basin. In the Verde River, at Horseshoe Dam, the forecast calls for 96% of median streamflow through May. Snow survey measurements show the Verde snowpack to be at 141% of median.



## Verde River Basin Streamflow Forecasts - January 1, 2014

VERDE RIVER BASIN	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						
		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>	JAN-MAY	44	97	150	96%	220	355	157
	JAN	2.9	11.4	22	96%	38	73	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

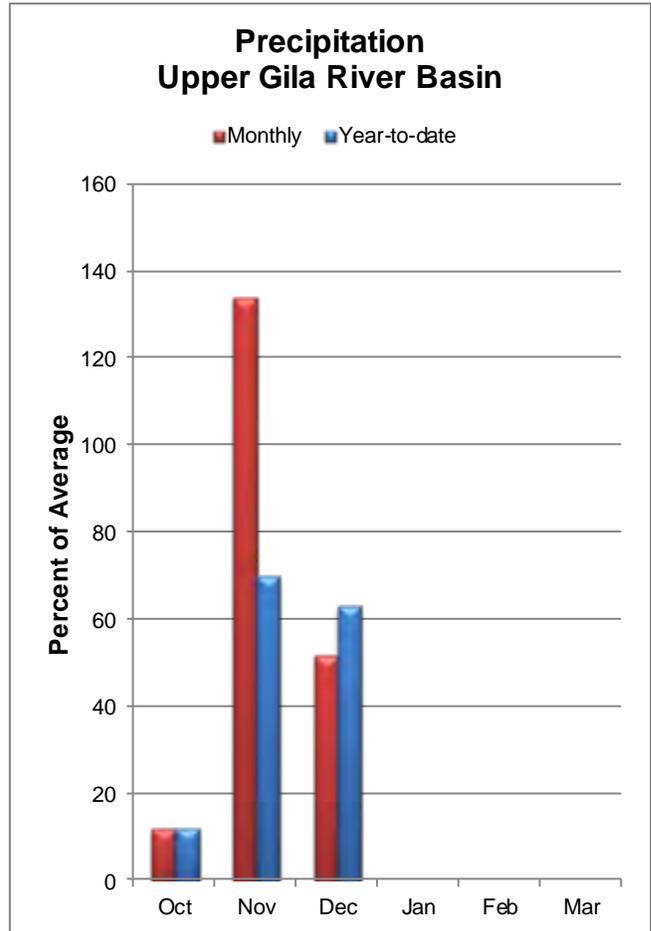
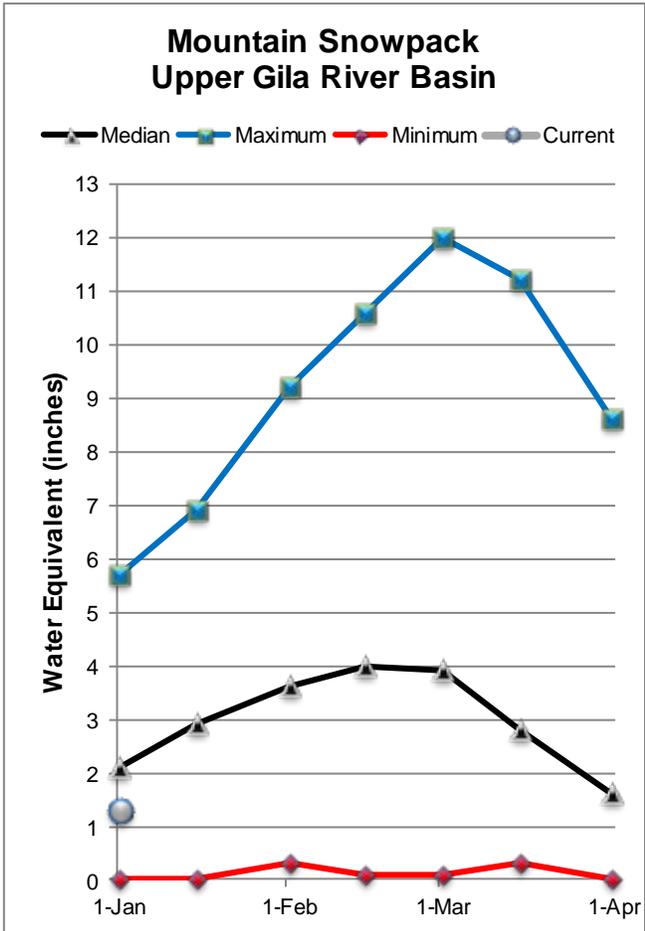
3) Median value used in place of average

Reservoir Storage End of December, 2013	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
VERDE RIVER RESERVOIR SYSTEM	142.6	101.3	154.4	287.4
Basin-wide Total	142.6	101.3	154.4	287.4
# of reservoirs	1	1	1	1

Watershed Snowpack Analysis January 1, 2014	# of Sites	% Median	Last Year % Median
VERDE RIVER BASIN	11	141%	195%

## SAN FRANCISCO-UPPER GILA RIVER BASIN as of January 1, 2014

Well below normal streamflow levels are forecast for the basin. In the San Francisco River, at Clifton, the forecast calls for 70% of median streamflow levels through May. In the Gila River, near Solomon, the forecast calls for 48% of median streamflow levels through May. At San Carlos Reservoir, inflow to the lake is forecast at 41% of median through May. Snow survey measurements show the snowpack for this basin to be at 64% of median.



### San Francisco-Upper Gila River Basin Streamflow Forecasts - January 1, 2014

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>	JAN-MAY	10.1	19.8	29	52%	41	63	56
Gila R bl Blue Ck nr Virden <sup>3</sup>	JAN-MAY	4.6	19.2	35	46%	55	94	76
San Francisco R at Glenwood <sup>3</sup>	JAN-MAY	4.6	10.7	17	81%	25	42	21
San Francisco R at Clifton <sup>3</sup>	JAN-MAY	7.9	25	43	70%	65	106	61
Gila R nr Solomon <sup>3</sup>	JAN-MAY	4.5	32	66	48%	111	200	137
San Carlos Reservoir Inflow <sup>3</sup>	JAN	4.8	11.5	17.7	90%	25	39	19.7
	JAN-MAY	0	12	39	41%	82	172	95

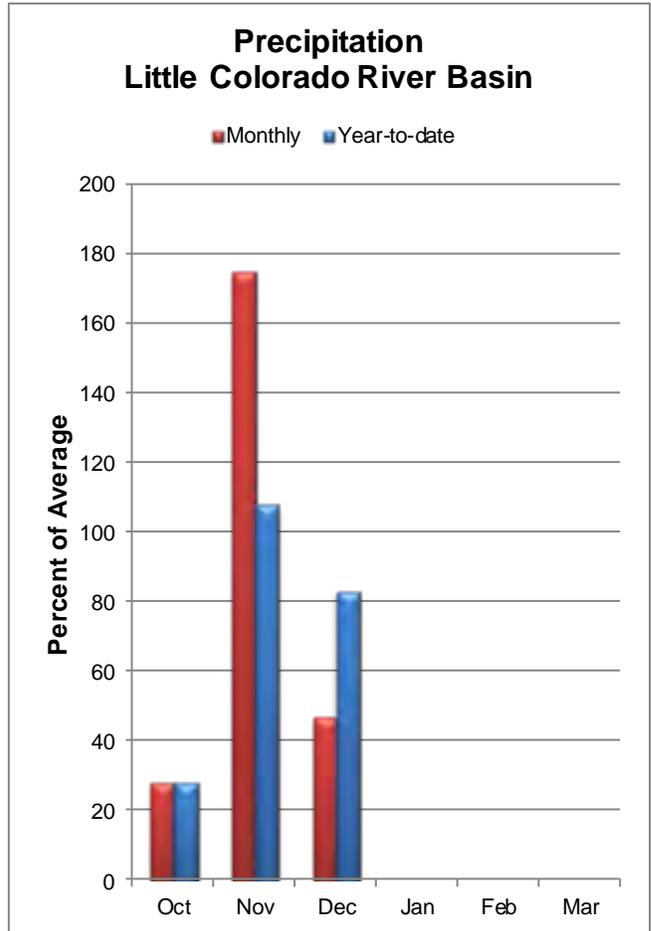
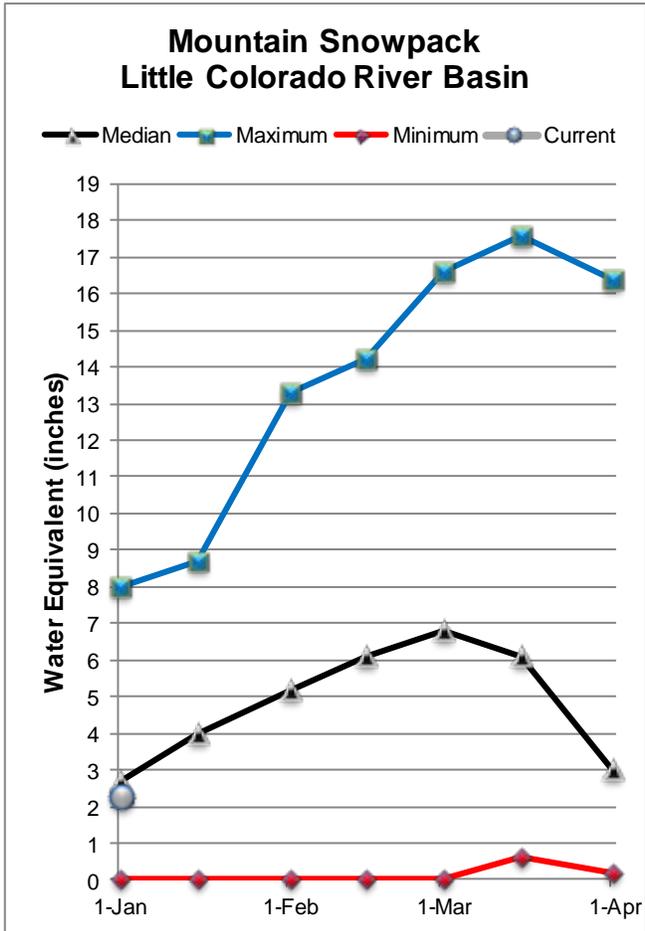
- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

Reservoir Storage End of December, 2013	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
SAN CARLOS RESERVOIR AT COOLIDGE DAM	126.0	4.4	366.8	875.0
Basin-wide Total	126.0	4.4	366.8	875.0
# of reservoirs	1	1	1	1

Watershed Snowpack Analysis January 1, 2014	# of Sites	% Median	Last Year % Median
SAN FRANCISCO-UPPER GILA RIVER BASIN	9	64%	114%

## LITTLE COLORADO RIVER BASIN as of January 1, 2014

Well below normal streamflow levels are forecast for the basin. In the Little Colorado River, above Lyman Lake, the forecast calls for 56% of median streamflow through June. At Blue Ridge (C.C. Cragin) Reservoir, inflow to the lake is forecast at 61% of median through May. Snowpacks along the southern headwaters of the Little Colorado River, and along the central Mogollon Rim, were measured at 85% and 100% of median, respectively.



### Little Colorado River Basin Streamflow Forecasts - January 1, 2014

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>	JAN-JUN	1.22	2.6	4	56%	5.8	9.4	7.1
Rio Nutria nr Ramah <sup>3</sup>	JAN-MAY	0.027	0.35	0.94	66%	1.97	4.6	1.42
Ramah Reservoir Inflow <sup>3</sup>	JAN-MAY	0	0.172	0.52	67%	1.06	2.2	0.78
Zuni R ab Black Rock Reservoir <sup>3</sup>	JAN-MAY	0	0.03	0.3	64%	1.09	3.8	0.47
Blue Ridge Reservoir Inflow <sup>3</sup>	JAN-MAY	1.59	5.5	10.2	61%	17	32	16.6
Lake Mary Reservoir Inflow <sup>3</sup>	JAN-MAY	1.13	2.6	4	83%	5.9	9.7	4.8

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

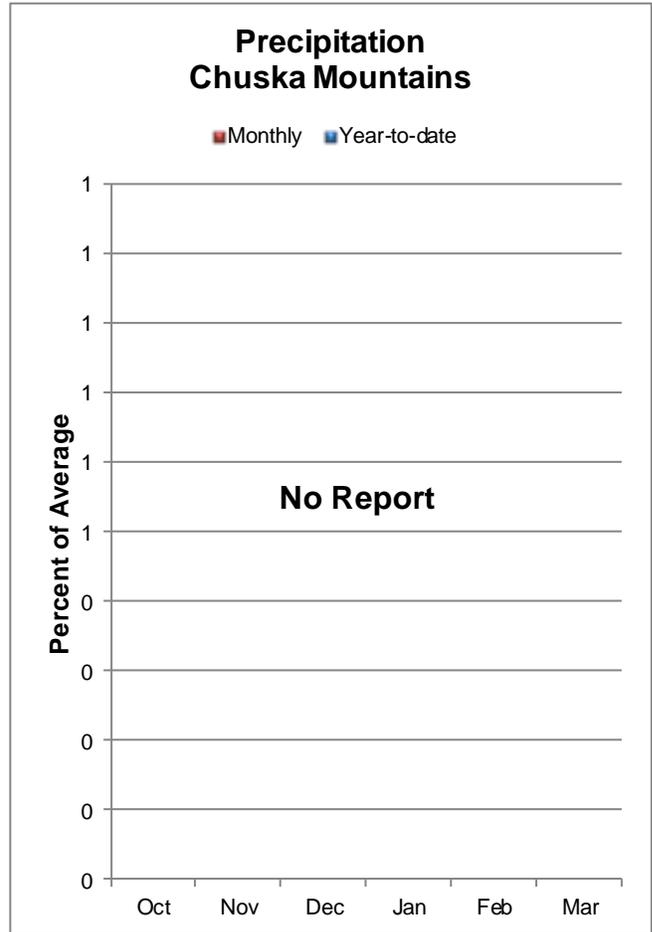
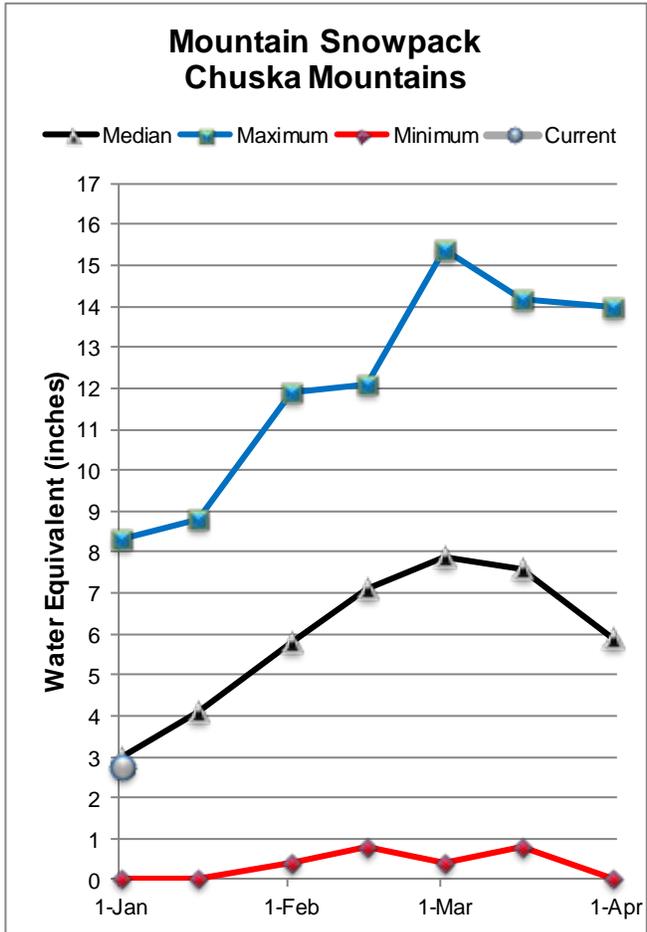
3) Median value used in place of average

Reservoir Storage End of December, 2013	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
LYMAN RESERVOIR	8.9	4.3	12.3	30.0
Basin-wide Total	8.9	4.3	12.3	30.0
# of reservoirs	1	1	1	1

Watershed Snowpack Analysis January 1, 2014	# of Sites	% Median	Last Year % Median
LITTLE COLORADO RIVER BASIN	10	85%	145%
CENTRAL MOGOLLON RIM	4	100%	199%

## CHUSKA MOUNTAINS as of January 1, 2014

Snow survey measurements conducted by staff of the Navajo Nation Water Management Branch show the Chuska snowpack to be at 94% of median. Despite the near normal snowpack, the forecast calls for below normal to well below normal runoff for Wheatfields Creek, Captain Tom Wash, Bowl Canyon Creek, and Kinlichee Creek.



## Chuska Mountains Streamflow Forecasts - January 1, 2014

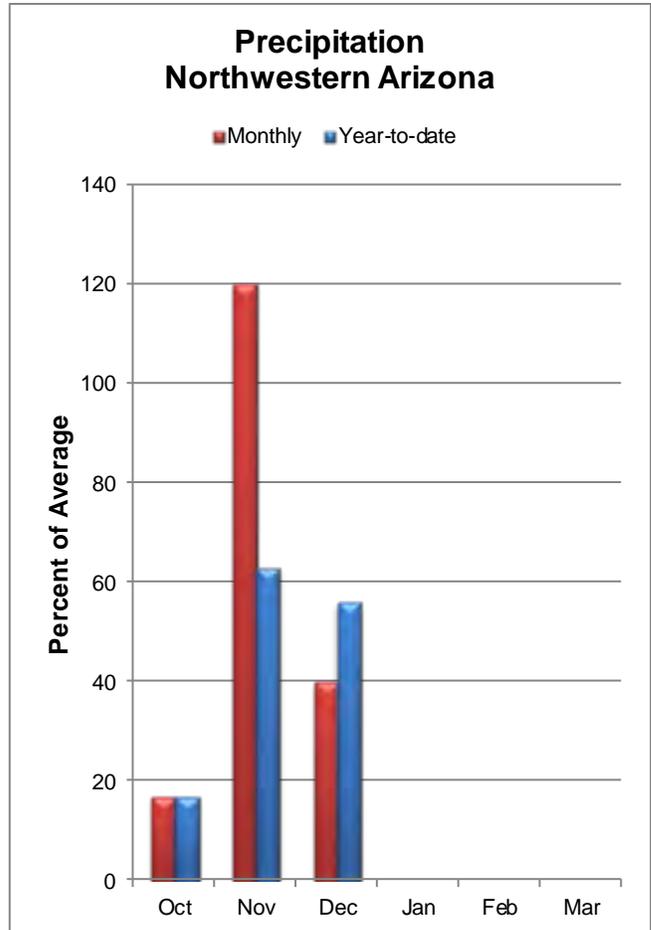
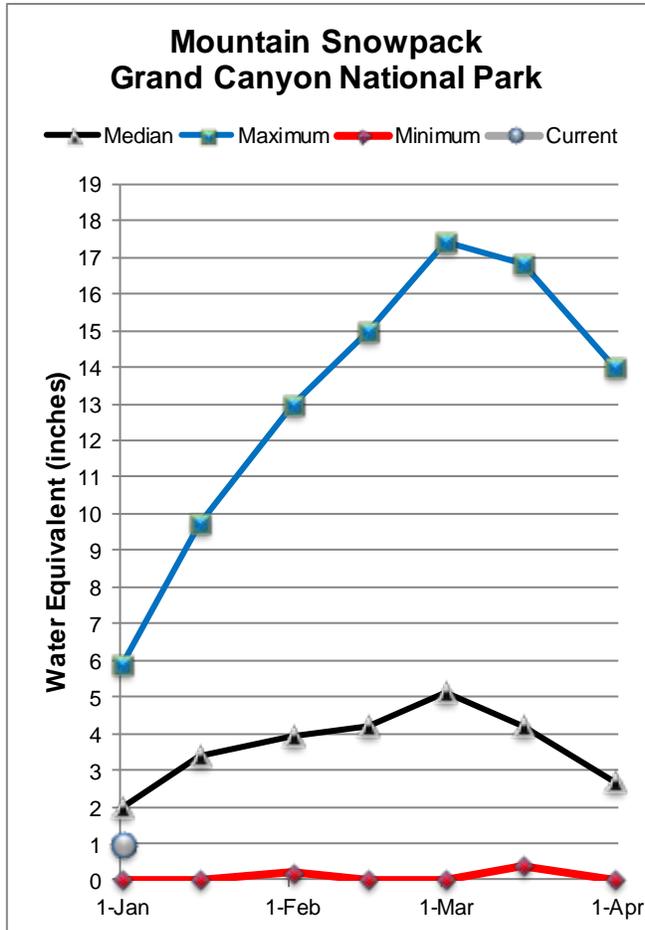
CHUSKA MOUNTAINS	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						
		90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Captain Tom Wash nr Two Gray Hills	MAR-MAY	0	0.26	1.29	50%	3.7	10.8	2.6
Wheatfields Ck nr Wheatfields	MAR-MAY	0.089	0.77	1.62	77%	2.8	5.1	2.1
Bowl Canyon Ck ab Asaayi Lake	MAR-MAY	0.103	0.52	0.98	75%	1.59	2.8	1.3
Kinlichee Ck	MAR-MAY	0	0.147	0.78	51%	2.3	6.8	1.52

- 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 January 1, 2014	# of Sites	% Median	Last Year % Median
CHUSKA MOUNTAINS	5	94%	119%
DEFIANCE PLATEAU	2	100%	226%

## NORTHWESTERN ARIZONA as of January 1, 2014

On the Colorado River, below normal inflow to Lake Powell is forecast at 91% 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 50% of median.



### Northwestern Arizona Streamflow Forecasts - January 1, 2014

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	6.5	23	40	62%	62	102	65
Lake Powell Inflow <sup>2</sup>	APR-JUL	3200	5030	6500	91%	8160	10900	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

<b>Reservoir Storage End of December, 2013</b>	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
LAKE HAVASU NEAR PARKER DAM, AZ-CA	536.8	552.1	556.4	619.0
LAKE MOHAVE AT DAVIS DAM, AZ-NV	1604.9	1570.0	1676.0	1810.0
LAKE MEAD AT HOOVER DAM, AZ-NV	12349.0	13647.0	20452.0	26159.0
LAKE POWELL AT GLEN CANYON DAM	10307.1	12707.2	17338.0	24322.0
Basin-wide Total	24797.8	28476.3	40022.4	52910.0
# of reservoirs	4	4	4	4

<b>Watershed Snowpack Analysis January 1, 2014</b>	# of Sites	% Median	Last Year % Median
NORTHWESTERN ARIZONA	1	50%	107%

**Basinwide Summary: January 1, 2014**  
**(Averages/Medians based on 1981-2010 reference period)**

Snowpack Summary for January 1, 2014
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<b>SALT RIVER BASIN</b>		Network	Elevation	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
5. BALDY	SNOTEL	9125'	9	2.6	3.7	70%	3.7	100%	
8. BEAVER HEAD	SNOTEL	7990'	2	1.4	2.7	52%	2.7	100%	
12. BUCK SPRING	SC	7400'	2	0.6	1.5	40%	2.0	133%	
16. CORONADO TRAIL	SNOTEL	8400'	0	0.2	1.8	11%	2.8	156%	
19. FORT APACHE	SC	9160'	14	2.5	3.7	68%	3.7	100%	
24. HANNAGAN MEADOWS	SNOTEL	9020'	17	3.5	5.0	70%	4.9	98%	
29. MAVERICK FORK	SNOTEL	9200'	10	2.7	4.0	68%	3.7	93%	
34. NUTRIOSO	SC	8500'	0	0.0	0.4	0%	1.5	375%	
35. NUTRIOSO	SNOTEL	8500'	0	0.0			1.6		
42. WILDCAT	SNOTEL	7850'	2	0.7	1.3	54%	3.0	231%	
44. WORKMAN CREEK	SNOTEL	6900'	15	3.5	1.9	184%	6.4	337%	
<b>Basin Index</b>							<b>68%</b>	<b>132%</b>	
# of sites							10	10	

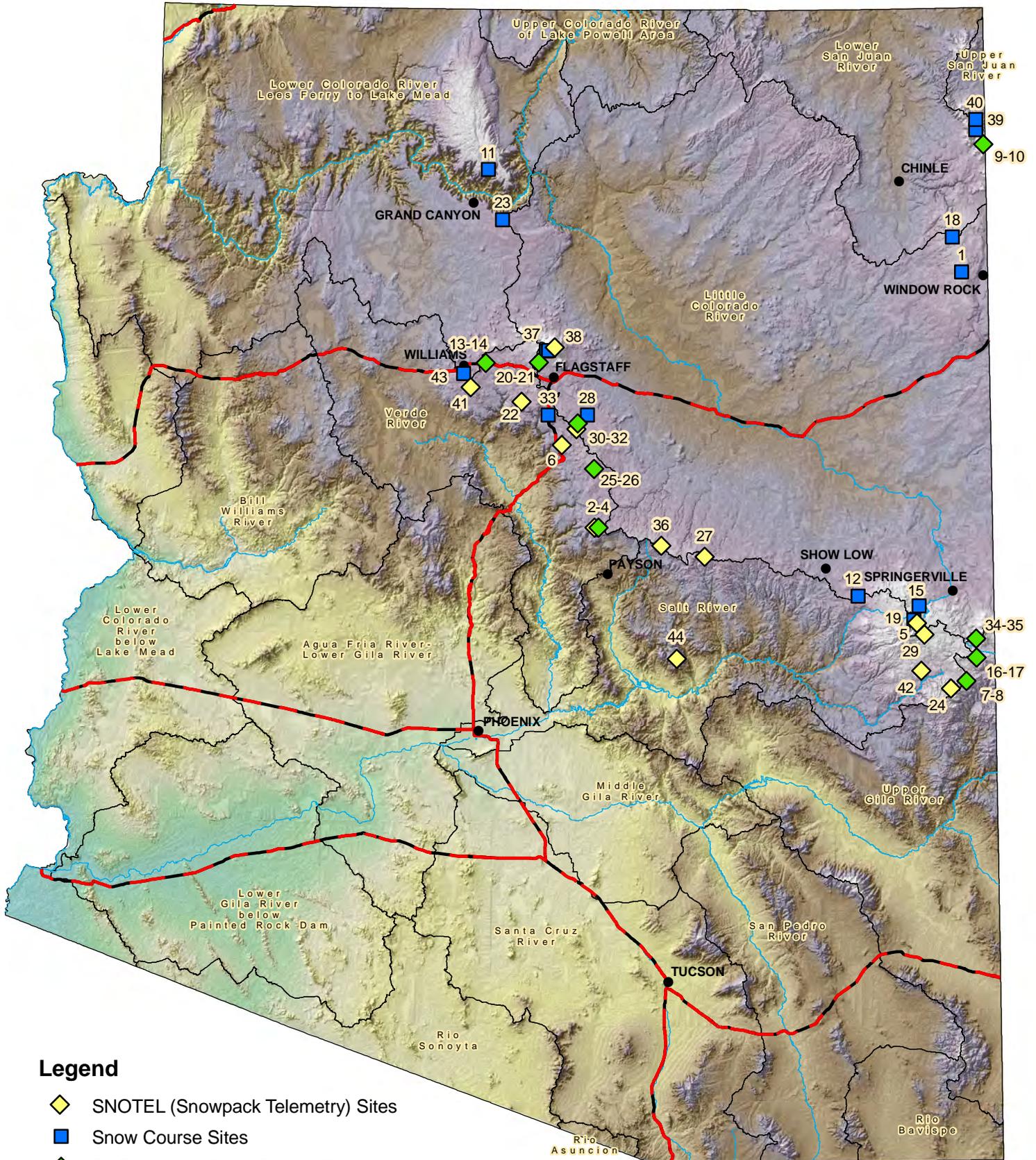
<b>VERDE RIVER BASIN</b>		Network	Elevation	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
2. BAKER BUTTE	SNOTEL	7300'	9	2.2	1.6	138%	4.3	269%	
3. BAKER BUTTE NO. 2	SC	7700'	16	3.9	3.4	115%	5.1	150%	
4. BAKER BUTTE SMT	SNOTEL	7700'	20	4.9			5.9		
6. BAR M	SNOTEL	6393'	3	1.5			3.8		
13. CHALENDER	SC	7100'	4	0.7	0.6	117%	2.0	333%	
14. CHALENDER	SNOTEL	7100'	6	1.6			2.6		
20. FORT VALLEY	SC	7350'	4	1.2	0.8	150%	2.1	263%	
21. FORT VALLEY	SNOTEL	7350'	2	1.0			2.3		
22. FRY	SNOTEL	7200'	17	3.4	2.8	121%	4.0	143%	
25. HAPPY JACK	SNOTEL	7630'	14	3.5	1.7	206%	4.9	288%	
30. MORMON MOUNTAIN	SNOTEL	7500'	8	2.9	1.8	161%	4.1	228%	
31. MORMON MOUNTAIN SUMMIT #2	SC	8470'	18	4.9	3.6	136%	5.7	158%	
32. MORMON MTN SUMMIT	SNOTEL	8500'	14	3.8			4.6		
33. NEWMAN PARK	SC	6750'	6	1.4	0.6	233%	1.8	300%	
41. WHITE HORSE LAKE	SNOTEL	7180'	3	1.9	1.4	136%	3.4	243%	
43. WILLIAMS SKI RUN	SC	7720'	15	3.5	2.6	135%	3.3	127%	
<b>Basin Index</b>							<b>141%</b>	<b>195%</b>	
# of sites							11	11	

<b>SAN FRANCISCO PEAKS</b>		Network	Elevation	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
37. SNOW BOWL #2	SC	11200'	21	5.0	8.0	63%	5.4	68%	
38. SNOWSLIDE CANYON	SNOTEL	9730'	33	8.8	8.1	109%	7.2	89%	
<b>Basin Index</b>							<b>86%</b>	<b>78%</b>	
# of sites							2	2	

<b>SAN FRANCISCO-UPPER GILA RIVER BASIN</b>		Network	Elevation	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
8. BEAVER HEAD	SNOTEL	7990'	2	1.4	2.7	52%	2.7	100%	
16. CORONADO TRAIL	SNOTEL	8400'	0	0.2	1.8	11%	2.8	156%	
FRISCO DIVIDE	SNOTEL	8000'	8	2.0	1.5	133%	2.0	133%	
24. HANNAGAN MEADOWS	SNOTEL	9020'	17	3.5	5.0	70%	4.9	98%	
HUMMINGBIRD	SC	10550'			4.4		4.8	109%	
LOOKOUT MOUNTAIN	SNOTEL	8500'	2	1.1	1.4	79%	0.8	57%	
34. NUTRIOSO	SC	8500'	0	0.0	0.4	0%	1.5	375%	
35. NUTRIOSO	SNOTEL	8500'	0	0.0			1.6		
SIGNAL PEAK	SNOTEL	8360'	4	0.9	1.9	47%	2.0	105%	
SILVER CREEK DIVIDE	SNOTEL	9000'	10	1.8	3.5	51%	3.2	91%	
STATE LINE	SC	8000'	5	1.2	0.6	200%	1.6	267%	
WHITewater	SC	10750'			9.5		10.3	108%	
<b>Basin Index</b>							<b>64%</b>	<b>114%</b>	
# of sites							9	9	

<b>LITTLE COLORADO RIVER BASIN</b>		Network	Elevation	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
2. BAKER BUTTE	SNOTEL	7300'	9	2.2	1.6	138%	4.3	269%	
3. BAKER BUTTE NO. 2	SC	7700'	16	3.9	3.4	115%	5.1	150%	
4. BAKER BUTTE SMT	SNOTEL	7700'	20	4.9			5.9		
6. BALDY	SNOTEL	9125'	9	2.6	3.7	70%	3.7	100%	
12. BUCK SPRING	SC	7400'	2	0.6	1.5	40%	2.0	133%	
15. CHEESE SPRINGS	SC	8700'	9	1.3	2.8	46%	2.4	86%	
19. FORT APACHE	SC	9160'	14	2.5	3.7	68%	3.7	100%	
27. HEBER	SNOTEL	7640'	6	1.2	1.6	75%	3.9	244%	
28. LAKE MARY	SC	6930'	11	3.0	1.0	300%	3.3	330%	
29. MAVERICK FORK	SNOTEL	9200'	10	2.7	4.0	68%	3.7	93%	
36. PROMONTORY	SNOTEL	7930'	10	2.6	3.3	79%	6.4	194%	
<b>Basin Index</b>							<b>85%</b>		<b>145%</b>
# of sites							10		10
<b>CENTRAL MOGOLLON RIM</b>		Network	Elevation	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
2. BAKER BUTTE	SNOTEL	7300'	9	2.2	1.6	138%	4.3	269%	
3. BAKER BUTTE NO. 2	SC	7700'	16	3.9	3.4	115%	5.1	150%	
4. BAKER BUTTE SMT	SNOTEL	7700'	20	4.9			5.9		
27. HEBER	SNOTEL	7640'	6	1.2	1.6	75%	3.9	244%	
36. PROMONTORY	SNOTEL	7930'	10	2.6	3.3	79%	6.4	194%	
<b>Basin Index</b>							<b>100%</b>		<b>199%</b>
# of sites							4		4
<b>CHUSKA MOUNTAINS</b>		Network	Elevation	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
9. BEAVER SPRING	SC	9220'				3.9	4.0	103%	
10. BEAVER SPRING	SNOTEL	9200'	10	3.3			4.2		
BOWL CANYON	SC	8980'	13	2.7	3.5	77%	3.0	86%	
HIDDEN VALLEY	SC	8480'	8	1.7			2.7		
MISSIONARY SPRING	SC	7940'	5	1.2	1.1	109%	2.2	200%	
39. TSAILE CANYON #1	SC	8160'	11	2.3	2.3	100%	3.5	152%	
40. TSAILE CANYON #3	SC	8920'	15	3.6	3.8	95%	4.5	118%	
WHISKEY CREEK	SC	9050'	15	3.6	3.5	103%	3.7	106%	
NAVAJO WHISKEY CK	SNOTEL	9050'	6	2.5			3.0		
<b>Basin Index</b>							<b>94%</b>		<b>119%</b>
# of sites							5		5
<b>DEFIANCE PLATEAU</b>		Network	Elevation	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
1. ARBABS FOREST	SC	7680'	3	0.6	0.9	67%	2.1	233%	
18. FLUTED ROCK	SC	7800'	7	1.3	1.0	130%	2.2	220%	
<b>Basin Index</b>							<b>100%</b>		<b>226%</b>
# of sites							2		2
<b>NORTHWESTERN ARIZONA</b>		Network	Elevation	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
11. BRIGHT ANGEL	SC	8400'	6	1.5	3.0	50%	3.2	107%	
23. GRAND CANYON	SC	7500'			0.9				
<b>Basin Index</b>							<b>50%</b>		<b>107%</b>

# Arizona Snow Survey Data Sites



## Legend

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

