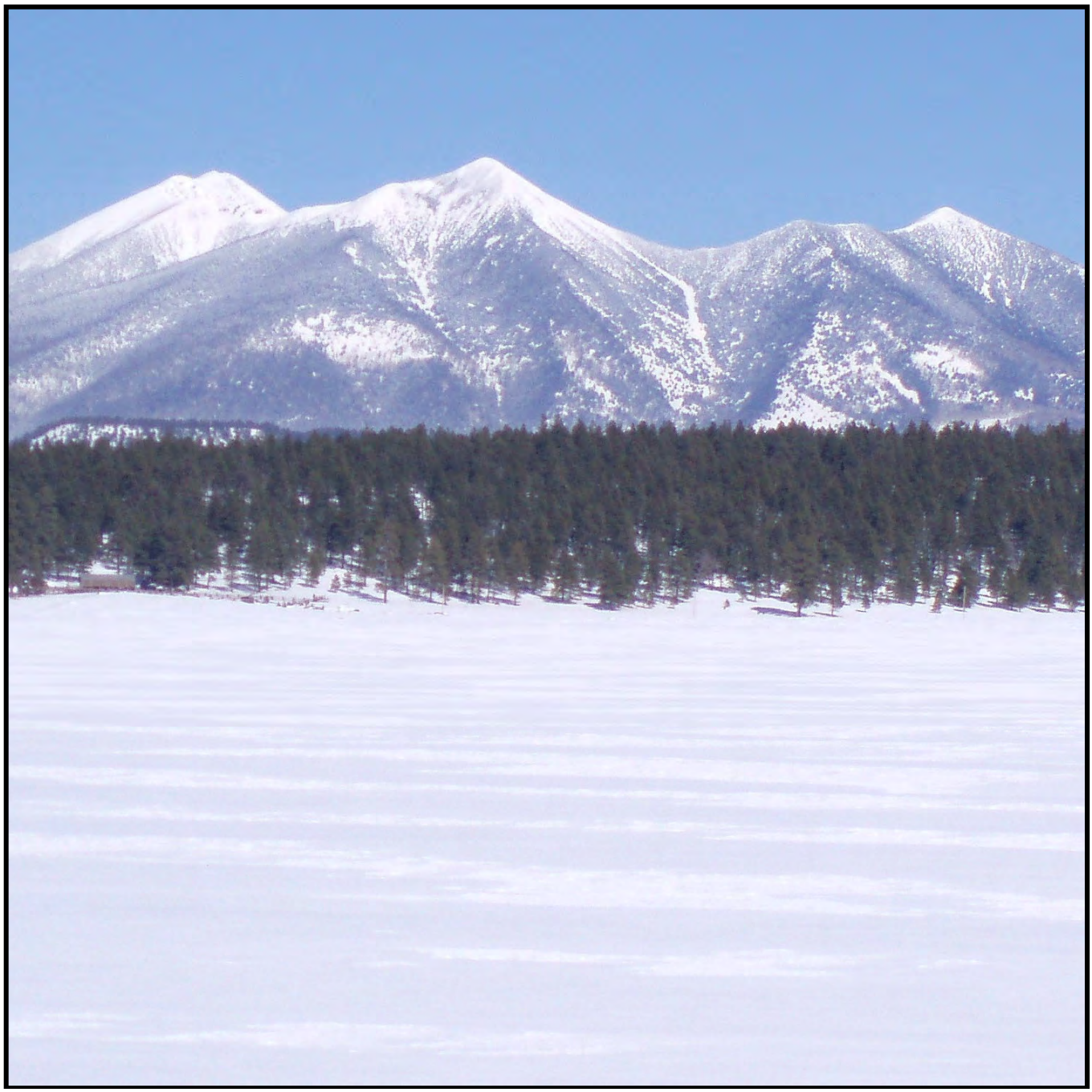
United States Department of Agriculture

Natural Resources Conservation Service

Arizona Basin Outlook Report April 1, 2022



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

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.

For more water supply and resource management information, contact:

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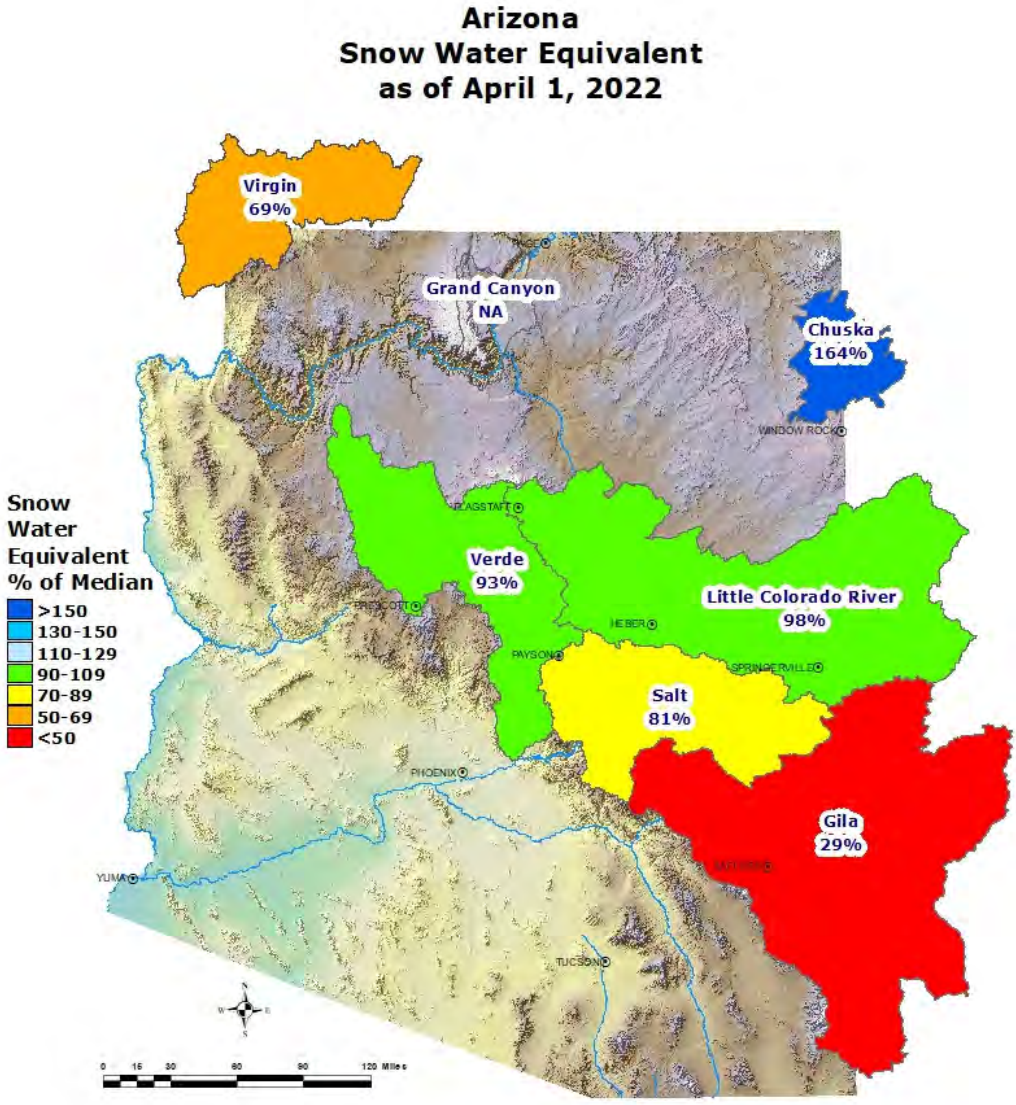
ARIZONA Basin Outlook Report
as of April 1, 2022

SUMMARY

As of April 1, snowpack levels are well below median to median throughout the major basins of the state. Precipitation for the month of March was well below median to median in the major river basins. The Salt and Verde River reservoir system stands at 71 percent of capacity, while San Carlos Reservoir is at 2 percent of capacity. The forecast calls for well below median runoff in the major basins for the spring runoff period.

SNOWPACK

Snow water equivalent levels in the state's major river basins are well below median to median, ranging from 29 percent of median in the Gila River Basin to 98 percent of median in the Little Colorado River Basin.

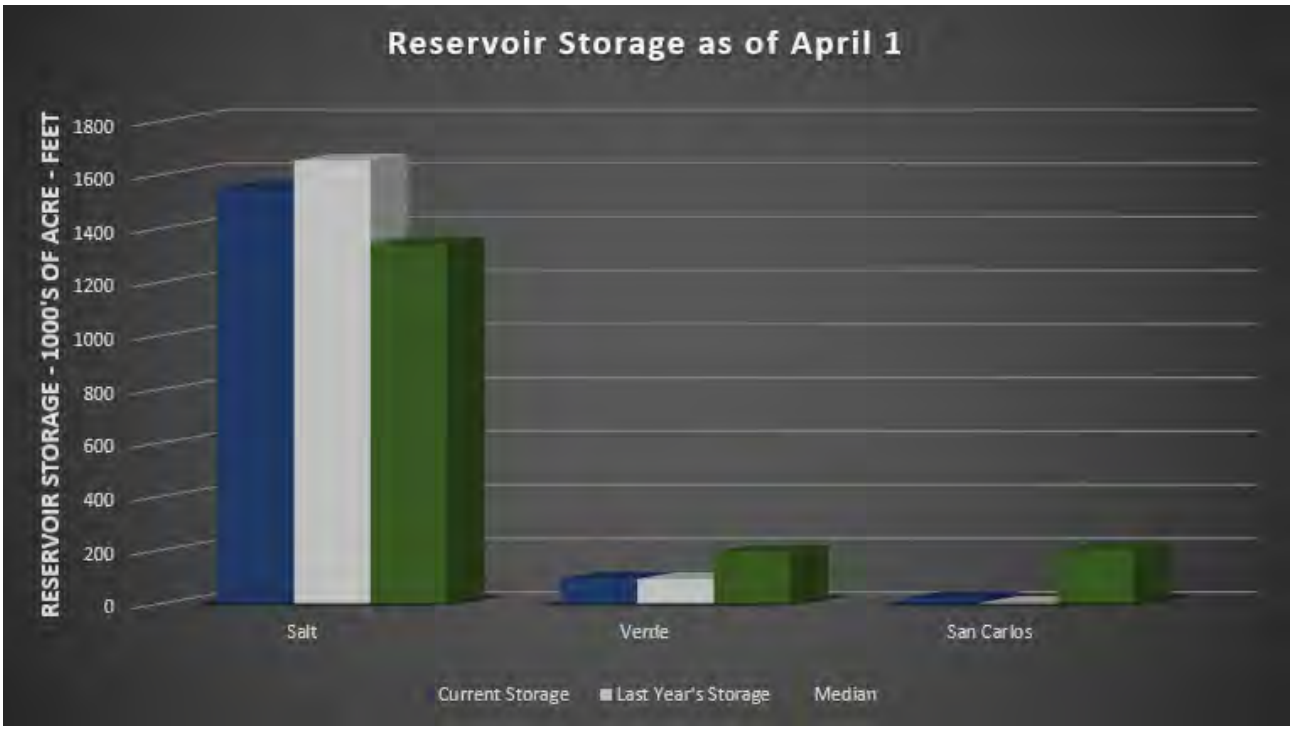


PRECIPITATION

Mountain data from NRCS SNOTEL sites and NWS Cooperator gages show that precipitation for March was well below median to median in the major river basins. Cumulative precipitation since October 1 is well below median to below median throughout the basins. Please refer to the precipitation graphs found in this report for more information on precipitation levels in the basins.

RESERVOIR STORAGE

As of April 1, the Salt and Verde River reservoir system stands at 71 percent of capacity. San Carlos Reservoir is currently at 2 percent of capacity.

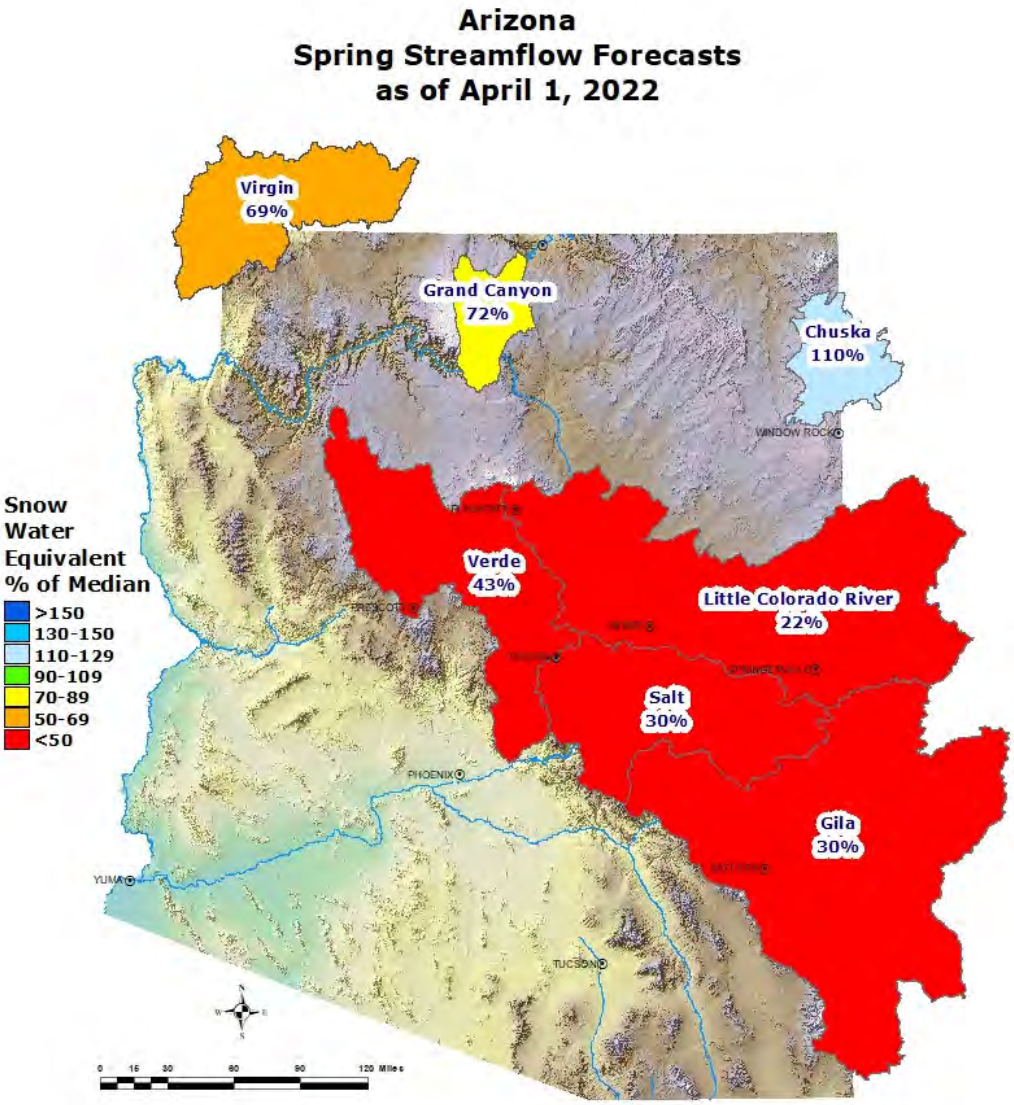


Key storage volumes displayed in thousands of acre-feet (x1000):

Reservoir	Current Storage	Last Year Storage	30-Year Median	Storage Capacity
Salt River System	1550.9	1653.7	1344.0	2025.8
Verde River System	92.9	92.2	193.6	287.4
San Carlos Reservoir	21.1	3.6	200.4	875.0
Lyman Lake	4.6	7.2	10.5	30.0
Lake Havasu	580.4	568.8	566.1	619.0
Lake Mohave	1692.9	1689.0	1684.0	1810.0
Lake Mead	8536.0	10388.0	15296.0	26159.0
Lake Powell	5812.0	8843.8	12880.0	24322.0

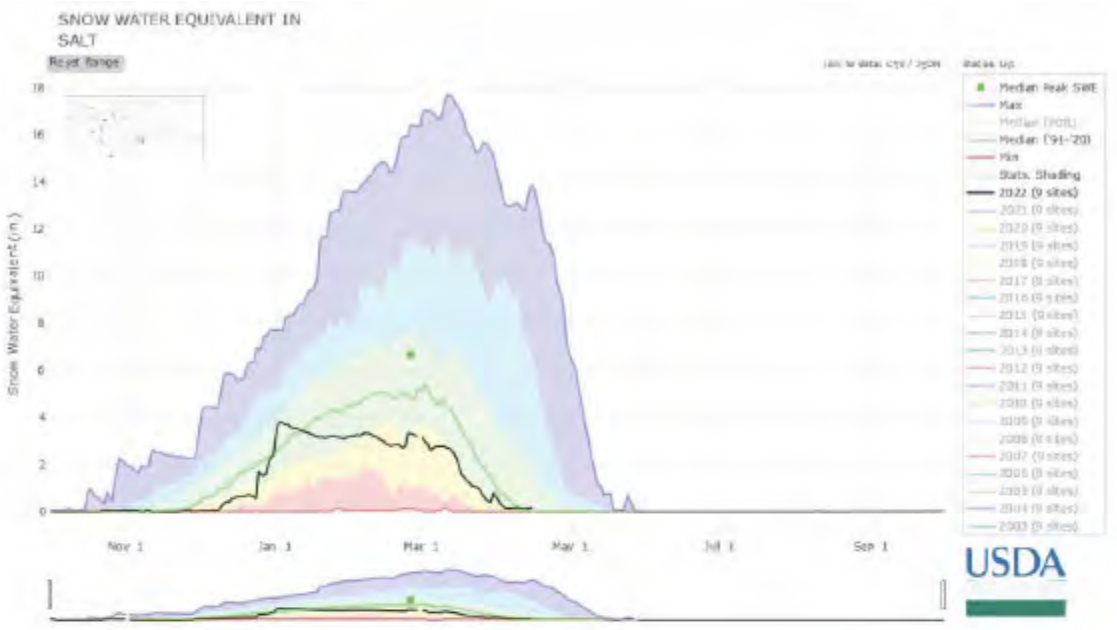
STREAMFLOW

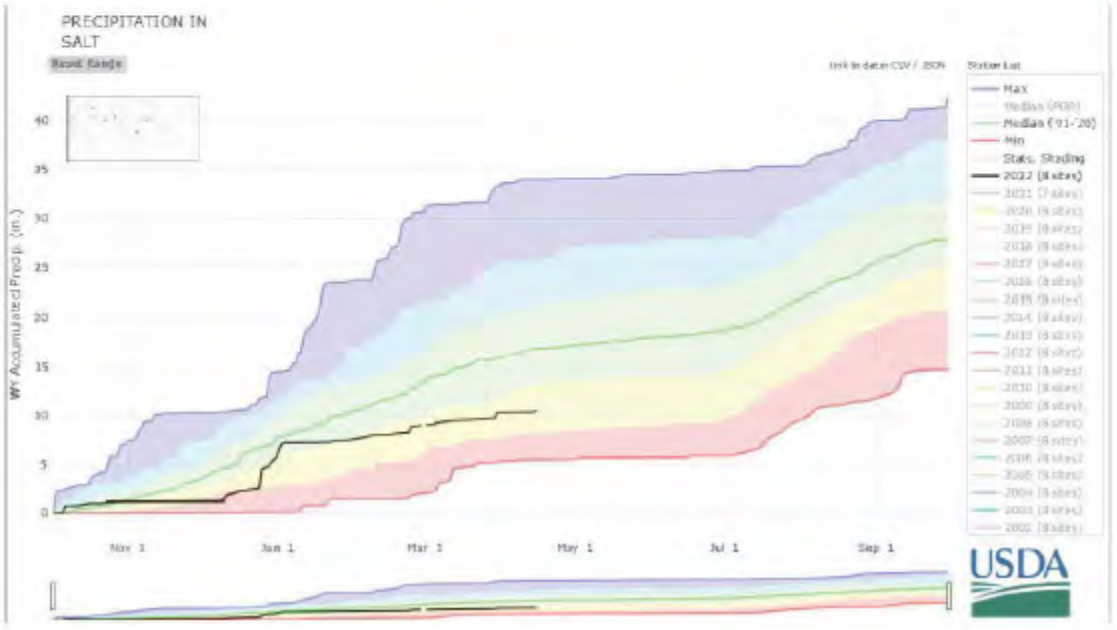
As of April 1, the forecast calls for well below median streamflow for the spring runoff period, ranging from 22 percent of median in the Little Colorado River above Lyman Lake to 43 percent of median in the Verde River above Horseshoe Dam. Please refer to the basin forecast tables found in this report for more information regarding water supply forecasts.



SALT RIVER BASIN as of April 1, 2022

Well below median streamflow levels are forecast for the basin. In the Salt River, near Roosevelt, the forecast calls for 30% of median streamflow through May, while at Tonto Creek, the forecast calls for 36% of median streamflow through May. Snow survey measurements show the Salt snowpack to be at 81% of median.





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Salt
Streamflow Forecasts - April 1, 2022

		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Salt	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Tonto Ck ab Gun Ck nr Roosevelt								
	APR			1.1	37%			3
	APR-MAY	0.18	0.71	1.4	36%	2.4	4.7	3.9
Salt R nr Roosevelt								
	APR			21	40%			53
	APR-MAY	9.6	17.1	24	30%	32	48	80

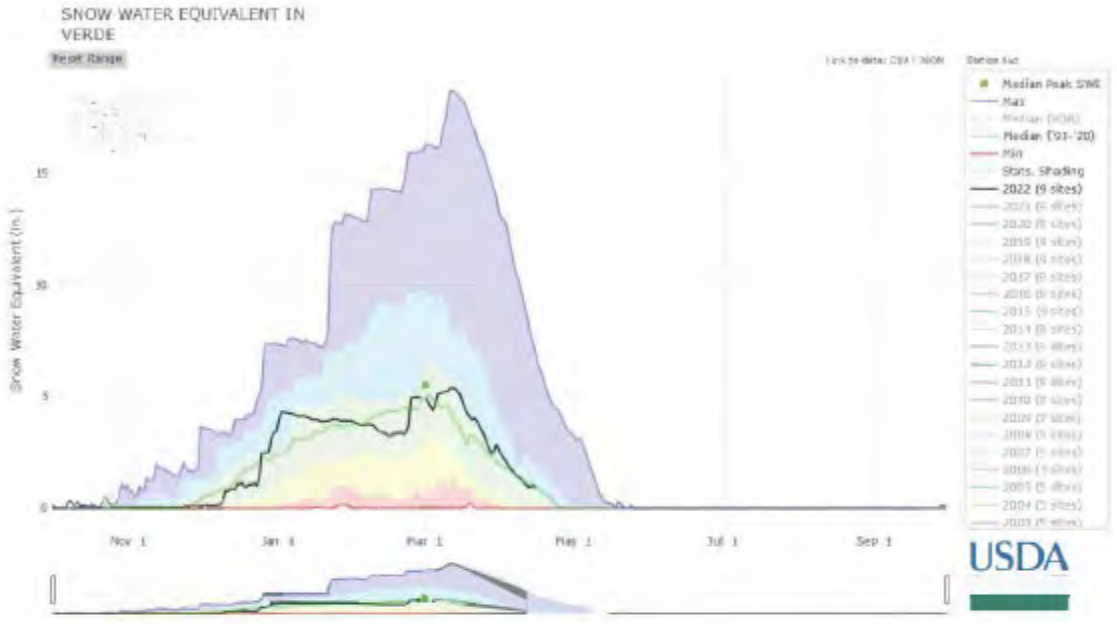
1) 90% And 10% exceedance probabilities are actually 95% And 5%
2) Forecasts are For unimpaired flows. Actual flow will be dependent On management of upstream reservoirs And diversions

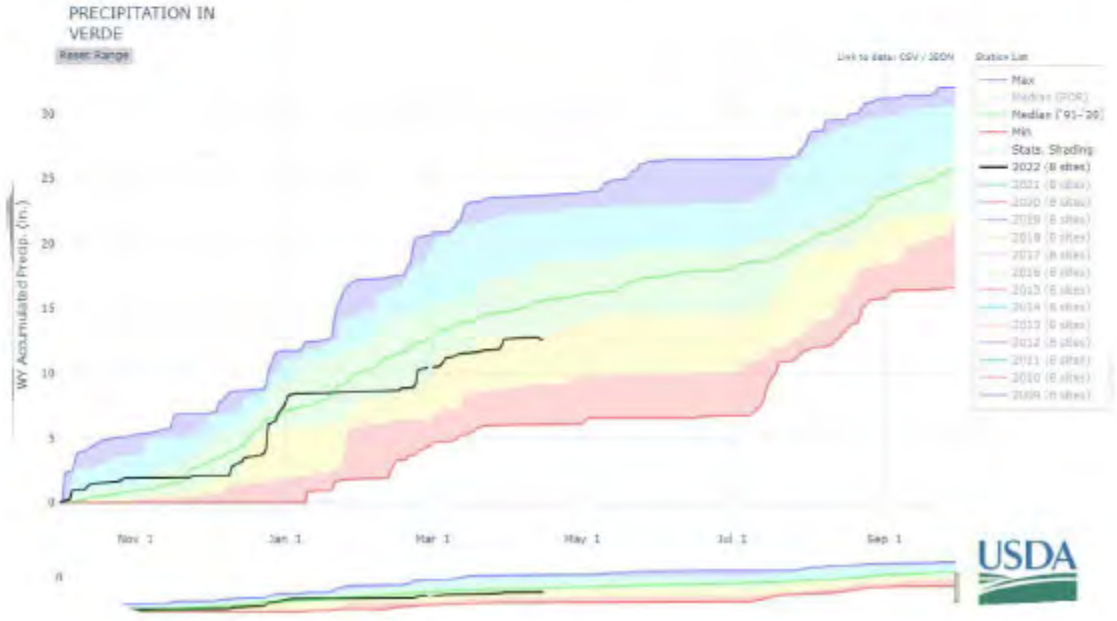
Reservoir Storage End of March, 2022	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)
Salt River Reservoir System	1550.9	1653.7	1344.0	2025.8

Watershed Snowpack Analysis April 1, 2022	# of Sites	% Median	Last Year % Median
Salt	12	81%	92%

VERDE RIVER BASIN as of April 1, 2022

Well below median streamflow levels are forecast for the basin. In the Verde River above Horseshoe Dam, the forecast calls for 43% of median streamflow through May. Snow survey measurements show the Verde snowpack to be at 93% of median.





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Verde
Streamflow Forecasts - April 1, 2022

		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Verde	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Verde R bl Tangle Ck ab Horseshoe Dam								
	APR			6.3	46%			13.7
	APR-MAY	1.94	5.7	10	43%	16	29	23

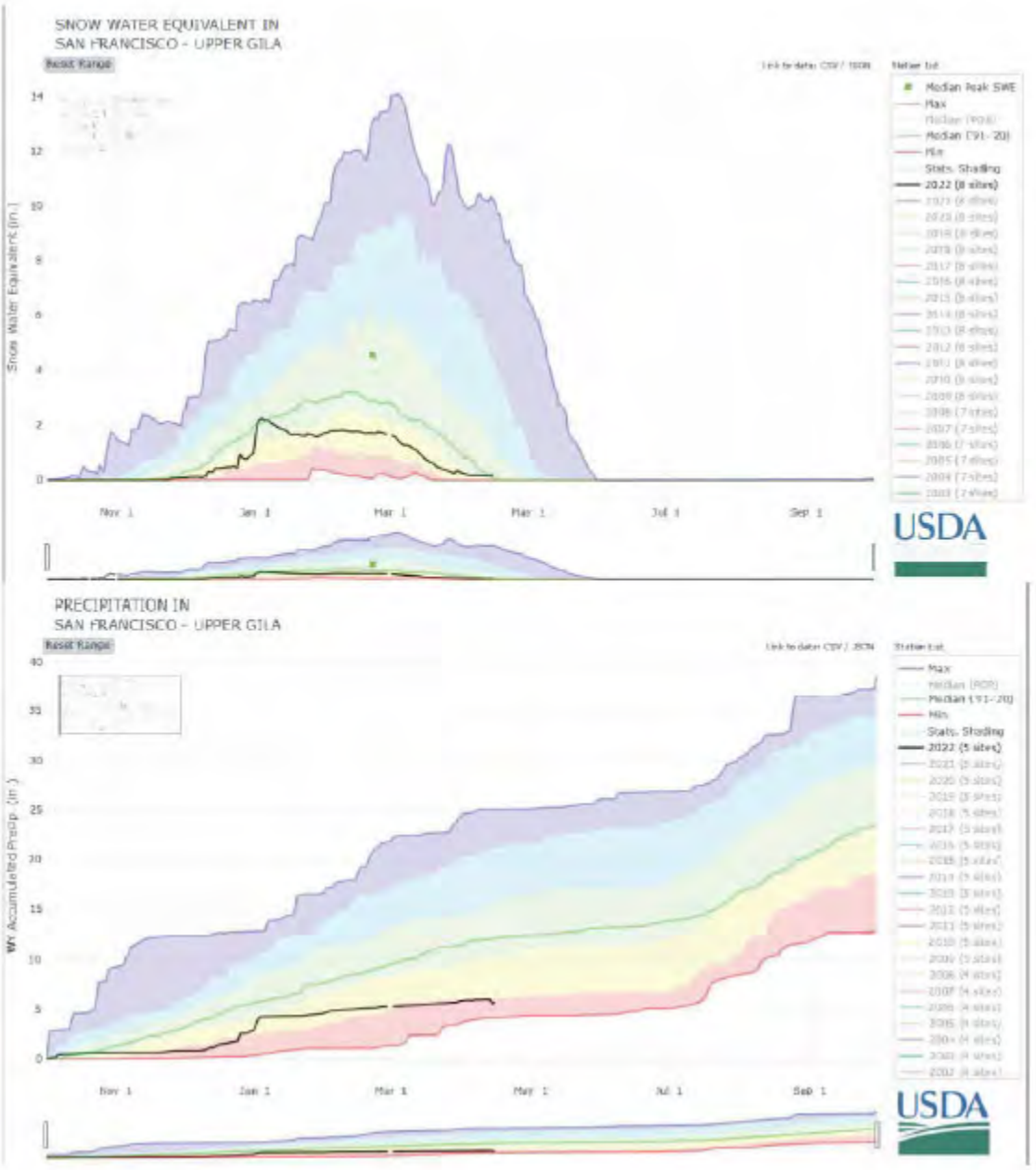
1) 90% And 10% exceedance probabilities are actually 95% And 5%
2) Forecasts are For unimpaired flows. Actual flow will be dependent On management of upstream reservoirs And diversions

Reservoir Storage End of March, 2022	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)
Verde River Reservoir System	92.9	92.2	193.6	287.4

Watershed Snowpack Analysis April 1, 2022	# of Sites	% Median	Last Year % Median
Verde	15	93%	103%

SAN FRANCISCO-UPPER GILA RIVER BASIN as of April 1, 2022

Well below median streamflow levels are forecast for the basin. In the San Francisco River, at Clifton, the forecast calls for 45% of median streamflow levels through May. In the Gila River, near Solomon, the forecast calls for 30% of median streamflow levels through May. At San Carlos Reservoir, inflow to the lake is forecast at 18% of median through May. Snow survey measurements show the snowpack for this basin to be at 29% of median.



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San Francisco - Upper Gila
Streamflow Forecasts - April 1, 2022

San Francisco - Upper Gila	Forecast Period	Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast 90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
San Carlos Reservoir Inflow								
	APR-MAY	0	0.11	1.8	18%	7.5	28	9.8
San Francisco R at Clifton								
	APR-MAY	0.76	3.1	5.5	45%	8.6	14.6	12.1
Gila R at Gila								
	APR-MAY	2.4	3.9	5.3	39%	7.1	10.2	13.6
San Francisco R at Glenwood								
	APR-MAY	0.43	1.09	1.8	34%	2.8	4.7	5.3
Gila R nr Solomon								
	APR			6.8	36%			19
	APR-MAY	0.51	3.9	8	30%	13.6	24	27
Gila R bl Blue Ck nr Virden								
	APR-MAY	0.13	1.79	4	28%	7.1	13.3	14.3

1) 90% And 10% exceedance probabilities are actually 95% And 5%

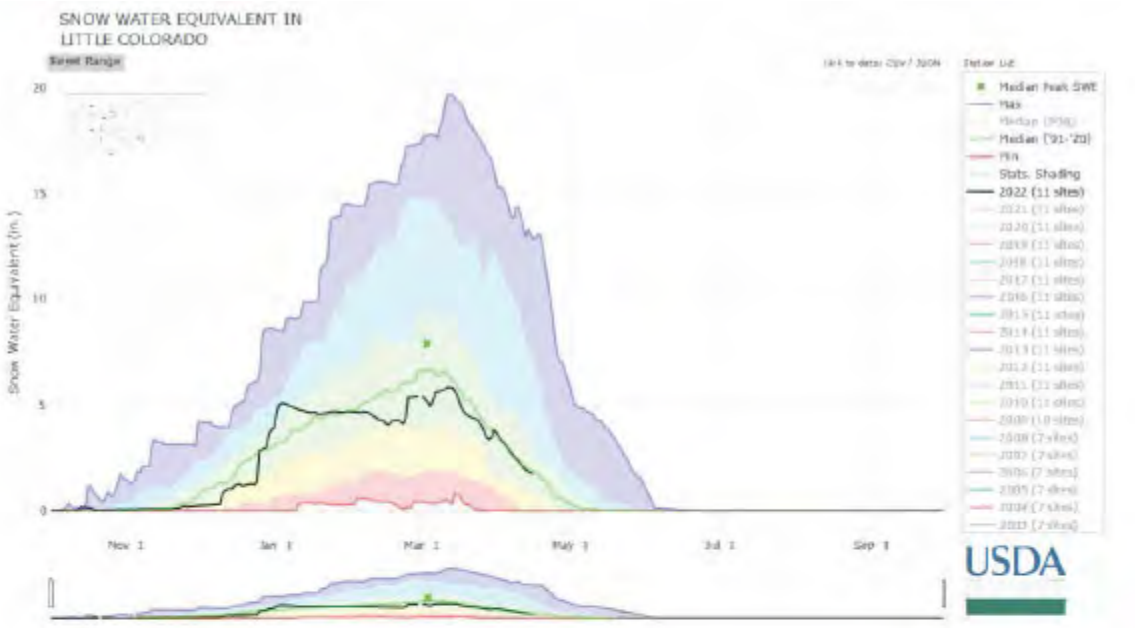
2) Forecasts are For unimpaired flows. Actual flow will be dependent On management of upstream reservoirs And diversions

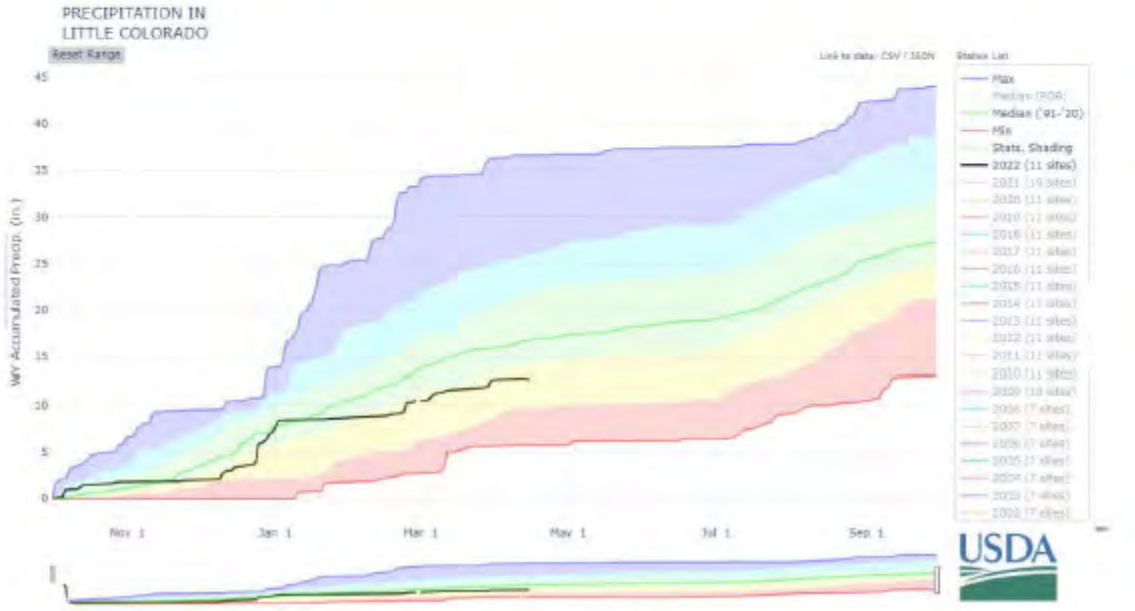
Reservoir Storage End of March, 2022	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)
San Carlos Reservoir	22.6	3.7	200.4	875.0

Watershed Snowpack Analysis April 1, 2022	# of Sites	% Median	Last Year % Median
San Francisco - Upper Gila	9	29%	76%

LITTLE COLORADO RIVER BASIN as of April 1, 2022

Well below normal streamflow levels are forecast for the basin. In the Little Colorado River, above Lyman Lake, the forecast calls for 22% of median streamflow through June. At Blue Ridge (C.C. Cragin) Reservoir, inflow to the lake is forecast at 45% of median through May. Snow survey measurements show the snowpack for this basin to be at 98% of median.





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Little Colorado
Streamflow Forecasts - April 1, 2022

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

Little Colorado	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Rio Nutria nr Ramah								
	APR-MAY	0	0.01	0.05	63%	0.16	0.49	0.08
Lake Mary Reservoir Inflow								
	APR-MAY	0.06	0.18	0.3	46%	0.47	0.83	0.65
Zuni R ab Black Rock Reservoir								
	APR-MAY	0	0	0	0%	0.04	0.23	0.1
Little Colorado R ab Lyman Lake								
	APR-JUN	0.11	0.35	0.64	22%	1.05	1.94	2.9
Blue Ridge Reservoir Inflow								
	APR-MAY	0.09	0.46	1	45%	1.84	3.8	2.2

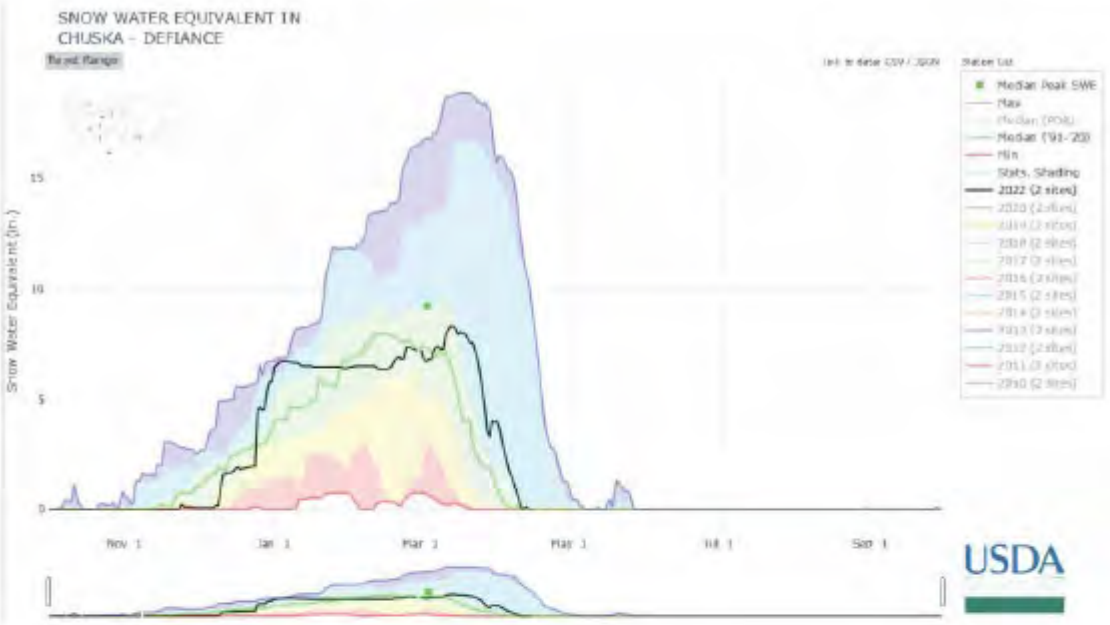
1) 90% And 10% exceedance probabilities are actually 95% And 5%
2) Forecasts are For unimpaired flows. Actual flow will be dependent On management of upstream reservoirs And diversions

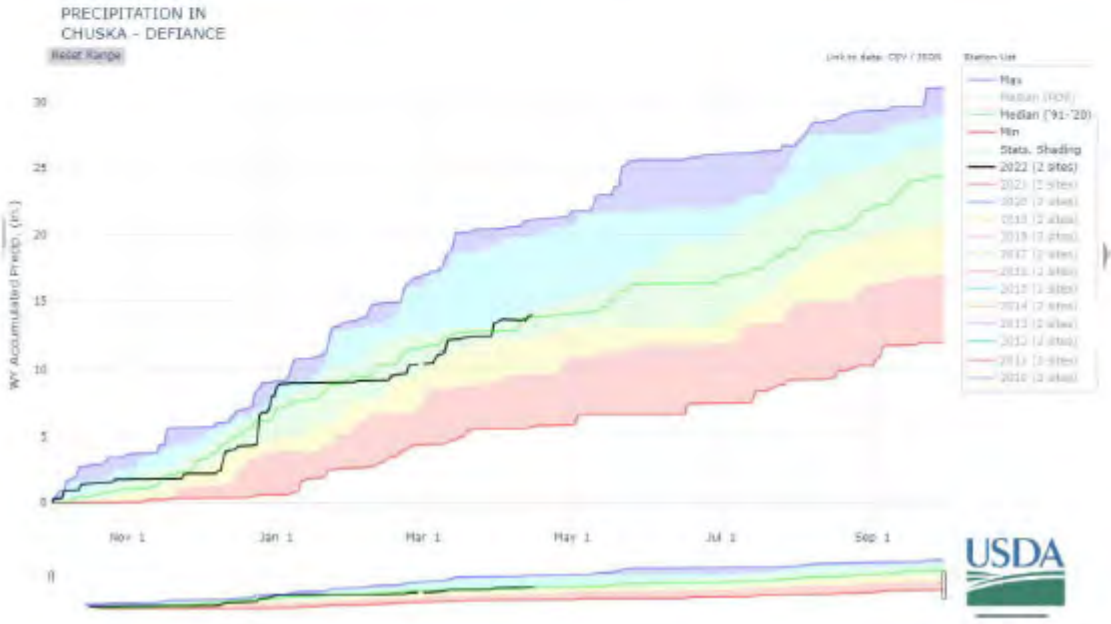
Reservoir Storage End of March, 2022	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)
Cragin Dam Reservoir	10.0	3.8	14.4	0.0
Lyman Reservoir	4.6	7.2	10.5	30.0

Watershed Snowpack Analysis April 1, 2022	# of Sites	% Median	Last Year % Median
Little Colorado	22	98%	98%

CHUSKA MOUNTAINS as of April 1, 2022

Above median streamflow levels are forecast for Wheatfields Creek, Captain Tom Wash, and Bowl Canyon Creek. Snow survey measurements conducted by staff of the Navajo Nation Water Management Branch show the Chuska snowpack to be at 164% of median.





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Chuska - Defiance
Streamflow Forecasts - April 1, 2022

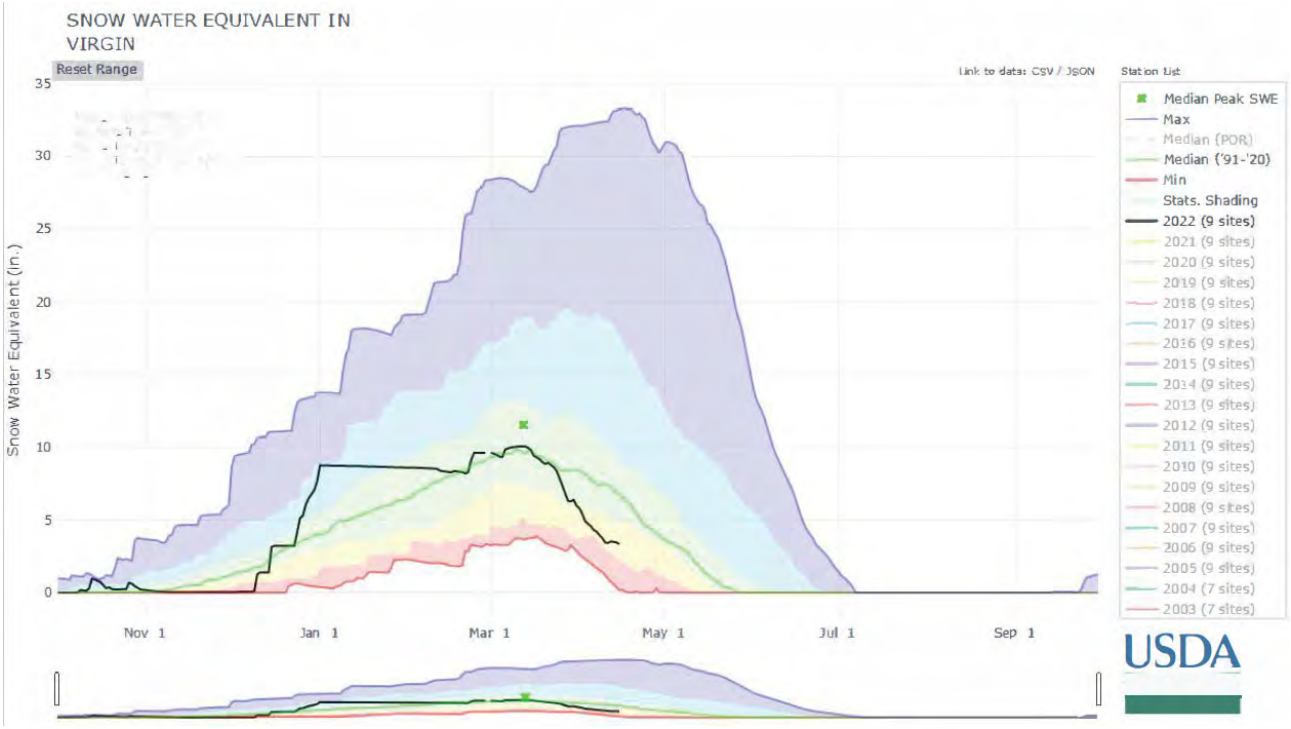
		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Chuska - Defiance	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Wheatfields Ck nr Wheatfields	MAR-MAY	0.38	0.66	0.9	108%	1.17	1.64	0.83
Bowl Canyon Ck ab Asaayi Lake	MAR-MAY	0.4	0.67	0.9	110%	1.16	1.6	0.82
Captain Tom Wash nr Two Gray Hills	MAR-MAY	0.04	0.29	0.7	113%	1.14	1.76	0.62

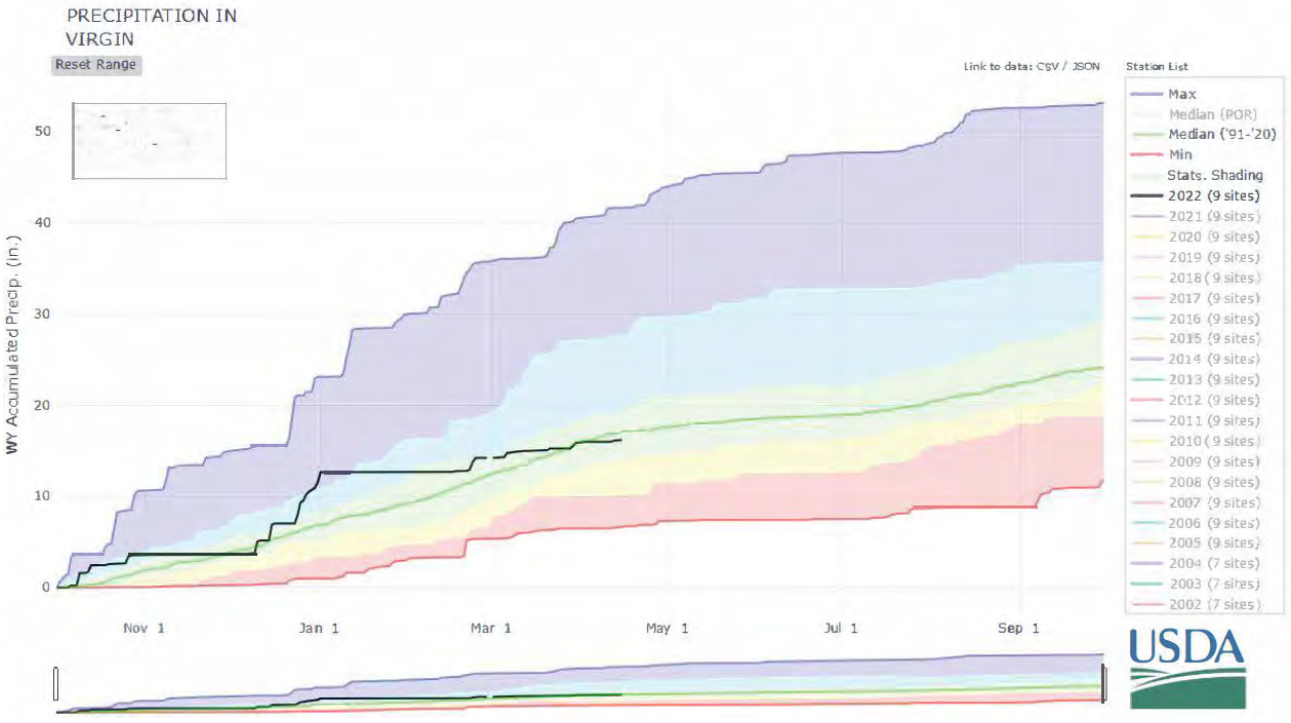
1) 90% And 10% exceedance probabilities are actually 95% And 5%
2) Forecasts are For unimpaired flows. Actual flow will be dependent On management of upstream reservoirs And diversions

Watershed Snowpack Analysis April 1, 2022	# of Sites	% Median	Last Year % Median
Chuska - Defiance	9	164%	121%

VIRGIN RIVER BASIN as of April 1, 2022

Well below median streamflow levels are forecast for the basin, ranging from 59% of median in the Santa Clara River near Pine Valley, to 70% of median in the Virgin River at Littlefield. Snow survey measurements show the snowpack for this basin to be at 69% of median.





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Virgin
Streamflow Forecasts - April 1, 2022

		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Virgin	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Virgin R nr Hurricane	APR-JUL	1.86	8.3	21	68%	34	52	31
Virgin R at Littlefield	APR-JUL	1.98	8.7	23	70%	37	58	33
Virgin R at Virgin	APR-JUL	13.6	20	25	69%	31	40	36
Santa Clara R nr Pine Valley	APR-JUL	0.89	1.45	1.9	59%	2.4	3.3	3.2

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

Reservoir Storage End of March, 2022	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)
Kolob Reservoir	3.2	2.9		5.6
Sand Hollow Reservoir	44.2	47.0		50.0
Quail Creek	27.8	28.8	31.5	40.0
Gunlock	4.5	6.0	7.5	10.4

Watershed Snowpack Analysis April 1, 2022	# of Sites	% Median	Last Year % Median
Virgin	9	69%	63%

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Streamflow Forecast Summary: April 1, 2022
(Medians based On 1991-2020 reference period)

		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
San Francisco - Upper Gila	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
San Carlos Reservoir Inflow								
	APR-MAY	0	0.11	1.8	18%	7.5	28	9.8
San Francisco R at Clifton								
	APR-MAY	0.76	3.1	5.5	45%	8.6	14.6	12.1
Gila R at Gila								
	APR-MAY	2.4	3.9	5.3	39%	7.1	10.2	13.6
San Francisco R at Glenwood								
	APR-MAY	0.43	1.09	1.8	34%	2.8	4.7	5.3
Gila R nr Solomon								
	APR			6.8	36%			19
	APR-MAY	0.51	3.9	8	30%	13.6	24	27
Gila R bl Blue Ck nr Virden								
	APR-MAY	0.13	1.79	4	28%	7.1	13.3	14.3

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2) Forecasts are For unimpaired flows. Actual flow will be dependent On management of upstream reservoirs And diversions

		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Salt	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Tonto Ck ab Gun Ck nr Roosevelt								
	APR			1.1	37%			3
	APR-MAY	0.18	0.71	1.4	36%	2.4	4.7	3.9
Salt R nr Roosevelt								
	APR			21	40%			53
	APR-MAY	9.6	17.1	24	30%	32	48	80

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		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Little Colorado	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Rio Nutria nr Ramah								
	APR-MAY	0	0.01	0.05	63%	0.16	0.49	0.08
Lake Mary Reservoir Inflow								
	APR-MAY	0.06	0.18	0.3	46%	0.47	0.83	0.65
Zuni R ab Black Rock Reservoir								
	APR-MAY	0	0	0	0%	0.04	0.23	0.1
Little Colorado R ab Lyman Lake								
	APR-JUN	0.11	0.35	0.64	22%	1.05	1.94	2.9
Blue Ridge Reservoir Inflow								
	APR-MAY	0.09	0.46	1	45%	1.84	3.8	2.2

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		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Verde	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Verde R bl Tangle Ck ab Horseshoe Dam								
	APR			6.3	46%			13.7
	APR-MAY	1.94	5.7	10	43%	16	29	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

		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Chuska - Defiance	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Wheatfields Ck nr Wheatfields								
	MAR-MAY	0.38	0.66	0.9	108%	1.17	1.64	0.83
Bowl Canyon Ck ab Asaayi Lake								
	MAR-MAY	0.4	0.67	0.9	110%	1.16	1.6	0.82
Captain Tom Wash nr Two Gray Hills								
	MAR-MAY	0.04	0.29	0.7	113%	1.14	1.76	0.62

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

		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Grand Canyon	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Lake Powell Inflow [2]								
	APR-JUL	2690	3660	4400	72%	5210	6530	6130

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

		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Virgin	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Virgin R nr Hurricane								
	APR-JUL	1.86	8.3	21	68%	34	52	31
Virgin R at Littlefield								
	APR-JUL	1.98	8.7	23	70%	37	58	33
Virgin R at Virgin								
	APR-JUL	13.6	20	25	69%	31	40	36
Santa Clara R nr Pine Valley								
	APR-JUL	0.89	1.45	1.9	59%	2.4	3.3	3.2

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

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Basinwide Summary: April 1, 2022
(Medians based On 1991-2020 reference period)

Snowpack Summary For April 1, 2022

San Francisco - Upper Gila	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Beaver Head	SNOTEL	7990	1	1.3	0.0		0.0	
Coronado Trail	SC	8350	0	0.0	0.0		3.1	
Coronado Trail	SNOTEL	8400	0	0.0	0.0		0.0	
Frisco Divide	SNOTEL	8000	0	0.0	0.0		0.0	
Hannagan Meadows	SNOTEL	9020	0	0.4	3.0	13%	0.2	7%
Lookout Mountain	SNOTEL	8500	0	0.0	0.0		0.0	
Nutrioso	SC	8500	0	0.0	0.0			
Nutrioso	SNOTEL	8500	0	0.0	0.0		0.0	
Signal Peak	SNOTEL	8360	1	0.1	0.0		0.0	
Silver Creek Divide	SNOTEL	9000	1	0.3	4.2	7%	2.2	52%
State Line	SC	8000			0.0			
Basin Index						**29%**		**76%**
# of sites						9		9

Salt	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Baldy	SNOTEL	9125	3	0.6	0.4	150%	0.0	0%
Beaver Head	SNOTEL	7990	1	1.3	0.0		0.0	
Buck Spring	SC	7400	0	0.0	0.0		2.9	
Coronado Trail	SC	8350	0	0.0	0.0		3.1	
Coronado Trail	SNOTEL	8400	0	0.0	0.0		0.0	
Fort Apache	SC	9160	19	5.5	4.5	122%	3.1	69%
Hannagan Meadows	SNOTEL	9020	0	0.4	3.0	13%	0.2	7%
Hawley Lake	SNOTEL	8300	26	9.2			7.1	
Heber	SNOTEL	7640	0	0.0	0.0		0.0	
Maverick Fork	SNOTEL	9200	4	2.1	2.3	91%	0.0	0%
Promontory	SNOTEL	7930	1	0.2	2.2	9%	2.1	95%
Wildcat	SNOTEL	7850	0	0.0	0.0		0.0	
Workman Creek	SNOTEL	6900	0	0.0	0.0		0.0	
Basin Index						**81%**		**92%**
# of sites						12		12

Little Colorado	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Baker Butte	SNOTEL	7300	0	0.0	0.0		0.0	
Baker Butte No. 2	SC	7700	7	2.4	6.6	36%	8.8	133%
Baker Butte Smt	SNOTEL	7700	23	8.3	10.8	77%	11.7	108%
Baldy	SNOTEL	9125	3	0.6	0.4	150%	0.0	0%
Boon	SC	8140	5	1.8	0.0		1.0	
Buck Spring	SC	7400	0	0.0	0.0		2.9	
Cheese Springs	SC	8700	10	3.2	1.1	291%	1.0	91%
Dan Valley	SC	7640	0	0.0	0.0		0.4	
Fort Apache	SC	9160	19	5.5	4.5	122%	3.1	69%
Fort Valley	SC	7350	0	0.0	0.0		0.0	
Fort Valley	SNOTEL	7350	0	0.1	0.0		0.0	
Heber	SNOTEL	7640	0	0.0	0.0		0.0	
Lake Mary	SC	6930	0	0.0	0.0		0.0	
Maverick Fork	SNOTEL	9200	4	2.1	2.3	91%	0.0	0%
Mcgaffey	SC	8120	0	0.0	0.0		0.2	

Mormon Mountain	SNOTEL	7500	2	0.0	0.0		0.0	
Mormon Mountain Summit #2	SC	8470	20	8.2	8.3	99%	6.3	76%
Mormon Mtn Summit	SNOTEL	8500	27	9.4	6.2	152%	7.0	113%
Nutrioso	SC	8500	0	0.0	0.0			
Nutrioso	SNOTEL	8500	0	0.0	0.0		0.0	
Promontory	SNOTEL	7930	1	0.2	2.2	9%	2.1	95%
Snow Bowl #2	SC	11200	47	13.0	17.0	76%	12.8	75%
Snowslide Canyon	SNOTEL	9730	41	18.2	15.2	120%	15.5	102%
Basin Index						**98%**		**98%**
# of sites						22		22

Verde	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Baker Butte	SNOTEL	7300	0	0.0	0.0		0.0	
Baker Butte No. 2	SC	7700	7	2.4	6.6	36%	8.8	133%
Baker Butte Smt	SNOTEL	7700	23	8.3	10.8	77%	11.7	108%
Bar M	SNOTEL	6393	0	0.0			0.0	
Chalender	SC	7100	0	0.0	0.0			
Chalender	SNOTEL	7100	0	0.3	0.0		0.0	
Fort Valley	SC	7350	0	0.0	0.0		0.0	
Fort Valley	SNOTEL	7350	0	0.1	0.0		0.0	
Fry	SNOTEL	7200	0	0.0	0.0		0.0	
Happy Jack	SC	7630	0	0.0	0.0		0.0	
Happy Jack	SNOTEL	7630	5	3.6	0.0		3.8	
Mormon Mountain	SNOTEL	7500	2	0.0	0.0		0.0	
Mormon Mountain Summit #2	SC	8470	20	8.2	8.3	99%	6.3	76%
Mormon Mtn Summit	SNOTEL	8500	27	9.4	6.2	152%	7.0	113%
Newman Park	SC	6750	0	0.0	0.0		0.0	
Snow Bowl #2	SC	11200	47	13.0	17.0	76%	12.8	75%
White Horse Lake	SNOTEL	7180	0	0.0	0.0		0.0	
Williams Ski Run	SC	7720			5.4			
Basin Index						**93%**		**103%**
# of sites						15		15

Chuska - Defiance	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Beaver Spring	SC	9220	17	5.6	6.0	93%	2.3	38%
Beaver Spring	SNOTEL	9200	16	6.2	2.0	310%	4.9	245%
Bowl Canyon	SC	8980	27	8.6	6.6	130%	5.8	88%
Fluted Rock	SC	7800	0	0.0	0.0		0.0	
Hidden Valley	SC	8480	20	7.4	3.2	231%	3.8	119%
Missionary Spring	SC	7940	0	0.0	0.0		0.0	
Navajo Whiskey Ck	SNOTEL	9050	6	1.8	0.0			
Tsaile Canyon #1	SC	8160	11	4.0	0.7	571%	3.0	429%
Tsaile Canyon #3	SC	8920	17	6.6	5.5	120%	8.4	153%
Whiskey Creek	SC	9050	30	11.6	6.5	178%	8.6	132%
Basin Index						**164%**		**121%**
# of sites						9		9

Grand Canyon	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Bright Angel	SC	8400			4.4			
Grand Canyon	SC	7500	1	0.2	0.0		0.0	
Basin Index								

	# of sites					1		1

Virgin	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Gardner Peak	SNOTEL	8322	9	4.2	12.8	33%	7.0	55%
Gutz Peak	SNOTEL	6763	5	2.7	2.6	104%	0.4	15%
Harris Flat	SNOTEL	7792	5	2.2	2.6	85%	0.0	0%
Kolob	SNOTEL	9263	48	17.5	21.0	83%	13.1	62%
Little Grassy	SNOTEL	6065	0	0.0	0.0		0.0	
Long Flat	SNOTEL	7982	0	0.0	1.5	0%	2.3	153%
Long Valley Jct	SNOTEL	7465	0	0.0	0.0		0.0	
Midway Valley	SNOTEL	9827	56	17.2	22.5	76%	15.0	67%
Webster Flat	SNOTEL	9203	23	8.4	12.6	67%	9.9	79%
Basin Index						**69%**		**63%**
# of sites						9		9