NRCS Natural Resources Conservation Service

USDA

New Mexico
Water Supply Outlook Report
May 1, 2023

Jaz Ammon, NRCS New Mexico Water Supply Specialist, skis toward the Taos Powderhorn SNOTEL station in the Sangre de Cristo Mountains on April 27th, 2023. Snow Water Equivalent [SWE] at this site measured 121% of median on May 1. NRCS Photo: Aaron Miller.

Basin Outlook Reports

and

Federal - State - Private Cooperative Snow Surveys

For more New Mexico water supply and resource management information, contact:

Jaz Ammon
Water Supply Specialist (Hydrologic Technician)
Natural Resources Conservation Service
Snow Survey and Water Supply Forecasting
100 Sun Avenue NE, Suite 602
Albuquerque, NM 87109
(575) 500-2195

https://www.nrcs.usda.gov/conservation-basics/conservation-by-state/new-mexico/new-mexico-snow-survey

---

How forecasts are made

Most of the annual streamflow in the western United States 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 SNOTEL sites, along with precipitation, antecedent streamflow, and indices of the El Niño / Southern Oscillation are used in computerized statistical and simulation models to prepare runoff forecasts. These forecasts are coordinated between hydrologists in the Natural Resources Conservation Service and the National Weather Service. Unless otherwise specified, all forecasts are for flows that would occur naturally without any upstream influences.

Forecasts of any kind, of course, are not perfect. Streamflow forecast uncertainty arises from three primary sources: (1) uncertain knowledge 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 others can be interpreted similarly.

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 if they wish to increase their chances of having an adequate supply of water for their operations, they may want to base their decisions on the 90% or 70% exceedance probability forecasts, or something in between. On the other hand, if users are concerned about receiving too much water (for example, threat of flooding), they may want to base their decisions on the 30% or 10% exceedance probability forecasts, or something in between. Regardless of the forecast value users choose for operations, they should be prepared to deal with either more or less water. (Users should remember that even if the 90% exceedance probability forecast is used, there is still a 10% chance of receiving less than this amount). By using the exceedance probability information, users can easily determine the chances of receiving more or less water than predicted in the forecast.

May 1, 2023, Summary

April showed essentially the opposite trends from those of March across the state's water supply basins with dry, windy, and dusty conditions leading to a decidedly less optimistic outlook for water supply than expected one month ago. March was an anomalously snowy month across nearly all the mountainous regions in New Mexico. This high March precipitation, as could be expected, increased the April forecast volumes from values produced on March 1st. To accounting for such persistently dry conditions in April, forecast volumes have generally been downscaled for the May 1st publication date. Still, most New Mexico forecast basins can expect above to well above median runoff for the remainder of the spring and summer. This expectation is qualified by the significant dust deposition in the Rio Grande Headwaters which will likely result in advanced runoff timing, leaving less volume remaining for the later summer months. The Sangre de Cristo range near the Colorado-New Mexico border remained the driest zone in the northern New Mexico headwaters region with below to well below median runoff expected in these localized tributaries for the remainder of the season. Many observation points still held a considerable amount of snow on May 1st when they would typically be nearly to completely snow-free. This remarkable snowfall and subsequent later season retention has substantially improved the outlook for snowmelt translating into observed streamflow during the spring runoff period, particularly when compared to the very dry spring conditions which occurred last year. When compared against April 2022 observations, the snowpack and overall water supply picture are *dramatically* improved as New Mexico moves fully into 2023 the growing season. Generally robust fall baseflows coupled with reduced soil moisture deficits going into winter should combine with these improved snow totals to translate into higher runoff efficiencies than those of the past several years. When long-term normal conditions show zero snow on May 1st, it can be challenging to mathematically demonstrate how far above normal the existing snowpack retention truly is. Overall, the May 1st water supply outlook looks positive for reducing the strain of prolonged drought throughout the state. This is the final formal Snow Survey and Water Supply Forecasting report for water year 2023 in New Mexico, although the summer monsoon cycle typically provides significant water input later in the growing season.

Recording data is essential to the Snow Survey effort. This site visit was the final field data collection outing for the NRCS New Mexico Snow Survey Program in Water Year 2023. NRCS Photo: Aaron Miller.

Snowpack

By May 1st, several New Mexico basins normally retain zero to near zero snowpack, even in the highest elevations. This year, measurable Snow Water Equivalent [SWE] remained on the ground in all major basin headwater ranges aside from the Gila and Zuni regions on the 1st of May. Following a very dry spring in 2022, the most notable increases in remaining observable SWE occurred in the Canadian, Pecos, and Lower Rio Grande basins. Since zero SWE was observed at NRCS monitoring sites in the Canadian basin by May 1st of last year, statistical comparisons are mathematically problematic for that area. While the absolute value, in inches of SWE, may not be overwhelmingly high, comparing an above normal in-situ snowpack with a prior year which held only a single digit percent of median shows how unique this late-season snowpack has been throughout New Mexico. This is particularly noteworthy in the three basins highlighted above, as seen in (***figure 1***). Snowpack monitoring basins throughout New Mexico retained above to well above normal SWE as of May 1, except for the Gila and Zuni ranges where full snowmelt occurred earlier in April.

When the long- term normal for a given variable is zero, a percent of normal cannot be calculated. This is often the case for SWE values at several SNOTEL sites and manual snow courses during the May 1st observation cycle. While automated tools such as the NRCS interactive climate map will not display a representative percent of normal value for the entire basin under these circumstances, a closer look at individual measurement sites can more accurately portray the abnormally high SWE value present at the site during the period of interest. In truth, with a long-term normal of zero, *any* observed SWE value would be abnormally high for this time of year. More detailed reporting of conditions within each basin where NRCS SWE measurements are recorded in New Mexico can be viewed in the attached basinwide Snowpack Summary. Users are also encouraged to explore the NRCS Water and Climate Center's Interactive Map to further explore the NRCS climate observations and associated input data. Map controls will need to be set to the appropriate New Mexico Basin Parameters to replicate the graphics seen in this report by clicking on the corresponding forecast basin. This online tool can be found here[1].

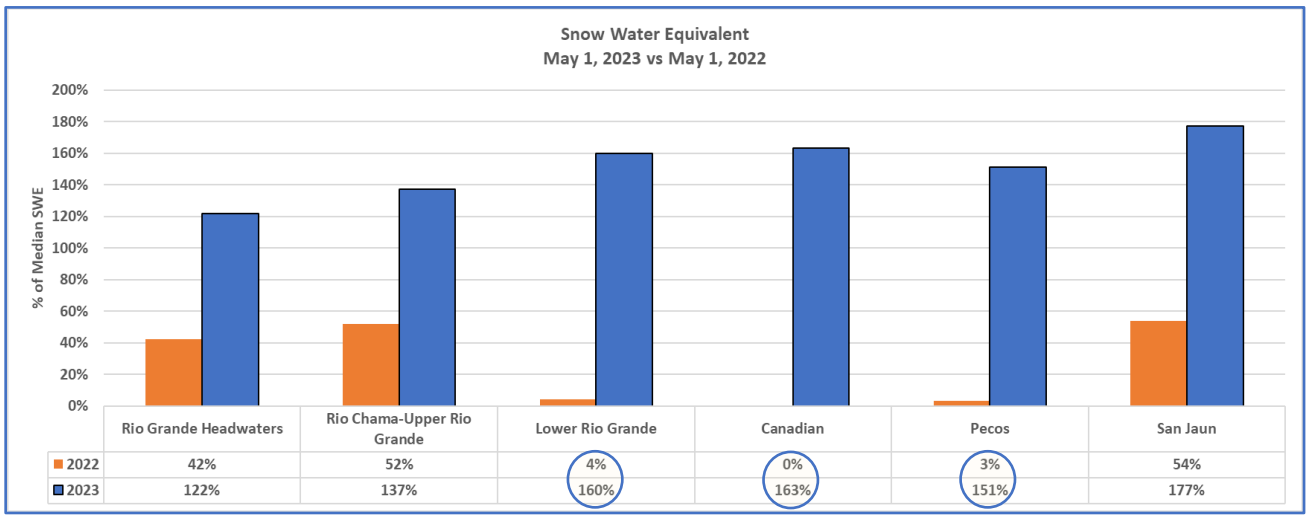


figure 1: *Percent of reference period normal Snow Water Equivalent [SWE] by basin for May 1, 2023, compared to last year in basins where reference period median is nonzero for SWE.*

[1] https://www.nrcs.usda.gov/wps/portal/wcc/home/quicklinks/imap

Precipitation

Total precipitation as both rain and frozen was uniformly sparse across the state throughout April with far less accumulation than that seen in March. Percent of reference period normal water year-to-date precipitation as of May 1st, 2023, can be seen compared to the same date last year in ***figure 2***. The greatest increase over last year's total precipitation for the May 1st reporting period occurred in the Gila- San Francisco, Pecos, and Lower Rio Grande basins, as outlined in ***figures 2 and 3***. While the San Juan Basin precipitation has been well above normal this year, relatively higher totals across the basin last year reduce the year-to-year contrast when compared to basins which experienced drier conditions in water year 2022. With the exception of the Canadian, New Mexico basins are currently reporting above to well above reference period normal total precipitation for water year 2023. The western and southern extents of the state show relatively higher percent of normal precipitation when compared to the northern and eastern New Mexico

basins, as shown in the New Mexico Basinwide Precipitation Summary map graphic. Strong statewide increases have been observed in overall precipitation to date when compared to values measured in the much drier water year 2022 through May 1st (***figures 2*** *and* ***3***). The smallest percent change from last year has occurred in the Rio Grande Headwaters basin, with a gain of 25% of median, due to the relatively wetter water year 2022 in southern Colorado than was seen throughout much of New Mexico (***figures 2*** *and* ***3***). Specific recorded totals for each New Mexico site by sub-basin can be seen in the tables included in the Basinwide Precipitation Summary below. The map graphic for percent of normal water year-to-date precipitation shows the Zuni watershed alone, while ***figure 2*** and ***figure 3*** include the Zuni and Bluewater basins as contributing to totals reported for the larger San Juan and Lower Rio Grande basins, respectively.

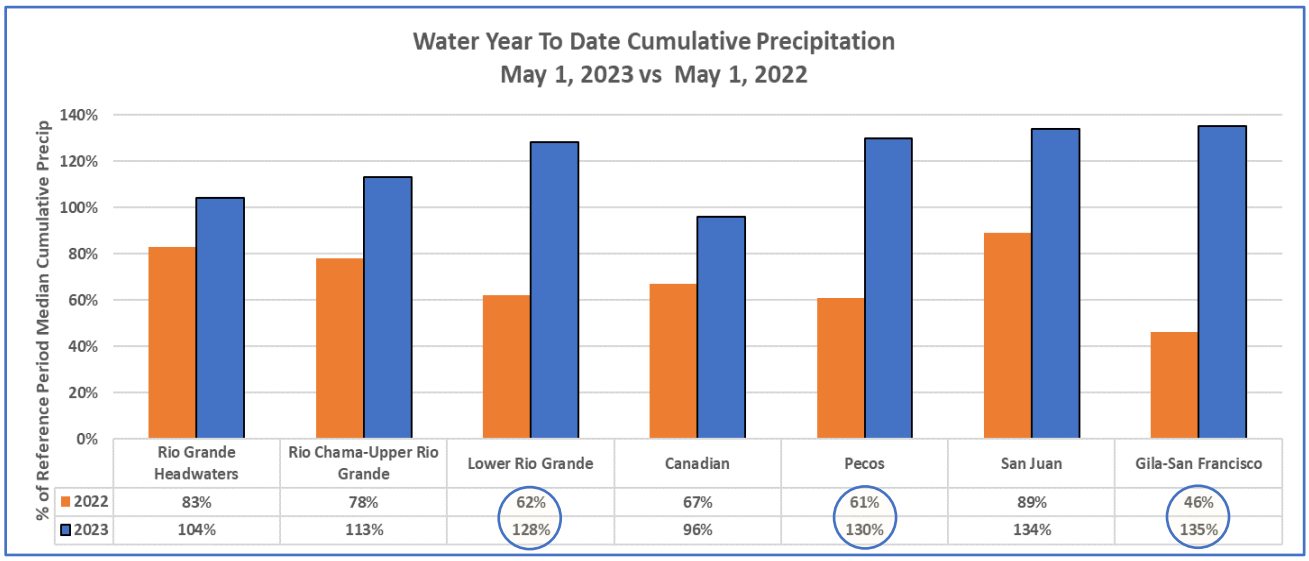


figure 2: *Percent of reference period normal basinwide water year-to-date total precipitation for May 1, 2023, compared to last year.*

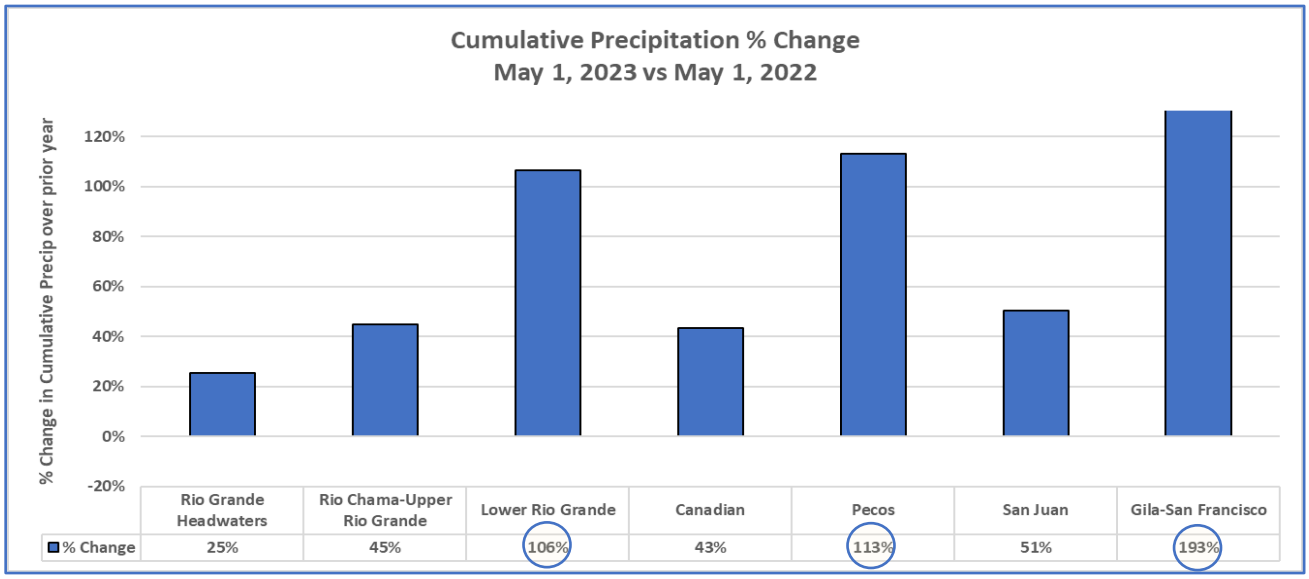


figure 3: *Percent change in reference period normal water year-to-date precipitation between May 1, 2022, and May 1, 2023.*

Reservoirs

New Mexico reservoir systems showed complete reporting for May 1. All reservoir storage systems with NRCS reporting are again showing increased storage levels compared to last year (***table 1***; ***figures 4 & 5***). The Rio Grande Headwaters catchment systems are currently holding the greatest percent of median capacity, with a 104% of reference period normal volume filled as of May 1 (***table 1***). Stored water supply volumes in New Mexico are dominated by the storage systems in the Lower Rio Grande, with Elephant Butte Reservoir representing the largest storage capacity statewide. Thus, the 69% of median increase in storage since May 1 of 2023 within this downstream basin is a positive sign for water users in the southern extent of the state (***figure 5***). Water users are encouraged to continue monitoring reservoir management decisions and cumulative conditions to evaluate water use plans as the water year progresses and reservoir volumes vary due to dynamic storage priorities. Further detail on the status of specific reservoirs in each major basin can be found in the attached Reservoir Storage Summary tables.

table 1:

Basinwide Summary: May 1, 2023 (Medians based on 1991-2020 reference period)	Reservoir Storage Summary End of April, 2023				
	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Rio Grande Headwaters	**28%**	**26%**	**27%**	**104%**	**94%**
Rio Chama-Upper Rio Grande	**11%**	**9%**	**30%**	**35%**	**30%**
Lower Rio Grande	**18%**	**10%**	**21%**	**83%**	**49%**
Canadian	**18%**	**16%**	**52%**	**35%**	**31%**
Pecos	**5%**	**4%**	**7%**	**73%**	**48%**
San Juan	**63%**	**53%**	**81%**	**78%**	**66%**

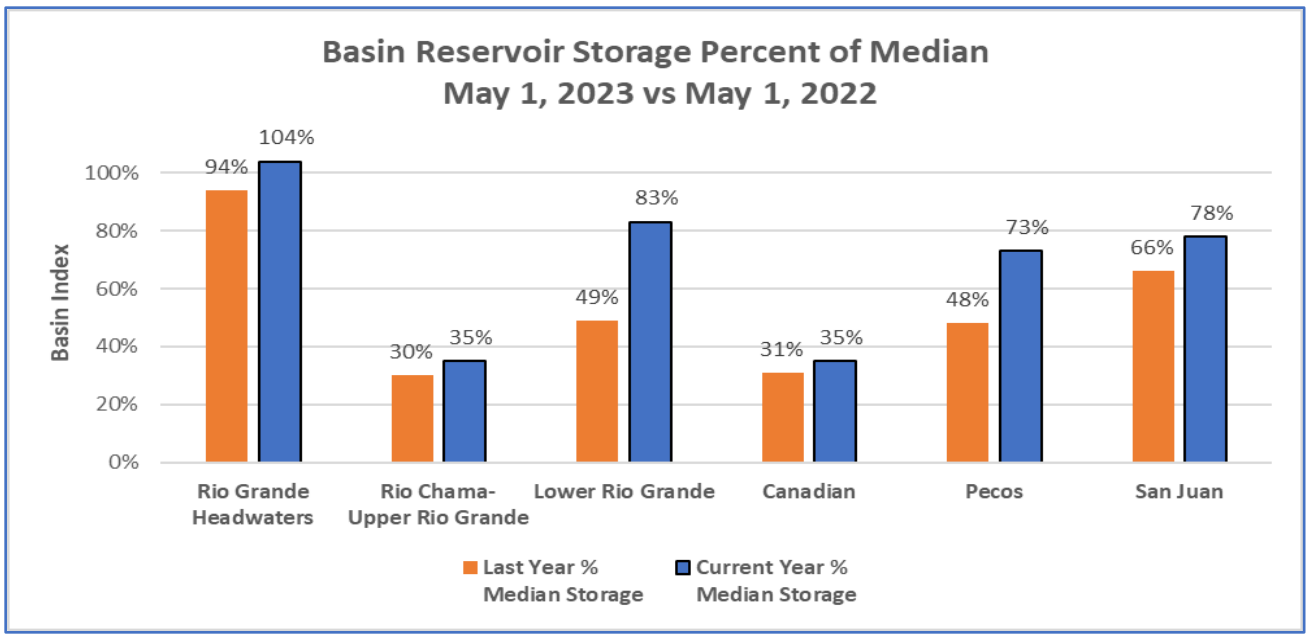


figure 4: *Percent of reference period normal reservoir storage for May 1, 2023, compared to last year.*

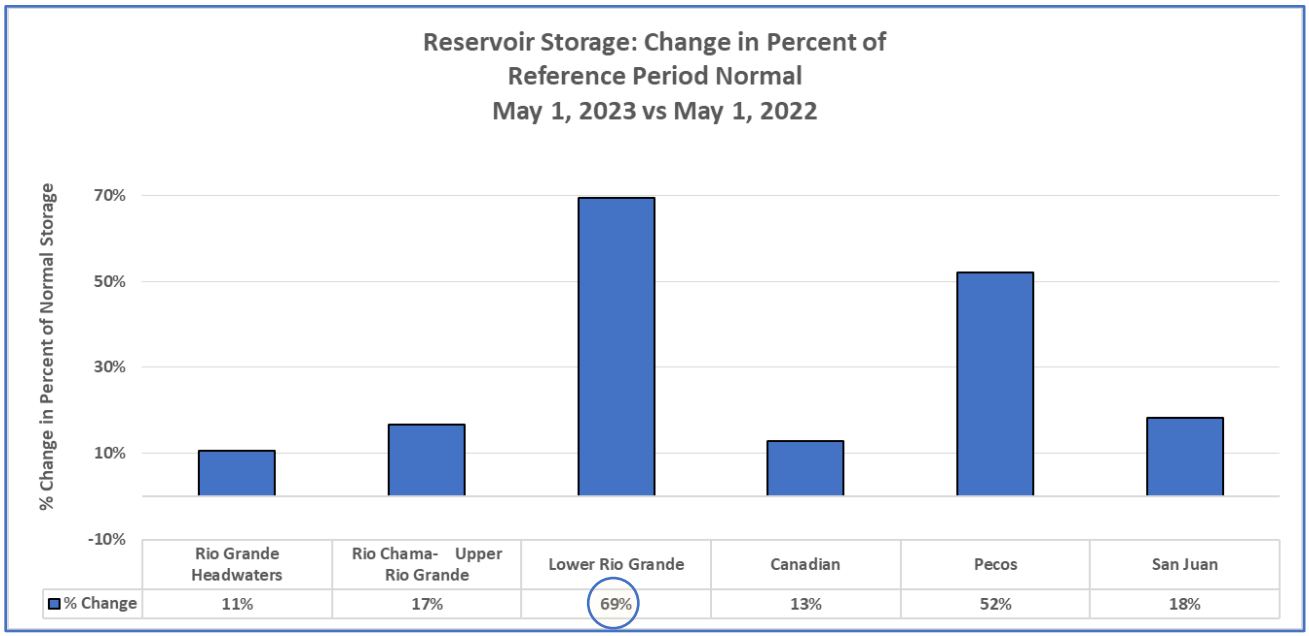


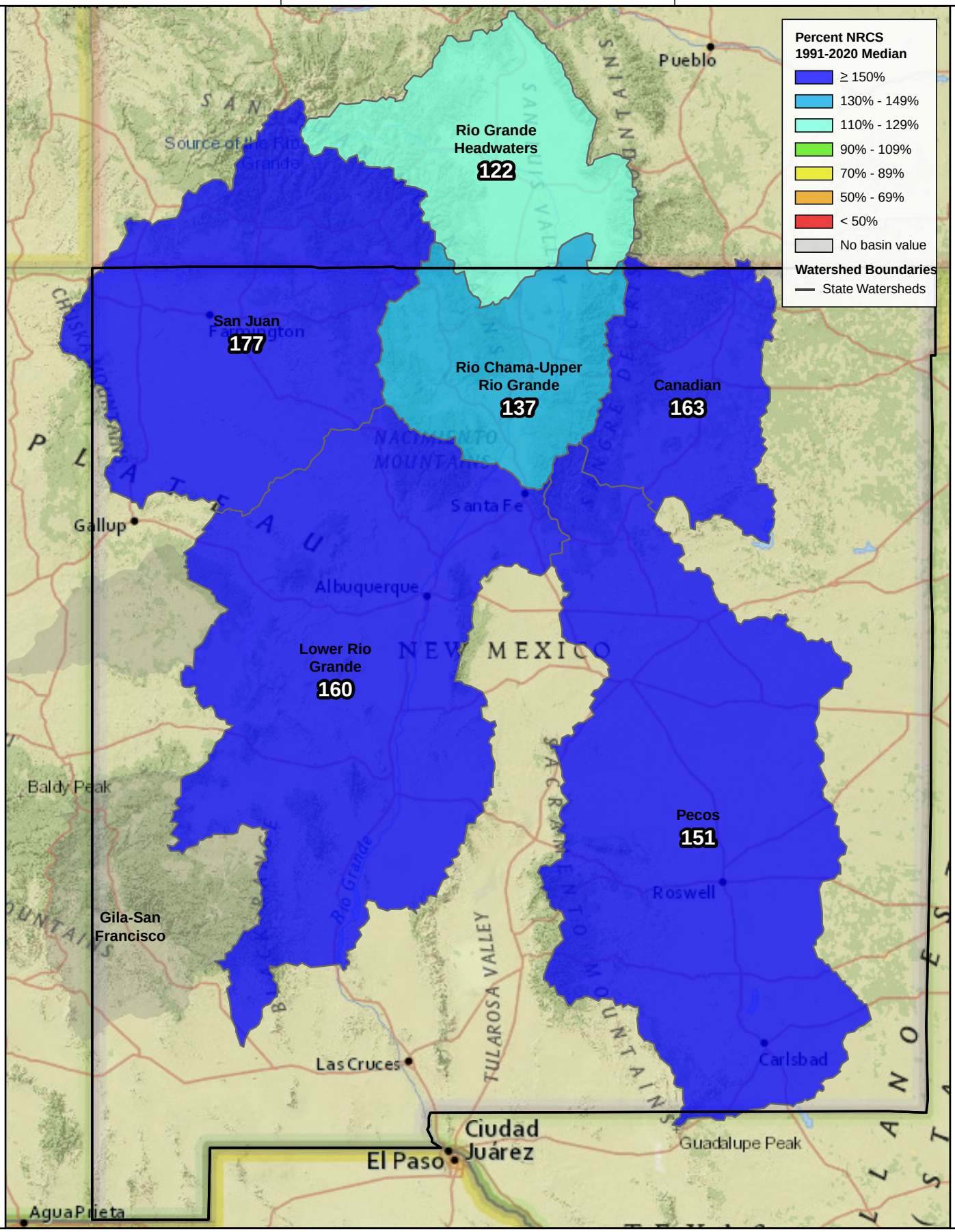
figure 5: *Percent change in reference period normal reservoir storage between May 1, 2022, and May 1, 2023.*

Streamflow

April 2023 observed streamflow volumes were again notably high in the Zuni, Gila-San Francisco, and Pecos basins. While these are relatively low-volume systems, the streamflow gages at the Zuni River above Black Rock Reservoir, the Rio Nutria near Ramah, and the Pecos River above Santa Rosa Lake experienced April volumes far exceeding reference period normals. With extreme flow events seen on the Navajo Nation along the New Mexico- Arizona state line, flows of similar scale likely occurred in several locations throughout the vicinity of the community of Chinle as well. Unfortunately, as can occur during flood events, streamflow gage observations for April are missing at several key points in that region. Missing basinwide observed streamflow values on the included map graphic for the basins originating in the Chuska and Zuni ranges reflect missing input values. Forecast volumes for these areas are also not adjusted based on May 1st climate observations due to long term trends showing forecast outcomes from April 1st to be adequate for water supply applications. Significant late-season snowpack elsewhere in the state is reflected in the basinwide statistics and in forecasted volumes shown in the attached table for these areas of New Mexico. Above normal April observed streamflow corresponds with at or above normal primary period forecast volumes for every updated forecast basin as of May 1st. The increased skill of streamflow forecasts included in this late spring report allows associated forecast volumes to provide operational value in water use zones throughout the state.

There is still concern regarding the potential for increased overall flow volumes and possible continued flood occurrence in several New Mexico basins following large scale land cover alteration from extensive wildfire activity in 2022 coupled with a well above normal to record breaking snowpack in many locations throughout the mountain west. The New Mexico forecast basins most impacted by these fires are the Pecos, Canadian, and parts of the Mimbres and Gila-San Francisco. The snowmelt processes on which NRCS streamflow forecasting computations are focused will play a role in soil moisture, baseflow conditions, and overall water volumes observed at a given forecast point. The type of damaging flood events most frequently observed in the Southwestern U.S. tend to follow high intensity short duration storm cycles, dramatic increases in air temperature during the melt season, or rain on snow events. Predicting the timing and extent of such weather occurrences is a strength of some partner agencies but lies beyond the scope of NRCS Snow Survey and Water Supply Forecasting products. To mitigate flood risk in sensitive areas, users are encouraged to reference the 5% exceedance probability flow volumes included below in the Streamflow Forecast Summary for May 1, 2023. These values at each forecast point provide a forecasted high volume which is least statistically likely to occur at a given point and therefore may provide conservative guidance for planning purposes to account for extreme runoff events. The percent median values reported in the Forecast Summary are for the 50% exceedance probability streamflow volumes, which are most statistically likely to occur during the snowmelt and runoff period covered by an NRCS forecast. Points lying directly downstream of extensively burned portions of a watershed may see increased volumes during the snowmelt cycle compared to pre-fire conditions, particularly in basins exhibiting above normal peak SWE accumulation.

Snow Water Equivalent	New Mexico Basinwide Snowpack Summary Percent NRCS 1991-2020 Median	End of April, 2023



USDA Natural Resources Conservation Service
United States Department of Agriculture

N

0 10 20 40 60 80 100 Miles

Created 5-09-2023

Report Created: 5/4/2023 4:00:52 PM

Basinwide Summary: May 1, 2023
(Medians based On 1991-2020 reference period)

Snowpack Summary For May 1, 2023

Canadian	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Aztec #2	SC	9880						
Hematite Park	SC	9500						
North Costilla	SNOTEL	10598	5	0.4	0.8	50%	0.0	0%
Palo	SC	9300						
Palo	SNOTEL	9343	0	0.0	0.0		0.0	
Red River Pass #2	SNOTEL	9855	0	0.0	0.0		0.0	
Shuree	SNOTEL	10092	0	0.0	0.0		0.0	
Taos Canyon	SC	9100						
Tolby	SNOTEL	10220	0	0.3	0.0		0.0	
Wesner Springs	SNOTEL	11151	32	13.5	7.9	171%	0.0	0%
Basin Index						**163%**		**0%**
# of sites						6		6

Canadian Headwaters	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Aztec #2	SC	9880						
Hematite Park	SC	9500						
North Costilla	SNOTEL	10598	5	0.4	0.8	50%	0.0	0%
Palo	SC	9300						
Palo	SNOTEL	9343	0	0.0	0.0		0.0	
Red River Pass #2	SNOTEL	9855	0	0.0	0.0		0.0	
Shuree	SNOTEL	10092	0	0.0	0.0		0.0	
Taos Canyon	SC	9100						
Tolby	SNOTEL	10220	0	0.3	0.0		0.0	
Basin Index						**88%**		**0%**
# of sites						5		5

Gila-San Francisco	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Beaver Head	SNOTEL	8076	0	0.0	0.0		0.0	
Coronado Trail	SNOTEL	8418	0	0.0	0.0		0.0	
Coronado Trail	SC	8350						
Frisco Divide	SNOTEL	8013	0	0.0	0.0		0.0	
Hannagan Meadows	SNOTEL	9027	0	0.0	0.0		0.0	
Lookout Mountain	SNOTEL	8509	0	0.0	0.0		0.0	
Nutrioso	SC	8500						
Nutrioso	SNOTEL	8571	0	0.0	0.0		0.0	
Signal Peak	SNOTEL	8405	0	0.0	0.0		0.0	
Silver Creek Divide	SNOTEL	9096	0	0.0	0.0		0.0	
State Line	SC	8000						
Basin Index								
# of sites						8		8

San Francisco	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Beaver Head	SNOTEL	8076	0	0.0	0.0		0.0	
Coronado Trail	SNOTEL	8418	0	0.0	0.0		0.0	
Coronado Trail	SC	8350						
Frisco Divide	SNOTEL	8013	0	0.0	0.0		0.0	
Hannagan Meadows	SNOTEL	9027	0	0.0	0.0		0.0	
Nutrioso	SC	8500						
Nutrioso	SNOTEL	8571	0	0.0	0.0		0.0	
Silver Creek Divide	SNOTEL	9096	0	0.0	0.0		0.0	
State Line	SC	8000						

	Basin Index							
	# of sites					6		6

Upper Gila	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Lookout Mountain	SNOTEL	8509	0	0.0	0.0		0.0	
Signal Peak	SNOTEL	8405	0	0.0	0.0		0.0	
Silver Creek Divide	SNOTEL	9096	0	0.0	0.0		0.0	
	Basin Index							
	# of sites					3		3

Lower Rio Grande	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Boon	SC	8140	0	0.0			0.0	
Elk Cabin	SNOTEL	8239	0	0.0	0.0		0.0	
Garita Peak	SNOTEL	10115	0	0.0			0.0	
Lookout Mountain	SNOTEL	8509	0	0.0	0.0		0.0	
Mcknight Cabin	SNOTEL	9242	0	0.0	0.0		0.0	
Ojo Redondo	SC	8200						
Quemazon	SNOTEL	9507	0	0.0	0.0		0.0	
Rice Park	SNOTEL	8497	0	0.0	0.0		0.0	
Rio En Medio	SC	10300	13	4.6	1.8	256%	0.0	0%
Santa Fe	SNOTEL	11465	42	17.4	13.8	126%	0.7	5%
Senorita Divide #2	SNOTEL	8569	0	0.0	0.0		0.0	
Signal Peak	SNOTEL	8405	0	0.0	0.0		0.0	
Vacas Locas	SNOTEL	9364	8	2.9	0.0		0.0	
	Basin Index					**160%**		**4%**
	# of sites					10		10

Jemez	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Garita Peak	SNOTEL	10115	0	0.0			0.0	
Quemazon	SNOTEL	9507	0	0.0	0.0		0.0	
Senorita Divide #2	SNOTEL	8569	0	0.0	0.0		0.0	
Vacas Locas	SNOTEL	9364	8	2.9	0.0		0.0	
	Basin Index							
	# of sites					3		3

Mimbres	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Mcknight Cabin	SNOTEL	9242	0	0.0	0.0		0.0	
Signal Peak	SNOTEL	8405	0	0.0	0.0		0.0	
	Basin Index							
	# of sites					2		2

Pecos	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Elk Cabin	SNOTEL	8239	0	0.0	0.0		0.0	
PanchueLa	SC	8400						
Rio En Medio	SC	10300	13	4.6	1.8	256%	0.0	0%
Santa Fe	SNOTEL	11465	42	17.4	13.8	126%	0.7	5%
Sierra Blanca	SNOTEL	10268	0	0.0	0.0		0.0	
Wesner Springs	SNOTEL	11151	32	13.5	7.9	171%	0.0	0%
	Basin Index					**151%**		**3%**
	# of sites					5		5

Pecos Headwaters	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Elk Cabin	SNOTEL	8239	0	0.0	0.0		0.0	

PanchueLa	SC	8400						
Rio En Medio	SC	10300	13	4.6	1.8	256%	0.0	0%
Santa Fe	SNOTEL	11465	42	17.4	13.8	126%	0.7	5%
Wesner Springs	SNOTEL	11151	32	13.5	7.9	171%	0.0	0%
Basin Index						**151%**		**3%**
# of sites						4		4

Rio Hondo	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Sierra Blanca	SNOTEL	10268	0	0.0	0.0		0.0	
Basin Index								
# of sites						1		1

Rio Chama-Upper Rio Grande	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Bateman	SNOTEL	9249	6	1.6	0.4	400%	0.0	0%
Chamita	SNOTEL	8383	4	1.9	0.0		0.0	
Cumbres Trestle	SNOTEL	10035	74	33.6	19.6	171%	15.0	77%
Elk Cabin	SNOTEL	8239	0	0.0	0.0		0.0	
Gallegos Peak	SNOTEL	9480	0	0.0	0.0		0.0	
Garita Peak	SNOTEL	10115	0	0.0			0.0	
Hematite Park	SC	9500						
Hopewell	SNOTEL	10095	36	16.5	11.5	143%	0.0	0%
North Costilla	SNOTEL	10598	5	0.4	0.8	50%	0.0	0%
Palo	SC	9300						
Palo	SNOTEL	9343	0	0.0	0.0		0.0	
Quemazon	SNOTEL	9507	0	0.0	0.0		0.0	
Red River Pass #2	SNOTEL	9855	0	0.0	0.0		0.0	
Rio En Medio	SC	10300	13	4.6	1.8	256%	0.0	0%
Rio Santa Barbara	SNOTEL	10664	29	10.5			0.0	
Santa Fe	SNOTEL	11465	42	17.4	13.8	126%	0.7	5%
Shuree	SNOTEL	10092	0	0.0	0.0		0.0	
Taos Canyon	SC	9100						
Taos Powderhorn	SC	11250	61	24.3	23.0	106%	16.1	70%
Taos Powderhorn	SNOTEL	11045	61	23.7	19.6	121%	15.6	80%
Taos Pueblo	SNOTEL	11020	31	15.5			0.6	
Tres Ritos	SNOTEL	8755	0	0.0	0.0		0.0	
Basin Index						**137%**		**52%**
# of sites						16		16

Rio Chama	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Bateman	SNOTEL	9249	6	1.6	0.4	400%	0.0	0%
Chamita	SNOTEL	8383	4	1.9	0.0		0.0	
Cumbres Trestle	SNOTEL	10035	74	33.6	19.6	171%	15.0	77%
Garita Peak	SNOTEL	10115	0	0.0			0.0	
Hopewell	SNOTEL	10095	36	16.5	11.5	143%	0.0	0%
Basin Index						**170%**		**48%**
# of sites						4		4

Upper Rio Grande	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Elk Cabin	SNOTEL	8239	0	0.0	0.0		0.0	
Gallegos Peak	SNOTEL	9480	0	0.0	0.0		0.0	
Hematite Park	SC	9500						
North Costilla	SNOTEL	10598	5	0.4	0.8	50%	0.0	0%
Palo	SC	9300						
Palo	SNOTEL	9343	0	0.0	0.0		0.0	
Quemazon	SNOTEL	9507	0	0.0	0.0		0.0	

Red River Pass #2	SNOTEL	9855	0	0.0	0.0		0.0	
Rio En Medio	SC	10300	13	4.6	1.8	256%	0.0	0%
Rio Santa Barbara	SNOTEL	10664	29	10.5			0.0	
Santa Fe	SNOTEL	11465	42	17.4	13.8	126%	0.7	5%
Shuree	SNOTEL	10092	0	0.0	0.0		0.0	
Taos Canyon	SC	9100						
Taos Powderhorn	SNOTEL	11045	61	23.7	19.6	121%	15.6	80%
Taos Powderhorn	SC	11250	61	24.3	23.0	106%	16.1	70%
Taos Pueblo	SNOTEL	11020	31	15.5			0.6	
Tres Ritos	SNOTEL	8755	0	0.0	0.0		0.0	
	Basin Index					**119%**		**55%**
	# of sites					12		12

Rio Grande Headwaters	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Beartown	SNOTEL	11600	62	30.7	18.4	167%	9.9	54%
Cochetopa Pass	SNOTEL	10061	0	0.0	0.0		0.0	
Cochetopa Pass	SC	10000	7	1.8	2.8	64%	0.0	0%
Culebra #2	SNOTEL	10562	23	7.2	7.2	100%	0.2	3%
Cumbres Trestle	SNOTEL	10035	74	33.6	19.6	171%	15.0	77%
Grayback	SNOTEL	11626	0	0.0			0.2	
Grayback	SC	11600	36	12.6	13.6	93%	4.3	32%
Hayden Pass	SNOTEL	10699	14	4.2	13.3	32%	1.4	11%
La Veta Pass	SC	9440	9	1.0	0.9	111%		
Lily Pond	SNOTEL	11069	34	15.6	8.4	186%	0.0	0%
Medano Pass	SNOTEL	9668	0	0.0	0.0		0.0	
Middle Creek	SNOTEL	11269	52	24.3	17.2	141%	8.3	48%
Moon Pass	SNOTEL	11128	0	0.0	1.2	0%	0.0	0%
North Costilla	SNOTEL	10598	5	0.4	0.8	50%	0.0	0%
Pinos Mill	SC	10000	66	27.6	18.2	152%	12.1	66%
Platoro	SC	9880	47	17.5	12.2	143%	6.2	51%
Pool Table Mountain	SC	9840	3	1.0	1.7	59%		
Porcupine	SC	10280	23	6.6	4.9	135%		
San Antonio Sink	SNOTEL	9143	0	0.0			0.0	
San Antonio Sink	SC	9200	2	0.4	0.0		0.0	
Sargents Mesa	SNOTEL	11499	34	12.5	9.6	130%	0.4	4%
Silver Lakes	SC	9500	0	0.0	0.0			
Slumgullion	SNOTEL	11560	28	10.1	13.0	78%	2.6	20%
Trinchera	SNOTEL	10922	14	5.3	4.1	129%	0.0	0%
Upper Rio Grande	SNOTEL	9379	0	0.0	0.0		0.0	
Ute Creek	SNOTEL	10734	12	4.6	9.2	50%	0.0	0%
Wager Gulch	SNOTEL	11132	17	8.3			0.5	
Wolf Creek Summit	SNOTEL	10957	92	40.3	34.6	116%	24.2	70%
	Basin Index					**122%**		**42%**
	# of sites					21		21

Alamosa	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Grayback	SC	11600	36	12.6	13.6	93%	4.3	32%
Grayback	SNOTEL	11626	0	0.0			0.2	
Lily Pond	SNOTEL	11069	34	15.6	8.4	186%	0.0	0%
Platoro	SC	9880	47	17.5	12.2	143%	6.2	51%
Silver Lakes	SC	9500	0	0.0	0.0			
	Basin Index					**134%**		**31%**
	# of sites					3		3

Conejos	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Cumbres Trestle	SNOTEL	10035	74	33.6	19.6	171%	15.0	77%
Lily Pond	SNOTEL	11069	34	15.6	8.4	186%	0.0	0%

Pinos Mill	SC	10000	66	27.6	18.2	152%	12.1	66%
Platoro	SC	9880	47	17.5	12.2	143%	6.2	51%
San Antonio Sink	SNOTEL	9143	0	0.0			0.0	
San Antonio Sink	SC	9200	2	0.4	0.0		0.0	
Basin Index						**162%**		**57%**
# of sites						5		5

Culebra-Trinchera	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Culebra #2	SNOTEL	10562	23	7.2	7.2	100%	0.2	3%
La Veta Pass	SC	9440	9	1.0	0.9	111%		
Trinchera	SNOTEL	10922	14	5.3	4.1	129%	0.0	0%
Ute Creek	SNOTEL	10734	12	4.6	9.2	50%	0.0	0%
Basin Index						**83%**		**1%**
# of sites						3		3

Headwaters Rio Grande	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Beartown	SNOTEL	11600	62	30.7	18.4	167%	9.9	54%
Grayback	SC	11600	36	12.6	13.6	93%	4.3	32%
Grayback	SNOTEL	11626	0	0.0			0.2	
Middle Creek	SNOTEL	11269	52	24.3	17.2	141%	8.3	48%
Pool Table Mountain	SC	9840	3	1.0	1.7	59%		
Porcupine	SC	10280	23	6.6	4.9	135%		
Slumgullion	SNOTEL	11560	28	10.1	13.0	78%	2.6	20%
Upper Rio Grande	SNOTEL	9379	0	0.0	0.0		0.0	
Wager Gulch	SNOTEL	11132	17	8.3			0.5	
Wolf Creek Summit	SNOTEL	10957	92	40.3	34.6	116%	24.2	70%
Basin Index						**122%**		**51%**
# of sites						6		6

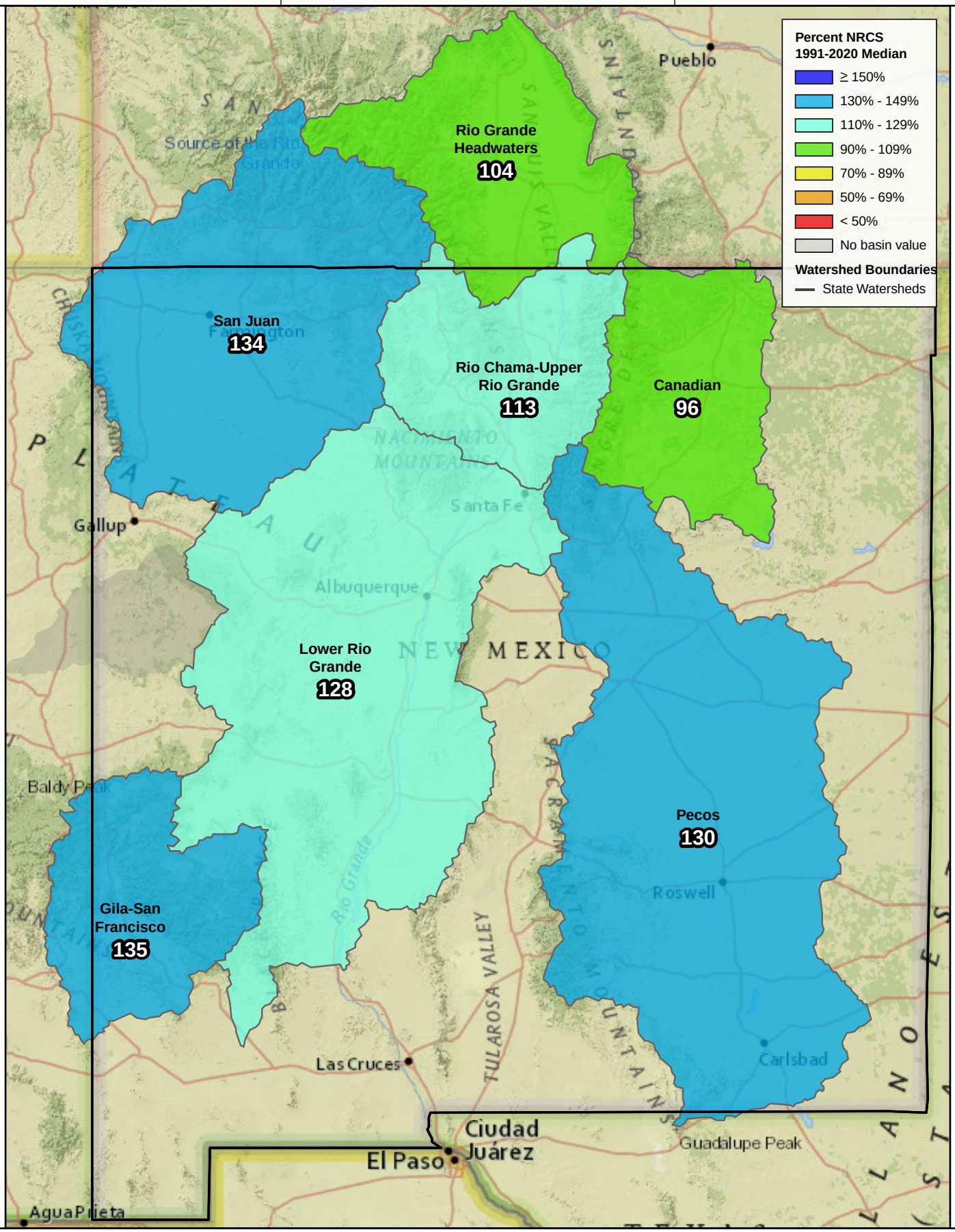
San Juan	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Beartown	SNOTEL	11600	62	30.7	18.4	167%	9.9	54%
Beaver Spring	SNOTEL	9255	14	6.5	0.0		0.0	
Beaver Spring	SC	9220						
Bowl Canyon	SC	8980						
Cascade #2	SNOTEL	9012	1	0.3	0.0		0.0	
Columbus Basin	SNOTEL	10781	88	33.0	22.2	149%	16.7	75%
Hidden Valley	SC	8480						
Lemon Reservoir	SC	8700	16	6.9	0.0		0.0	
Mancos	SNOTEL	10044	36	15.7	1.2	1308%	0.0	0%
Mineral Creek	SNOTEL	10046	34	14.8	10.7	138%	1.7	16%
Missionary Spring	SC	7940						
Molas Lake	SNOTEL	10631	55	26.0	17.7	147%	10.0	56%
Navajo Whiskey Ck	SNOTEL	9064	0	0.0	0.0		0.0	
Red Mountain Pass	SNOTEL	11080	77	30.7	22.9	134%	16.4	72%
Sharkstooth	SNOTEL	10747	67	32.3	14.3	226%	10.5	73%
Spud Mountain	SNOTEL	10674	79	32.8	16.8	195%	7.5	45%
Stump Lakes	SNOTEL	11248	50	23.2	17.7	131%	6.6	37%
Tsaile Canyon #1	SC	8160						
Tsaile Canyon #3	SC	8920						
Upper San Juan	SNOTEL	10140	79	41.2	23.2	178%	12.4	53%
Upper San Juan	SC	10200	83	39.5	21.0	188%	10.9	52%
Vallecito	SNOTEL	10782	49	20.6	9.1	226%	0.1	1%
Weminuche Creek	SNOTEL	10749	45	22.9	6.6	347%	0.0	0%
Whiskey Creek	SC	9050						
Wolf Creek Summit	SNOTEL	10957	92	40.3	34.6	116%	24.2	70%
Basin Index						**177%**		**54%**
# of sites						18		18

San Juan Headwaters	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Beartown	SNOTEL	11600	62	30.7	18.4	167%	9.9	54%
Cascade #2	SNOTEL	9012	1	0.3	0.0		0.0	
Columbus Basin	SNOTEL	10781	88	33.0	22.2	149%	16.7	75%
Lemon Reservoir	SC	8700	16	6.9	0.0		0.0	
Mineral Creek	SNOTEL	10046	34	14.8	10.7	138%	1.7	16%
Molas Lake	SNOTEL	10631	55	26.0	17.7	147%	10.0	56%
Red Mountain Pass	SNOTEL	11080	77	30.7	22.9	134%	16.4	72%
Spud Mountain	SNOTEL	10674	79	32.8	16.8	195%	7.5	45%
Stump Lakes	SNOTEL	11248	50	23.2	17.7	131%	6.6	37%
Upper San Juan	SNOTEL	10140	79	41.2	23.2	178%	12.4	53%
Upper San Juan	SC	10200	83	39.5	21.0	188%	10.9	52%
Vallecito	SNOTEL	10782	49	20.6	9.1	226%	0.1	1%
Weminuche Creek	SNOTEL	10749	45	22.9	6.6	347%	0.0	0%
Wolf Creek Summit	SNOTEL	10957	92	40.3	34.6	116%	24.2	70%
Basin Index						**164%**		**53%**
# of sites						14		14

Zuni	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Boon	SC	8140	0	0.0			0.0	
Dan Valley	SC	7640	0	0.0			0.0	
Mcgaffey	SC	8120	0	0.0			0.0	
Basin Index								
# of sites						0		0

Zuni-Bluewater	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Boon	SC	8140	0	0.0			0.0	
Dan Valley	SC	7640	0	0.0			0.0	
Mcgaffey	SC	8120	0	0.0			0.0	
Ojo Redondo	SC	8200						
Rice Park	SNOTEL	8497	0	0.0	0.0		0.0	
Basin Index								
# of sites						1		1

Water Year to Date Precipitation	New Mexico Basinwide Precipitation Summary Percent NRCS 1991-2020 Median	October 1, 2022 - April 30, 2023



USDA Natural Resources Conservation Service
United States Department of Agriculture

N

0 10 20 40 60 80 100 Miles

Created 5-09-2023

Report Created: 5/5/2023 7:26:15 AM

Basinwide Summary: May 1, 2023
(Medians based On 1991-2020 reference period)

Canadian	Network	Elevation (ft)	Monthly Total Precipitation For April 2023 Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Water Year To Date Precipitation through April 2023 Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
North Costilla	SNOTEL	10598	1.3	3	43%	1.5	50%	13.2	15.4	86%	9.3	60%
Palo	SNOTEL	9343	0.6	1.8	33%	0.3	17%	11.8	10.6	111%	8.3	78%
Red River Pass #2	SNOTEL	9855	0.4	1.9	21%	0.3	16%	9.6	12.2	79%	7.7	63%
Shuree	SNOTEL	10092	1	1.8	56%	0.4	22%	9.2	10.4	88%	7.6	73%
Tolby	SNOTEL	10220	0.8	2.6	31%	0.3	12%	14.2	15.4	92%	11	71%
Wesner Springs	SNOTEL	11151	0.8	2.2	36%	0.1	5%	23.9	21.1	113%	12.9	61%
Basin Index					**37%**		**22%**			**96%**		**67%**
# of sites					6		6			6		6

Canadian Headwaters	Network	Elevation (ft)	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
North Costilla	SNOTEL	10598	1.3	3	43%	1.5	50%	13.2	15.4	86%	9.3	60%
Palo	SNOTEL	9343	0.6	1.8	33%	0.3	17%	11.8	10.6	111%	8.3	78%
Red River Pass #2	SNOTEL	9855	0.4	1.9	21%	0.3	16%	9.6	12.2	79%	7.7	63%
Shuree	SNOTEL	10092	1	1.8	56%	0.4	22%	9.2	10.4	88%	7.6	73%
Tolby	SNOTEL	10220	0.8	2.6	31%	0.3	12%	14.2	15.4	92%	11	71%
Basin Index					**37%**		**25%**			**91%**		**69%**
# of sites					5		5			5		5

Gila-San Francisco	Network	Elevation (ft)	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
Beaver Head	SNOTEL	8076	0			0.1		14.5			5.9	
Coronado Trail	SNOTEL	8418	0	0.6	0%	0	0%	13.8	11.2	123%	5.2	46%
Frisco Divide	SNOTEL	8013	0	0.6	0%	0.5	83%	12.2	9.3	131%	5.6	60%
Hannagan Meadows	SNOTEL	9027	0.2	0.9	22%	0	0%	23.1	17.2	134%	7.3	42%
Lookout Mountain	SNOTEL	8509	0	0.4	0%	0	0%	11.3	8.4	135%	3.4	40%
Nutrioso	SNOTEL	8571	0.5	0.2	250%	0.2	100%	12.7	7.4	172%	3.7	50%
Signal Peak	SNOTEL	8405	0	0.6	0%	0	0%	16.1	12.2	132%	5	41%
Silver Creek Divide	SNOTEL	9096	0	0.8	0%	0.1	13%	22.8	17	134%	8.1	48%
Basin Index					**17%**		**20%**			**135%**		**46%**
# of sites					7		7			7		7

San Francisco	Network	Elevation (ft)	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
Beaver Head	SNOTEL	8076	0			0.1		14.5			5.9	
Coronado Trail	SNOTEL	8418	0	0.6	0%	0	0%	13.8	11.2	123%	5.2	46%
Frisco Divide	SNOTEL	8013	0	0.6	0%	0.5	83%	12.2	9.3	131%	5.6	60%
Hannagan Meadows	SNOTEL	9027	0.2	0.9	22%	0	0%	23.1	17.2	134%	7.3	42%
Nutrioso	SNOTEL	8571	0.5	0.2	250%	0.2	100%	12.7	7.4	172%	3.7	50%
Silver Creek Divide	SNOTEL	9096	0	0.8	0%	0.1	13%	22.8	17	134%	8.1	48%
Basin Index					**23%**		**26%**			**136%**		**48%**
# of sites					5		5			5		5

Upper Gila	Network	Elevation (ft)	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
Lookout Mountain	SNOTEL	8509	0	0.4	0%	0	0%	11.3	8.4	135%	3.4	40%
Signal Peak	SNOTEL	8405	0	0.6	0%	0	0%	16.1	12.2	132%	5	41%
Silver Creek Divide	SNOTEL	9096	0	0.8	0%	0.1	13%	22.8	17	134%	8.1	48%
Basin Index					**0%**		**6%**			**134%**		**44%**
# of sites					3		3			3		3

Lower Rio Grande	Network	Elevation (ft)	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
Elk Cabin	SNOTEL	8239	0.3	1.2	25%	0.1	8%	16.2	11.2	145%	7.6	68%
Garita Peak	SNOTEL	10115	0.3			0.5		18.8			10.1	
Lookout Mountain	SNOTEL	8509	0	0.4	0%	0	0%	11.3	8.4	135%	3.4	40%
Mcknight Cabin	SNOTEL	9242	0	0.1	0%	0	0%	12.2	9.3	131%	3.1	33%
Quemazon	SNOTEL	9507	0	1	0%	0.3	30%	14.5	13.4	108%	8.6	64%
Rice Park	SNOTEL	8497	0.2	1	20%	0.2	20%	18.4	11.8	156%	11	93%
Santa Fe	SNOTEL	11465	1.2	2.3	52%	0.5	22%	24.9	20	125%	13.5	68%
Senorita Divide #2	SNOTEL	8569	0.1	1.7	6%	1.1	65%	18.6	16	116%	10.1	63%
Signal Peak	SNOTEL	8405	0	0.6	0%	0	0%	16.1	12.2	132%	5	41%
Vacas Locas	SNOTEL	9364	0.3	1.8	17%	1.4	78%	20	16.6	120%	11.9	72%
Basin Index					**21%**		**36%**			**128%**		**62%**
# of sites					9		9			9		9

Jemez	Network	Elevation (ft)	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
Garita Peak	SNOTEL	10115	0.3			0.5		18.8			10.1	
Quemazon	SNOTEL	9507	0	1	0%	0.3	30%	14.5	13.4	108%	8.6	64%
Senorita Divide #2	SNOTEL	8569	0.1	1.7	6%	1.1	65%	18.6	16	116%	10.1	63%
Vacas Locas	SNOTEL	9364	0.3	1.8	17%	1.4	78%	20	16.6	120%	11.9	72%
Basin Index					**9%**		**62%**			**115%**		**67%**
# of sites					3		3			3		3

Mimbres	Network	Elevation (ft)	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
Mcknight Cabin	SNOTEL	9242	0	0.1	0%	0	0%	12.2	9.3	131%	3.1	33%
Signal Peak	SNOTEL	8405	0	0.6	0%	0	0%	16.1	12.2	132%	5	41%
Basin Index					**0%**		**0%**			**132%**		**38%**
# of sites					2		2			2		2

Pecos	Network	Elevation (ft)	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
Elk Cabin	SNOTEL	8239	0.3	1.2	25%	0.1	8%	16.2	11.2	145%	7.6	68%
Santa Fe	SNOTEL	11465	1.2	2.3	52%	0.5	22%	24.9	20	125%	13.5	68%
Sierra Blanca	SNOTEL	10268	0	1.6	0%	0	0%	23.7	16.1	147%	7.9	49%
Wesner Springs	SNOTEL	11151	0.8	2.2	36%	0.1	5%	23.9	21.1	113%	12.9	61%
Basin Index					**32%**		**10%**			**130%**		**61%**
# of sites					4		4			4		4

Pecos Headwaters	Network	Elevation (ft)	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
Elk Cabin	SNOTEL	8239	0.3	1.2	25%	0.1	8%	16.2	11.2	145%	7.6	68%
Santa Fe	SNOTEL	11465	1.2	2.3	52%	0.5	22%	24.9	20	125%	13.5	68%
Wesner Springs	SNOTEL	11151	0.8	2.2	36%	0.1	5%	23.9	21.1	113%	12.9	61%
Basin Index					**40%**		**12%**			**124%**		**65%**
# of sites					3		3			3		3

Rio Hondo	Network	Elevation (ft)	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
Sierra Blanca	SNOTEL	10268	0	1.6	0%	0	0%	23.7	16.1	147%	7.9	49%
Basin Index					**0%**		**0%**			**147%**		**49%**
# of sites					1		1			1		1

Rio Chama-Upper Rio Grande	Network	Elevation (ft)	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
Bateman	SNOTEL	9249	0.5	1.5	33%	0.8	53%	16.2	15.2	107%	13.5	89%
Chamita	SNOTEL	8383	0.8	1.2	67%	0.9	75%	16.3	13.8	118%	11.2	81%
Cumbres Trestle	SNOTEL	10035	0.8	2.9	28%	0.7	24%	35.4	26.6	133%	24.6	92%
Elk Cabin	SNOTEL	8239	0.3	1.2	25%	0.1	8%	16.2	11.2	145%	7.6	68%
Gallegos Peak	SNOTEL	9480	0.3	1.6	19%	0.1	6%	17.7	16	111%	11.9	74%
Garita Peak	SNOTEL	10115	0.3			0.5		18.8			10.1	
Hopewell	SNOTEL	10095	1.2	2.2	55%	0.5	23%	24.8	20	124%	19.1	96%
North Costilla	SNOTEL	10598	1.3	3	43%	1.5	50%	13.2	15.4	86%	9.3	60%
Palo	SNOTEL	9343	0.6	1.8	33%	0.3	17%	11.8	10.6	111%	8.3	78%
Quemazon	SNOTEL	9507	0	1	0%	0.3	30%	14.5	13.4	108%	8.6	64%
Red River Pass #2	SNOTEL	9855	0.4	1.9	21%	0.3	16%	9.6	12.2	79%	7.7	63%
Rio Santa Barbara	SNOTEL	10664	0.6			0.5		19.7			12.5	
Santa Fe	SNOTEL	11465	1.2	2.3	52%	0.5	22%	24.9	20	125%	13.5	68%
Shuree	SNOTEL	10092	1	1.8	56%	0.4	22%	9.2	10.4	88%	7.6	73%
Taos Powderhorn	SNOTEL	11045	0.8	3.5	23%	0.6	17%	25.3	23.6	107%	21.4	91%
Taos Pueblo	SNOTEL	11020	1.3			0.7		30.5			22	
Tres Ritos	SNOTEL	8755	0.6	2	30%	0.3	15%	14.5	13.4	108%	9.1	68%
Basin Index					**35%**		**26%**			**113%**		**78%**
# of sites					14		14			14		14

Rio Chama	Network	Elevation (ft)	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
Bateman	SNOTEL	9249	0.5	1.5	33%	0.8	53%	16.2	15.2	107%	13.5	89%
Chamita	SNOTEL	8383	0.8	1.2	67%	0.9	75%	16.3	13.8	118%	11.2	81%
Cumbres Trestle	SNOTEL	10035	0.8	2.9	28%	0.7	24%	35.4	26.6	133%	24.6	92%
Garita Peak	SNOTEL	10115	0.3			0.5		18.8			10.1	
Hopewell	SNOTEL	10095	1.2	2.2	55%	0.5	23%	24.8	20	124%	19.1	96%
Basin Index					**42%**		**37%**			**123%**		**90%**
# of sites					4		4			4		4

Upper Rio Grande	Network	Elevation (ft)	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
Elk Cabin	SNOTEL	8239	0.3	1.2	25%	0.1	8%	16.2	11.2	145%	7.6	68%
Gallegos Peak	SNOTEL	9480	0.3	1.6	19%	0.1	6%	17.7	16	111%	11.9	74%
North Costilla	SNOTEL	10598	1.3	3	43%	1.5	50%	13.2	15.4	86%	9.3	60%
Palo	SNOTEL	9343	0.6	1.8	33%	0.3	17%	11.8	10.6	111%	8.3	78%
Quemazon	SNOTEL	9507	0	1	0%	0.3	30%	14.5	13.4	108%	8.6	64%
Red River Pass #2	SNOTEL	9855	0.4	1.9	21%	0.3	16%	9.6	12.2	79%	7.7	63%
Rio Santa Barbara	SNOTEL	10664	0.6			0.5		19.7			12.5	
Santa Fe	SNOTEL	11465	1.2	2.3	52%	0.5	22%	24.9	20	125%	13.5	68%
Shuree	SNOTEL	10092	1	1.8	56%	0.4	22%	9.2	10.4	88%	7.6	73%
Taos Powderhorn	SNOTEL	11045	0.8	3.5	23%	0.6	17%	25.3	23.6	107%	21.4	91%
Taos Pueblo	SNOTEL	11020	1.3			0.7		30.5			22	
Tres Ritos	SNOTEL	8755	0.6	2	30%	0.3	15%	14.5	13.4	108%	9.1	68%
Basin Index					**32%**		**22%**			**107%**		**72%**
# of sites					10		10			10		10

Rio Grande Headwaters	Network	Elevation (ft)	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
Beartown	SNOTEL	11600	2.8	3.2	88%	1.5	47%	31.6	26.2	121%	22.9	87%
Cochetopa Pass	SNOTEL	10061	1.5	1.4	107%	1	71%	7.4	8.8	84%	6.9	78%
Culebra #2	SNOTEL	10562	0.8	2.9	28%	1.1	38%	13.5	15.8	85%	9.8	62%
Cumbres Trestle	SNOTEL	10035	0.8	2.9	28%	0.7	24%	35.4	26.6	133%	24.6	92%
Grayback	SNOTEL	11626	1.2	2.6	46%	2	77%	21.4	20	107%	18.7	94%
Hayden Pass	SNOTEL	10699	2.5	2.6	96%	1.8	69%	12.7	16.6	77%	12.4	75%
Lily Pond	SNOTEL	11069	0.3	2.4	13%	1.4	58%	23.6	21.7	109%	18.6	86%
Medano Pass	SNOTEL	9668	2.1	2.7	78%	1.6	59%	13.3	14.2	94%	14.1	99%
Middle Creek	SNOTEL	11269	1.2	2.9	41%	1.6	55%	28	24.8	113%	22.2	90%
Moon Pass	SNOTEL	11128	1.4	1.4	100%	1.8	129%	7.1	9.5	75%	9.7	102%
North Costilla	SNOTEL	10598	1.3	3	43%	1.5	50%	13.2	15.4	86%	9.3	60%
San Antonio Sink	SNOTEL	9143	0.5			0.5		11.8			11.9	
Sargents Mesa	SNOTEL	11499	2.4	2.3	104%	1.1	48%	13.6	14.2	96%	9.2	65%
Slumgullion	SNOTEL	11560	1.8	2.4	75%	1.3	54%	15.2	15.9	96%	12.2	77%
Trinchera	SNOTEL	10922	1.3	2.8	46%	0.8	29%	14	14	100%	11.2	80%
Upper Rio Grande	SNOTEL	9379	1.5	1.5	100%	0.5	33%	13	11.1	117%	8.9	80%
Ute Creek	SNOTEL	10734	1.9	3.2	59%	1	31%	15.6	19.2	81%	15.6	81%
Wager Gulch	SNOTEL	11132	2			1.3		16.1			12.4	
Wolf Creek Summit	SNOTEL	10957	0.8	3.5	23%	0.7	20%	44.9	36	125%	31.7	88%
Basin Index					**59%**		**49%**			**104%**		**83%**
# of sites					17		17			17		17

Alamosa	Network	Elevation (ft)	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
Grayback	SNOTEL	11626	1.2	2.6	46%	2	77%	21.4	20	107%	18.7	94%
Lily Pond	SNOTEL	11069	0.3	2.4	13%	1.4	58%	23.6	21.7	109%	18.6	86%
Basin Index					**30%**		**68%**			**108%**		**89%**
# of sites					2		2			2		2

Conejos	Network	Elevation (ft)	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
Cumbres Trestle	SNOTEL	10035	0.8	2.9	28%	0.7	24%	35.4	26.6	133%	24.6	92%
Lily Pond	SNOTEL	11069	0.3	2.4	13%	1.4	58%	23.6	21.7	109%	18.6	86%
San Antonio Sink	SNOTEL	9143	0.5			0.5		11.8			11.9	
Basin Index					**21%**		**40%**			**122%**		**89%**
# of sites					2		2			2		2

Culebra-Trinchera	Network	Elevation (ft)	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
Culebra #2	SNOTEL	10562	0.8	2.9	28%	1.1	38%	13.5	15.8	85%	9.8	62%
Trinchera	SNOTEL	10922	1.3	2.8	46%	0.8	29%	14	14	100%	11.2	80%
Ute Creek	SNOTEL	10734	1.9	3.2	59%	1	31%	15.6	19.2	81%	15.6	81%
Basin Index					**45%**		**33%**			**88%**		**75%**
# of sites					3		3			3		3

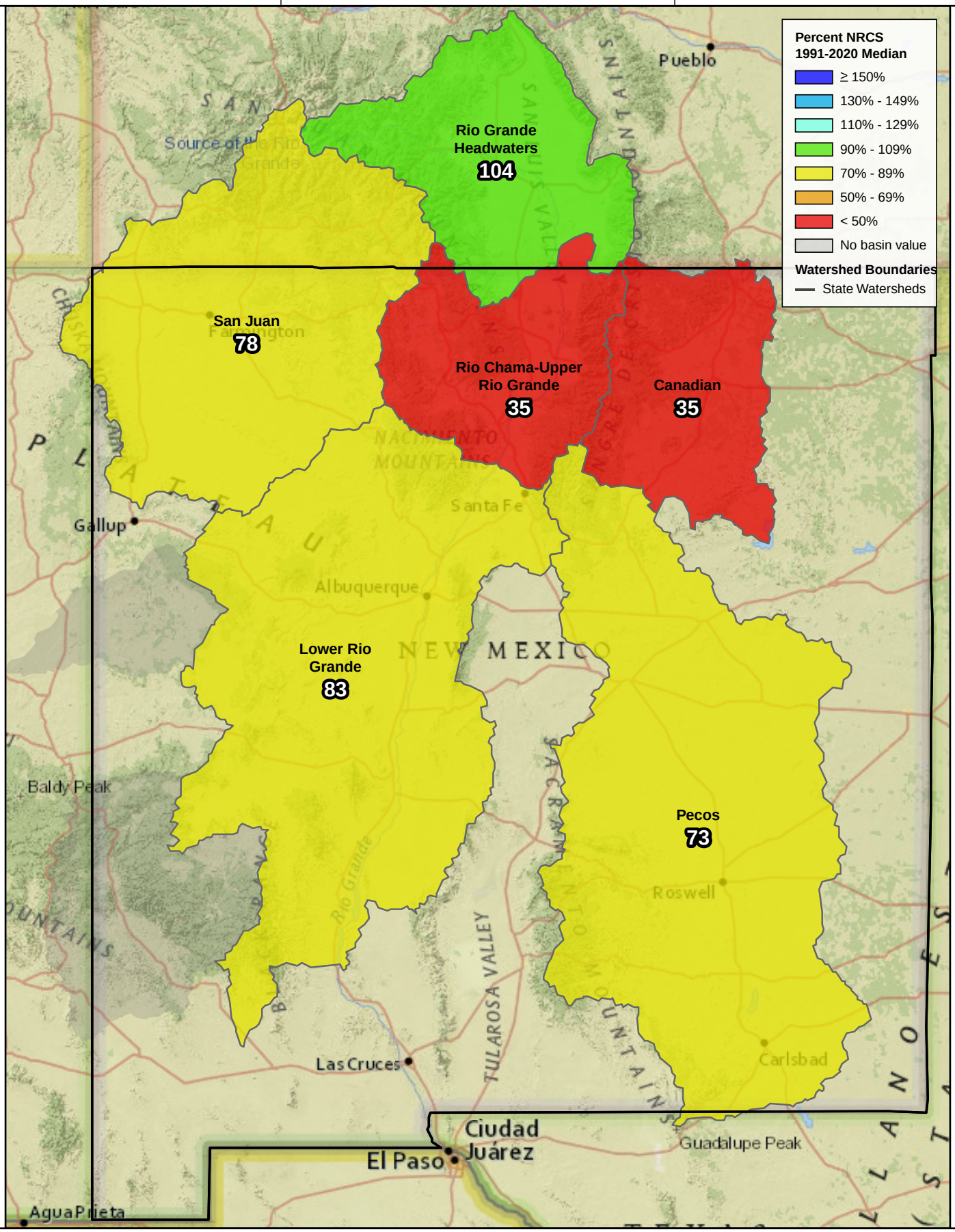
Headwaters Rio Grande	Network	Elevation (ft)	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
Beartown	SNOTEL	11600	2.8	3.2	88%	1.5	47%	31.6	26.2	121%	22.9	87%
Grayback	SNOTEL	11626	1.2	2.6	46%	2	77%	21.4	20	107%	18.7	94%
Middle Creek	SNOTEL	11269	1.2	2.9	41%	1.6	55%	28	24.8	113%	22.2	90%
Slumgullion	SNOTEL	11560	1.8	2.4	75%	1.3	54%	15.2	15.9	96%	12.2	77%
Upper Rio Grande	SNOTEL	9379	1.5	1.5	100%	0.5	33%	13	11.1	117%	8.9	80%
Wager Gulch	SNOTEL	11132	2			1.3		16.1			12.4	
Wolf Creek Summit	SNOTEL	10957	0.8	3.5	23%	0.7	20%	44.9	36	125%	31.7	88%
Basin Index					**58%**		**47%**			**115%**		**87%**
# of sites					6		6			6		6

San Juan	Network	Elevation (ft)	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
Beartown	SNOTEL	11600	2.8	3.2	88%	1.5	47%	31.6	26.2	121%	22.9	87%
Beaver Spring	SNOTEL	9255	0.5	1.6	31%	0.5	31%	26	15.9	164%	15.5	97%
Cascade #2	SNOTEL	9012	1	1.6	63%	0.8	50%	27.7	20.4	136%	18.1	89%
Columbus Basin	SNOTEL	10781	1	3	33%	1.3	43%	39.5	28.8	137%	24.5	85%
Mancos	SNOTEL	10044	0.7	2.4	29%	0.5	21%	24.2	19.3	125%	13.6	70%
Mineral Creek	SNOTEL	10046	2.5	2.4	104%	1.3	54%	23.8	19.4	123%	18.4	95%
Molas Lake	SNOTEL	10631	2	2.8	71%	1.1	39%	27.8	22.8	122%	22.1	97%
Navajo Whiskey Ck	SNOTEL	9064	0.4	1.4	29%	0.2	14%	22.8	12.2	187%	12.2	100%
Red Mountain Pass	SNOTEL	11080	3.3	4.2	79%	1.9	45%	34.5	29.2	118%	24.6	84%
Sharkstooth	SNOTEL	10747	1.8	2.5	72%	2	80%	36	22.8	158%	25	110%
Spud Mountain	SNOTEL	10674	2.3	3.3	70%	1.2	36%	44.7	33.1	135%	29.7	90%
Stump Lakes	SNOTEL	11248	0.9	2	45%	0.7	35%	30.2	21.1	143%	17.6	83%
Upper San Juan	SNOTEL	10140	0.9	3.3	27%	1.3	39%	45.3	37.4	121%	32.7	87%
Vallecito	SNOTEL	10782	0.7	1.7	41%	0.8	47%	27.3	19.5	140%	16.3	84%
Weminuche Creek	SNOTEL	10749	1	2.1	48%	0.9	43%	33	22.7	145%	19.1	84%
Wolf Creek Summit	SNOTEL	10957	0.8	3.5	23%	0.7	20%	44.9	36	125%	31.7	88%
Basin Index					**55%**		**41%**			**134%**		**89%**
# of sites					16		16			16		16

San Juan Headwaters	Network	Elevation (ft)	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
Beartown	SNOTEL	11600	2.8	3.2	88%	1.5	47%	31.6	26.2	121%	22.9	87%
Cascade #2	SNOTEL	9012	1	1.6	63%	0.8	50%	27.7	20.4	136%	18.1	89%
Columbus Basin	SNOTEL	10781	1	3	33%	1.3	43%	39.5	28.8	137%	24.5	85%
Mineral Creek	SNOTEL	10046	2.5	2.4	104%	1.3	54%	23.8	19.4	123%	18.4	95%
Molas Lake	SNOTEL	10631	2	2.8	71%	1.1	39%	27.8	22.8	122%	22.1	97%
Red Mountain Pass	SNOTEL	11080	3.3	4.2	79%	1.9	45%	34.5	29.2	118%	24.6	84%
Spud Mountain	SNOTEL	10674	2.3	3.3	70%	1.2	36%	44.7	33.1	135%	29.7	90%
Stump Lakes	SNOTEL	11248	0.9	2	45%	0.7	35%	30.2	21.1	143%	17.6	83%
Upper San Juan	SNOTEL	10140	0.9	3.3	27%	1.3	39%	45.3	37.4	121%	32.7	87%
Vallecito	SNOTEL	10782	0.7	1.7	41%	0.8	47%	27.3	19.5	140%	16.3	84%
Weminuche Creek	SNOTEL	10749	1	2.1	48%	0.9	43%	33	22.7	145%	19.1	84%
Wolf Creek Summit	SNOTEL	10957	0.8	3.5	23%	0.7	20%	44.9	36	125%	31.7	88%
Basin Index					**58%**		**41%**			**130%**		**88%**
# of sites					12		12			12		12

Zuni-Bluewater	Network	Elevation (ft)	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median	Current (in)	Median (in)	% Median	Last Year (in)	Last Year % Median
Rice Park	SNOTEL	8497	0.2	1	20%	0.2	20%	18.4	11.8	156%	11	93%
Basin Index					**20%**		**20%**			**156%**		**93%**
# of sites					1		1			1		1

Reservoir Storage	New Mexico Basinwide Reservoir Storage Summary Percent NRCS 1991-2020 Median	End of April, 2023



USDA Natural Resources Conservation Service
United States Department of Agriculture

N

0 10 20 40 60 80 100 Miles

Created 5-09-2023

Report Created: 5/5/2023 2:51:20 PM

Basinwide Summary: May 1, 2023
(Medians based On 1991-2020 reference period)

Reservoir Storage Summary For the End of April 2023

Canadian	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Conchas Lake	22.7	15.0	124.6	254.4	9%	6%	49%	18%	12%
Eagle Nest Lake nr Eagle Nest, NM	37.8	38.4	48.0	79.0	48%	49%	61%	79%	80%
Basin Index					**18%**	**16%**	**52%**	**35%**	**31%**
# of reservoirs					2	2	2	2	2

Lower Rio Grande	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Bluewater Lake	19.7	1.7	6.1	38.5	51%	4%	16%	323%	28%
Caballo Reservoir	55.0	15.2	60.2	332.0	17%	5%	18%	91%	25%
Cochiti Lake	42.7	42.5	51.6	491.0	9%	9%	11%	83%	82%
Mcclure Reservoir	2.5	0.6	2.0	3.3	77%	19%	61%	126%	32%
Elephant Butte Reservoir	422.9	256.5	532.5	2195.0	19%	12%	24%	79%	48%
Basin Index					**18%**	**10%**	**21%**	**83%**	**49%**
# of reservoirs					5	5	5	5	5

Pecos	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Lake Sumner	17.0	13.9	26.9	102.0	17%	14%	26%	63%	52%
Santa Rosa Reservoir	39.2	17.6	59.8	432.2	9%	4%	14%	65%	29%
Brantley Lake nr Carlsbad	26.3	23.2	26.4	1008.2	3%	2%	3%	99%	88%
Lake Avalon	1.5		1.3	4.0	38%		33%	117%	
Basin Index					**5%**	**4%**	**7%**	**73%**	**48%**
# of reservoirs					4	3	4	4	3

Rio Chama-Upper Rio Grande	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
El Vado Reservoir	2.8	17.5	118.5	184.8	2%	9%	64%	2%	15%
Nambe Falls Reservoir	1.7	1.7	2.0	1.7	105%	101%	120%	87%	84%
Heron Reservoir	61.8	58.6	242.5	400.0	15%	15%	61%	25%	24%
Costilla Reservoir	8.3	5.2	8.3	16.0	52%	33%	52%	99%	63%
Abiquiu Reservoir	116.1	80.9	171.6	1198.5	10%	7%	14%	68%	47%
Basin Index					**11%**	**9%**	**30%**	**35%**	**30%**
# of reservoirs					5	5	5	5	5

Rio Grande Headwaters	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Beaver Reservoir	3.6	3.9	4.4	4.5	80%	86%	98%	82%	88%
Santa Maria Reservoir	8.5	11.6	7.5	45.0	19%	26%	17%	113%	154%
Mountain Home Reservoir	5.0	4.7	3.6	18.0	28%	26%	20%	138%	131%
Sanchez Reservoir	9.0	6.7	20.6	103.0	9%	6%	20%	43%	32%
La Jara Reservoir	2.7	1.7	2.3					119%	73%
Platoro Reservoir	13.8	14.4	18.3	60.0	23%	24%	31%	75%	79%
Continental Reservoir	13.9	12.1	7.0	27.0	51%	45%	26%	199%	173%
Rio Grande Reservoir	29.6	23.8	19.5	51.0	58%	47%	38%	152%	122%
Terrace Reservoir	9.3	7.4	8.1	18.0	52%	41%	45%	115%	91%
Basin Index					**28%**	**26%**	**27%**	**104%**	**94%**
# of reservoirs					8	8	8	9	9

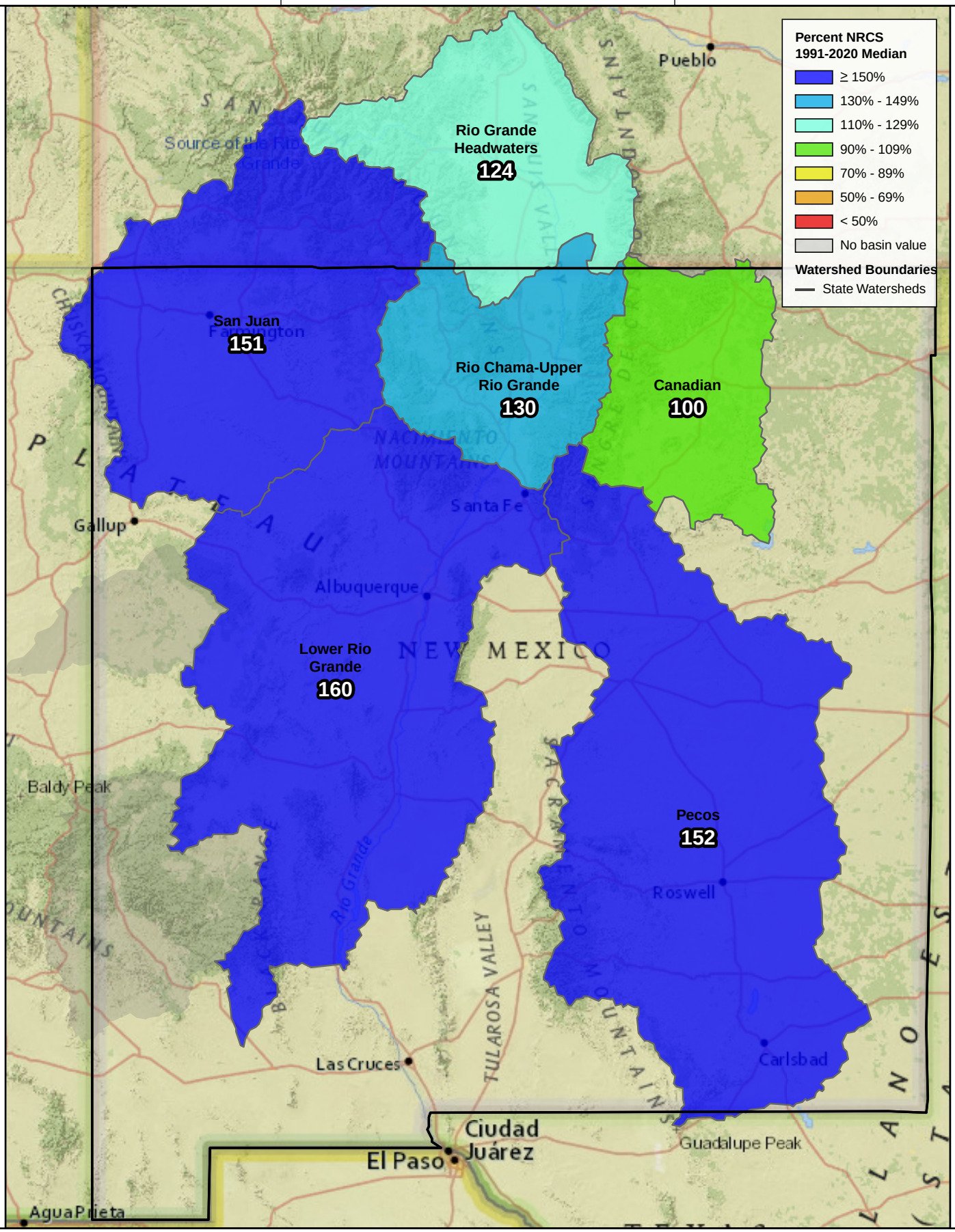
San Juan	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Navajo Reservoir	1123.7	898.3	1393.0	1696.0	66%	53%	82%	81%	64%
Vallecito Reservoir	36.5	73.0	85.7	126.0	29%	58%	68%	43%	85%
Lemon Reservoir	13.2	19.0	22.4	40.0	33%	48%	56%	59%	85%
Jackson Gulch Reservoir	8.2	7.3	7.6	10.0	82%	73%	76%	107%	96%
Basin Index					**63%**	**53%**	**81%**	**78%**	**66%**
# of reservoirs					4	4	4	4	4

Forecast Volume,
50% Exceedance Probability

New Mexico Basinwide Streamflow Forecast Summary

Percent NRCS 1991-2020 Median

Primary Period, May 1, 2023



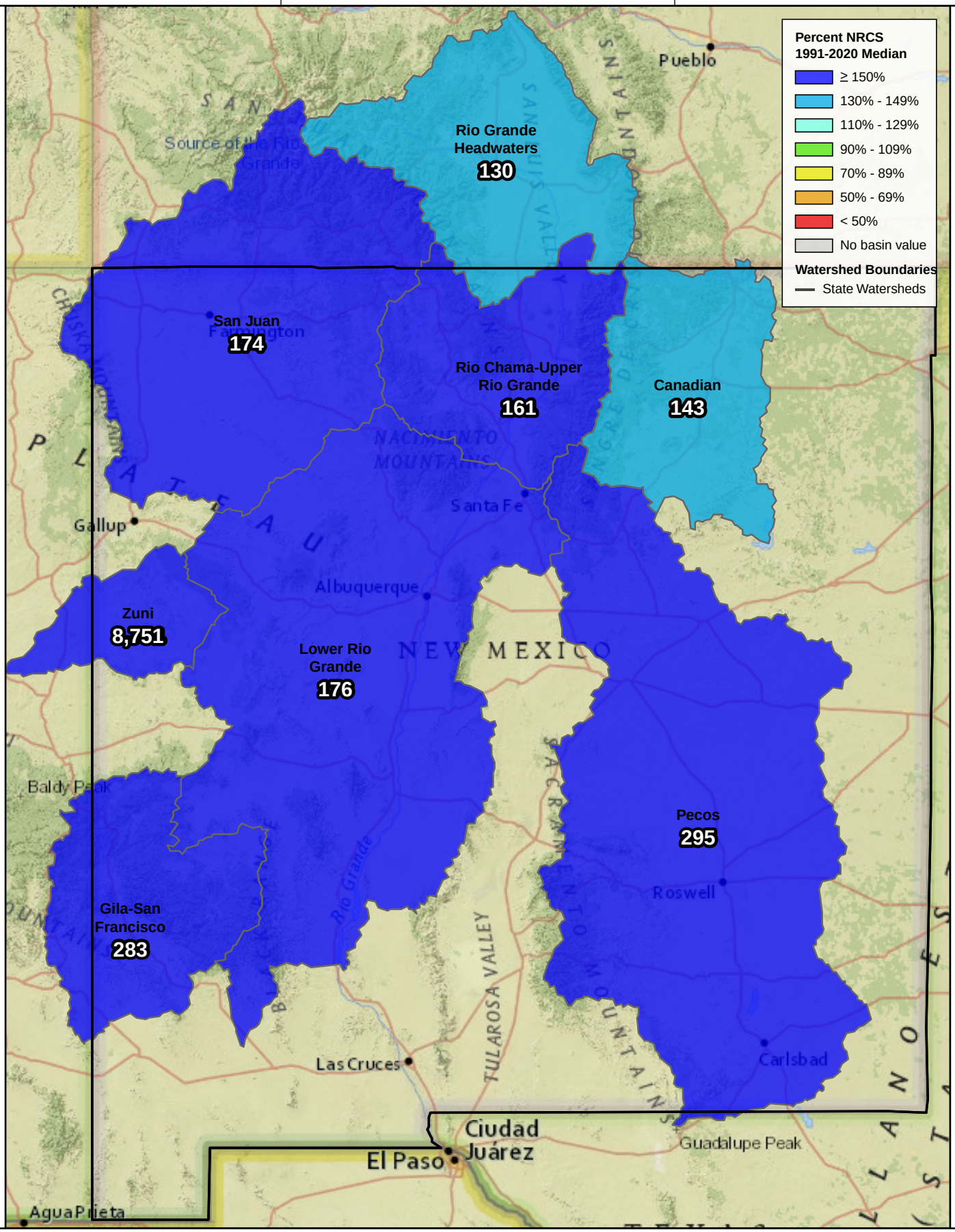
USDA Natural Resources Conservation Service
United States Department of Agriculture

N

0 10 20 40 60 80 100 Miles

Created 5-09-2023

1 month Adjusted Volume, Observed	New Mexico Basinwide Observed Streamflow Summary Percent NRCS 1991-2020 Median	April 1, 2023 - April 30, 2023



USDA Natural Resources Conservation Service
United States Department of Agriculture

N

0 10 20 40 60 80 100 Miles

Created 5-09-2023

Report Created:
5/5/2023 2:51:36 PM

Streamflow Forecast Summary: May 1, 2023
(Medians based On 1991-2020 reference period)

		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Canadian	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Vermejo R nr Dawson								
	MAR-JUN	1.27	1.97	2.6	49%	3.3	4.7	5.3
	MAY-JUN	0.55	1.25	1.88	49%	2.6	4	3.8
Cimarron R nr Cimarron[2]								
	MAR-JUN	6.8	10.2	12.5	136%	14.8	18.2	9.2
	MAY-JUN	-0.2	3.2	5.5	122%	7.8	11.2	4.5
Eagle Nest Reservoir Inflow[2]								
	MAR-JUN	5.3	7.3	8.6	128%	10	12	6.7
	MAY-JUN	-0.65	1.35	2.6	108%	4	6	2.4
Ponil Ck nr Cimarron								
	MAR-JUN	1.9	2.7	3.4	63%	4.2	5.7	5.4
	MAY-JUN	0.77	1.57	2.3	74%	3.1	4.6	3.1
Rayado Ck nr Cimarron								
	MAR-JUN	2.9	3.8	4.5	88%	5.3	6.8	5.1
	MAY-JUN	0.89	1.79	2.5	93%	3.3	4.8	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

		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Gila-San Francisco	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
San Francisco R at Clifton								
Gila R at Gila								
Gila R bl Blue Ck nr Virden								
San Francisco R at Glenwood								

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						
Lower Rio Grande	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Jemez R bl Jemez Canyon Dam								
	MAR-JUL	35	39	42	191%	46	52	22
	MAY-JUL	6	9.9	13.1	164%	16.7	23	8
Jemez R nr Jemez								
	MAR-JUL	43	47	49	169%	52	57	29
	MAY-JUL	11.1	14.6	17.2	130%	20	25	13.2
Santa Fe R nr Santa Fe [2]								
	MAR-JUL	4.4	5	5.4	164%	5.9	6.6	3.3
	MAY-JUL	2.1	2.7	3.1	148%	3.6	4.3	2.1
Mimbres R at Mimbres[2]								
Rio Grande at San Marcial [2]								

	MAR-JUL	340	425	480	139%	535	620	345
	MAY-JUL	176	260	315	162%	370	455	195

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						
Pecos	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Pecos R nr Pecos								
	MAR-JUL	60	69	76	143%	83	95	53
	MAY-JUL	37	46	53	133%	60	72	40
Rio Ruidoso at Hollywood								
	MAR-JUN	6	6.6	7	206%	7.5	8.3	3.4
	MAY-JUN	1.23	1.77	2.2	162%	2.7	3.5	1.36
Gallinas Ck nr Montezuma								
	MAR-JUL	10.4	12.4	13.9	174%	15.6	18.4	8
	MAY-JUL	4.5	6.5	8	190%	9.7	12.5	4.2
Pecos R ab Santa Rosa Lk								
	MAR-JUL	53	64	72	176%	81	97	41
	MAY-JUL	22	33	41	152%	50	66	27
Pecos R nr Anton Chico								
	MAR-JUL	65	77	87	164%	97	115	53
	MAY-JUL	29	41	51	170%	61	79	30

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						
Rio Chama-Upper Rio Grande	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Santa Cruz R at Cundiyo								
	MAR-JUL	15.7	17.9	19.6	118%	21	24	16.6
	MAY-JUL	8.6	10.8	12.5	126%	14.3	17.2	9.9
Costilla Reservoir Inflow[2]								
	MAR-JUL	4.4	5.6	6.6	64%	7.6	9.3	10.3
	MAY-JUL	2.9	4.1	5.1	61%	6.1	7.8	8.4
Nambe Falls Reservoir Inflow[2]								
	MAR-JUL	7	7.9	8.6	154%	9.4	10.5	5.6
	MAY-JUL	3.4	4.3	5	122%	5.7	6.9	4.1
Rio Lucero nr Arroyo Seco								
	MAR-JUL	8	9.3	10.3	102%	11.4	13.2	10.1
	MAY-JUL	4	5.4	6.4	76%	7.5	9.3	8.4
Embudo Ck at Dixon								
	MAR-JUL	42	49	54	169%	59	67	32
	MAY-JUL	27	34	39	177%	44	53	22
Tesuque Ck ab diversions								
	MAR-JUL	1.75	2.1	2.3	204%	2.6	3	1.13
	MAY-JUL	0.81	1.12	1.36	189%	1.62	2.1	0.72
Rio Pueblo de Taos nr Taos								
	MAY-JUL	4.6	6.6	8.1	81%	9.8	12.6	10
Rio Hondo nr Valdez								
	MAR-JUL	9.2	11.2	12.8	85%	14.5	17.2	15.1
	MAY-JUL	6.4	8.4	10	78%	11.7	14.4	12.8
Costilla Ck nr Costilla [2]								

	MAR-JUL	9.1	11.7	13.9	63%	16.3	20	22
	MAY-JUL	4.8	7.4	9.6	53%	12	16.1	18.1
Rio Grande at Otowi Bridge [2]								
	MAR-JUL	570	645	700	124%	760	850	565
	MAY-JUL	335	410	465	124%	525	615	375
Red R bl Fish Hatchery nr Questa								
	MAR-JUL	16.5	19.6	22	71%	25	28	31
	MAY-JUL	8.4	11.5	13.9	58%	16.5	21	24
Rio Pueblo de Taos bl Los Cordovas								
	MAR-JUL	18.6	25	30	143%	36	47	21
	MAY-JUL	6.6	12.8	18.1	131%	24	35	13.8
El Vado Reservoir Inflow [2]								
	MAR-JUL	240	270	295	159%	320	360	186
	MAY-JUL	164	197	220	182%	245	285	121

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						
Rio Grande Headwaters	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Sangre de Cristo Ck [2]								
	APR-SEP	5.6	8.5	10.8	99%	13.4	17.9	10.9
	MAY-SEP	4.3	7.2	9.5	104%	12.1	16.6	9.1
Ute Ck nr Fort Garland								
	APR-SEP	6.7	8.7	10.3	91%	11.9	14.7	11.3
	MAY-SEP	5.9	7.9	9.5	91%	11.1	13.9	10.4
Platoro Reservoir Inflow [2]								
	APR-JUL	51	59	65	127%	72	82	51
	APR-SEP	56	66	72	126%	79	90	57
	MAY-JUL	47	55	61	124%	68	78	49
	MAY-SEP	52	62	68	126%	75	86	54
Rio Grande at Wagon Wheel Gap[2]								
	APR-SEP	280	325	360	116%	395	450	310
	MAY-SEP	245	290	325	114%	360	415	285
San Antonio R at Ortiz								
	APR-SEP	17.3	18.8	19.8	206%	21	23	9.6
	MAY-SEP	9.1	10.6	11.6	247%	12.8	14.5	4.7
Rio Grande at Thirty Mile Bridge[2]								
	APR-JUL	107	122	133	120%	144	159	111
	APR-SEP	125	144	149	124%	169	187	120
	MAY-JUL	99	114	125	125%	136	151	100
	MAY-SEP	117	136	141	128%	161	179	110
Rio Grande nr Lobatos[2]								
La Jara Ck nr Capulin								
	MAY-JUL	4.3	5.6	6.5	141%	7.6	9.3	4.6
Los Pinos R nr Ortiz								
	APR-SEP	76	85	91	149%	97	107	61
	MAY-SEP	63	72	78	159%	84	94	49
Saguache Ck nr Saguache								
	APR-SEP	16.2	22	27	96%	32	41	28
	MAY-SEP	13	19	24	96%	29	38	25
Rio Grande nr Del Norte [2]								
	APR-SEP	445	515	565	118%	620	700	480
	MAY-SEP	380	450	500	119%	555	635	420
Alamosa Ck ab Terrace Reservoir								
	APR-SEP	63	73	80	131%	88	100	61

	MAY-SEP	54	64	71	129%	79	91	55
Conejos R nr Mogote [2]								
	APR-SEP	190	215	235	140%	255	285	168
	MAY-SEP	170	196	215	141%	235	265	152
SF Rio Grande at South Fork[2]								
	APR-SEP	126	143	156	139%	169	190	112
	MAY-SEP	102	119	132	136%	145	166	97
Trinchera Ck ab Turners Ranch								
	APR-SEP	6.7	8.6	10.1	98%	11.6	14.2	10.3
	MAY-SEP	6	7.9	9.4	101%	10.9	13.5	9.3
Culebra Ck at San Luis								
	APR-SEP	6.9	10.3	13.1	78%	16.3	22	16.7
	MAY-SEP	6.1	9.5	12.3	79%	15.5	21	15.5

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						
San Juan	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Vallecito Reservoir Inflow[2]								
	APR-JUL	205	235	255	151%	275	310	169
	MAY-JUL	169	198	220	148%	240	275	149
Mancos R nr Mancos [2]								
	APR-JUL	30	35	39	245%	44	51	15.9
	MAY-JUL	17.2	23	27	257%	32	39	10.5
Lemon Reservoir Inflow[2]								
	APR-JUL	60	68	74	164%	80	89	45
	MAY-JUL	53	61	67	163%	73	82	41
Rio Blanco at Blanco Diversion [2]								
	APR-JUL	54	62	68	142%	74	84	48
	MAY-JUL	43	51	57	136%	63	73	42
Piedra R nr Arboles								
	APR-JUL	235	265	285	163%	310	345	175
	MAY-JUL	144	173	195	152%	220	255	128
Animas R at Durango								
	APR-JUL	480	535	575	153%	615	680	375
	MAY-JUL	420	475	515	156%	555	620	330
Navajo Reservoir Inflow [2]								
	APR-JUL	780	895	980	156%	1070	1210	630
	MAY-JUL	535	650	735	155%	825	970	475
Navajo R bl Oso Diversion [2]								
	APR-JUL	66	76	83	148%	90	102	56
	MAY-JUL	53	63	70	149%	77	89	47
Captain Tom Wash nr Two Gray Hills								
La Plata R at Hesperus								
	APR-JUL	26	29	31	165%	34	38	18.8
	MAY-JUL	19.8	23	25	167%	28	32	15
San Juan R nr Carracas [2]								
	APR-JUL	395	450	490	146%	535	600	335
	MAY-JUL	285	340	380	136%	425	490	280

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						
Zuni	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Zuni R ab Black Rock Reservoir								
Rio Nutria nr Ramah								

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

Data Current As of: 5/9/2023 9:25:07 AM

Rio Grande Headwaters
Streamflow Forecasts - May 1, 2023

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

Rio Grande Headwaters	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Trinchera Ck ab Turners Ranch								
	APR-SEP	6.7	8.6	10.1	98%	11.6	14.2	10.3
	MAY-SEP	6	7.9	9.4	101%	10.9	13.5	9.3
Rio Grande nr Del Norte [2]								
	APR-SEP	445	515	565	118%	620	700	480
	MAY-SEP	380	450	500	119%	555	635	420
Conejos R nr Mogote [2]								
	APR-SEP	190	215	235	140%	255	285	168
	MAY-SEP	170	196	215	141%	235	265	152
Culebra Ck at San Luis								
	APR-SEP	6.9	10.3	13.1	78%	16.3	22	16.7
	MAY-SEP	6.1	9.5	12.3	79%	15.5	21	15.5
Rio Grande nr Lobatos[2]								
Platoro Reservoir Inflow [2]								
	APR-JUL	51	59	65	127%	72	82	51
	APR-SEP	56	66	72	126%	79	90	57
	MAY-JUL	47	55	61	124%	68	78	49
	MAY-SEP	52	62	68	126%	75	86	54
SF Rio Grande at South Fork[2]								
	APR-SEP	126	143	156	139%	169	190	112
	MAY-SEP	102	119	132	136%	145	166	97
Rio Grande at Thirty Mile Bridge[2]								
	APR-JUL	107	122	133	120%	144	159	111
	APR-SEP	125	144	149	124%	169	187	120
	MAY-JUL	99	114	125	125%	136	151	100
	MAY-SEP	117	136	141	128%	161	179	110
La Jara Ck nr Capulin								
	MAY-JUL	4.3	5.6	6.5	141%	7.6	9.3	4.6
San Antonio R at Ortiz								
	APR-SEP	17.3	18.8	19.8	206%	21	23	9.6
	MAY-SEP	9.1	10.6	11.6	247%	12.8	14.5	4.7
Los Pinos R nr Ortiz								
	APR-SEP	76	85	91	149%	97	107	61
	MAY-SEP	63	72	78	159%	84	94	49
Ute Ck nr Fort Garland								
	APR-SEP	6.7	8.7	10.3	91%	11.9	14.7	11.3
	MAY-SEP	5.9	7.9	9.5	91%	11.1	13.9	10.4
Sangre de Cristo Ck [2]								
	APR-SEP	5.6	8.5	10.8	99%	13.4	17.9	10.9
	MAY-SEP	4.3	7.2	9.5	104%	12.1	16.6	9.1
Rio Grande at Wagon Wheel Gap[2]								
	APR-SEP	280	325	360	116%	395	450	310
	MAY-SEP	245	290	325	114%	360	415	285
Alamosa Ck ab Terrace Reservoir								
	APR-SEP	63	73	80	131%	88	100	61
	MAY-SEP	54	64	71	129%	79	91	55
Saguache Ck nr Saguache								
	APR-SEP	16.2	22	27	96%	32	41	28
	MAY-SEP	13	19	24	96%	29	38	25

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 April, 2023	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)
Sanchez Reservoir	9.0	6.7	20.6	103.0
Beaver Reservoir	3.6	3.9	4.4	4.5
Mountain Home Reservoir	5.0	4.7	3.6	18.0
La Jara Reservoir	2.7	1.7	2.3	
Continental Reservoir	13.9	12.1	7.0	27.0
Terrace Reservoir	9.3	7.4	8.1	18.0
Santa Maria Reservoir	8.5	11.6	7.5	45.0
Platoro Reservoir	13.8	14.4	18.3	60.0
Rio Grande Reservoir	29.6	23.8	19.5	51.0

Watershed Snowpack Analysis May 1, 2023	# of Sites	% Median	Last Year % Median
Rio Grande Headwaters	21	122%	42%
Alamosa	3	134%	31%
Conejos	5	162%	57%
Culebra-Trinchera	3	83%	1%
Headwaters Rio Grande	6	122%	51%

Data Current As of: 5/9/2023 9:25:06 AM

Rio Chama-Upper Rio Grande
Streamflow Forecasts - May 1, 2023

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

Rio Chama-Upper Rio Grande	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Tesuque Ck ab diversions								
	MAR-JUL	1.75	2.1	2.3	204%	2.6	3	1.13
	MAY-JUL	0.81	1.12	1.36	189%	1.62	2.1	0.72
Red R bl Fish Hatchery nr Questa								
	MAR-JUL	16.5	19.6	22	71%	25	28	31
	MAY-JUL	8.4	11.5	13.9	58%	16.5	21	24
Rio Pueblo de Taos bl Los Cordovas								
	MAR-JUL	18.6	25	30	143%	36	47	21
	MAY-JUL	6.6	12.8	18.1	131%	24	35	13.8
El Vado Reservoir Inflow [2]								
	MAR-JUL	240	270	295	159%	320	360	186
	MAY-JUL	164	197	220	182%	245	285	121
Santa Cruz R at Cundiyo								
	MAR-JUL	15.7	17.9	19.6	118%	21	24	16.6
	MAY-JUL	8.6	10.8	12.5	126%	14.3	17.2	9.9
Rio Lucero nr Arroyo Seco								
	MAR-JUL	8	9.3	10.3	102%	11.4	13.2	10.1
	MAY-JUL	4	5.4	6.4	76%	7.5	9.3	8.4
Rio Grande at Otowi Bridge [2]								
	MAR-JUL	570	645	700	124%	760	850	565
	MAY-JUL	335	410	465	124%	525	615	375
Costilla Ck nr Costilla [2]								
	MAR-JUL	9.1	11.7	13.9	63%	16.3	20	22
	MAY-JUL	4.8	7.4	9.6	53%	12	16.1	18.1
Embudo Ck at Dixon								
	MAR-JUL	42	49	54	169%	59	67	32
	MAY-JUL	27	34	39	177%	44	53	22
Nambe Falls Reservoir Inflow[2]								
	MAR-JUL	7	7.9	8.6	154%	9.4	10.5	5.6
	MAY-JUL	3.4	4.3	5	122%	5.7	6.9	4.1
Rio Hondo nr Valdez								
	MAR-JUL	9.2	11.2	12.8	85%	14.5	17.2	15.1
	MAY-JUL	6.4	8.4	10	78%	11.7	14.4	12.8
Rio Pueblo de Taos nr Taos								
	MAY-JUL	4.6	6.6	8.1	81%	9.8	12.6	10
Costilla Reservoir Inflow[2]								
	MAR-JUL	4.4	5.6	6.6	64%	7.6	9.3	10.3
	MAY-JUL	2.9	4.1	5.1	61%	6.1	7.8	8.4

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

Reservoir Storage End of April, 2023	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)
Abiquiu Reservoir	116.1	80.9	171.6	1198.5
Nambe Falls Reservoir	1.7	1.7	2.0	1.7
Costilla Reservoir	8.3	5.2	8.3	16.0
Heron Reservoir	61.8	58.6	242.5	400.0
El Vado Reservoir	2.8	17.5	118.5	184.8

Watershed Snowpack Analysis May 1, 2023	# of Sites	% Median	Last Year % Median
Rio Chama-Upper Rio Grande	16	137%	52%
Rio Chama	4	170%	48%
Upper Rio Grande	12	119%	55%

Data Current As of: 5/9/2023 9:25:03 AM

Lower Rio Grande
Streamflow Forecasts - May 1, 2023

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

Lower Rio Grande	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Santa Fe R nr Santa Fe [2]								
	MAR-JUL	4.4	5	5.4	164%	5.9	6.6	3.3
	MAY-JUL	2.1	2.7	3.1	148%	3.6	4.3	2.1
Rio Grande at San Marcial [2]								
	MAR-JUL	340	425	480	139%	535	620	345
	MAY-JUL	176	260	315	162%	370	455	195
Mimbres R at Mimbres[2]								
Jemez R nr Jemez								
	MAR-JUL	43	47	49	169%	52	57	29
	MAY-JUL	11.1	14.6	17.2	130%	20	25	13.2
Jemez R bl Jemez Canyon Dam								
	MAR-JUL	35	39	42	191%	46	52	22
	MAY-JUL	6	9.9	13.1	164%	16.7	23	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

Reservoir Storage End of April, 2023	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)
Elephant Butte Reservoir	422.9	256.5	532.5	2195.0
Mcclure Reservoir	2.5	0.6	2.0	3.3
Bluewater Lake	19.7	1.7	6.1	38.5
Cochiti Lake	42.7	42.5	51.6	491.0
Caballo Reservoir	55.0	15.2	60.2	332.0

Watershed Snowpack Analysis May 1, 2023	# of Sites	% Median	Last Year % Median
Lower Rio Grande	10	160%	4%
Jemez	3		
Mimbres	2		

Data Current As of: 5/9/2023 9:25:00 AM

Canadian
Streamflow Forecasts - May 1, 2023

Canadian	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Vermejo R nr Dawson								
	MAR-JUN	1.27	1.97	2.6	49%	3.3	4.7	5.3
	MAY-JUN	0.55	1.25	1.88	49%	2.6	4	3.8
Ponil Ck nr Cimarron								
	MAR-JUN	1.9	2.7	3.4	63%	4.2	5.7	5.4
	MAY-JUN	0.77	1.57	2.3	74%	3.1	4.6	3.1
Cimarron R nr Cimarron[2]								
	MAR-JUN	6.8	10.2	12.5	136%	14.8	18.2	9.2
	MAY-JUN	-0.2	3.2	5.5	122%	7.8	11.2	4.5
Eagle Nest Reservoir Inflow[2]								
	MAR-JUN	5.3	7.3	8.6	128%	10	12	6.7
	MAY-JUN	-0.65	1.35	2.6	108%	4	6	2.4
Rayado Ck nr Cimarron								
	MAR-JUN	2.9	3.8	4.5	88%	5.3	6.8	5.1
	MAY-JUN	0.89	1.79	2.5	93%	3.3	4.8	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

Reservoir Storage End of April, 2023	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)
Conchas Lake	22.7	15.0	124.6	254.4
Eagle Nest Lake nr Eagle Nest, NM	37.8	38.4	48.0	79.0

Watershed Snowpack Analysis May 1, 2023	# of Sites	% Median	Last Year % Median
Canadian	6	163%	0%
Canadian Headwaters	5	88%	0%

Data Current As of: 5/9/2023 9:25:05 AM

Pecos
Streamflow Forecasts - May 1, 2023

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

Pecos	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Gallinas Ck nr Montezuma								
	MAR-JUL	10.4	12.4	13.9	174%	15.6	18.4	8
	MAY-JUL	4.5	6.5	8	190%	9.7	12.5	4.2
Rio Ruidoso at Hollywood								
	MAR-JUN	6	6.6	7	206%	7.5	8.3	3.4
	MAY-JUN	1.23	1.77	2.2	162%	2.7	3.5	1.36
Pecos R nr Pecos								
	MAR-JUL	60	69	76	143%	83	95	53
	MAY-JUL	37	46	53	133%	60	72	40
Pecos R ab Santa Rosa Lk								
	MAR-JUL	53	64	72	176%	81	97	41
	MAY-JUL	22	33	41	152%	50	66	27
Pecos R nr Anton Chico								
	MAR-JUL	65	77	87	164%	97	115	53
	MAY-JUL	29	41	51	170%	61	79	30

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 April, 2023	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)
Brantley Lake nr Carlsbad	26.3	23.2	26.4	1008.2
Brantley Lake nr Carlsbad	26.3	23.2	26.4	1008.2
Lake Avalon	1.5		1.3	4.0
Lake Avalon	1.5		1.3	4.0
Lake Sumner	17.0	13.9	26.9	102.0
Lake Sumner	17.0	13.9	26.9	102.0
Santa Rosa Reservoir	39.2	17.6	59.8	432.2
Santa Rosa Reservoir	39.2	17.6	59.8	432.2

Watershed Snowpack Analysis May 1, 2023	# of Sites	% Median	Last Year % Median
Pecos	5	151%	3%
Pecos Headwaters	4	151%	3%
Rio Hondo	1		

Data Current As of: 5/9/2023 9:25:09 AM

San Juan
Streamflow Forecasts - May 1, 2023

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

San Juan	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Lemon Reservoir Inflow[2]								
	APR-JUL	60	68	74	164%	80	89	45
	MAY-JUL	53	61	67	163%	73	82	41
Mancos R nr Mancos [2]								
	APR-JUL	30	35	39	245%	44	51	15.9
	MAY-JUL	17.2	23	27	257%	32	39	10.5
Vallecito Reservoir Inflow[2]								
	APR-JUL	205	235	255	151%	275	310	169
	MAY-JUL	169	198	220	148%	240	275	149
Animas R at Durango								
	APR-JUL	480	535	575	153%	615	680	375
	MAY-JUL	420	475	515	156%	555	620	330
Rio Blanco at Blanco Diversion [2]								
	APR-JUL	54	62	68	142%	74	84	48
	MAY-JUL	43	51	57	136%	63	73	42
Captain Tom Wash nr Two Gray Hills								
Navajo R bl Oso Diversion [2]								
	APR-JUL	66	76	83	148%	90	102	56
	MAY-JUL	53	63	70	149%	77	89	47
Piedra R nr Arboles								
	APR-JUL	235	265	285	163%	310	345	175
	MAY-JUL	144	173	195	152%	220	255	128
La Plata R at Hesperus								
	APR-JUL	26	29	31	165%	34	38	18.8
	MAY-JUL	19.8	23	25	167%	28	32	15
Navajo Reservoir Inflow [2]								
	APR-JUL	780	895	980	156%	1070	1210	630
	MAY-JUL	535	650	735	155%	825	970	475
San Juan R nr Carracas [2]								
	APR-JUL	395	450	490	146%	535	600	335
	MAY-JUL	285	340	380	136%	425	490	280

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 April, 2023	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)
Lemon Reservoir	13.2	19.0	22.4	40.0
Jackson Gulch Reservoir	8.2	7.3	7.6	10.0
Vallecito Reservoir	36.5	73.0	85.7	126.0
Navajo Reservoir	1123.7	898.3	1393.0	1696.0

Watershed Snowpack Analysis May 1, 2023	# of Sites	% Median	Last Year % Median
San Juan	18	177%	54%
San Juan Headwaters	14	164%	53%

NEW MEXICO WATER SUPPLY OUTLOOK REPORT

Natural Resources Conservation Service

Albuquerque, New Mexico

Issued by:
Terry Cosby
Chief
Natural Resources Conservation Service
U.S. Department of Agriculture

Released by:
J. Xavier Montoya
State Conservationist
Natural Resources Conservation Service
Albuquerque, New Mexico

Prepared by:
Jaz Ammon
Water Supply Specialist (Hydrologic Technician)
Natural Resources Conservation Service
Albuquerque, New Mexico

Reviewed by:
Richard Strait
State Soil Scientist
Natural Resources Conservation Service
Albuquerque, New Mexico