

New Mexico Water Supply Outlook Report February 1, 2023



Alfred "Buster" Chavez (New Mexico Office of the State Engineer) measuring conditions at the Aztec #2 Snow Course in the Canadian basin above Cimarron, New Mexico on January 31st, 2023. Snow Water Equivalent [SWE] at this site was 70% of the reference period median at the time of this survey.

NRCS Photo: Jaz Ammon

Basin Outlook Reports

and

Federal - State - Private

Cooperative Snow Surveys

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<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.

February 1, 2023 Summary

**This version has been updated from the latest WSOR publication released by the New Mexico NRCS on February 8th, 2023.*

As noted by one forecast hydrologist, “if you are looking for more water, last month’s precipitation was encouraging, at least compared to conditions on January 1” throughout New Mexico. This new snowfall accumulation has the potential to substantially improve the state’s Water Supply Outlook. Snowmelt appears likely to translate into higher observed streamflow during the spring runoff period when compared to calculations produced last month. Generally robust fall baseflows coupled with reduced soil moisture deficits going into winter should combine with improved snow and rainfall totals to improve runoff efficiencies from those seen in recent years. It must be noted that half of the typical snow accumulation season for the state still lies ahead. Additionally, many factors influencing how the melt season unfolds (such as dust on snow events as seen in widespread areas across the southwest last year, or early rainfall occurrence) may have a substantial impact on spring and early summer runoff cycles. With these factors in mind, there is still significant uncertainty inherent in these current forecasts. With the last month of precipitation accounted for, New Mexico generally has a much higher likelihood for near normal runoff in all major drainage basins as compared to the outlook for January 1, 2023. Streamflow forecasts reflect this trend.

For Snow Water Equivalent [SWE], a strong trend toward a more robust snowpack in the western portions of the state can be seen in the associated map graphic. *Streamflow forecasts* for the primary forecast period in each basin generally follow the same spatial distribution as SWE totals. Thus the 50% exceedance probability streamflow volumes forecasted for basins draining west from the continental divide generally trend higher for the melt-driven runoff months in those basins than in other parts of the state.

Generous snow accumulation in some areas of the state were captured by above median *observed streamflow* for the month of January in these regions. However, a slightly different spatial pattern emerges with cumulative precipitation and observed streamflow values. The southern

portion of New Mexico has received more generous water year-to-date total precipitation (as both rain and snow) compared to basins further north in the state. Comparing this total to observed streamflow showed a better match for this distinct geospatial pattern prior to the transition into winter. Comparatively lower snow accumulation in the eastern New Mexico basins in January are reflected in the lower monthly streamflow values for that region of the state, namely the Canadian and Pecos basins. Cumulative precipitation is still above median in all major basins aside from the Canadian, which lags slightly below the reference period normal.

Forecast skill will continue to improve as more of the winter season weather has been recorded, so the range of possible flows throughout New Mexico's forecasted basins remains relatively wide for February 1.



Scenery above the Cimarron Valley on a sunny January 31st, 2023. NRCS Photo: Jaz Ammon

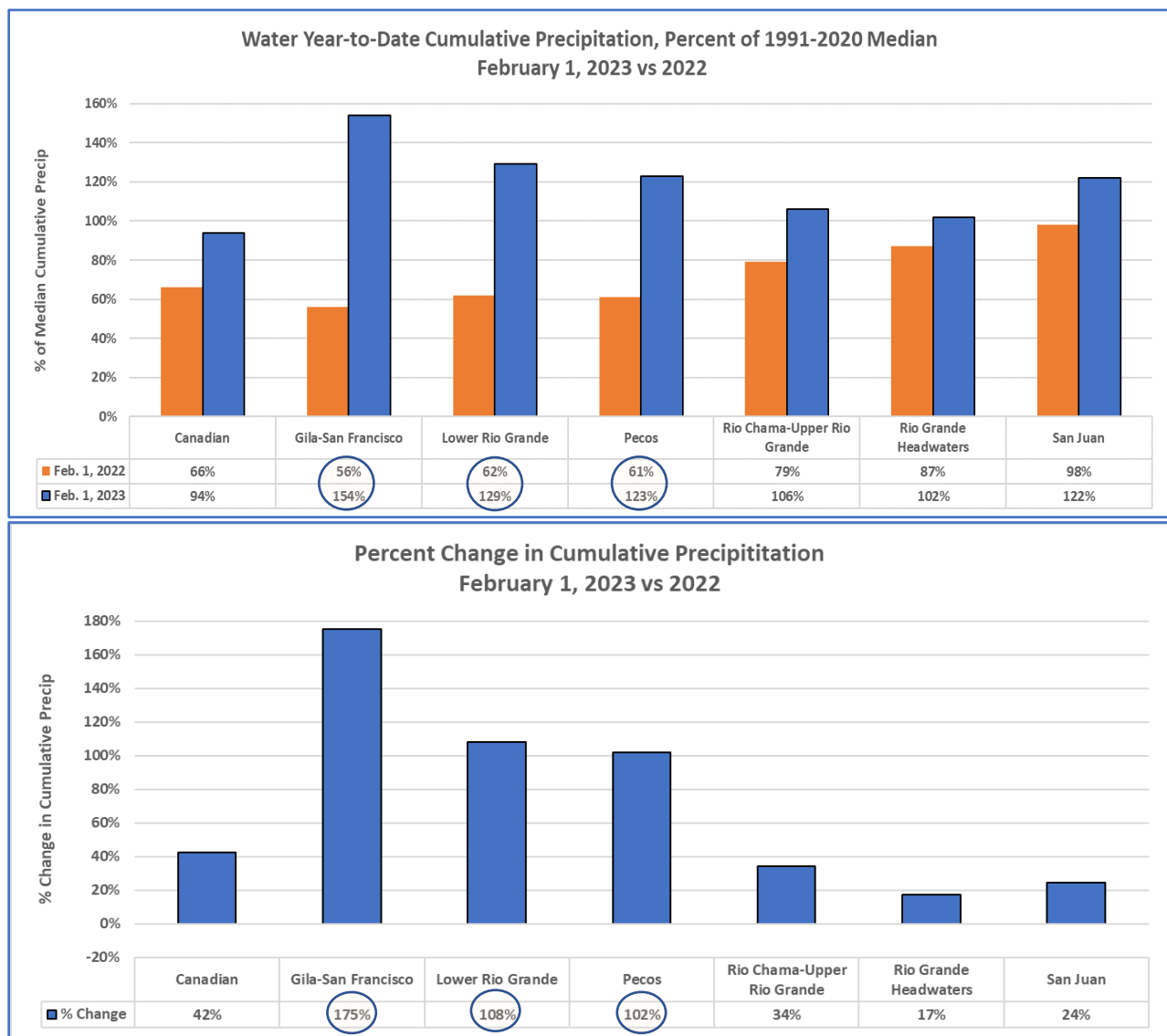
Snowpack

The early effects of another La Niña winter in New Mexico have been somewhat mitigated over the past month across the state's major water supply basins. Snow accumulation has been highest in the western mountains and along the continental divide, with more sparse snowfall further east along the Sangre de Cristo and Sacramento ranges. All basins statewide show increased SWE compared to the February 1 reporting period for 2022. Snowpack levels ranged from a high of 252 percent of median Snow Water Equivalent [SWE] in the Zuni and 140 percent of median for the San Juan to a low of 77 percent of median in the Canadian basin. The largest percentage change in SWE as compared to the February 1 reporting period in 2022 was recorded in the Gila-San Francisco basin, with an increase of 113 percent of median SWE when compared to last year. This was followed by a large percentage increase in the Zuni basin for the same reference dates when comparing to the dry winter conditions leading up to February 1, 2022. More detailed reporting of conditions within each basin where NRCS SWE measurements are recorded in New Mexico can be viewed in the attached tables under the Basinwide Snowpack Summary and in the map graphic below.



Precipitation

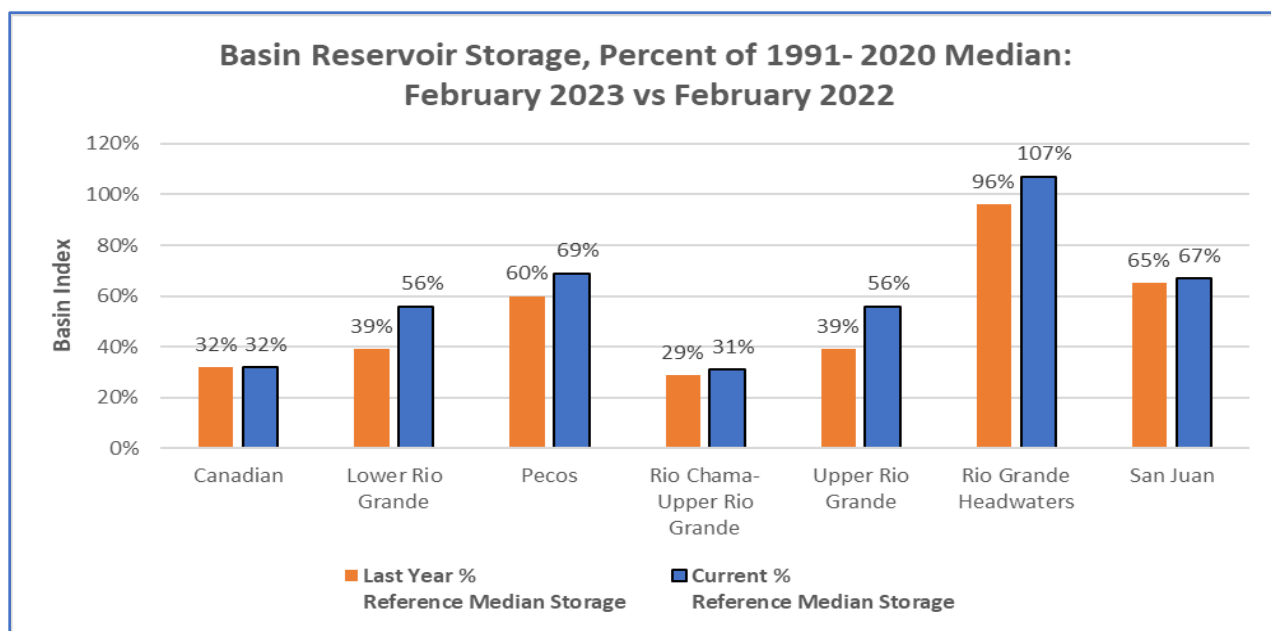
Water year-to-date precipitation for February 1 shows a slightly different trend from recorded snowpack conditions throughout New Mexico. Above median total precipitation has been recorded across all major basins within the state since October 1, 2022, with one exception. The Canadian basin has received slightly below the reference period normal for total precipitation as of February 1, at 94 percent of median. Robust late monsoonal rainfall between October 1 and the start of snow accumulation was concentrated in the southern portion of the state. Notably, the Gila-San Francisco, Lower Rio Grande, and Pecos basins have all received a greater than 100 percent of median increase in cumulative precipitation over February 1 totals in water year 2022. Further countering regional snow distribution trends, the Rio Grande Headwaters and Rio Chama-Upper Rio Grande basins have received only a small percentage increase of overall precipitation to date compared to values measured in water year 2022 through February 1.



Reservoirs

Reservoir storage systems with complete reporting throughout the state are generally showing increased volumes compared to February 1, 2022. One exception is the Canadian basin storage network which is showing stable volumes from last year. All surface water storage systems throughout the New Mexico basins accounted for in this NRCS reporting period are showing a combined **14.95%** increase in total storage volume from last year's February 1 totals. However, these totals are still below to well below reference period median levels in all basins except the Rio Grande Headwaters. Water users should continue to monitor reservoir management decisions and cumulative water supply conditions to evaluate water use plans as the winter progresses and reservoir volumes increase toward annual peaks.

Basinwide Summary: February 1, 2023 (Medians based on 1991- 2020 reference period)	Reservoir Storage Summary for the End of January 2023				
	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Canadian	17%	17%	52%	32%	32%
Lower Rio Grande	12%	8%	21%	56%	39%
Pecos	5%	4%	7%	69%	60%
Rio Chama-Upper Rio Grande	8%	7%	26%	31%	29%
Upper Rio Grande	12%	8%	21%	56%	39%
Rio Grande Headwaters	25%	23%	24%	107%	96%
San Juan	50%	49%	75%	67%	65%



Streamflow

Forecasted streamflow at the 50% exceedance probability still show a wide range, reflecting forecast uncertainty, with generally higher values following more robust snowpack in the western and northern extents of New Mexico. One month *observed streamflow* for January 2023 showed a similar trend, as stream systems responded to precipitation patterns across the state. Further detail is seen in the attached streamflow forecast summary and individual basin outlook pages, as well as the map graphics below. As noted in the summary for this report, February 1 forecasts can be expected to show increased skill from the prior month but are still best referenced for advisory purposes. Uncertainty in future winter and spring weather conditions is still quite high with half the winter accumulation season ahead. These unknown factors present challenges for forming accurate predictions of spring snowmelt, runoff, and ultimately streamflow conditions. As conditions move toward peak SWE in the region's mountains over the coming months, forecast skill is expected to improve significantly. Streamflow normals have changed following shifts in the reference period and measure of central tendency. Please use this [online tool](#)¹ to investigate changes for specific forecast points, and know that 100% of normal may not refer to the same exceedance probabilities as those reported prior to Water Year 2022.



The Ojo Redondo Snow Course in the Zuni Mountains during the latest manual snow survey cycle. SWE at this site stacked up to 167% of median. NRCS Photo: Jaz Ammon

¹ https://www.wcc.nrcs.usda.gov/ftpref/support/srvo_norms_comps/

Snow Water Equivalent

New Mexico Basinwide Snowpack Summary

Percent NRCS 1991-2020 Median

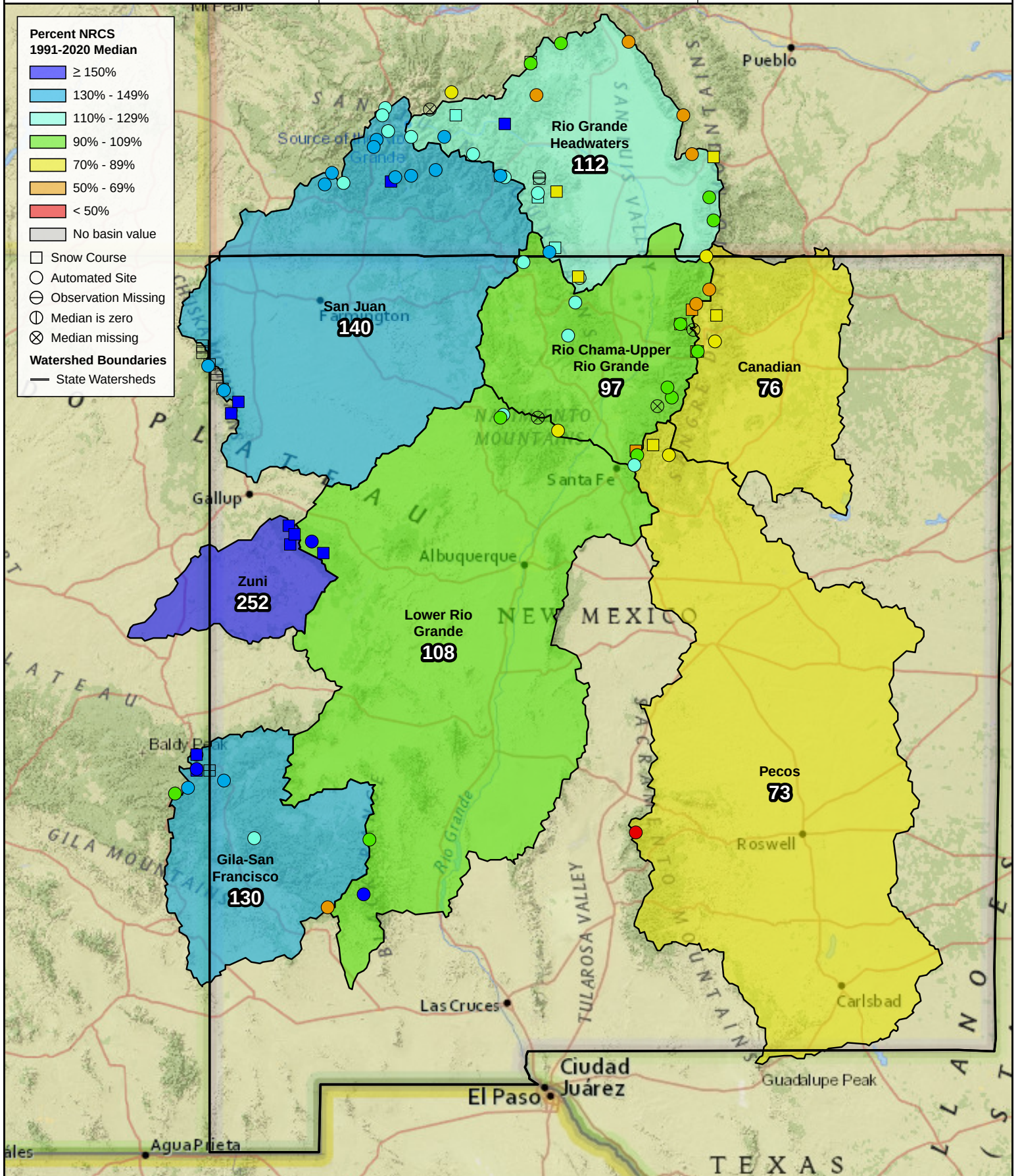
End of January, 2023

Percent NRCS 1991-2020 Median

- $\geq 150\%$
- 130% - 149%
- 110% - 129%
- 90% - 109%
- 70% - 89%
- 50% - 69%
- $< 50\%$
- No basin value

- Snow Course
- Automated Site
- Observation Missing
- Median is zero
- Median missing

- Watershed Boundaries**
- State Watersheds



Natural Resources
Conservation Service
United States Department of Agriculture



0 10 20 40 60 80 100 Miles

Created 2-09-2023

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

Snowpack Summary For February 1, 2023

Canadian	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Aztec #2	SC	9880	10	1.6	2.3	70%		
Hematite Park	SC	9500	11	1.8	3.2	56%	3.0	94%
North Costilla	SNOTEL	10598	14	3.4	4.7	72%	1.5	32%
Palo	SC	9300	18	3.8	4.1	93%	3.0	73%
Palo	SNOTEL	9343	16	4.0	3.9	103%	3.2	82%
Red River Pass #2	SNOTEL	9855	16	3.2	5.0	64%	2.8	56%
Shuree	SNOTEL	10092	10	2.3	3.7	62%	3.3	89%
Taos Canyon	SC	9100	14	2.7	3.7	73%	2.5	68%
Tolby	SNOTEL	10220	19	4.3	5.1	84%	3.6	71%
Wesner Springs	SNOTEL	11151	28	7.2	9.2	78%	5.6	61%
Basin Index						77%		67%
# of sites						9		9

Canadian Headwaters	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Aztec #2	SC	9880	10	1.6	2.3	70%		
Hematite Park	SC	9500	11	1.8	3.2	56%	3.0	94%
North Costilla	SNOTEL	10598	14	3.4	4.7	72%	1.5	32%
Palo	SC	9300	18	3.8	4.1	93%	3.0	73%
Palo	SNOTEL	9343	16	4.0	3.9	103%	3.2	82%
Red River Pass #2	SNOTEL	9855	16	3.2	5.0	64%	2.8	56%
Shuree	SNOTEL	10092	10	2.3	3.7	62%	3.3	89%
Taos Canyon	SC	9100	14	2.7	3.7	73%	2.5	68%
Tolby	SNOTEL	10220	19	4.3	5.1	84%	3.6	71%
Basin Index						76%		69%
# of sites						8		8

Gila-San Francisco	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Beaver Head	SNOTEL	8076	12	3.2	2.2	145%	1.4	64%
Coronado Trail	SNOTEL	8418	12	3.6	2.4	150%	0.3	13%
Coronado Trail	SC	8350	18	4.0	1.2	333%	1.5	125%
Frisco Divide	SNOTEL	8013	12	2.8	2.0	140%	1.5	75%
Hannagan Meadows	SNOTEL	9027	28	6.9	7.2	96%	5.6	78%
Lookout Mountain	SNOTEL	8509	5	1.5	1.5	100%	0.0	0%
Nutriosio	SC	8500	9	1.2	0.8	150%	1.1	138%
Nutriosio	SNOTEL	8571	2	1.4	0.0		0.0	
Signal Peak	SNOTEL	8405	6	1.7	2.6	65%	0.5	19%
Silver Creek Divide	SNOTEL	9096	21	7.0	5.7	123%	3.8	67%
State Line	SC	8000			1.6		1.1	69%
Basin Index						130%		61%
# of sites						10		10

San Francisco	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Beaver Head	SNOTEL	8076	12	3.2	2.2	145%	1.4	64%
Coronado Trail	SNOTEL	8418	12	3.6	2.4	150%	0.3	13%
Coronado Trail	SC	8350	18	4.0	1.2	333%	1.5	125%
Frisco Divide	SNOTEL	8013	12	2.8	2.0	140%	1.5	75%
Hannagan Meadows	SNOTEL	9027	28	6.9	7.2	96%	5.6	78%
Nutriosio	SC	8500	9	1.2	0.8	150%	1.1	138%
Nutriosio	SNOTEL	8571	2	1.4	0.0		0.0	

Silver Creek Divide	SNOTEL	9096	21	7.0	5.7	123%	3.8	67%
State Line	SC	8000			1.6		1.1	69%
Basin Index						140%		71%
# of sites						8		8
Upper Gila	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Lookout Mountain	SNOTEL	8509	5	1.5	1.5	100%	0.0	0%
Signal Peak	SNOTEL	8405	6	1.7	2.6	65%	0.5	19%
Silver Creek Divide	SNOTEL	9096	21	7.0	5.7	123%	3.8	67%
Basin Index						104%		44%
# 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	23	5.8	2.8	207%	4.4	157%
Elk Cabin	SNOTEL	8239	11	3.2	2.7	119%	2.6	96%
Garita Peak	SNOTEL	10115	23	6.6			4.0	
Lookout Mountain	SNOTEL	8509	5	1.5	1.5	100%	0.0	0%
Mcknight Cabin	SNOTEL	9242	12	3.9	2.5	156%	1.9	76%
Ojo Redondo	SC	8200	17	4.0	2.4	167%	2.7	113%
Quemazon	SNOTEL	9507	19	5.1	6.0	85%	3.8	63%
Rice Park	SNOTEL	8497	26	6.6	4.4	150%	4.9	111%
Rio En Medio	SC	10300	18	3.8	6.4	59%	2.6	41%
Santa Fe	SNOTEL	11465	31	7.7	8.6	90%	6.6	77%
Senorita Divide #2	SNOTEL	8569	25	4.8	5.3	91%	3.3	62%
Signal Peak	SNOTEL	8405	6	1.7	2.6	65%	0.5	19%
Vacas Locas	SNOTEL	9364	34	8.7	7.3	119%	6.1	84%
Basin Index						108%		75%
# of sites						12		12
Jemez	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Garita Peak	SNOTEL	10115	23	6.6			4.0	
Quemazon	SNOTEL	9507	19	5.1	6.0	85%	3.8	63%
Senorita Divide #2	SNOTEL	8569	25	4.8	5.3	91%	3.3	62%
Vacas Locas	SNOTEL	9364	34	8.7	7.3	119%	6.1	84%
Basin Index						100%		71%
# 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	12	3.9	2.5	156%	1.9	76%
Signal Peak	SNOTEL	8405	6	1.7	2.6	65%	0.5	19%
Basin Index						110%		47%
# 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	11	3.2	2.7	119%	2.6	96%
PanchueLa	SC	8400	10	1.8	2.4	75%	1.8	75%
Rio En Medio	SC	10300	18	3.8	6.4	59%	2.6	41%
Santa Fe	SNOTEL	11465	31	7.7	8.6	90%	6.6	77%
Sierra Blanca	SNOTEL	10268	10	2.0	5.7	35%	0.9	16%
Wesner Springs	SNOTEL	11151	28	7.2	9.2	78%	5.6	61%
Basin Index						73%		57%
# of sites						6		6

Pecos Headwaters	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Elk Cabin	SNOTEL	8239	11	3.2	2.7	119%	2.6	96%
PanchueLa	SC	8400	10	1.8	2.4	75%	1.8	75%
Rio En Medio	SC	10300	18	3.8	6.4	59%	2.6	41%
Santa Fe	SNOTEL	11465	31	7.7	8.6	90%	6.6	77%
Wesner Springs	SNOTEL	11151	28	7.2	9.2	78%	5.6	61%
Basin Index						81%		66%
# of sites						5		5

Rio Hondo	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Sierra Blanca	SNOTEL	10268	10	2.0	5.7	35%	0.9	16%
Basin Index						35%		16%
# 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	31	7.7	6.8	113%	6.5	96%
Chamita	SNOTEL	8383	29	7.5	6.4	117%	6.0	94%
Cumbres Trestle	SNOTEL	10035	61	20.2	14.6	138%	18.4	126%
Elk Cabin	SNOTEL	8239	11	3.2	2.7	119%	2.6	96%
Gallegos Peak	SNOTEL	9480	26	6.2	6.3	98%	5.0	79%
Garita Peak	SNOTEL	10115	23	6.6			4.0	
Hematite Park	SC	9500	11	1.8	3.2	56%	3.0	94%
Hopewell	SNOTEL	10095	41	11.0	9.6	115%	8.5	89%
North Costilla	SNOTEL	10598	14	3.4	4.7	72%	1.5	32%
Palo	SC	9300	18	3.8	4.1	93%	3.0	73%
Palo	SNOTEL	9343	16	4.0	3.9	103%	3.2	82%
Quemazon	SNOTEL	9507	19	5.1	6.0	85%	3.8	63%
Red River Pass #2	SNOTEL	9855	16	3.2	5.0	64%	2.8	56%
Rio En Medio	SC	10300	18	3.8	6.4	59%	2.6	41%
Rio Santa Barbara	SNOTEL	10664	34	7.0			5.1	
Santa Fe	SNOTEL	11465	31	7.7	8.6	90%	6.6	77%
Shuree	SNOTEL	10092	10	2.3	3.7	62%	3.3	89%
Taos Canyon	SC	9100	14	2.7	3.7	73%	2.5	68%
Taos Powderhorn	SNOTEL	11045	35	9.4	9.6	98%	8.7	91%
Taos Powderhorn	SC	11250	50	12.6	14.2	89%	11.7	82%
Taos Pueblo	SNOTEL	11020	28	8.0			8.6	
Tres Ritos	SNOTEL	8755	10	2.6	2.6	100%	2.7	104%
Basin Index						97%		84%
# of sites						19		19

Rio Chama	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Bateman	SNOTEL	9249	31	7.7	6.8	113%	6.5	96%
Chamita	SNOTEL	8383	29	7.5	6.4	117%	6.0	94%
Cumbres Trestle	SNOTEL	10035	61	20.2	14.6	138%	18.4	126%
Garita Peak	SNOTEL	10115	23	6.6			4.0	
Hopewell	SNOTEL	10095	41	11.0	9.6	115%	8.5	89%
Basin Index						124%		105%
# 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	11	3.2	2.7	119%	2.6	96%

Gallegos Peak	SNOTEL	9480	26	6.2	6.3	98%	5.0	79%
Hematite Park	SC	9500	11	1.8	3.2	56%	3.0	94%
North Costilla	SNOTEL	10598	14	3.4	4.7	72%	1.5	32%
Palo	SC	9300	18	3.8	4.1	93%	3.0	73%
Palo	SNOTEL	9343	16	4.0	3.9	103%	3.2	82%
Quemazon	SNOTEL	9507	19	5.1	6.0	85%	3.8	63%
Red River Pass #2	SNOTEL	9855	16	3.2	5.0	64%	2.8	56%
Rio En Medio	SC	10300	18	3.8	6.4	59%	2.6	41%
Rio Santa Barbara	SNOTEL	10664	34	7.0			5.1	
Santa Fe	SNOTEL	11465	31	7.7	8.6	90%	6.6	77%
Shuree	SNOTEL	10092	10	2.3	3.7	62%	3.3	89%
Taos Canyon	SC	9100	14	2.7	3.7	73%	2.5	68%
Taos Powderhorn	SNOTEL	11045	35	9.4	9.6	98%	8.7	91%
Taos Powderhorn	SC	11250	50	12.6	14.2	89%	11.7	82%
Taos Pueblo	SNOTEL	11020	28	8.0			8.6	
Tres Ritos	SNOTEL	8755	10	2.6	2.6	100%	2.7	104%
Basin Index						85%		74%
# of sites						15		15

Rio Grande Headwaters	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Beartown	SNOTEL	11600	55	15.6	12.6	124%	11.0	87%
Cochetopa Pass	SC	10000			3.2			
Cochetopa Pass	SNOTEL	10061	16	3.0	3.0	100%	1.7	57%
Culebra #2	SNOTEL	10562	30	6.9	7.4	93%	4.4	59%
Cumbres Trestle	SNOTEL	10035	61	20.2	14.6	138%	18.4	126%
Grayback	SC	11600			8.2			
Grayback	SNOTEL	11626	6				1.8	
Hayden Pass	SNOTEL	10699	20	4.8	9.6	50%	3.2	33%
La Veta Pass	SC	9440	21	3.9	5.4	72%	4.4	81%
Lily Pond	SNOTEL	11069	39	9.1	8.0	114%	9.4	118%
Medano Pass	SNOTEL	9668	10	2.2	3.9	56%	3.1	79%
Middle Creek	SNOTEL	11269	50	14.4	11.8	122%	12.2	103%
Moon Pass	SNOTEL	11128	9	2.2	4.0	55%	1.7	43%
North Costilla	SNOTEL	10598	14	3.4	4.7	72%	1.5	32%
Pinos Mill	SC	10000	62	16.6	13.0	128%	14.6	112%
Platoro	SC	9880	39	9.0	7.6	118%	9.0	118%
Pool Table Mountain	SC	9840	18	17.9	3.2	559%	0.8	25%
Porcupine	SC	10280	27	5.7	5.0	114%	3.3	66%
San Antonio Sink	SC	9200	20	4.0	5.0	80%	6.7	134%
San Antonio Sink	SNOTEL	9143	24	5.7			7.0	
Sargents Mesa	SNOTEL	11499	32	6.8	6.7	101%	4.0	60%
Silver Lakes	SC	9500	19	3.7	4.2	88%	5.5	131%
Slumgullion	SNOTEL	11560	35	7.0	8.8	80%	6.3	72%
Trinchera	SNOTEL	10922	27	5.6	6.2	90%	2.3	37%
Upper Rio Grande	SNOTEL	9379	26	5.7	4.0	143%	2.9	73%
Ute Creek	SNOTEL	10734	21	4.6	7.0	66%	4.0	57%
Wager Gulch	SNOTEL	11132	23	6.0			4.0	
Wolf Creek Summit	SNOTEL	10957	87	24.2	19.2	126%	23.6	123%
Basin Index						112%		88%
# of sites						23		23

Alamosa	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Grayback	SNOTEL	11626	6				1.8	
Grayback	SC	11600			8.2			
Lily Pond	SNOTEL	11069	39	9.1	8.0	114%	9.4	118%
Platoro	SC	9880	39	9.0	7.6	118%	9.0	118%

Silver Lakes	SC	9500	19	3.7	4.2	88%	5.5	131%
Basin Index						110%		121%
# 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	61	20.2	14.6	138%	18.4	126%
Lily Pond	SNOTEL	11069	39	9.1	8.0	114%	9.4	118%
Pinos Mill	SC	10000	62	16.6	13.0	128%	14.6	112%
Platoro	SC	9880	39	9.0	7.6	118%	9.0	118%
San Antonio Sink	SC	9200	20	4.0	5.0	80%	6.7	134%
San Antonio Sink	SNOTEL	9143	24	5.7			7.0	
Basin Index						122%		121%
# 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	30	6.9	7.4	93%	4.4	59%
La Veta Pass	SC	9440	21	3.9	5.4	72%	4.4	81%
Trinchera	SNOTEL	10922	27	5.6	6.2	90%	2.3	37%
Ute Creek	SNOTEL	10734	21	4.6	7.0	66%	4.0	57%
Basin Index						81%		58%
# of sites						4		4
Headwaters Rio Grande	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Beartown	SNOTEL	11600	55	15.6	12.6	124%	11.0	87%
Grayback	SNOTEL	11626	6				1.8	
Grayback	SC	11600			8.2			
Middle Creek	SNOTEL	11269	50	14.4	11.8	122%	12.2	103%
Pool Table Mountain	SC	9840	18	17.9	3.2	559%	0.8	25%
Porcupine	SC	10280	27	5.7	5.0	114%	3.3	66%
Slumgullion	SNOTEL	11560	35	7.0	8.8	80%	6.3	72%
Upper Rio Grande	SNOTEL	9379	26	5.7	4.0	143%	2.9	73%
Wager Gulch	SNOTEL	11132	23	6.0			4.0	
Wolf Creek Summit	SNOTEL	10957	87	24.2	19.2	126%	23.6	123%
Basin Index						140%		93%
# of sites						7		7
San Juan	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Beartown	SNOTEL	11600	55	15.6	12.6	124%	11.0	87%
Beaver Spring	SC	9220			7.7		7.8	101%
Beaver Spring	SNOTEL	9255	35	10.2	6.9	148%	6.4	93%
Bowl Canyon	SC	8980	35	9.2	6.0	153%	6.6	110%
Cascade #2	SNOTEL	9012	35	9.9	6.9	143%	7.2	104%
Columbus Basin	SNOTEL	10781	69	17.9	14.9	120%	14.2	95%
Hidden Valley	SC	8480			5.2		7.4	142%
Lemon Reservoir	SC	8700	34	26.3	5.7	461%	5.0	88%
Mancos	SNOTEL	10044	44	12.7	9.6	132%	9.3	97%
Mineral Creek	SNOTEL	10046	39	10.8	9.0	120%	6.0	67%
Missionary Spring	SC	7940	23	6.4	2.8	229%	3.0	107%
Molas Lake	SNOTEL	10631	52	13.2	10.6	125%	12.6	119%
Navajo Whiskey Ck	SNOTEL	9064	41	9.7	6.8	143%	6.5	96%
Red Mountain Pass	SNOTEL	11080	60	16.8	13.2	127%	12.6	95%
Sharkstooth	SNOTEL	10747	61	16.0	11.4	140%	12.0	105%
Spud Mountain	SNOTEL	10674	73	20.0	14.9	134%	14.8	99%

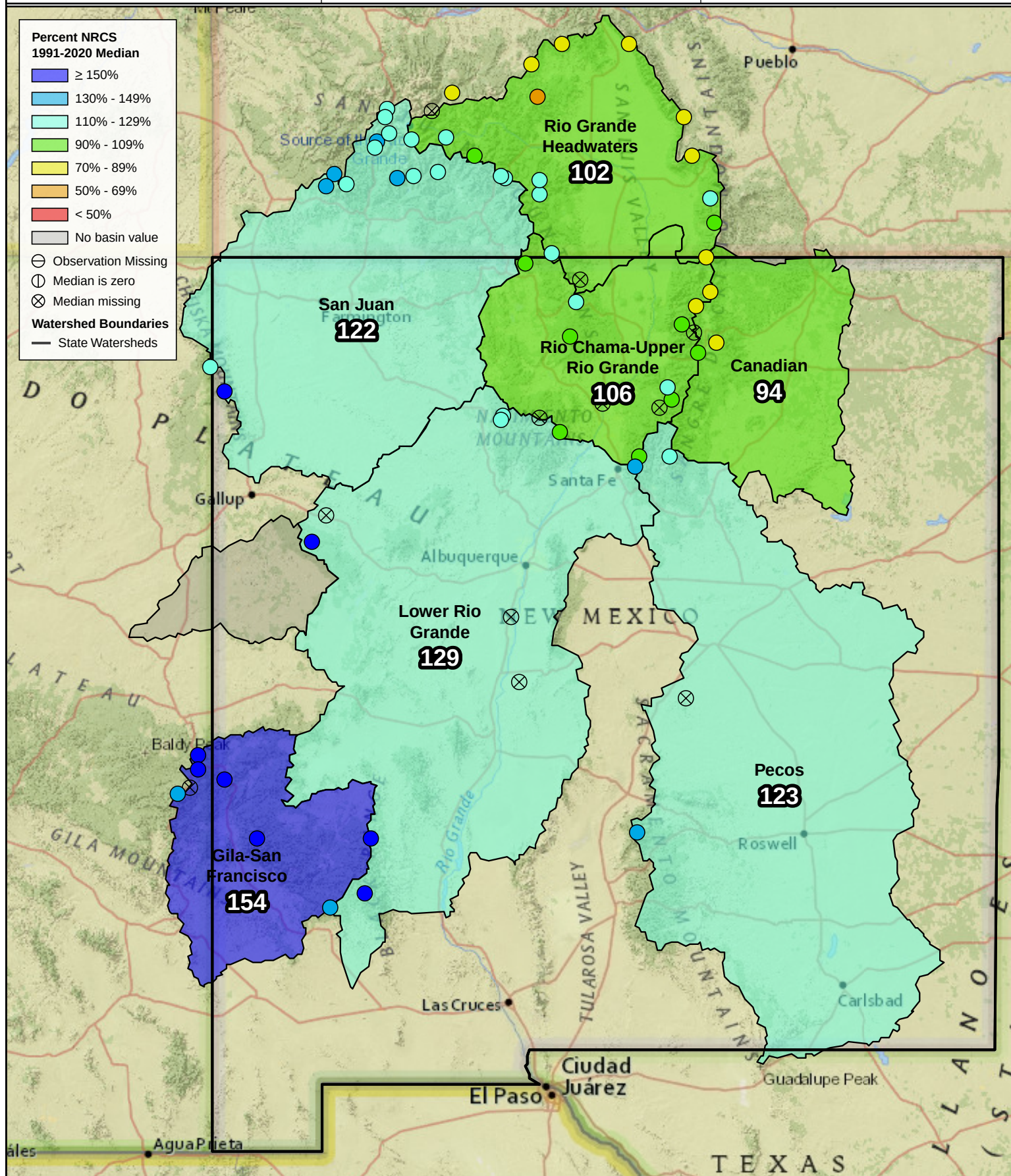
Zuni-Bluewater	Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Boon	SC	8140	23	5.8	2.8	207%	4.4	157%
Dan Valley	SC	7640	19	4.4	2.0	220%	2.4	120%
McGaffey	SC	8120	20	4.9	1.2	408%	2.4	200%
Ojo Redondo	SC	8200	17	4.0	2.4	167%	2.7	113%
Rice Park	SNOTEL	8497	26	6.6	4.4	150%	4.9	111%
Basin Index						201%		131%
# of sites						5		5

Water Year to Date Precipitation

New Mexico Basinwide Precipitation Summary

Percent NRCS 1991-2020 Median

October 1, 2022 - January 31, 2023



Natural Resources
Conservation Service
United States Department of Agriculture



0 10 20 40 60 80 100 Miles

Created 2-09-2023

Report Created: 2/9/2023 10:14:28 AM

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

			Monthly Total Precipitation For January 2023					Water Year To Date Precipitation through January 2023				
Canadian	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	1.8	1.4	129%	1.1	79%	6.4	7.7	83%	4.7	61%
Palo	SNOTEL	9343	2.1	1	210%	0.8	80%	6.1	6.5	94%	4.2	65%
Red River Pass #2	SNOTEL	9855	1.3	1.2	108%	1.1	92%	5.5	6.3	87%	4	63%
Shuree	SNOTEL	10092	1.3	1	130%	1	100%	4.8	5.6	86%	3.9	70%
Tolby	SNOTEL	10220	2.6	1.3	200%	1.3	100%	7.3	8.3	88%	5.7	69%
Wesner Springs	SNOTEL	11151	4	2.1	190%	1.8	86%	12.6	11	115%	7.5	68%
Basin Index					164%		89%			94%		66%
# 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	1.8	1.4	129%	1.1	79%	6.4	7.7	83%	4.7	61%
Palo	SNOTEL	9343	2.1	1	210%	0.8	80%	6.1	6.5	94%	4.2	65%
Red River Pass #2	SNOTEL	9855	1.3	1.2	108%	1.1	92%	5.5	6.3	87%	4	63%
Shuree	SNOTEL	10092	1.3	1	130%	1	100%	4.8	5.6	86%	3.9	70%
Tolby	SNOTEL	10220	2.6	1.3	200%	1.3	100%	7.3	8.3	88%	5.7	69%
Basin Index					154%		90%			88%		65%
# 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	3.2			1.6		10.5			4.4	
Coronado Trail	SNOTEL	8418	2.9	1.2	242%	0.6	50%	10.2	6.8	150%	4.4	65%
Frisco Divide	SNOTEL	8013	2.3	0.9	256%	1	111%	9.1	5.6	163%	4.2	75%
Hannagan Meadows	SNOTEL	9027	5	2.2	227%	2.3	105%	15.3	11	139%	5.8	53%
Lookout Mountain	SNOTEL	8509	1.7	0.9	189%	0.8	89%	8.7	5.6	155%	2.5	45%
Nutriosio	SNOTEL	8571	2.3	0.8	288%	1	125%	8.8	4.9	180%	2.8	57%
Signal Peak	SNOTEL	8405	3.2	1.5	213%	1.3	87%	13	9	144%	3.8	42%
Silver Creek Divide	SNOTEL	9096	6	1.8	333%	1.4	78%	16.6	10	166%	6.3	63%
Basin Index					252%		90%			154%		56%
# 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	3.2			1.6		10.5			4.4	
Coronado Trail	SNOTEL	8418	2.9	1.2	242%	0.6	50%	10.2	6.8	150%	4.4	65%
Frisco Divide	SNOTEL	8013	2.3	0.9	256%	1	111%	9.1	5.6	163%	4.2	75%
Hannagan Meadows	SNOTEL	9027	5	2.2	227%	2.3	105%	15.3	11	139%	5.8	53%
Nutriosio	SNOTEL	8571	2.3	0.8	288%	1	125%	8.8	4.9	180%	2.8	57%
Silver Creek Divide	SNOTEL	9096	6	1.8	333%	1.4	78%	16.6	10	166%	6.3	63%
Basin Index					268%		91%			157%		61%
# 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	1.7	0.9	189%	0.8	89%	8.7	5.6	155%	2.5	45%
Signal Peak	SNOTEL	8405	3.2	1.5	213%	1.3	87%	13	9	144%	3.8	42%
Silver Creek Divide	SNOTEL	9096	6	1.8	333%	1.4	78%	16.6	10	166%	6.3	63%
Basin Index					260%		83%			156%		51%
# 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	2.1	1.4	150%	0.8	57%	8.6	6.4	134%	4	63%
Garita Peak	SNOTEL	10115	3.7			0.6		10.7			4.8	
Lookout Mountain	SNOTEL	8509	1.7	0.9	189%	0.8	89%	8.7	5.6	155%	2.5	45%
Mcknight Cabin	SNOTEL	9242	1.6	1.2	133%	0.6	50%	10	6.4	156%	2.2	34%
Quemazon	SNOTEL	9507	3	1.2	250%	0.6	50%	9.6	8.8	109%	4.6	52%
Rice Park	SNOTEL	8497	4.7	1.4	336%	2.6	186%	11.5	6.8	169%	8	118%
Santa Fe	SNOTEL	11465	3.9	2.4	163%	1.6	67%	11.6	11.3	103%	7.5	66%
Senorita Divide #2	SNOTEL	8569	4.1	2	205%	0.7	35%	10.1	9	112%	5.7	63%
Signal Peak	SNOTEL	8405	3.2	1.5	213%	1.3	87%	13	9	144%	3.8	42%
Vacas Locas	SNOTEL	9364	4.3	1.9	226%	1.4	74%	10.5	9.3	113%	6.8	73%
Basin Index					206%		75%			129%		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	3.7			0.6		10.7			4.8	
Quemazon	SNOTEL	9507	3	1.2	250%	0.6	50%	9.6	8.8	109%	4.6	52%
Senorita Divide #2	SNOTEL	8569	4.1	2	205%	0.7	35%	10.1	9	112%	5.7	63%
Vacas Locas	SNOTEL	9364	4.3	1.9	226%	1.4	74%	10.5	9.3	113%	6.8	73%
Basin Index					224%		53%			111%		63%
# 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	1.6	1.2	133%	0.6	50%	10	6.4	156%	2.2	34%
Signal Peak	SNOTEL	8405	3.2	1.5	213%	1.3	87%	13	9	144%	3.8	42%

Basin Index			178%					70%		149%			39%	
# 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	2.1	1.4	150%	0.8	57%	8.6	6.4	134%	4	63%		
Santa Fe	SNOTEL	11465	3.9	2.4	163%	1.6	67%	11.6	11.3	103%	7.5	66%		
Sierra Blanca	SNOTEL	10268	4.4	1.6	275%	2.3	144%	14.6	9.8	149%	4.6	47%		
Wesner Springs	SNOTEL	11151	4	2.1	190%	1.8	86%	12.6	11	115%	7.5	68%		
Basin Index			192%					87%		123%			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	2.1	1.4	150%	0.8	57%	8.6	6.4	134%	4	63%		
Santa Fe	SNOTEL	11465	3.9	2.4	163%	1.6	67%	11.6	11.3	103%	7.5	66%		
Wesner Springs	SNOTEL	11151	4	2.1	190%	1.8	86%	12.6	11	115%	7.5	68%		
Basin Index			169%					71%		114%			66%	
# 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	4.4	1.6	275%	2.3	144%	14.6	9.8	149%	4.6	47%		
Basin Index			275%					144%		149%			47%	
# 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	3.1	2	155%	0.8	40%	9	8.6	105%	8.4	98%		
Chamita	SNOTEL	8383	3.8	2.2	173%	0.4	18%	8.2	8.3	99%	6.2	75%		
Cumbres Trestle	SNOTEL	10035	8.3	3.6	231%	1.1	31%	19.3	15.2	127%	15.9	105%		
Elk Cabin	SNOTEL	8239	2.1	1.4	150%	0.8	57%	8.6	6.4	134%	4	63%		
Gallegos Peak	SNOTEL	9480	2.7	2.1	129%	0.9	43%	10.1	9.2	110%	6.3	68%		
Garita Peak	SNOTEL	10115	3.7			0.6		10.7			4.8			
Hopewell	SNOTEL	10095	5.2	2.9	179%	1	34%	12.4	10.8	115%	12.1	112%		
North Costilla	SNOTEL	10598	1.8	1.4	129%	1.1	79%	6.4	7.7	83%	4.7	61%		
Palo	SNOTEL	9343	2.1	1	210%	0.8	80%	6.1	6.5	94%	4.2	65%		
Quemazon	SNOTEL	9507	3	1.2	250%	0.6	50%	9.6	8.8	109%	4.6	52%		
Red River Pass #2	SNOTEL	9855	1.3	1.2	108%	1.1	92%	5.5	6.3	87%	4	63%		
Rio Santa Barbara	SNOTEL	10664	2.8			0.8		10.2			6.7			
Santa Fe	SNOTEL	11465	3.9	2.4	163%	1.6	67%	11.6	11.3	103%	7.5	66%		
Shuree	SNOTEL	10092	1.3	1	130%	1	100%	4.8	5.6	86%	3.9	70%		
Taos Powderhorn	SNOTEL	11045	4.4	2.8	157%	1.9	68%	12.7	12.7	100%	12.2	96%		
Taos Pueblo	SNOTEL	11020	4.7			1.7		14.9			13.1			
Tres Ritos	SNOTEL	8755	2	1.4	143%	0.9	64%	7.7	7.4	104%	4.8	65%		
Basin Index			169%					53%		106%			79%	
# 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	3.1	2	155%	0.8	40%	9	8.6	105%	8.4	98%		
Chamita	SNOTEL	8383	3.8	2.2	173%	0.4	18%	8.2	8.3	99%	6.2	75%		
Cumbres Trestle	SNOTEL	10035	8.3	3.6	231%	1.1	31%	19.3	15.2	127%	15.9	105%		
Garita Peak	SNOTEL	10115	3.7			0.6		10.7			4.8			
Hopewell	SNOTEL	10095	5.2	2.9	179%	1	34%	12.4	10.8	115%	12.1	112%		
Basin Index			191%					31%		114%			99%	
# 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	2.1	1.4	150%	0.8	57%	8.6	6.4	134%	4	63%		
Gallegos Peak	SNOTEL	9480	2.7	2.1	129%	0.9	43%	10.1	9.2	110%	6.3	68%		
North Costilla	SNOTEL	10598	1.8	1.4	129%	1.1	79%	6.4	7.7	83%	4.7	61%		
Palo	SNOTEL	9343	2.1	1	210%	0.8	80%	6.1	6.5	94%	4.2	65%		
Quemazon	SNOTEL	9507	3	1.2	250%	0.6	50%	9.6	8.8	109%	4.6	52%		
Red River Pass #2	SNOTEL	9855	1.3	1.2	108%	1.1	92%	5.5	6.3	87%	4	63%		
Rio Santa Barbara	SNOTEL	10664	2.8			0.8		10.2			6.7			
Santa Fe	SNOTEL	11465	3.9	2.4	163%	1.6	67%	11.6	11.3	103%	7.5	66%		
Shuree	SNOTEL	10092	1.3	1	130%	1	100%	4.8	5.6	86%	3.9	70%		
Taos Powderhorn	SNOTEL	11045	4.4	2.8	157%	1.9	68%	12.7	12.7	100%	12.2	96%		
Taos Pueblo	SNOTEL	11020	4.7			1.7		14.9			13.1			
Tres Ritos	SNOTEL	8755	2	1.4	143%	0.9	64%	7.7	7.4	104%	4.8	65%		
Basin Index			155%					67%		101%			69%	
# 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	6.4	3.2	200%	1.4	44%	17.4	15.6	112%	14.3	92%		
Cochetopa Pass	SNOTEL	10061	0.6	0.8	75%	0.6	75%	3.4	4.5	76%	3.2	71%		
Culebra #2	SNOTEL	10562	2.2	1.6	138%	1.3	81%	7.2	7.7	94%	4.3	56%		
Cumbres Trestle	SNOTEL	10035	8.3	3.6	231%	1.1	31%	19.3	15.2	127%	15.9	105%		
Grayback	SNOTEL	11626	3	2.2	136%	1.1	50%	11.2	9.8	114%	11.8	120%		
Hayden Pass	SNOTEL	10699	2.7	1.8	150%	1.7	94%	6.7	8.6	78%	4.4	51%		
Lily Pond	SNOTEL	11069	3.9	2.2	177%	1	45%	13.2	11.2	118%	12.1	108%		

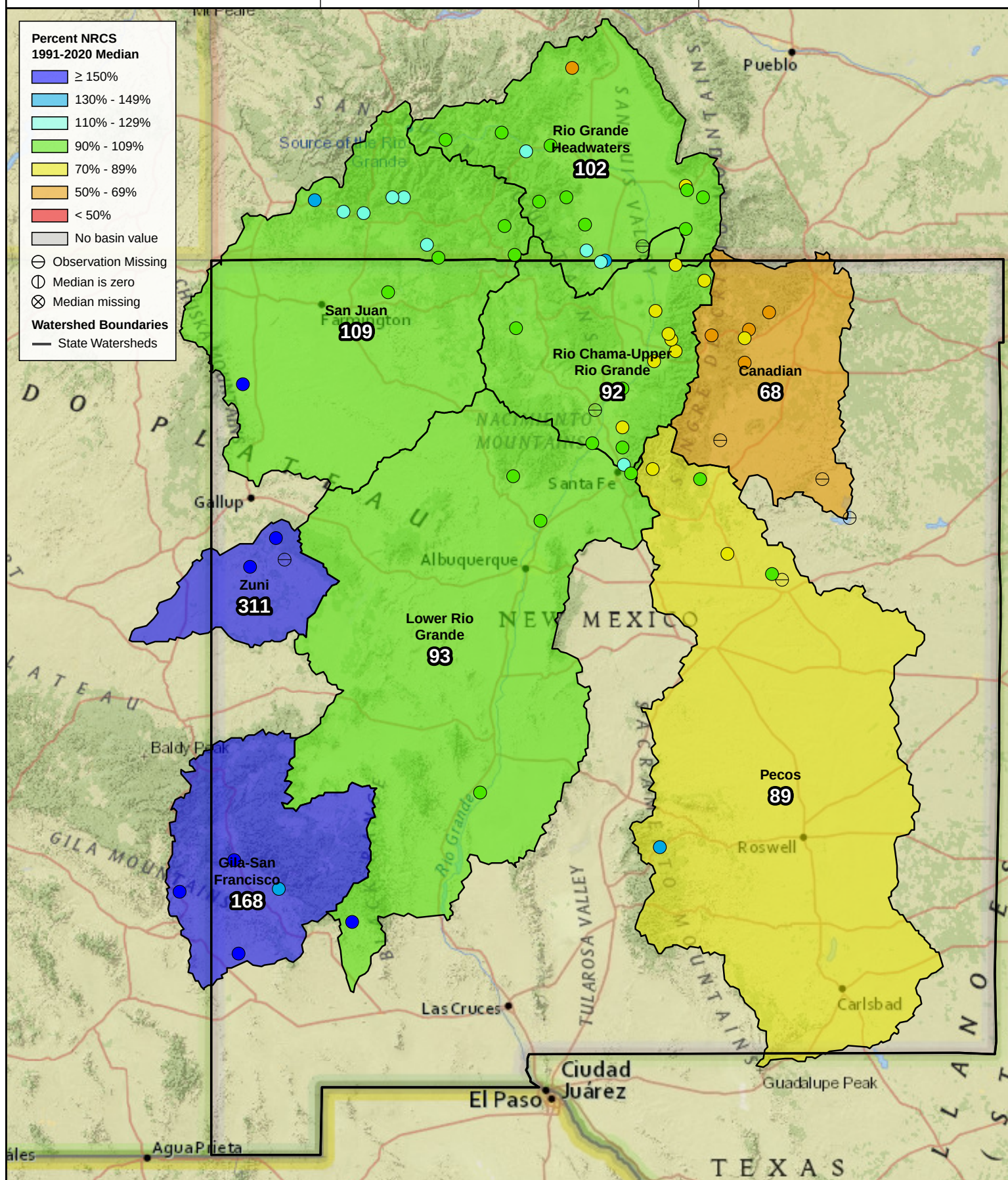
Medano Pass	SNOTEL	9668	2	1.3	154%	2.3	177%	5.4	6.3	86%	5.3	84%
Middle Creek	SNOTEL	11269	5.5	2.4	229%	0.7	29%	16.3	15	109%	14	93%
Moon Pass	SNOTEL	11128	0.7	1.2	58%	0.7	58%	3.2	5	64%	3.8	76%
North Costilla	SNOTEL	10598	1.8	1.4	129%	1.1	79%	6.4	7.7	83%	4.7	61%
San Antonio Sink	SNOTEL	9143	2			0.7		5.5			7.3	
Sargents Mesa	SNOTEL	11499	1.8	1.6	113%	0.9	56%	6.6	7.9	84%	4.9	62%
Slumgullion	SNOTEL	11560	2	1.8	111%	0.8	44%	7	8.4	83%	6.4	76%
Trinchera	SNOTEL	10922	2.3	1.3	177%	1.4	108%	8.1	7	116%	4.8	69%
Upper Rio Grande	SNOTEL	9379	3.1	1	310%	0.1	10%	7.9	6.6	120%	4.9	74%
Ute Creek	SNOTEL	10734	2.7	1.8	150%	2	111%	6.8	8.6	79%	6.8	79%
Wager Gulch	SNOTEL	11132	2.4			0.6		7.6			7	
Wolf Creek Summit	SNOTEL	10957	9.7	3.8	255%	2.1	55%	23.4	20.4	115%	22	108%
Basin Index			178%			62%			102%			87%
# 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	3	2.2	136%	1.1	50%	11.2	9.8	114%	11.8	120%
Lily Pond	SNOTEL	11069	3.9	2.2	177%	1	45%	13.2	11.2	118%	12.1	108%
Basin Index			157%			48%			116%			114%
# 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	8.3	3.6	231%	1.1	31%	19.3	15.2	127%	15.9	105%
Lily Pond	SNOTEL	11069	3.9	2.2	177%	1	45%	13.2	11.2	118%	12.1	108%
San Antonio Sink	SNOTEL	9143	2			0.7		5.5			7.3	
Basin Index			210%			36%			123%			106%
# 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	2.2	1.6	138%	1.3	81%	7.2	7.7	94%	4.3	56%
Trinchera	SNOTEL	10922	2.3	1.3	177%	1.4	108%	8.1	7	116%	4.8	69%
Ute Creek	SNOTEL	10734	2.7	1.8	150%	2	111%	6.8	8.6	79%	6.8	79%
Basin Index			153%			100%			95%			68%
# 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	6.4	3.2	200%	1.4	44%	17.4	15.6	112%	14.3	92%
Grayback	SNOTEL	11626	3	2.2	136%	1.1	50%	11.2	9.8	114%	11.8	120%
Middle Creek	SNOTEL	11269	5.5	2.4	229%	0.7	29%	16.3	15	109%	14	93%
Slumgullion	SNOTEL	11560	2	1.8	111%	0.8	44%	7	8.4	83%	6.4	76%
Upper Rio Grande	SNOTEL	9379	3.1	1	310%	0.1	10%	7.9	6.6	120%	4.9	74%
Wager Gulch	SNOTEL	11132	2.4			0.6		7.6			7	
Wolf Creek Summit	SNOTEL	10957	9.7	3.8	255%	2.1	55%	23.4	20.4	115%	22	108%
Basin Index			206%			43%			110%			97%
# 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	6.4	3.2	200%	1.4	44%	17.4	15.6	112%	14.3	92%
Beaver Spring	SNOTEL	9255	5.1	2.4	213%	0.3	13%	13.5	10.7	126%	10	93%
Cascade #2	SNOTEL	9012	6	2.8	214%	0.3	11%	14	11.3	124%	11.4	101%
Columbus Basin	SNOTEL	10781	10.3	4.1	251%	0.4	10%	21.2	18.2	116%	16.6	91%
Mancos	SNOTEL	10044	6	2.8	214%	0.1	4%	13.8	10.2	135%	8.8	86%
Mineral Creek	SNOTEL	10046	4.6	2.6	177%	0.6	23%	12	10.8	111%	11.2	104%
Molas Lake	SNOTEL	10631	5.5	3.1	177%	0.6	19%	14.3	12.3	116%	14.8	120%
Navajo Whiskey Ck	SNOTEL	9064	5	2.4	208%	0.3	13%	12.4	8.2	151%	8.1	99%
Red Mountain Pass	SNOTEL	11080	6.6	4.2	157%	1.3	31%	18.6	15.8	118%	14.6	92%
Sharktooth	SNOTEL	10747	7.7	3.2	241%	0.3	9%	18.7	13.8	136%	15.6	113%
Spud Mountain	SNOTEL	10674	9.9	4.6	215%	0.8	17%	22.6	17.2	131%	18.9	110%
Stump Lakes	SNOTEL	11248	7.6	2.2	345%	0.3	14%	17.6	12.1	145%	10.9	90%
Upper San Juan	SNOTEL	10140	9.8	4.2	233%	1.4	33%	24.2	21.7	112%	22.1	102%
Vallecito	SNOTEL	10782	5.5	2.3	239%	0.5	22%	14.6	12.2	120%	9.6	79%
Weminuche Creek	SNOTEL	10749	7.6	2.6	292%	0.5	19%	17.8	15	119%	11.1	74%
Wolf Creek Summit	SNOTEL	10957	9.7	3.8	255%	2.1	55%	23.4	20.4	115%	22	108%
Basin Index			224%			22%			122%			98%
# 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	6.4	3.2	200%	1.4	44%	17.4	15.6	112%	14.3	92%
Cascade #2	SNOTEL	9012	6	2.8	214%	0.3	11%	14	11.3	124%	11.4	101%
Columbus Basin	SNOTEL	10781	10.3	4.1	251%	0.4	10%	21.2	18.2	116%	16.6	91%
Mineral Creek	SNOTEL	10046	4.6	2.6	177%	0.6	23%	12	10.8	111%	11.2	104%
Molas Lake	SNOTEL	10631	5.5	3.1	177%	0.6	19%	14.3	12.3	116%	14.8	120%
Red Mountain Pass	SNOTEL	11080	6.6	4.2	157%	1.3	31%	18.6	15.8	118%	14.6	92%
Spud Mountain	SNOTEL	10674	9.9	4.6	215%	0.8	17%	22.6	17.2	131%	18.9	110%
Stump Lakes	SNOTEL	11248	7.6	2.2	345%	0.3	14%	17.6	12.1	145%	10.9	90%
Upper San Juan	SNOTEL	10140	9.8	4.2	233%	1.4	33%	24.2	21.7	112%	22.1	102%
Vallecito	SNOTEL	10782	5.5	2.3	239%	0.5	22%	14.6	12.2	120%	9.6	79%
Weminuche Creek	SNOTEL	10749	7.6	2.6	292%	0.5	19%	17.8	15	119%	11.1	74%

Wolf Creek Summit	SNOTEL	10957	9.7	3.8	255%	2.1	55%	23.4	20.4	115%	22	108%
Basin Index					225%		26%			119%		97%
# 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	4.7	1.4	336%	2.6	186%	11.5	6.8	169%	8	118%
Basin Index					336%		186%			169%		118%
# of sites					1		1			1		1

Forecast Volume,
50% Exceedance Probability

New Mexico Basinwide Streamflow
Forecast Summary
Percent NRCS 1991-2020 Median

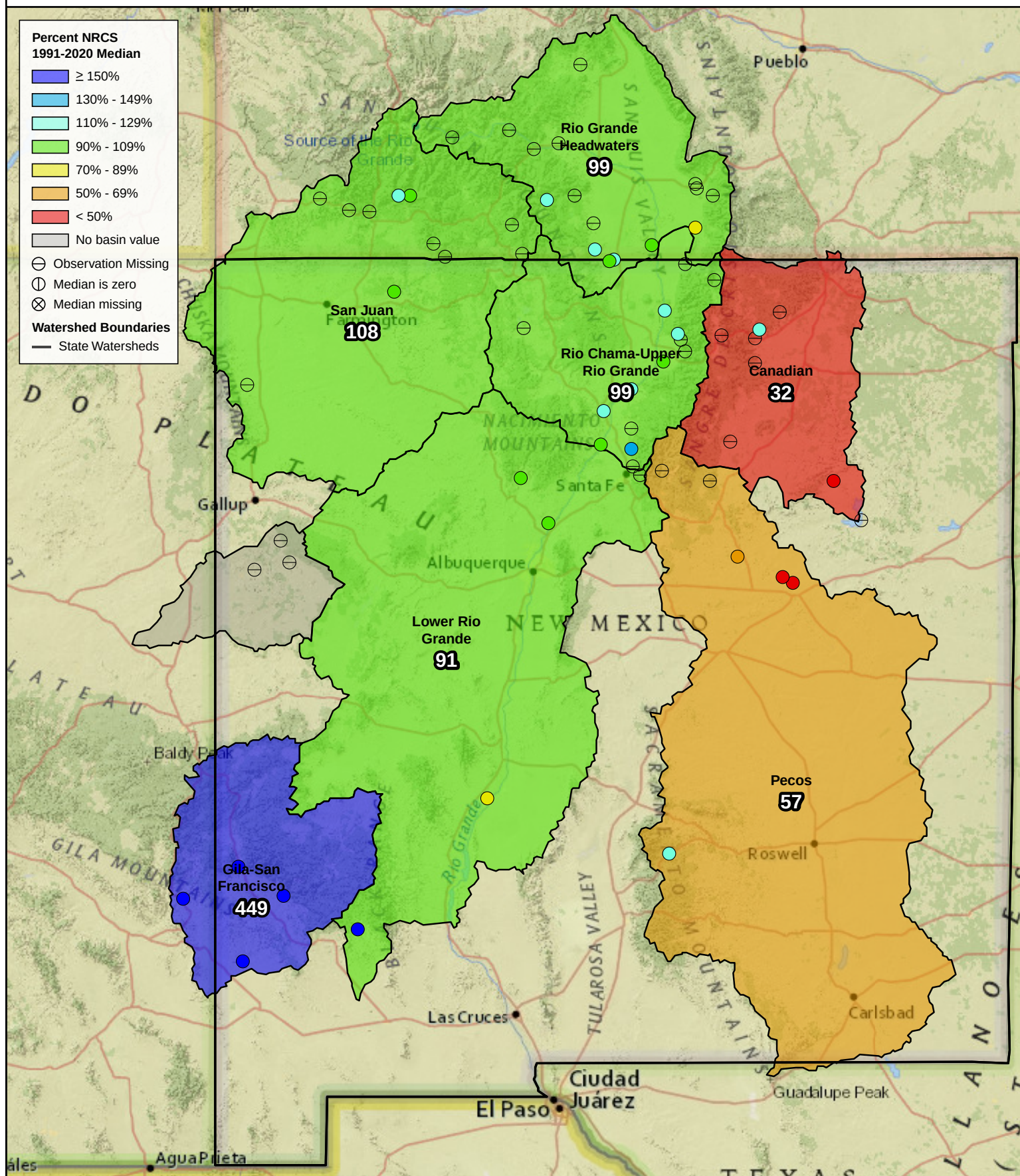
Primary Period, February 1, 2023



1 month Adjusted Volume, Observed

New Mexico Basinwide Observed
Streamflow Summary
Percent NRCS 1991-2020 Median

January 1, 2023 - January 31, 2023



Report Created:
2/9/2023 10:14:38 AM

Streamflow Forecast Summary: February 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	0.88	2.1	3.2	60%	4.5	7	5.3
Ponil Ck nr Cimarron	MAR-JUN	0.3	1.53	3.6	67%	5.7	8.7	5.4
Cimarron R nr Cimarron ²	MAR-JUN	-1	3.3	6.9	75%	10.5	15.7	9.2
Eagle Nest Reservoir Inflow	MAR-JUN	-1	1.99	4.4	66%	6.8	10.4	6.7
Rayado Ck nr Cimarron	MAR-JUN	0.5	1.88	3.5	69%	5.1	7.5	5.1

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

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

		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	FEB-MAY	34	56	75	188%	98	140	40
Gila R bl Blue Ck nr Virden	FEB-MAY	39	63	84	156%	109	155	54
Gila R at Gila	FEB-MAY	31	48	62	141%	79	108	44
San Francisco R at Glenwood	FEB-MAY	16.3	27	36	238%	47	67	15.1

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

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

		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	1.6	2.6	3.4	103%	4.3	5.8	3.3
Rio Grande at San Marcial ²	MAR-JUL	-5.7	181	310	90%	435	620	345
Mimbres R at Mimbres	FEB-MAY	1.75	3.7	5.5	262%	7.7	11.5	2.1
Jemez R nr Jemez	MAR-JUL	17.8	25	31	107%	37	47	29
Jemez R bl Jemez Canyon Dam	MAR-JUL	11.6	18.2	23	105%	29	39	22

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

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

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	2.3	5.1	7.6	95%	10.5	15.8	8
Rio Ruidoso at Hollywood	MAR-JUN	1.52	3.3	5	147%	7	10.5	3.4
Pecos R nr Pecos	MAR-JUL	25	37	46	87%	57	74	53
Pecos R ab Santa Rosa Lk	MAR-JUL	11.1	25	37	90%	52	79	41
Pecos R nr Anton Chico	MAR-JUL	14	30	45	85%	63	93	53

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

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

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	0.5	0.91	1.26	112%	1.66	2.3	1.13
Red R bl Fish Hatchery nr Questa	MAR-JUL	13.4	18.2	22	71%	26	32	31
Rio Pueblo de Taos bl Los Cordovas	MAR-JUL	2.9	9.8	16.8	80%	26	42	21
El Vado Reservoir Inflow ²	MAR-JUL	104	155	195	105%	240	315	186
	APR-JUL	91	138	175	105%	215	285	166
Santa Cruz R at Cundiyo	MAR-JUL	8.5	11.5	13.8	83%	16.4	21	16.6
Rio Lucero nr Arroyo Seco	MAR-JUL	4.1	6.1	7.6	75%	9.3	12.2	10.1
Rio Grande at Otowi Bridge ²	MAR-JUL	270	410	520	92%	645	850	565
Costilla Ck nr Costilla ²	MAR-JUL	7.3	11.8	15.5	70%	19.6	27	22
Embudo Ck at Dixon	MAR-JUL	13.9	24	32	100%	41	58	32
Nambe Falls Reservoir Inflow ²	MAR-JUL	3	4.3	5.2	93%	6.3	8	5.6
Rio Hondo nr Valdez	MAR-JUL	5.4	8.5	10.9	72%	13.6	18.2	15.1
Rio Pueblo de Taos nr Taos	MAR-JUL	4.6	7.6	10.2	82%	13.1	18.1	12.5
Costilla Reservoir Inflow ²	MAR-JUL	3.8	5.8	7.3	71%	9	11.8	10.3

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

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								

Rio Grande nr Del Norte ²	APR-SEP	4.5	7.2	9.4	91%	11.8	16	10.3
Conejos R nr Mogote ²	APR-SEP	300	395	470	98%	545	675	480
Culebra Ck at San Luis	APR-SEP	129	163	189	113%	215	260	168
Rio Grande nr Lobatos	APR-SEP	7.3	11.7	15.4	92%	19.5	26	16.7
Platoro Reservoir Inflow ²								
	APR-JUL	37	47	54	106%	62	74	51
	APR-SEP	41	52	60	105%	69	82	57
SF Rio Grande at South Fork ²	APR-SEP	83	106	123	110%	142	171	112
Rio Grande at Thirty Mile Bridge ²	APR-JUL	77	100	116	105%	132	155	111
	APR-SEP	85	112	130	108%	148	175	120
La Jara Ck nr Capulin	MAR-JUL	4.5	6.5	8	104%	9.7	12.6	7.7
San Antonio R at Ortiz	APR-SEP	5.9	9.5	12.5	130%	15.9	22	9.6
Los Pinos R nr Ortiz	APR-SEP	43	58	69	113%	81	101	61
Ute Ck nr Fort Garland	APR-SEP	4.5	7.3	9.5	84%	12.1	16.4	11.3
Sangre de Cristo Ck ²	APR-SEP	3.1	6.7	10	92%	13.9	21	10.9
Rio Grande at Wagon Wheel Gap ²	APR-SEP	194	255	305	98%	355	440	310
Alamosa Ck ab Terrace Reservoir	APR-SEP	43	55	64	105%	74	90	61
Saguache Ck nr Saguache ²	APR-SEP	9.4	14.7	19	68%	24	32	28

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

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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	36	48	56	124%	65	80	45
Mancos R nr Mancos ²	APR-JUL	9.7	15.9	21	132%	27	37	15.9
Vallecito Reservoir Inflow ²	APR-JUL	133	170	198	117%	230	275	169
Animas R at Durango	APR-JUL	300	380	440	117%	505	610	375
Rio Blanco at Blanco Diversion ²	APR-JUL	31	42	50	104%	59	73	48
Captain Tom Wash nr Two Gray Hills	MAR-MAY	0.49	1.33	2.2	355%	3.5	6.1	0.62
Navajo R bl Oso Diversion ²	APR-JUL	38	51	61	109%	72	90	56
Piedra R nr Arboles	APR-JUL	117	161	195	111%	230	290	175
La Plata R at Hesperus								

Navajo Reservoir Inflow ²	APR-JUL	13.7	19	23	122%	27	35	18.8
San Juan R nr Carracas ²	APR-JUL	365	525	650	103%	790	1020	630
	APR-JUL	210	285	345	103%	410	515	335

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	FEB-MAY	0	0.19	0.5	500%	0.96	1.91	0.1
Rio Nutria nr Ramah	FEB-MAY	0.53	1.19	1.8	281%	2.5	3.8	0.64

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

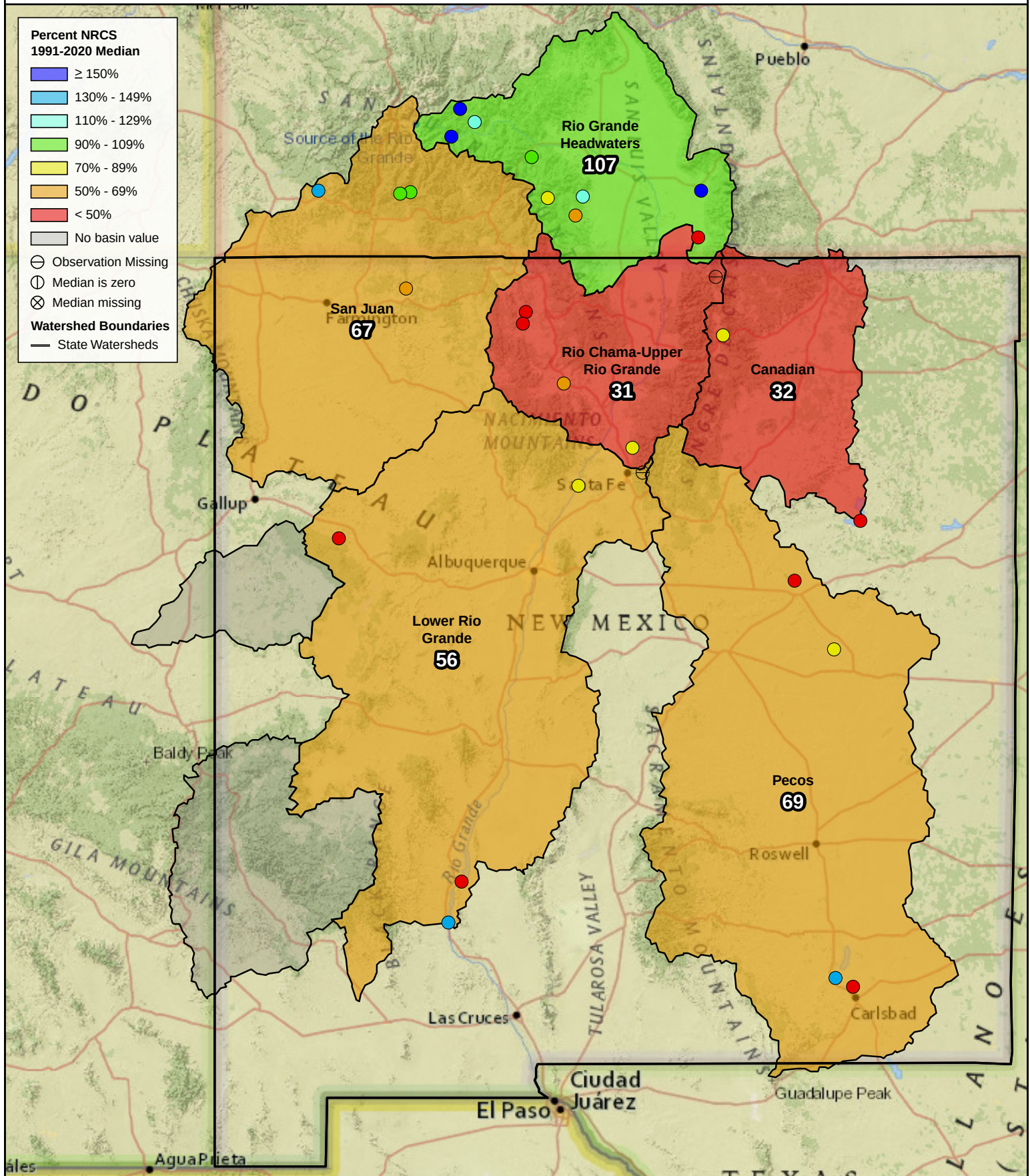
2) Forecasts are For unimpaired flows. Actual flow will be dependent On management of upstream reservoirs And diversions

Reservoir Storage

New Mexico Basinwide Reservoir Storage Summary

Percent NRCS 1991-2020 Median

End of January, 2023



Basinwide Summary: February 1, 2023
(Medians based On 1991-2020 reference period)
Reservoir Storage Summary For the End of January 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	23.7	19.3	129.5	254.4	9%	8%	51%	18%	15%
Eagle Nest Lake nr Eagle Nest, NM	32.0	35.8	44.8	79.0	41%	45%	57%	72%	80%
Basin Index					17%	17%	52%	32%	32%
# 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
Elephant Butte Reservoir	261.6	195.5	553.3	2195.0	12%	9%	25%	47%	35%
McClure Reservoir		0.3	1.6	3.3		9%	48%		18%
Bluewater Lake	1.0	2.0	3.9	38.5	3%	5%	10%	27%	50%
Cochiti Lake	43.0	41.0	50.2	491.0	9%	8%	10%	86%	82%
Caballo Reservoir	52.2	15.7	35.3	332.0	16%	5%	11%	148%	45%
Basin Index					12%	8%	21%	56%	39%
# of reservoirs					4	5	5	4	5
Pecos	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Brantley Lake nr Carlsbad	38.0	28.1	26.1	1008.2	4%	3%	3%	146%	108%
Brantley Lake nr Carlsbad	38.0	28.1	26.1	1008.2	4%	3%	3%	146%	108%
Lake Avalon	0.0	2.6	2.3	4.0	0%	65%	58%	0%	113%
Lake Avalon	0.0	2.6	2.3	4.0	0%	65%	58%	0%	113%
Lake Sumner	19.4	14.9	27.5	102.0	19%	15%	27%	70%	54%
Lake Sumner	19.4	14.9	27.5	102.0	19%	15%	27%	70%	54%
Santa Rosa Reservoir	16.6	18.3	51.2	432.2	4%	4%	12%	32%	36%
Santa Rosa Reservoir	16.6	18.3	51.2	432.2	4%	4%	12%	32%	36%
Basin Index					5%	4%	7%	69%	60%
# of reservoirs					8	8	8	8	8
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
Abiquiu Reservoir	101.3	78.3	159.6	1198.5	8%	7%	13%	63%	49%
Nambe Falls Reservoir	1.6	1.7	1.9	1.7	98%	102%	112%	88%	91%
Costilla Reservoir		3.9	6.0	16.0		24%	38%		65%
Heron Reservoir	38.8	40.3	226.3	400.0	10%	10%	57%	17%	18%
El Vado Reservoir	0.7	10.8	71.7	184.8	0%	6%	39%	1%	15%
Basin Index					8%	7%	26%	31%	29%
# of reservoirs					4	5	5	4	5
Upper Rio Grande	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Caballo Reservoir	52.2	15.7	35.3	332.0	16%	5%	11%	148%	45%
Cochiti Lake	43.0	41.0	50.2	491.0	9%	8%	10%	86%	82%
Elephant Butte Reservoir	261.6	195.5	553.3	2195.0	12%	9%	25%	47%	35%
McClure Reservoir		0.3	1.6	3.3		9%	48%		18%
Basin Index					12%	8%	21%	56%	39%
# of reservoirs					3	4	4	3	4
Rio Grande Headwaters	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Sanchez Reservoir	8.2	6.3	19.4	103.0	8%	6%	19%	42%	32%
Beaver Reservoir	3.7	3.4	4.1	4.5	82%	76%	91%	90%	84%
Mountain Home Reservoir	4.2	4.0	2.4	18.0	23%	22%	13%	176%	165%
La Jara Reservoir	1.1	1.1	1.8					59%	63%
Continental Reservoir	10.9	9.8	3.9	27.0	40%	36%	14%	280%	251%
Terrace Reservoir	6.7	4.5	5.2	18.0	37%	25%	29%	128%	87%
Santa Maria Reservoir	9.3	12.3	7.8	45.0	21%	27%	17%	119%	157%
Platoro Reservoir	14.1	14.2	17.2	60.0	24%	24%	29%	82%	83%
Rio Grande Reservoir	26.1	19.8	17.2	51.0	51%	39%	34%	152%	115%
Basin Index					25%	23%	24%	107%	96%
# of reservoirs					8	8	8	9	9

Reservoir Storage Summary For the End of January 2023

San Juan	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Lemon Reservoir	17.0	13.2	18.5	40.0	43%	33%	46%	92%	71%
Jackson Gulch Reservoir	5.6	4.0	4.0	10.0	56%	40%	40%	139%	101%
Vallecito Reservoir	71.8	38.6	74.0	126.0	57%	31%	59%	97%	52%
Navajo Reservoir	847.1	859.1	1311.0	1696.0	50%	51%	77%	65%	66%
Basin Index					50%	49%	75%	67%	65%
# of reservoirs					4	4	4	4	4

Canadian Streamflow Forecasts - February 1, 2023

Canadian	Forecast Period	Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						30yr Median (KAF)
		90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	
Vermejo R nr Dawson	MAR-JUN	0.88	2.1	3.2	60%	4.5	7	5.3
Ponil Ck nr Cimarron	MAR-JUN	0.3	1.53	3.6	67%	5.7	8.7	5.4
Cimarron R nr Cimarron ²	MAR-JUN	-1	3.3	6.9	75%	10.5	15.7	9.2
Eagle Nest Reservoir Inflow	MAR-JUN	-1	1.99	4.4	66%	6.8	10.4	6.7
Rayado Ck nr Cimarron	MAR-JUN	0.5	1.88	3.5	69%	5.1	7.5	5.1

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

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

Reservoir Storage End of January, 2023	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)
Conchas Lake	23.7	19.3	129.5	254.4
Eagle Nest Lake nr Eagle Nest, NM	32.0	35.8	44.8	79.0

Watershed Snowpack Analysis February 1, 2023	# of Sites	% Median	Last Year % Median
Canadian	9	77%	67%
Canadian Headwaters	8	76%	69%

Gila-San Francisco Streamflow Forecasts - February 1, 2023

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	FEB-MAY	34	56	75	188%	98	140	40
Gila R bl Blue Ck nr Virden	FEB-MAY	39	63	84	156%	109	155	54
Gila R at Gila	FEB-MAY	31	48	62	141%	79	108	44
San Francisco R at Glenwood	FEB-MAY	16.3	27	36	238%	47	67	15.1

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

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

Watershed Snowpack Analysis February 1, 2023	# of Sites	% Median	Last Year % Median
Gila-San Francisco	10	130%	61%
San Francisco	8	140%	71%
Upper Gila	3	104%	44%

Lower Rio Grande Streamflow Forecasts - February 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	1.6	2.6	3.4	103%	4.3	5.8	3.3
Rio Grande at San Marcial ²	MAR-JUL	-5.7	181	310	90%	435	620	345
Mimbres R at Mimbres	FEB-MAY	1.75	3.7	5.5	262%	7.7	11.5	2.1
Jemez R nr Jemez	MAR-JUL	17.8	25	31	107%	37	47	29
Jemez R bl Jemez Canyon Dam	MAR-JUL	11.6	18.2	23	105%	29	39	22

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

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

Reservoir Storage End of January, 2023	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)
Elephant Butte Reservoir	261.6	195.5	553.3	2195.0
McClure Reservoir		0.3	1.6	3.3
Bluewater Lake	1.0	2.0	3.9	38.5
Cochiti Lake	43.0	41.0	50.2	491.0
Caballo Reservoir	52.2	15.7	35.3	332.0

Watershed Snowpack Analysis February 1, 2023	# of Sites	% Median	Last Year % Median
Lower Rio Grande	12	108%	75%
Jemez	3	100%	71%
Mimbres	2	110%	47%

Pecos
Streamflow Forecasts - February 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	2.3	5.1	7.6	95%	10.5	15.8	8
Rio Ruidoso at Hollywood	MAR-JUN	1.52	3.3	5	147%	7	10.5	3.4
Pecos R nr Pecos	MAR-JUL	25	37	46	87%	57	74	53
Pecos R ab Santa Rosa Lk	MAR-JUL	11.1	25	37	90%	52	79	41
Pecos R nr Anton Chico	MAR-JUL	14	30	45	85%	63	93	53

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

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

Reservoir Storage End of January, 2023	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)
Brantley Lake nr Carlsbad	38.0	28.1	26.1	1008.2
Brantley Lake nr Carlsbad	38.0	28.1	26.1	1008.2
Lake Avalon	0.0	2.6	2.3	4.0
Lake Avalon	0.0	2.6	2.3	4.0
Lake Sumner	19.4	14.9	27.5	102.0
Lake Sumner	19.4	14.9	27.5	102.0
Santa Rosa Reservoir	16.6	18.3	51.2	432.2
Santa Rosa Reservoir	16.6	18.3	51.2	432.2

Watershed Snowpack Analysis February 1, 2023	# of Sites	% Median	Last Year % Median
Pecos	6	73%	57%
Pecos Headwaters	5	81%	66%
Rio Hondo	1	35%	16%

Rio Chama-Upper Rio Grande Streamflow Forecasts - February 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	0.5	0.91	1.26	112%	1.66	2.3	1.13
Red R bl Fish Hatchery nr Questa	MAR-JUL	13.4	18.2	22	71%	26	32	31
Rio Pueblo de Taos bl Los Cordovas	MAR-JUL	2.9	9.8	16.8	80%	26	42	21
El Vado Reservoir Inflow ²	MAR-JUL	104	155	195	105%	240	315	186
	APR-JUL	91	138	175	105%	215	285	166
Santa Cruz R at Cundiyo	MAR-JUL	8.5	11.5	13.8	83%	16.4	21	16.6
Rio Lucero nr Arroyo Seco	MAR-JUL	4.1	6.1	7.6	75%	9.3	12.2	10.1
Rio Grande at Otowi Bridge ²	MAR-JUL	270	410	520	92%	645	850	565
Costilla Ck nr Costilla ²	MAR-JUL	7.3	11.8	15.5	70%	19.6	27	22
Embudo Ck at Dixon	MAR-JUL	13.9	24	32	100%	41	58	32
Nambe Falls Reservoir Inflow ²	MAR-JUL	3	4.3	5.2	93%	6.3	8	5.6
Rio Hondo nr Valdez	MAR-JUL	5.4	8.5	10.9	72%	13.6	18.2	15.1
Rio Pueblo de Taos nr Taos	MAR-JUL	4.6	7.6	10.2	82%	13.1	18.1	12.5
Costilla Reservoir Inflow ²	MAR-JUL	3.8	5.8	7.3	71%	9	11.8	10.3

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 January, 2023	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)
Abiquiu Reservoir	101.3	78.3	159.6	1198.5
Nambe Falls Reservoir	1.6	1.7	1.9	1.7
Costilla Reservoir		3.9	6.0	16.0
Heron Reservoir	38.8	40.3	226.3	400.0
El Vado Reservoir	0.7	10.8	71.7	184.8

Watershed Snowpack Analysis February 1, 2023	# of Sites	% Median	Last Year % Median
Rio Chama-Upper Rio Grande	19	97%	84%
Rio Chama	4	124%	105%
Upper Rio Grande	15	85%	74%

Rio Grande Headwaters Streamflow Forecasts - February 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	4.5	7.2	9.4	91%	11.8	16	10.3
Rio Grande nr Del Norte ²								
	APR-SEP	300	395	470	98%	545	675	480
Conejos R nr Mogote ²								
	APR-SEP	129	163	189	113%	215	260	168
Culebra Ck at San Luis								
	APR-SEP	7.3	11.7	15.4	92%	19.5	26	16.7
Rio Grande nr Lobatos								
Platoro Reservoir Inflow ²								
	APR-JUL	37	47	54	106%	62	74	51
	APR-SEP	41	52	60	105%	69	82	57
SF Rio Grande at South Fork ²								
	APR-SEP	83	106	123	110%	142	171	112
Rio Grande at Thirty Mile Bridge ²								
	APR-JUL	77	100	116	105%	132	155	111
	APR-SEP	85	112	130	108%	148	175	120
La Jara Ck nr Capulin								
	MAR-JUL	4.5	6.5	8	104%	9.7	12.6	7.7
San Antonio R at Ortiz								
	APR-SEP	5.9	9.5	12.5	130%	15.9	22	9.6
Los Pinos R nr Ortiz								
	APR-SEP	43	58	69	113%	81	101	61
Ute Ck nr Fort Garland								
	APR-SEP	4.5	7.3	9.5	84%	12.1	16.4	11.3
Sangre de Cristo Ck ²								
	APR-SEP	3.1	6.7	10	92%	13.9	21	10.9
Rio Grande at Wagon Wheel Gap ²								
	APR-SEP	194	255	305	98%	355	440	310
Alamosa Ck ab Terrace Reservoir								
	APR-SEP	43	55	64	105%	74	90	61
Saguache Ck nr Saguache ²								
	APR-SEP	9.4	14.7	19	68%	24	32	28

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 January, 2023	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)
Sanchez Reservoir	8.2	6.3	19.4	103.0
Beaver Reservoir	3.7	3.4	4.1	4.5
Mountain Home Reservoir	4.2	4.0	2.4	18.0
La Jara Reservoir	1.1	1.1	1.8	
Continental Reservoir	10.9	9.8	3.9	27.0
Terrace Reservoir	6.7	4.5	5.2	18.0
Santa Maria Reservoir	9.3	12.3	7.8	45.0
Platoro Reservoir	14.1	14.2	17.2	60.0
Rio Grande Reservoir	26.1	19.8	17.2	51.0

Watershed Snowpack Analysis February 1, 2023	# of Sites	% Median	Last Year % Median
Rio Grande Headwaters	23	112%	88%
Alamosa	3	110%	121%
Conejos	5	122%	121%
Culebra-Trinchera	4	81%	58%
Headwaters Rio Grande	7	140%	93%

San Juan Streamflow Forecasts - February 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	36	48	56	124%	65	80	45
Mancos R nr Mancos ²	APR-JUL	9.7	15.9	21	132%	27	37	15.9
Vallecito Reservoir Inflow ²	APR-JUL	133	170	198	117%	230	275	169
Animas R at Durango	APR-JUL	300	380	440	117%	505	610	375
Rio Blanco at Blanco Diversion ²	APR-JUL	31	42	50	104%	59	73	48
Captain Tom Wash nr Two Gray Hills	MAR-MAY	0.49	1.33	2.2	355%	3.5	6.1	0.62
Navajo R bl Oso Diversion ²	APR-JUL	38	51	61	109%	72	90	56
Piedra R nr Arboles	APR-JUL	117	161	195	111%	230	290	175
La Plata R at Hesperus	APR-JUL	13.7	19	23	122%	27	35	18.8
Navajo Reservoir Inflow ²	APR-JUL	365	525	650	103%	790	1020	630
San Juan R nr Carracas ²	APR-JUL	210	285	345	103%	410	515	335

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 January, 2023	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)
Lemon Reservoir	17.0	13.2	18.5	40.0
Jackson Gulch Reservoir	5.6	4.0	4.0	10.0
Vallecito Reservoir	71.8	38.6	74.0	126.0
Navajo Reservoir	847.1	859.1	1311.0	1696.0

Watershed Snowpack Analysis February 1, 2023	# of Sites	% Median	Last Year % Median
San Juan	20	140%	97%
San Juan Headwaters	14	138%	97%

Zuni Streamflow Forecasts - February 1, 2023

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	FEB-MAY	0	0.19	0.5	500%	0.96	1.91	0.1
Rio Nutria nr Ramah	FEB-MAY	0.53	1.19	1.8	281%	2.5	3.8	0.64

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 February 1, 2023	# of Sites	% Median	Last Year % Median
Zuni	3	252%	153%
Zuni-Bluewater	5	201%	131%

NEW MEXICO WATER SUPPLY OUTLOOK REPORT

Natural Resources Conservation Service

Albuquerque, New Mexico

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