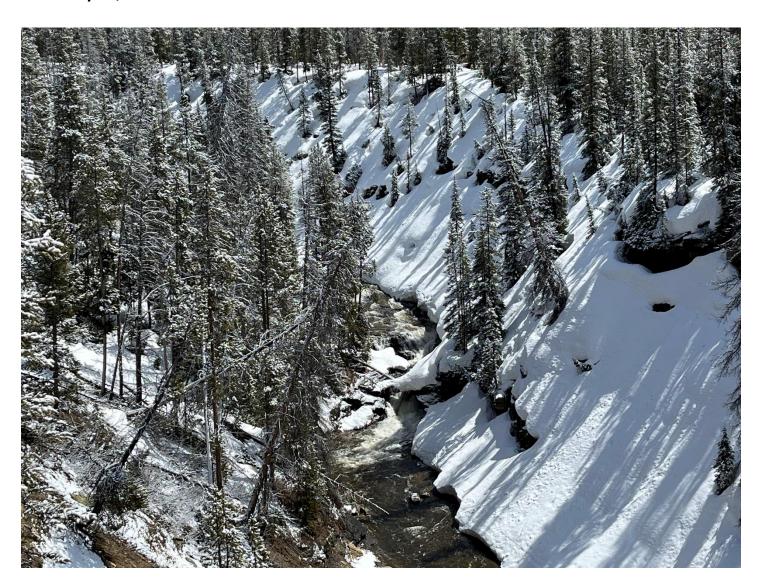


Utah Water Supply Outlook Report

May 1, 2024



Upper Provo River and Slate Gorge, near Trial Lake, Utah

Photo by Jordan Clayton

STATE OF UTAH GENERAL OUTLOOK May 1, 2024

SUMMARY

This **snowpack** season has been like the mellow younger sibling of last year's. Both winters provided well above-normal snowpack totals for the state. In fact, Utah hasn't experience two consecutive winters this far above normal since 2005-2006! Both last year and this year our snowpack peaked in early April after 3 consecutive months of above-normal accumulation. While we lacked the record-breaking snow totals from last winter, this winter was also similar in that ALL of Utah's major basins peaked at above-normal snowpack levels, so the outstanding conditions were felt statewide. And then April happened, wherein the state dried out both years, resulting in below-normal accumulation, snowmelt, and a reduced optimism in our runoff forecasts. Is this the new norm? Time will tell...

This year's peak was on April 2nd, at 18.8" snow water equivalent (SWE), or 131% of normal. As of May 1st, Utah's snowpack had dropped to roughly half that total, at 9.3" SWE, or 112% of normal¹. This year's peak snowpack ranked 18th since 1981 when the SNOTEL network in Utah expanded beyond a handful of sites. (*For reference, last year ranked highest at 30.0" SWE, followed by 1983, 1982, and 1984, respectively. The winter of 2015 ranked lowest at 10.22", with 2018 also quite close to the bottom at 10.25" SWE).*

April **precipitation** in Utah was well below-normal at 60%, which brings the water-year-to-date precipitation to 109% of normal. As of May 1st, all of Utah's major watersheds were 90% of normal precipitation or above for the 2024 water year, with the northern Utah basins faring the best.

Utah's SNOTEL sites have **soil moisture** sensors at 2", 8", and 20" depths. Each sensor location also has an estimated saturation point, based on soil characteristics and past sensor behavior. As snowmelt progresses and water makes its way into the ground, we can combine the data from these three sensors at each SNOTEL site and then amalgamate all of Utah's sites' data together to produce a singular, statewide value for soil moisture percent of saturation that can be compared with previous years. When we look at May 1st conditions through that lens, our statewide soil moisture is at 83% of saturation, which is quite close to a record maximum. As noted elsewhere, high soil moisture levels promote efficient runoff, leading to a larger proportion of snow water reaching downstream reservoirs.

Speaking of reservoirs, Utah's **reservoir storage** is currently at 87% of capacity, up 30% from this time last year. Eighty-seven percent! That is the fullest our reservoir system has been since June of 2020. As noted last month, with a couple exceptions we anticipate that most of Utah's reservoirs will fill soon, if they haven't already. That said, who knows what the future will bring. The last time Utah's storage system was this full, we had three consecutive years of poor snowpack conditions and dry soils, leading to the rather depleted storage levels we had entering the 2023 water year. We encourage Utahns to continue to conserve water to help keep as much water in our reservoirs as possible moving forward, to provide a buffer against possible below-normal water supply conditions next year and beyond.

As was the case last year, NRCS **streamflow forecasts** for snowmelt runoff volume have come down a bit from the April 1 to May 1 predictions due to the below normal precipitation received in Utah during April. Please also note the following statement from Karl Wetlaufer, a Hydrologist with the NRCS National Water and Climate Center and forecaster for the Upper Colorado River Basin, "many streamflow points observed well above normal April flow so some of the volumes may be coming down river channels earlier than commonly observed." As such, we encourage readers to consider both the updated April through July forecasts as well as the May to July versions included in this report. A final complication is that these forecasts are issued based on snowpack and accumulated

¹ These statewide values from our on-ground SNOTEL network are similar to <u>Airborne Snow Observatory</u> (ASO) results comparing April 14th and April 30th flights over the Uinta headwaters where the mean SWE dropped from 8.6" to 4.2", with the largest decreases between around 7500 to 9500 ft elevation.

precipitation as of May 1st and do not take into account the significant storm activity Utah has experienced in early May.

Utah's snowmelt runoff forecasts for April through July flow volume range from 160 to 35% of average. There is a strong geographic pattern wherein Utah's northern and northwestern forecast points (Bear, Weber, and Provo basins in particular) are for above to well-above average flow, compared with close to average forecasts for the Duchesne and San Pitch basins, below average forecasts for the Eastern Uintas and south-central Utah, and below to well-below average forecasts for the Sevier basin and the southwestern and southeastern corners of the state. Many May through July forecasts rank lower than their April through July counterparts because of the above-normal streamflows already observed at many of Utah's forecasts points, as described above.

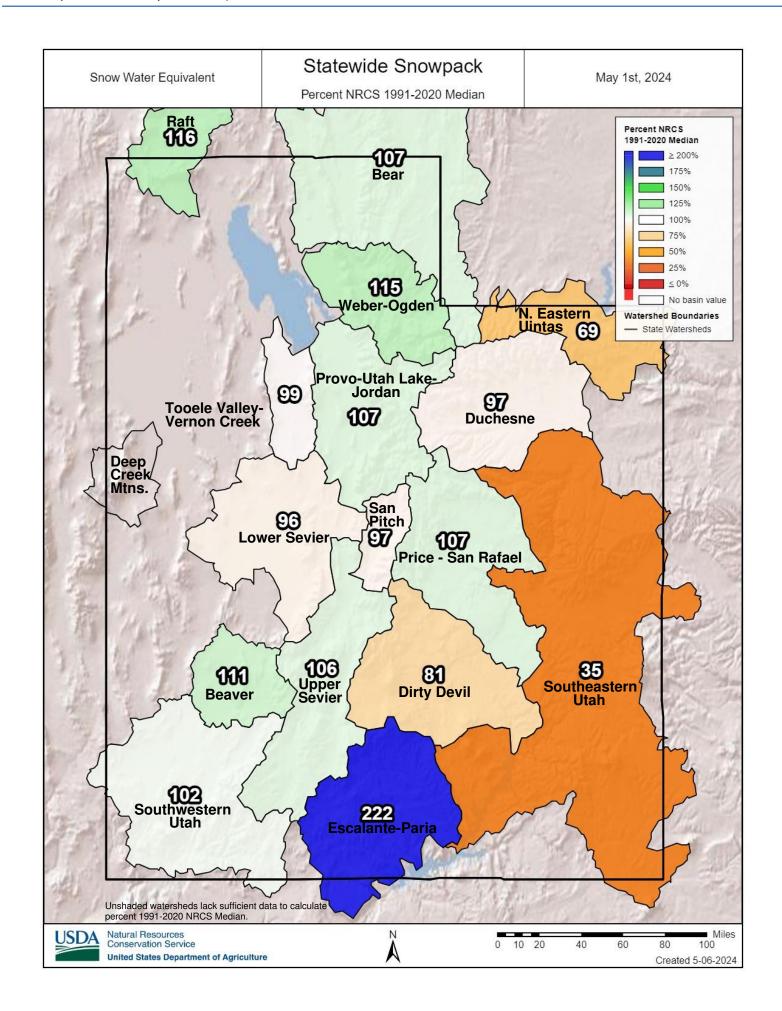
Finally, we encourage folks to check out the NOAA Colorado Basin River Forecast Center's "Peak Flow Forecast" map which combines current conditions with projected streamflow levels, expressed in percentiles. Their map should prove useful to those wishing to predict peak flow magnitude and timing as well as flood risk. By contract, NRCS water supply forecasts do not inform about flood potential but instead provide an estimate of the overall volume of water that will pass by a given streamgage during the April through July period (or whatever duration is listed).

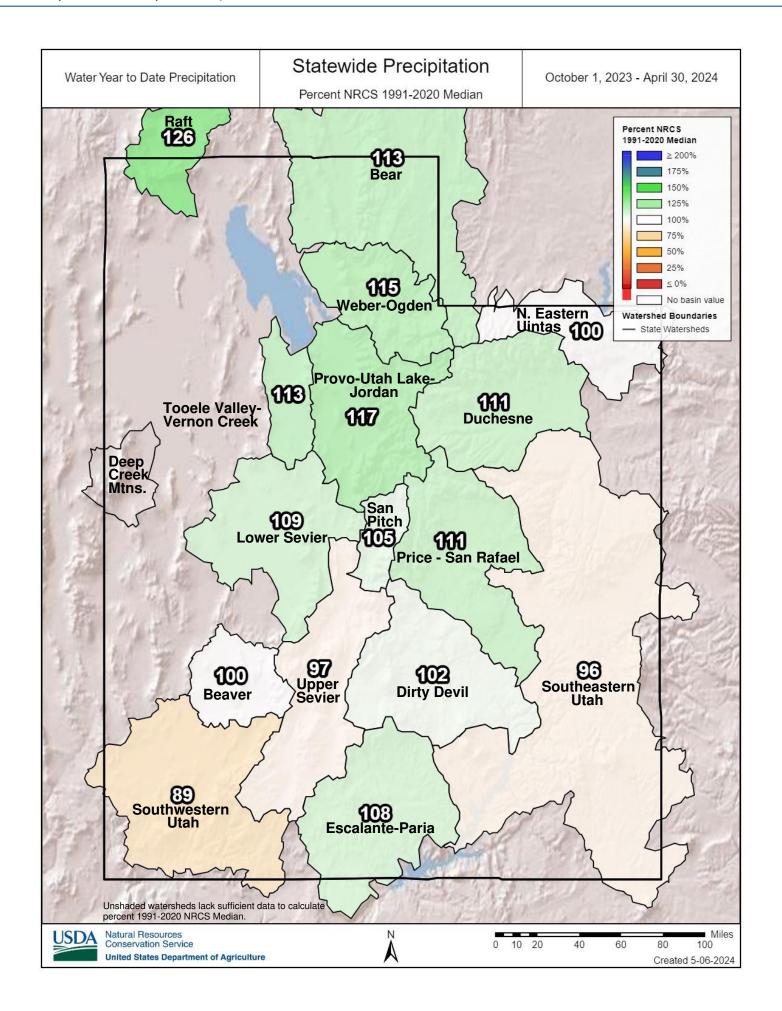
Surface Water Supply Indices (SWSI) for Utah basins combine our current reservoir levels with the additional volume of water anticipated for each watershed based on these May 1 streamflow forecasts. Fifteen of Utah's basins have SWSI values above the 50th percentile, suggesting that those basins will have above-normal surface water supplies this summer. The Virgin and Blacks Fork watersheds also have SWSI values that are close to normal. The only basin projected to have well below-normal water supply conditions is the Lower Sevier, at the 29th percentile. Please refer to the SWSI table provided in this report for further details.

Snow water equivalent and precipitation in the **Great Salt Lake** (GSL) basin are 108% and 115% of normal, respectively. Soil moisture is above normal at 84% of saturation, and the basin's reservoir storage is at 88% of capacity. As noted in last month's report, the small amount of available reservoir capacity in GSL basin reservoirs is likely to lead to significant GSL inflow. Our GSL inflow forecast for May through July ranges from 245 thousand acre-feet (kaf) to 855 kaf, with the most probable value closer to 550 kaf (110% of average, 180% of median). Similarly, our predictions for lake level rise from May until peak lake stage ranges from 0.0 to 0.87 feet, with a 50th exceedance probability (most probable) rise of around 0.4 ft. On May 1st the south arm of the GSL was at 4194.9 ft elevation, so our expectation is that the lake will peak at a little over 4195 ft stage this year, plus or minus roughly a half of a foot. The GSL started the 2024 water year at 4192.1, so it has already risen almost three feet since October, which is welcome news! Please see our April 1 Water Supply Outlook Report regarding the significant uncertainty in both our GSL inflow and lake level rise forecasts. We remind our readers that our inclusion of GSL inflow forecasts and predicted lake level rise is meant to provide rough guidance for Utah's water managers in light of the high level of interest in the lake's condition and numerous actions to restore lake levels.

Finally, we are excited to announce that we are now hosting on our homepage a new link called: "How is your favorite Utah basin doing?". These are basin pages for all of Utah's major watersheds which are meant to serve as landing pages for anyone interested in a certain area, so that they can find out ALL of their basin's conditions instead of navigating back-and-forth from our homepage for the different graphs and maps. As new products are developed by the Snow Program and made available, we will update these basin pages as well so that these can continue to be used as a one-stop-shop for snowpack, precipitation, soil moisture, runoff, and other information for a given watershed. Here is a direct link to the new basin pages. We hope they are useful!

This is the last Water Supply Outlook Report of this water year. However, Utah's water availability conditions will continue to be published year-round in our monthly Climate and Water Reports.





May 1, 2024 | Surface Water Supply Index (SWSI)

| Basin or Region | Reservoir Storage ¹ | May-July Forecast | Forecast + Storage | SWSI ³ | Percentile⁴ | Similar Years |
|---------------------|-----------------------------------|----------------------|-----------------------|-------------------|-------------|---------------|
| | $(KAF)^{2}$ | (KAF) ² | (KAF)² | | (%) | |
| Bear | 983.9 | 99.0 | 1082.9 | 2.5 | 80 | [2000, 2018] |
| Woodruff Narrows | 52.0 | 86.0 | 138.0 | 0.42 | 55 | [2006, 2020] |
| Little Bear | 12.6 | 28.0 | 40.6 | 0.38 | 55 | [2008, 2010] |
| Ogden | 107.5 | 84.0 | 191.5 | 1.94 | 73 | [1982, 2017] |
| Weber | 390.9 | 230.0 | 620.9 | 1.2 | 64 | [2006, 2017] |
| Provo | 1293.1 | 169.5 | 1462.6 | 2.28 | 77 | [1999, 2009] |
| Western Uintas | 199.5 | 49.0 | 248.5 | 1.57 | 69 | [2017, 2019] |
| Eastern Uintas | 54.8 | 74.9 | 129.7 | -0.65 | 42 | [2006, 2015] |
| Blacks Fork | 26.7 | 75.0 | 101.7 | -0.2 | 48 | [2008, 2015] |
| Smiths Fork | 10.5 | 22.0 | 32.5 | 0.99 | 62 | [1985, 2014] |
| Price | 51.4 | 36.0 | 87.4 | 2.69 | 82 | [1995, 2019] |
| Joes Valley | 48.8 | 46.0 | 94.8 | 1.2 | 64 | [2008, 2017] |
| Ferron Creek | 11.5 | 30.0 | 41.5 | 0.09 | 51 | [1991, 2008] |
| Moab | 2.2 | 2.2 | 4.4 | 0.0 | 50 | [2006, 2008] |
| Upper Sevier | 115.6 | 18.5 | 134.1 | 1.02 | 62 | [1986, 2001] |
| San Pitch | 14.2 | 13.7 | 27.9 | 0.83 | 60 | [2010, 2019] |
| Lower Sevier | 117.3 | 27.0 | 144.3 | -1.76 | 29 | [2009, 2010] |
| Beaver River | 23.2 | 18.8 | 42.0 | 1.02 | 62 | [1981, 1987] |
| Virgin River | 40.9 | 26.0 | 66.9 | -0.13 | 48 | [2008, 2020] |

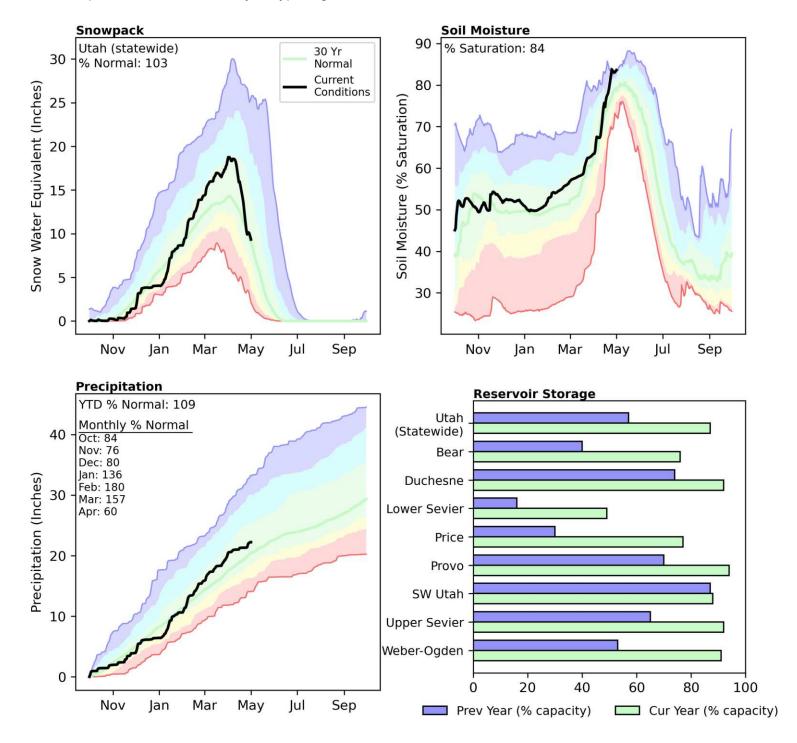
¹ End of Month Reservoir Storage; ² KAF, Thousand Acre-Feet; ³ SWSI, Surface Water Supply Index; ⁴ Threshold for coloring: >75% Green, <25% Red

What is a Surface Water Supply Index?

The Surface Water Supply Index (SWSI) is a predictive indicator of total surface water availability within a watershed for the spring and summer water use seasons. The index is calculated by combining pre-runoff reservoir storage (carryover) with forecasts of spring and summer streamflow which are based on current snowpack and other hydrologic variables. SWSI values are scaled from +4.1 (abundant supply) to -4.1 (extremely dry) with a value of zero (0) indicating median water supply as compared to historical analysis. SWSI's are calculated in this fashion to be consistent with other hydroclimatic indicators such as the Palmer Drought Index and the Precipitation index. See Appendix A for details on forecast points and reservoirs used in SWSI calculations.

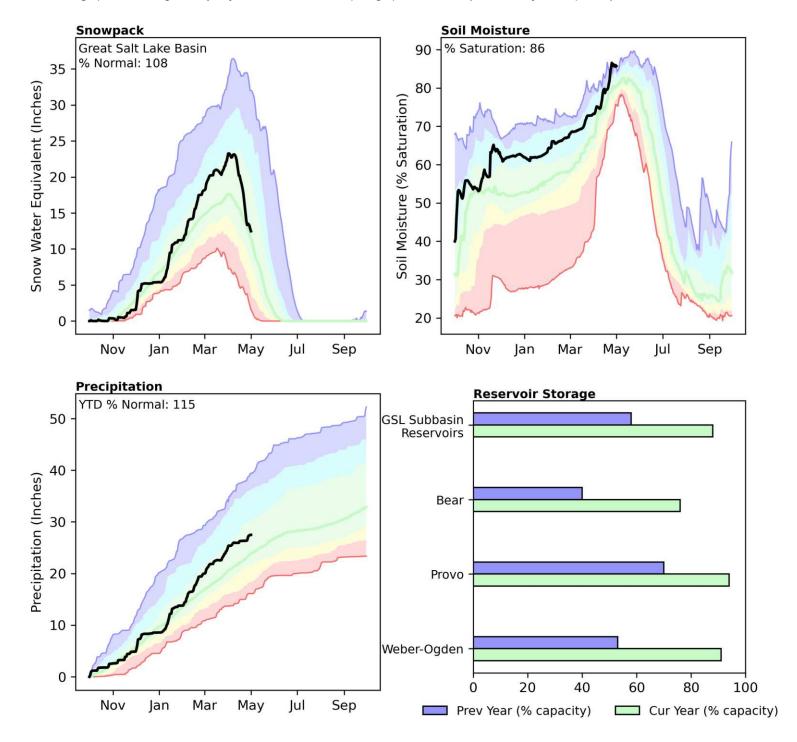
The Utah Snow Survey has also chosen to display the SWSI value as well as a PERCENT CHANCE OF NON-EXCEEDANCE. While this is a cumbersome name, it has a simple application. It can be best thought of as a scale of 1 to 99 with 1 being the drought of record (driest possible conditions) and 99 being the flood of record (wettest possible conditions) and a value of 50 representing average conditions. This rating scale is a percentile rating as well, for example a SWSI of 75% means that this years water supply is greater than 75% of all historical events and that only 25% of the time has it been exceeded. Conversely a SWSI of 10% means that 90% of historical events have been greater than this one and that only 10% have had less total water supply. This scale is comparable between basins: a SWSI of 50% means the same relative ranking on watershed A as it does on watershed B, which may not be strictly true of the +4 to -4 scale.

Snowpack in Utah (statewide) is about normal at 103% of median, compared to 253% at this time last year. Precipitation in April was well below normal at 60%, which brings the seasonal accumulation (October-April) to 109% of median. Soil moisture is at 84% saturation compared to 81% saturation last year. Statewide, reservoir storage is 87% of capacity, compared to 57% last year¹. Forecast streamflow volumes (50% exceedence, May-July) range from 69% to 216% of normal.

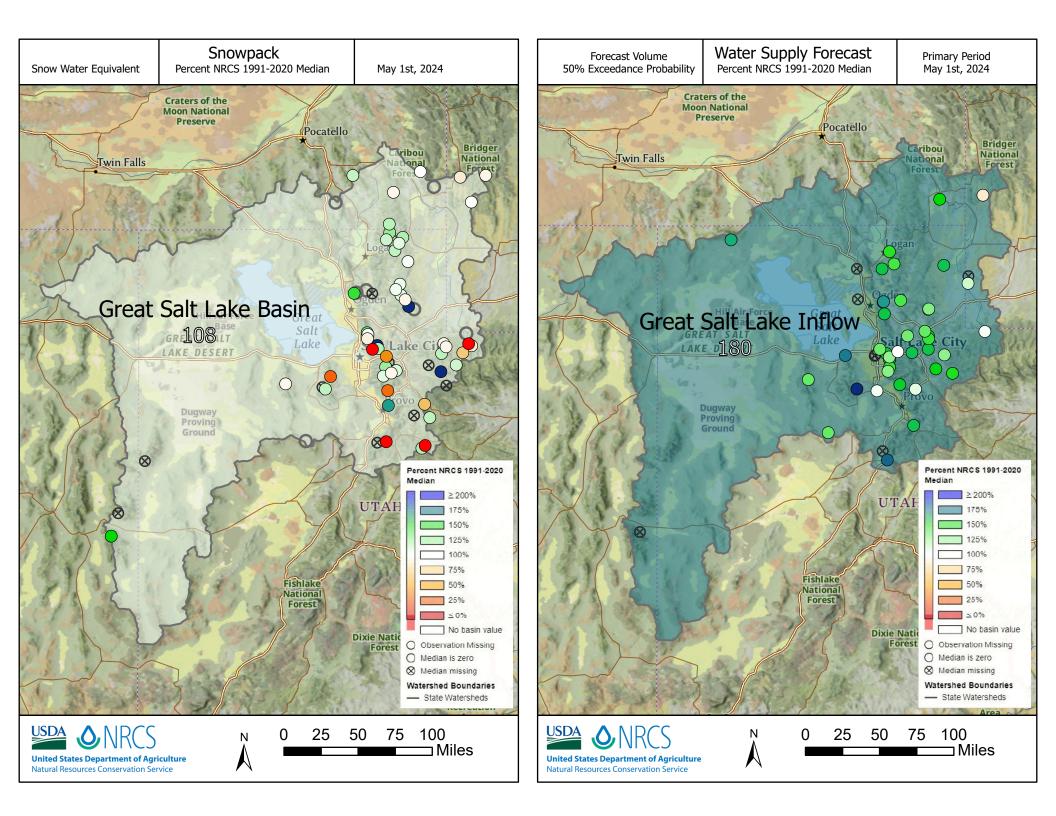


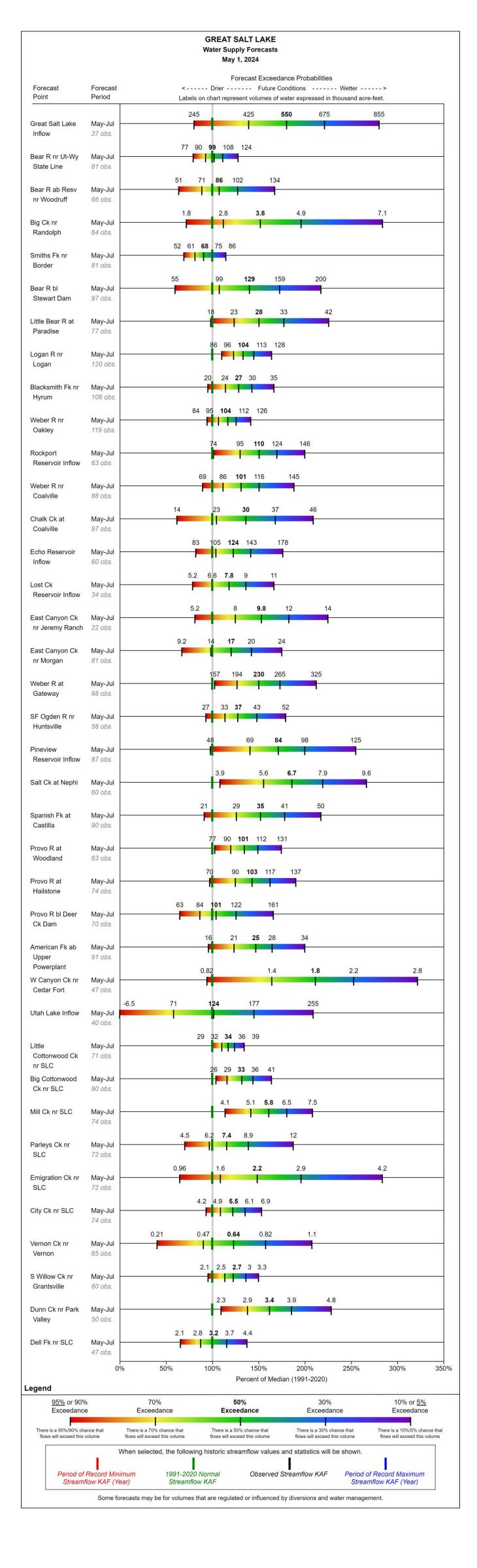
¹Statewide reservoir percentages exclude Lake Powell and Flaming Gorge Reservoirs.

Snowpack in the Great Salt Lake (GSL) Basin¹ is about normal at 108% of median, compared to 260% at this time last year. Precipitation in April was well below normal at 64%, which brings the seasonal accumulation (October-April) to 115% of median. Soil moisture is at 86% saturation compared to 77% saturation last year. Reservoir storage in GSL subbasins is 88% of capacity, compared to 58% last year. The forecast inflow volume (50% exceedence, May-July) for the GSL is 550 thousand acre-feet (110% of average), resulting in a projected lake level (stage) increase (from May 1 to peak) of 0.4 feet.

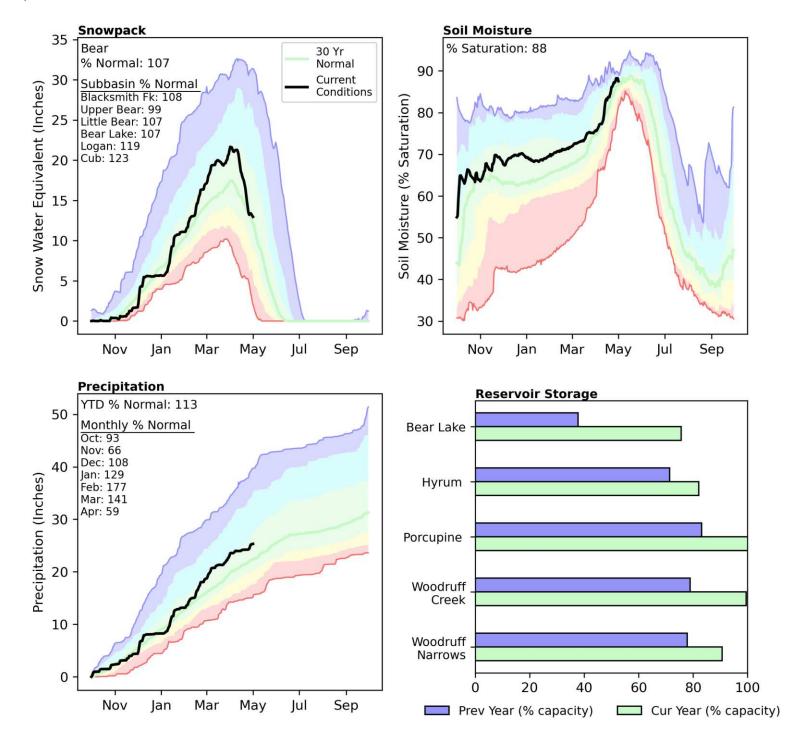


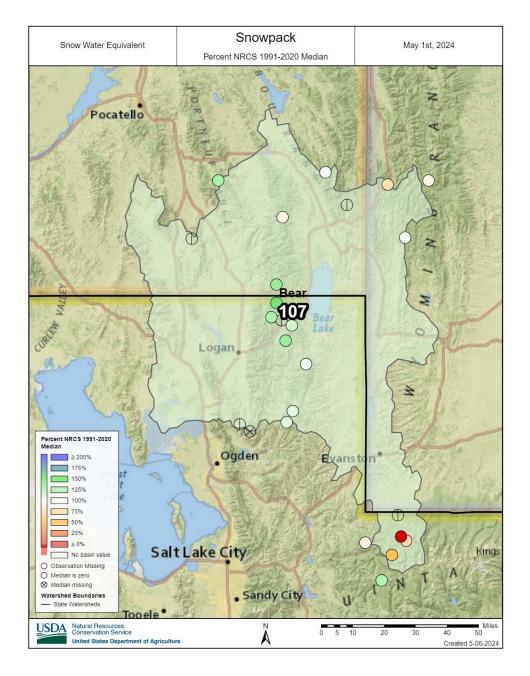
¹Comprised of the Weber, Provo, and Bear River Watersheds. Other subbains for the Great Salt Lake do not substantively contribute to its seasonal rise.

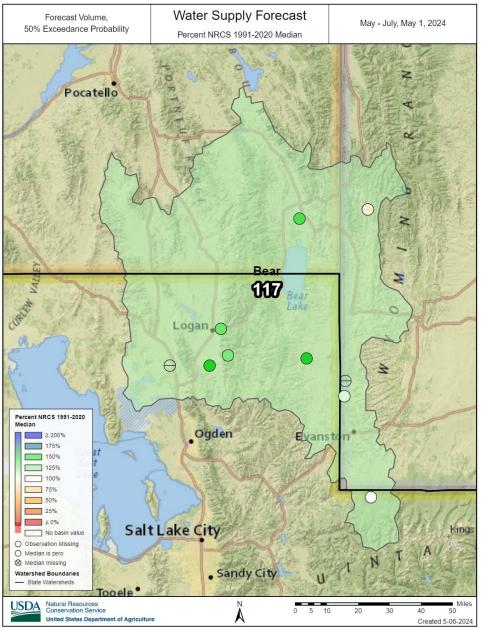


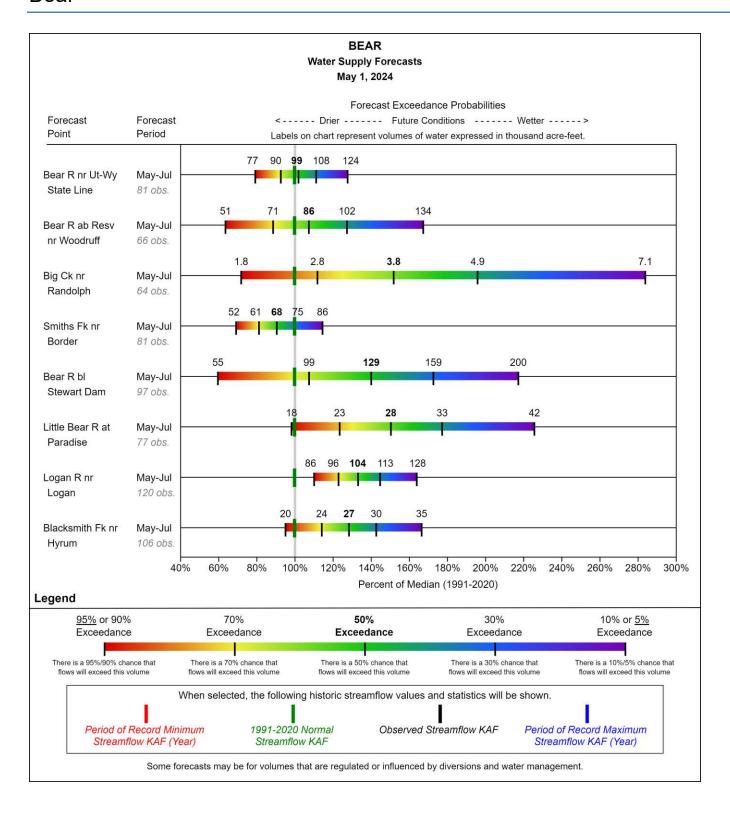


Snowpack in the Bear River Basin is about normal at 107% of median, compared to 216% at this time last year. Precipitation in April was well below normal at 59%, which brings the seasonal accumulation (October-April) to 113% of median. Soil moisture is at 88% saturation compared to 81% saturation last year. Reservoir storage is 76% of capacity, compared to 40% last year. Forecast streamflow volumes (50% exceedence, May-July) range from 91% to 152% of normal. The Surface Water Supply Index percentiles are 80% for the Bear, 55% for the Little Bear, and 55% for Woodruff Narrows.

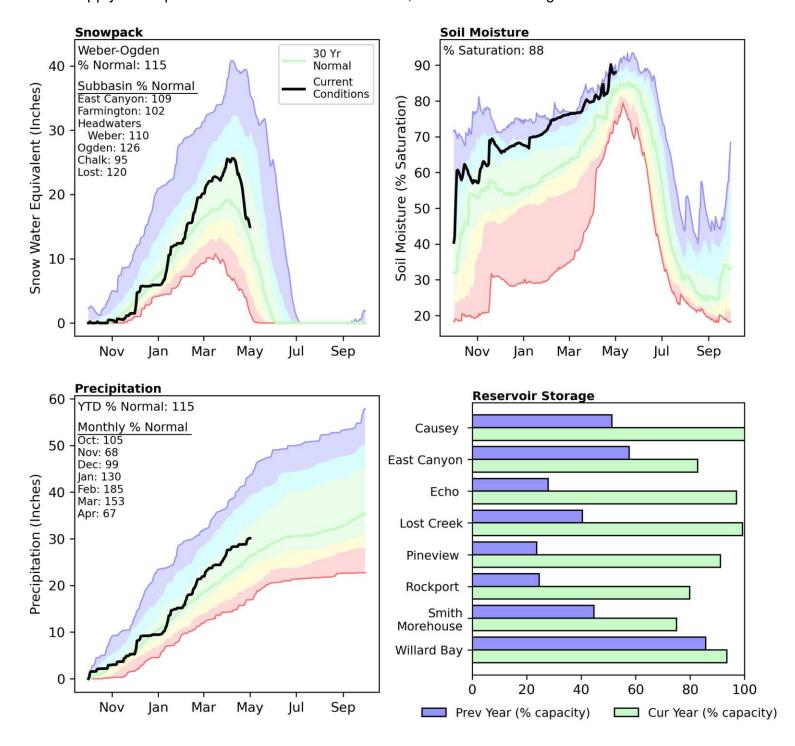


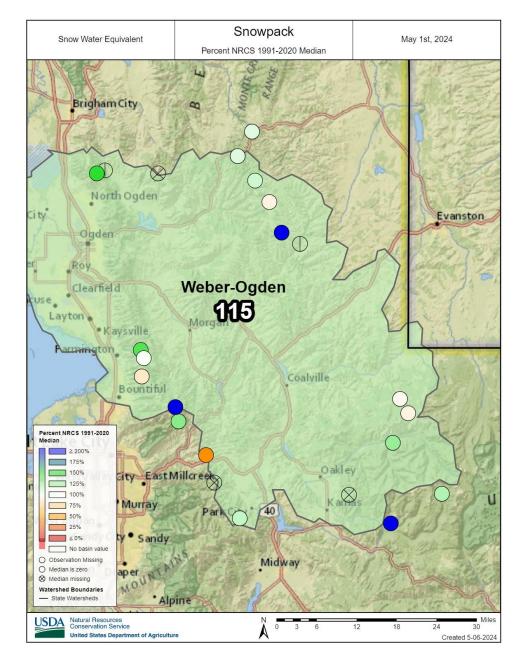


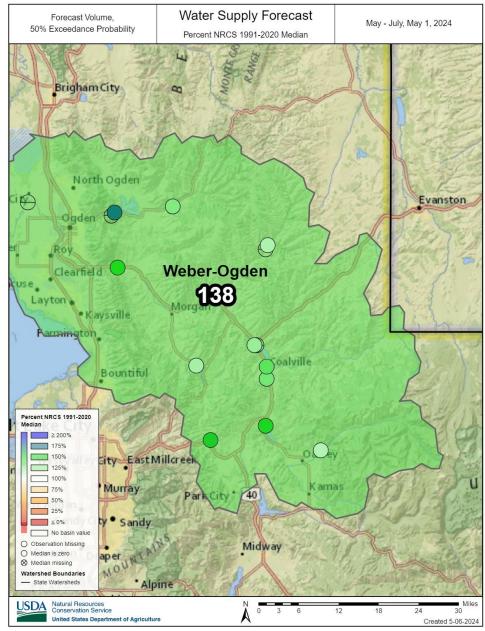


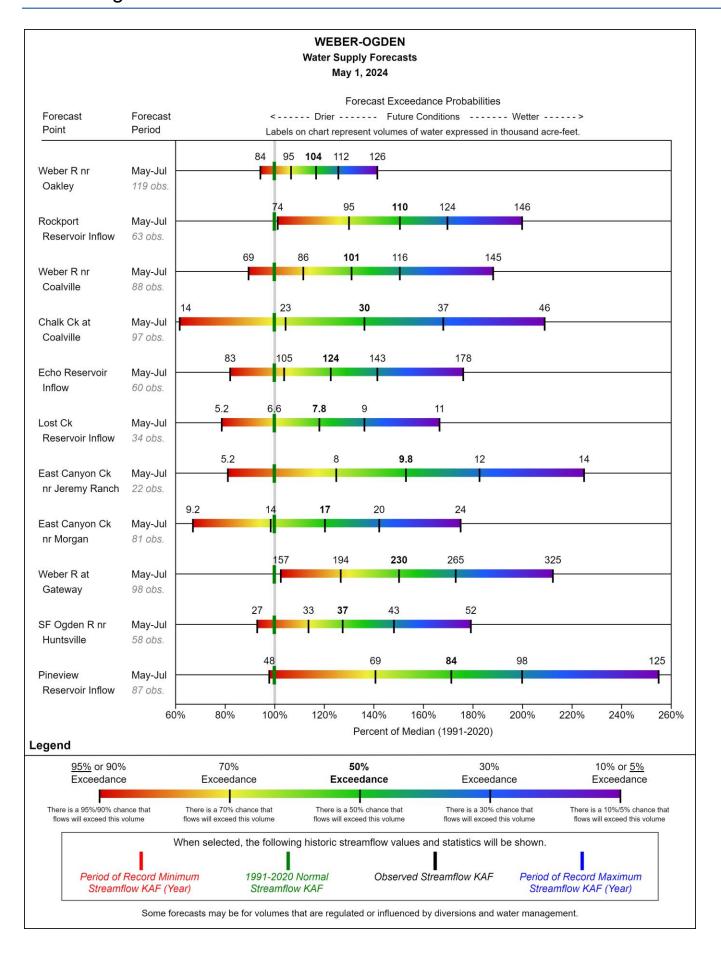


Snowpack in the Weber and Ogden River Basins is above normal at 115% of median, compared to 275% at this time last year. Precipitation in April was well below normal at 67%, which brings the seasonal accumulation (October-April) to 115% of median. Soil moisture is at 88% saturation compared to 82% saturation last year. Reservoir storage is 91% of capacity, compared to 53% last year. Forecast streamflow volumes (50% exceedence, May-July) range from 117% to 171% of normal. The Surface Water Supply Index percentiles are 64% for the Weber, and 73% for the Ogden.

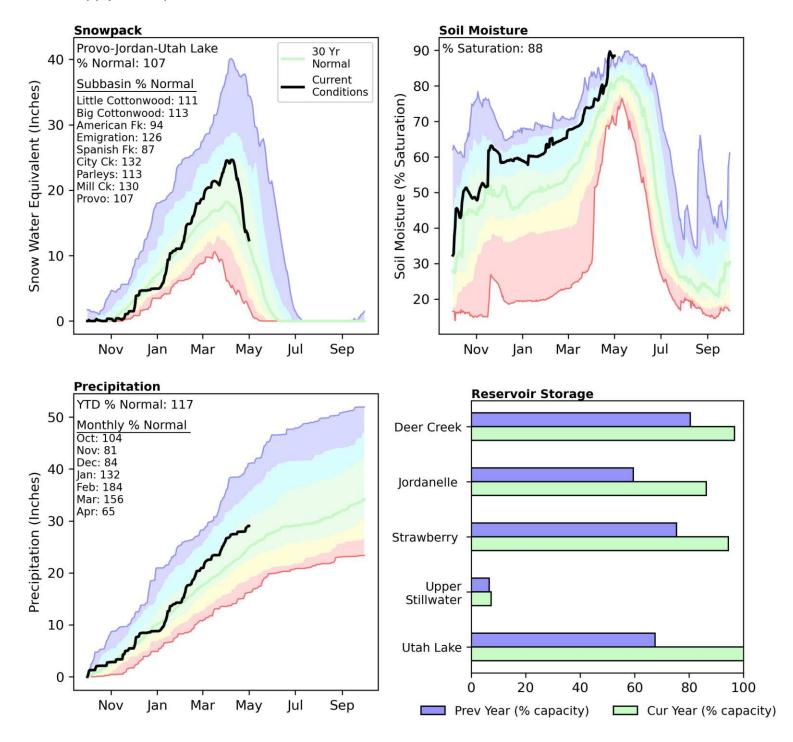


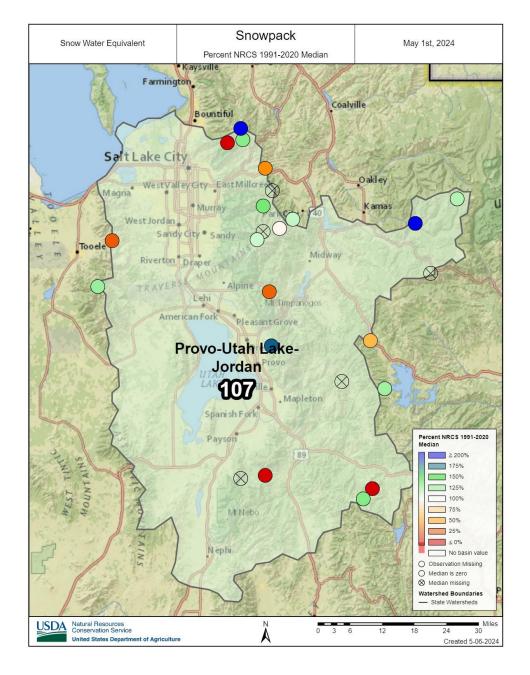


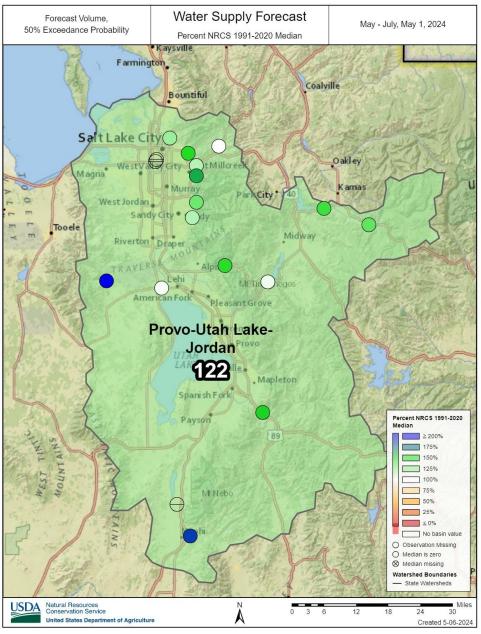


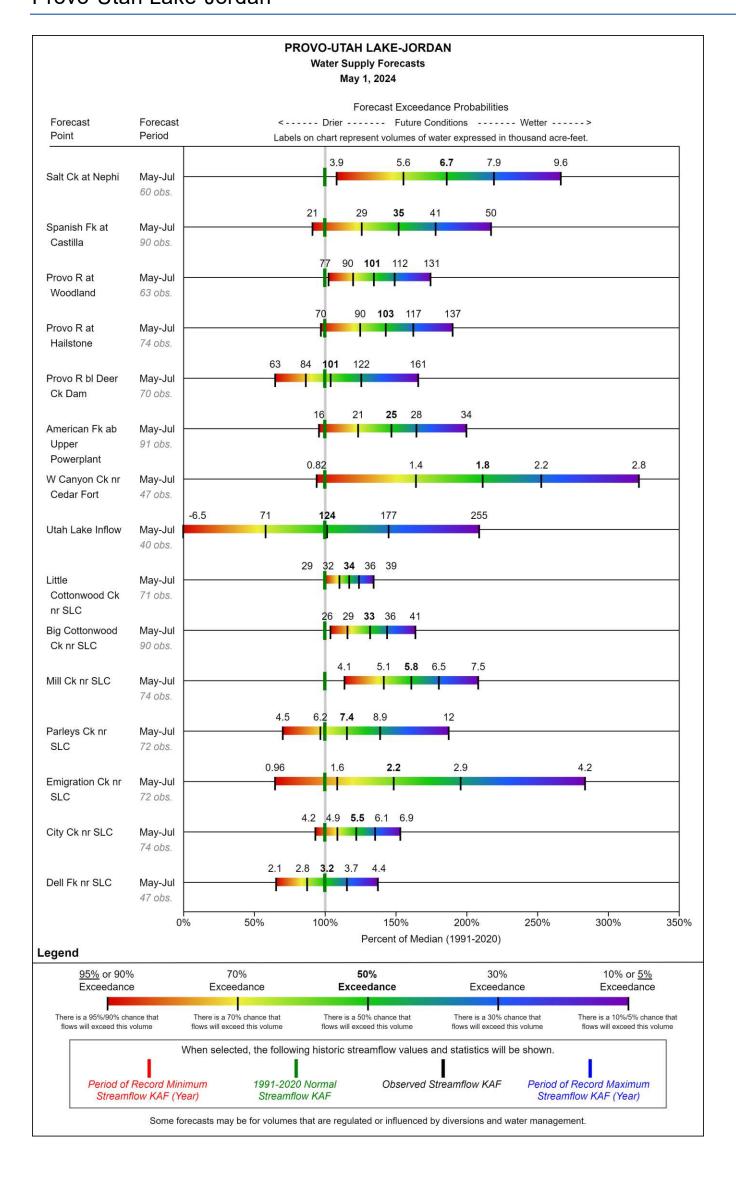


Snowpack in the Provo and Jordan River Basins is about normal at 107% of median, compared to 285% at this time last year. Precipitation in April was well below normal at 65%, which brings the seasonal accumulation (October-April) to 117% of median. Soil moisture is at 88% saturation compared to 76% saturation last year. Reservoir storage is 94% of capacity, compared to 70% last year. Forecast streamflow volumes (50% exceedence, May-July) range from 100% to 211% of normal. The Surface Water Supply Index percentile is 77% for the Provo.

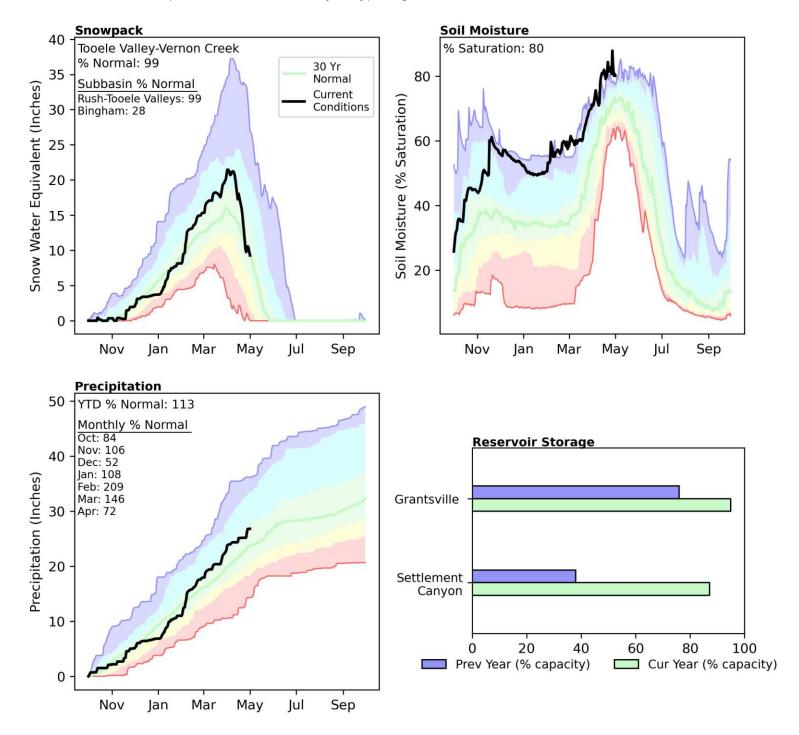


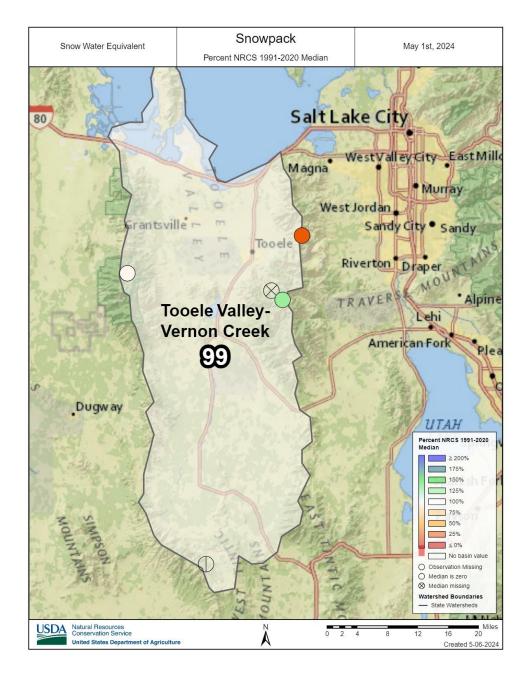


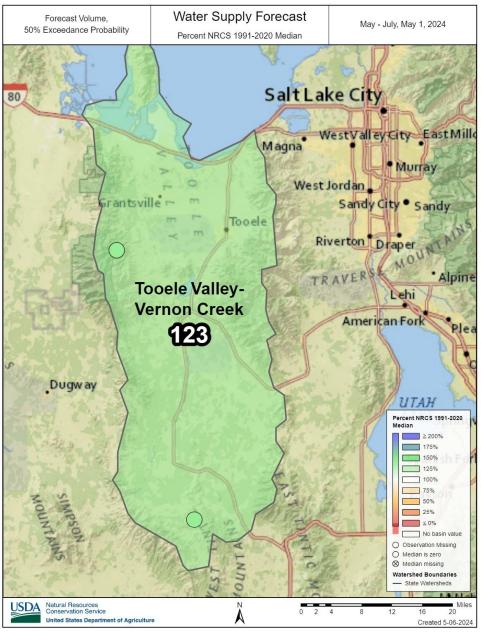




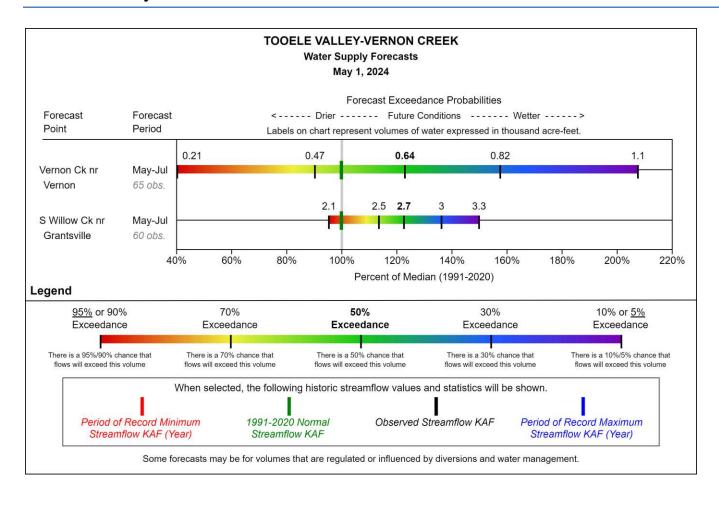
Snowpack in the Tooele Valley and West Desert Region is about normal at 99% of median, compared to 285% at this time last year. Precipitation in April was below normal at 72%, which brings the seasonal accumulation (October-April) to 113% of median. Soil moisture is at 80% saturation compared to 70% saturation last year. Reservoir storage is 93% of capacity, compared to 67% last year. Forecast streamflow volumes (50% exceedence, May-July) range from 123% to 162% of normal.



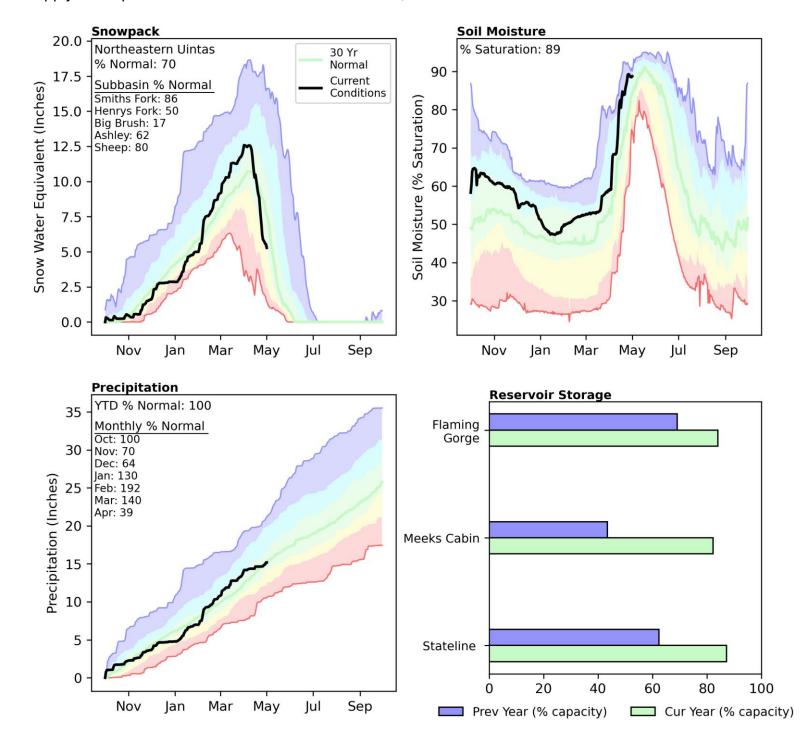


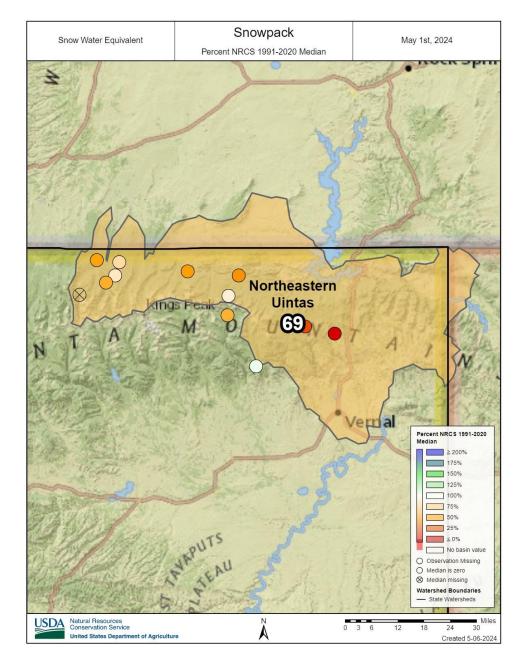


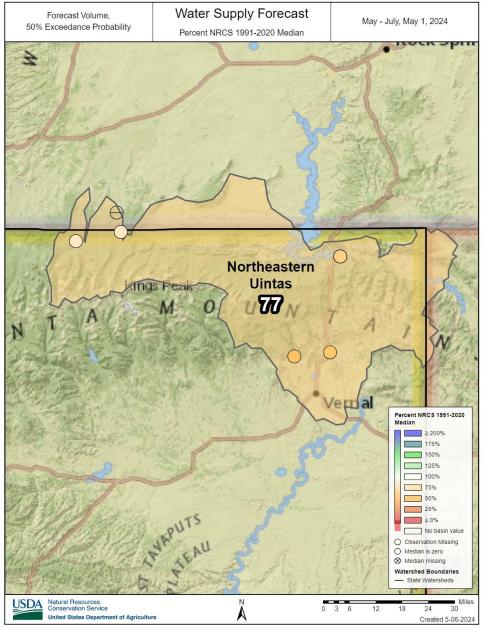
Tooele Valley-Vernon Creek



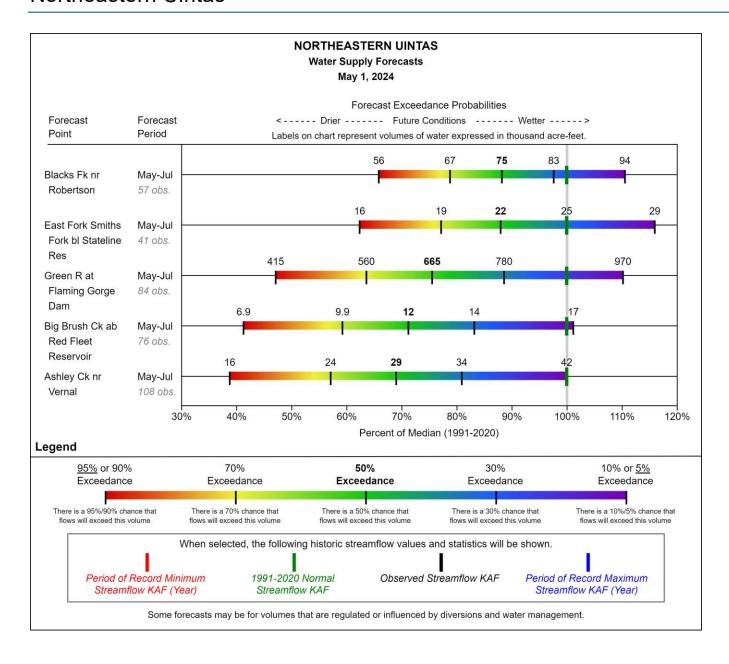
Snowpack in the Northeastern Uintas is well below normal at 70% of median, compared to 201% at this time last year. Precipitation in April was well below normal at 39%, which brings the seasonal accumulation (October-April) to 100% of median. Soil moisture is at 89% saturation compared to 89% saturation last year. Reservoir storage is 84% of capacity, compared to 68% last year. Forecast streamflow volumes (50% exceedence, May-July) range from 69% to 88% of normal. The Surface Water Supply Index percentiles are 48% for the Blacks Fork, and 62% for the Smiths Fork.



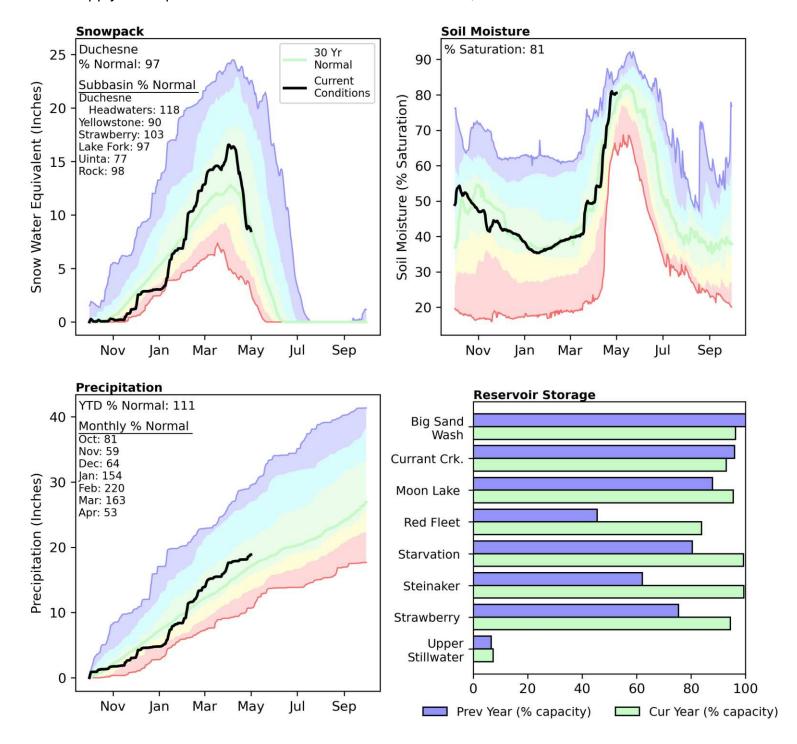


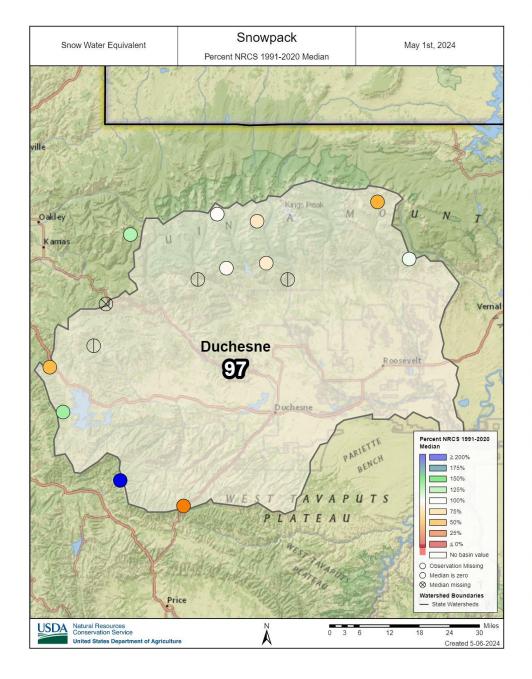


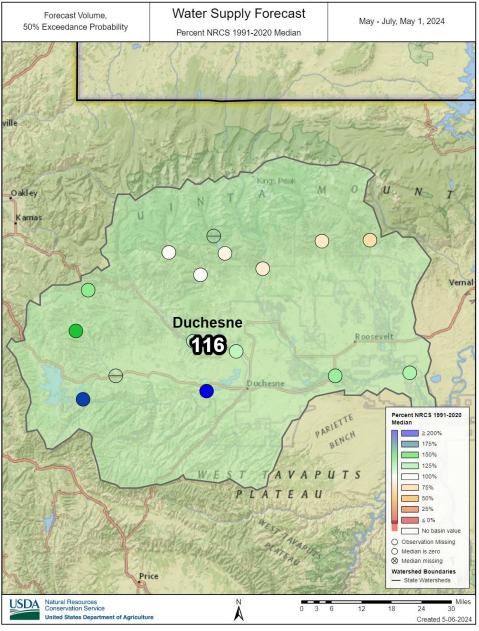
Northeastern Uintas

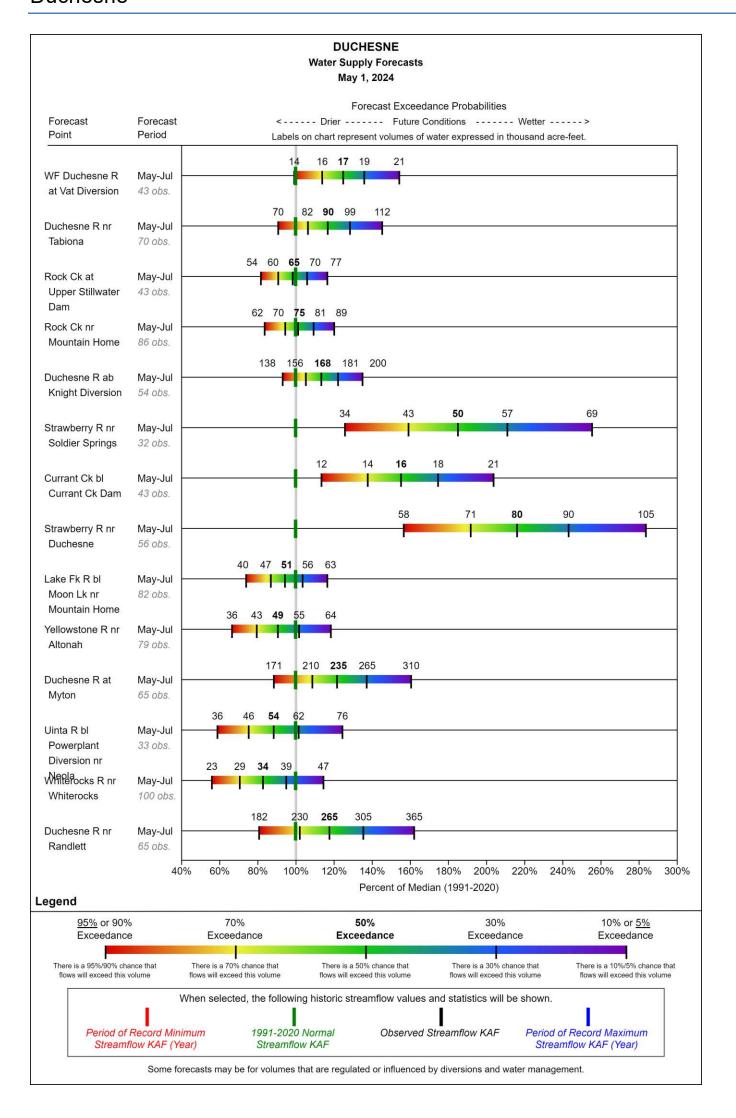


Snowpack in the Duchesne River Basin is about normal at 97% of median, compared to 222% at this time last year. Precipitation in April was well below normal at 53%, which brings the seasonal accumulation (October-April) to 111% of median. Soil moisture is at 81% saturation compared to 79% saturation last year. Reservoir storage is 92% of capacity, compared to 74% last year. Forecast streamflow volumes (50% exceedence, May-July) range from 83% to 216% of normal. The Surface Water Supply Index percentiles are 69% for the Western Uintas, and 42% for the Eastern Uintas.

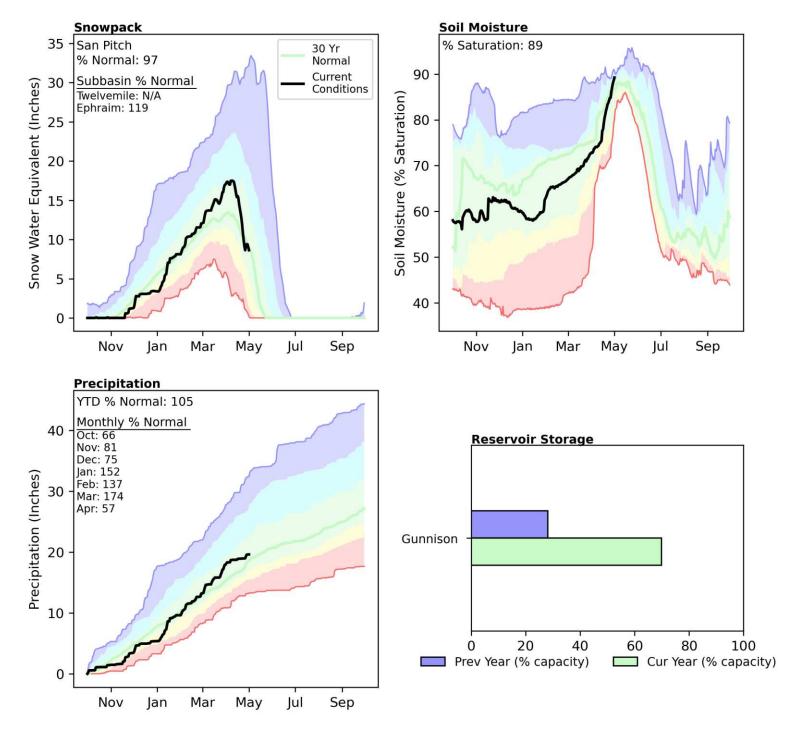


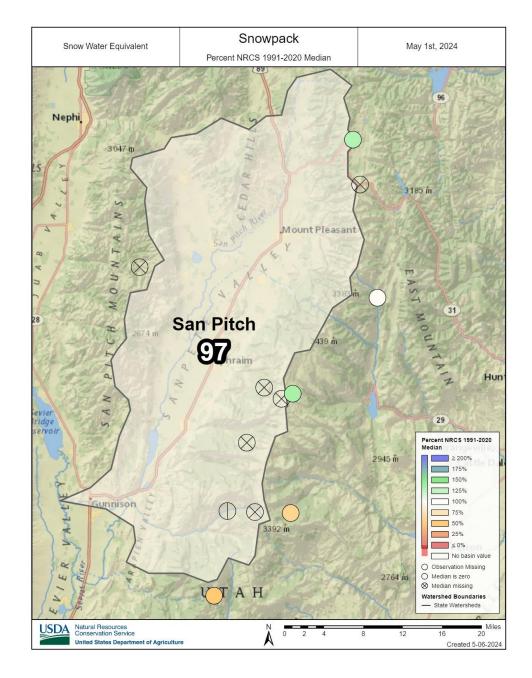


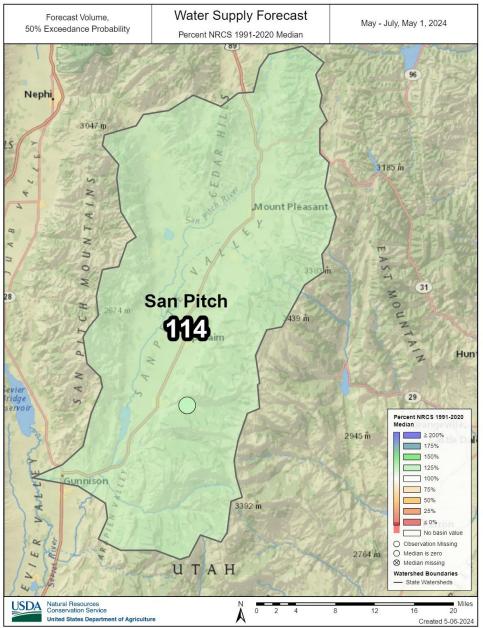




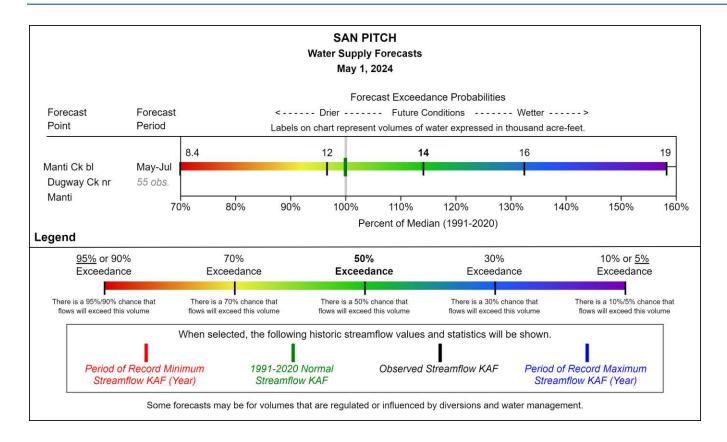
Snowpack in the San Pitch River Basin is about normal at 97% of median, compared to 219% at this time last year. Precipitation in April was well below normal at 57%, which brings the seasonal accumulation (October-April) to 105% of median. Soil moisture is at 89% saturation compared to 81% saturation last year. Reservoir storage is 69% of capacity, compared to 28% last year. The forecast streamflow volume (50% exceedence, May-July) for Manti Creek is 114% of normal The Surface Water Supply Index percentile is 60% for the San Pitch.



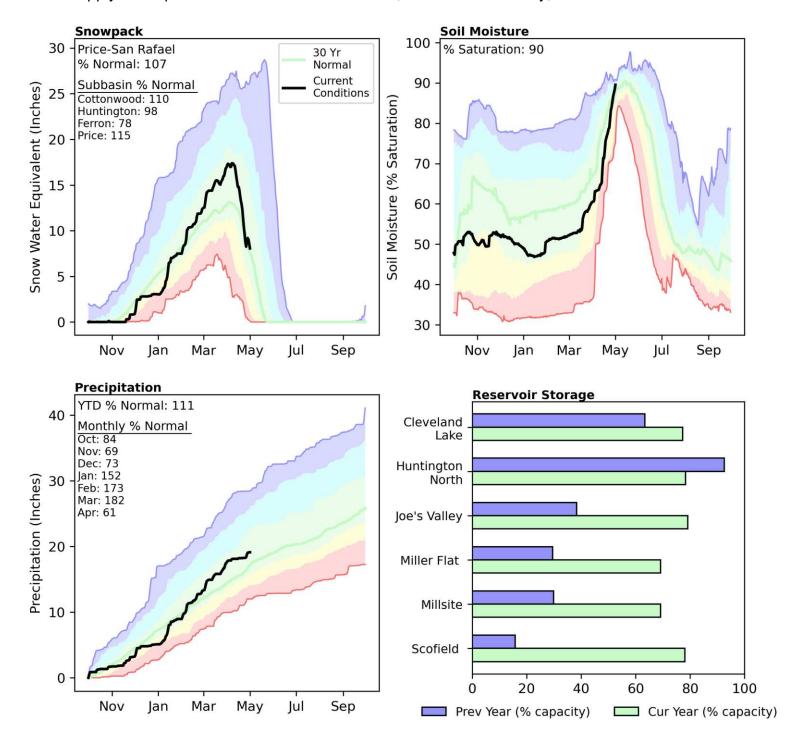


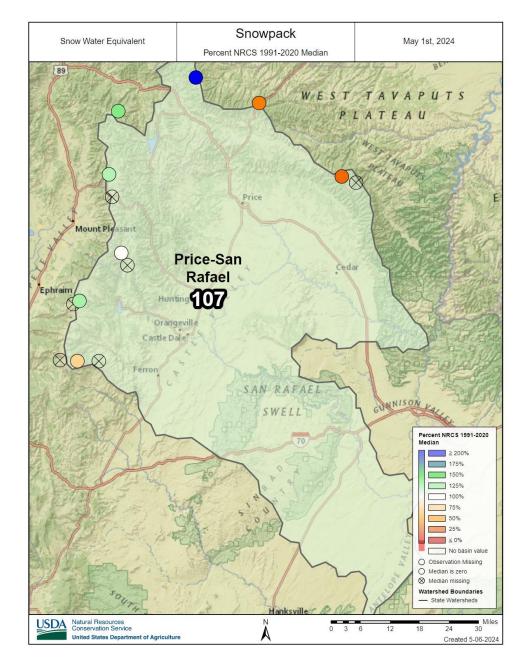


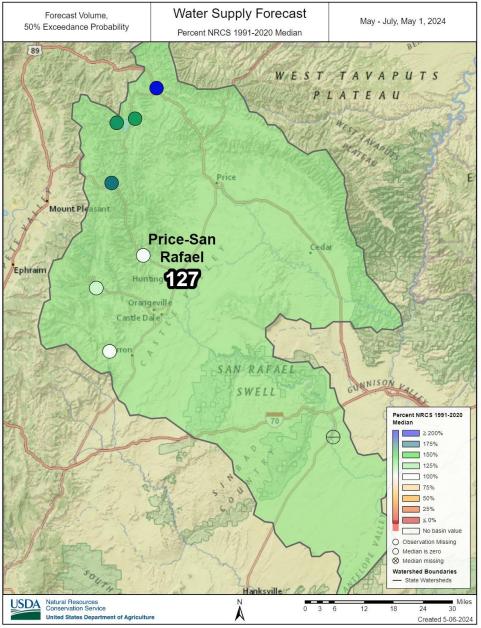
San Pitch

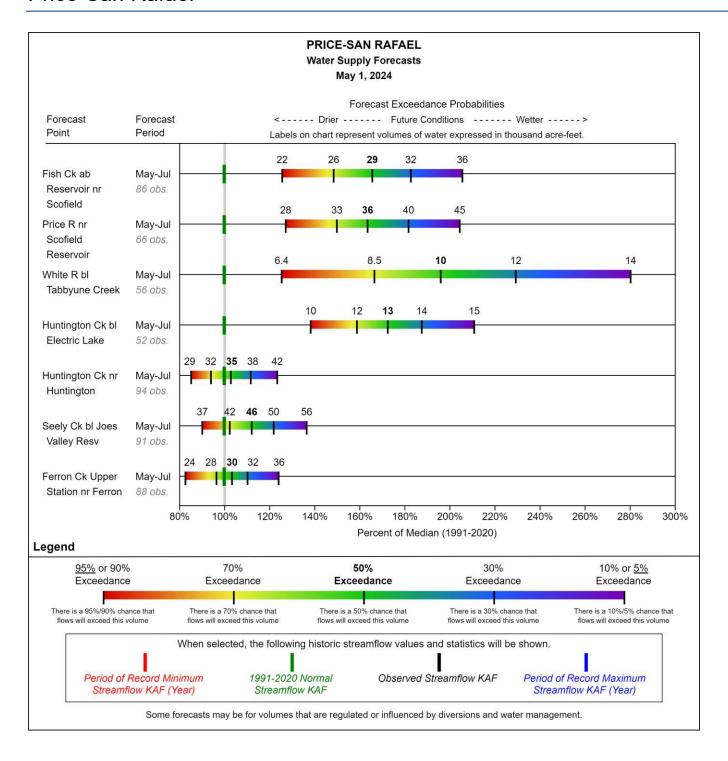


Snowpack in the Price and San Rafael River Basins is about normal at 107% of median, compared to 275% at this time last year. Precipitation in April was well below normal at 61%, which brings the seasonal accumulation (October-April) to 111% of median. Soil moisture is at 90% saturation compared to 75% saturation last year. Reservoir storage is 77% of capacity, compared to 30% last year. Forecast streamflow volumes (50% exceedence, May-July) range from 103% to 196% of normal. The Surface Water Supply Index percentiles are 82% for the Price, 64% for Joes Valley, and 51% for Ferron Creek.

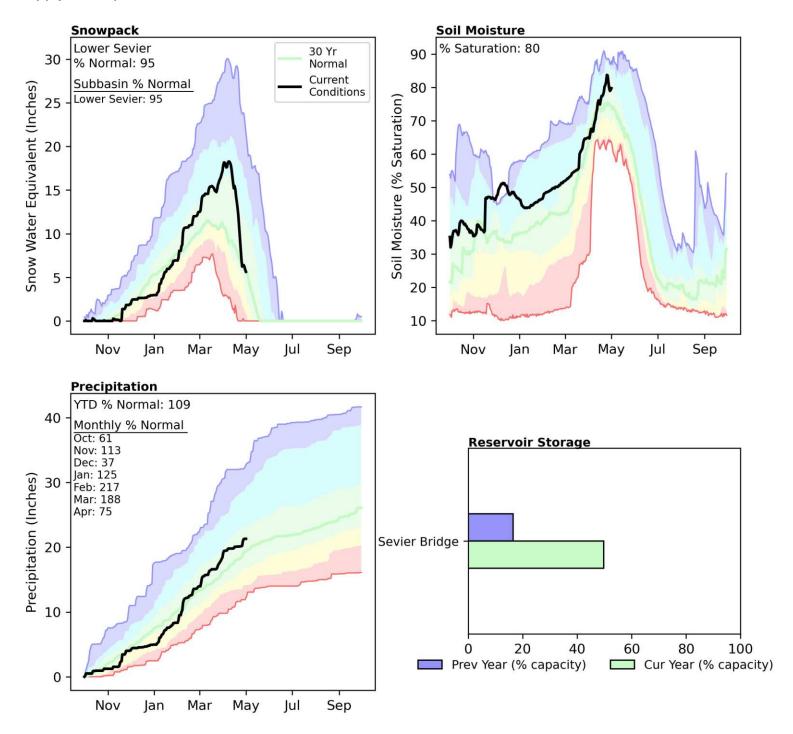


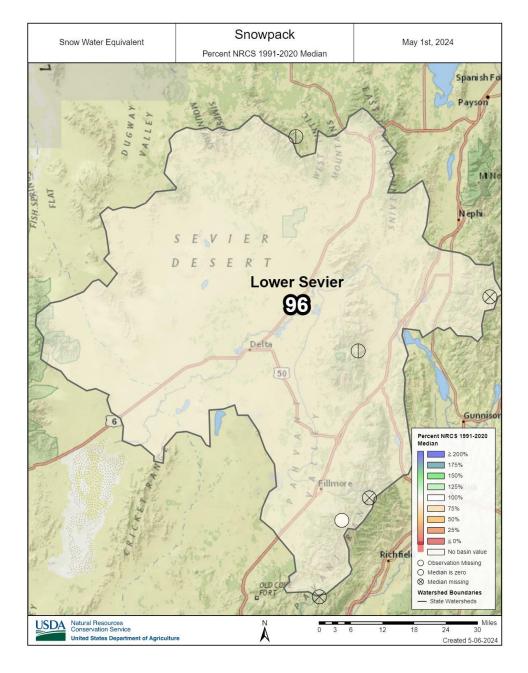


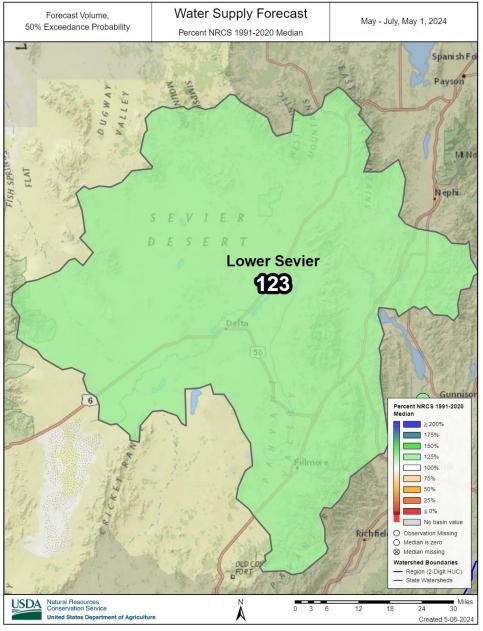




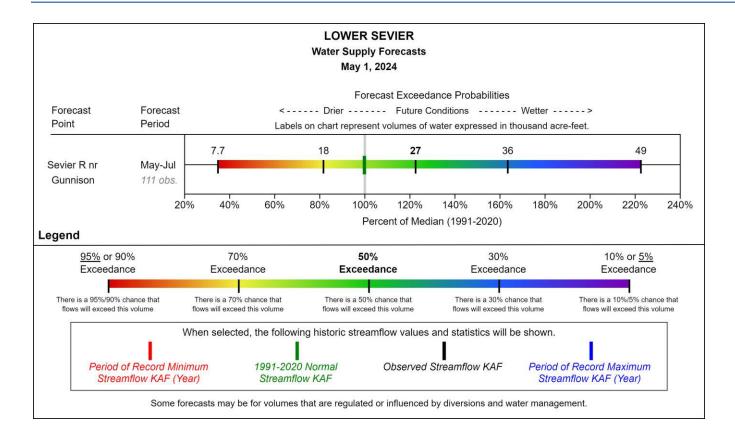
Snowpack in the Lower Sevier River Basin is about normal at 95% of median, compared to 317% at this time last year. Precipitation in April was below normal at 75%, which brings the seasonal accumulation (October-April) to 109% of median. Soil moisture is at 80% saturation compared to 85% saturation last year. Reservoir storage is 49% of capacity, compared to 16% last year. Forecast streamflow volume (50% exceedence, May-July) for the Sevier River near Gunnison is 123% of normal. The Surface Water Supply Index percentile is 29% for the Lower Sevier.



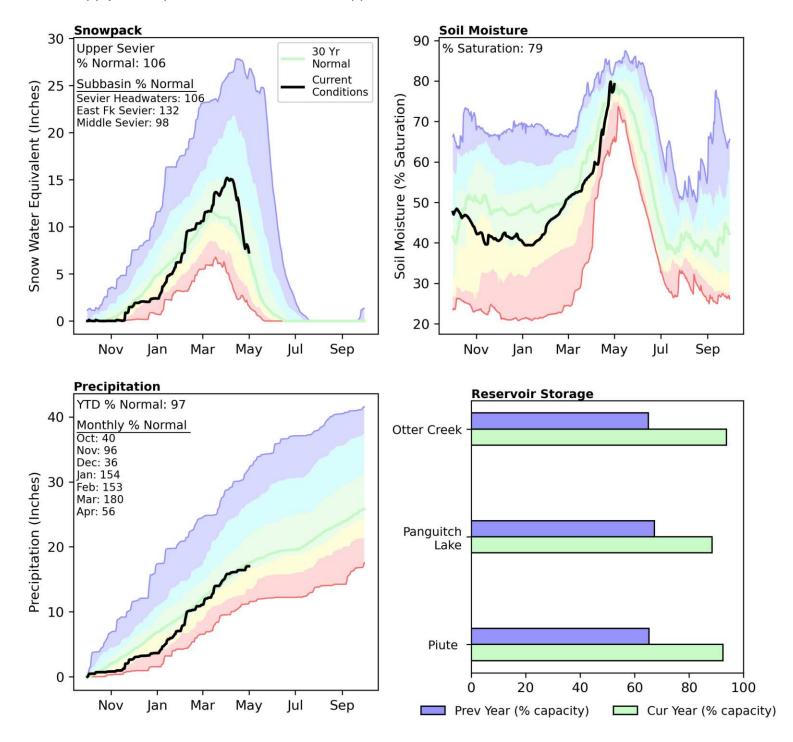


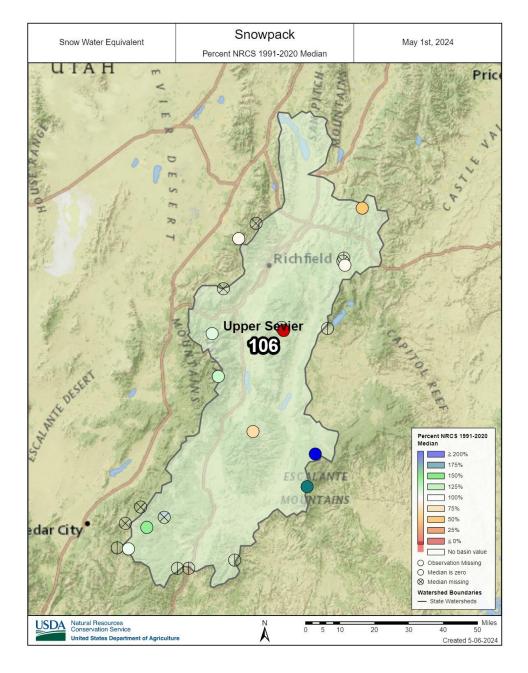


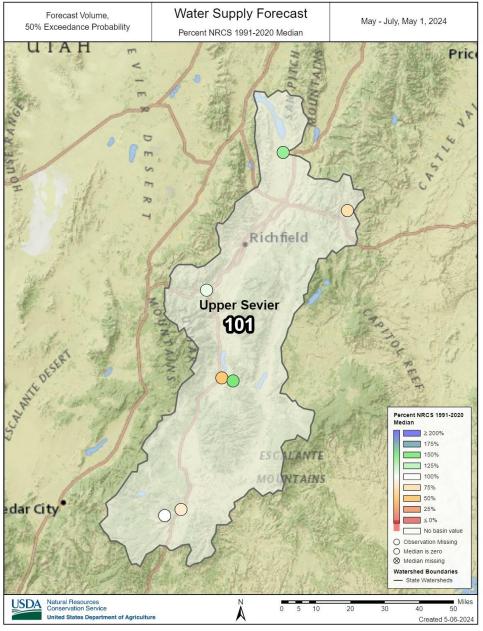
Lower Sevier

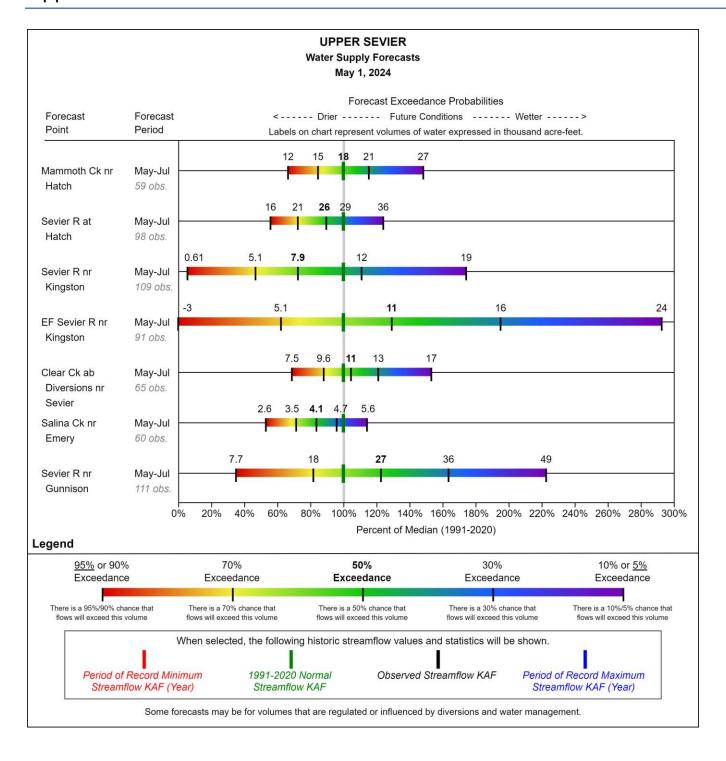


Snowpack in the Upper Sevier River Basin is about normal at 106% of median, compared to 219% at this time last year. Precipitation in April was well below normal at 56%, which brings the seasonal accumulation (October-April) to 97% of median. Soil moisture is at 79% saturation compared to 83% saturation last year. Reservoir storage is 92% of capacity, compared to 65% last year. Forecast streamflow volumes (50% exceedence, May-July) range from 72% to 129% of normal. The Surface Water Supply Index percentile is 62% for the Upper Sevier.

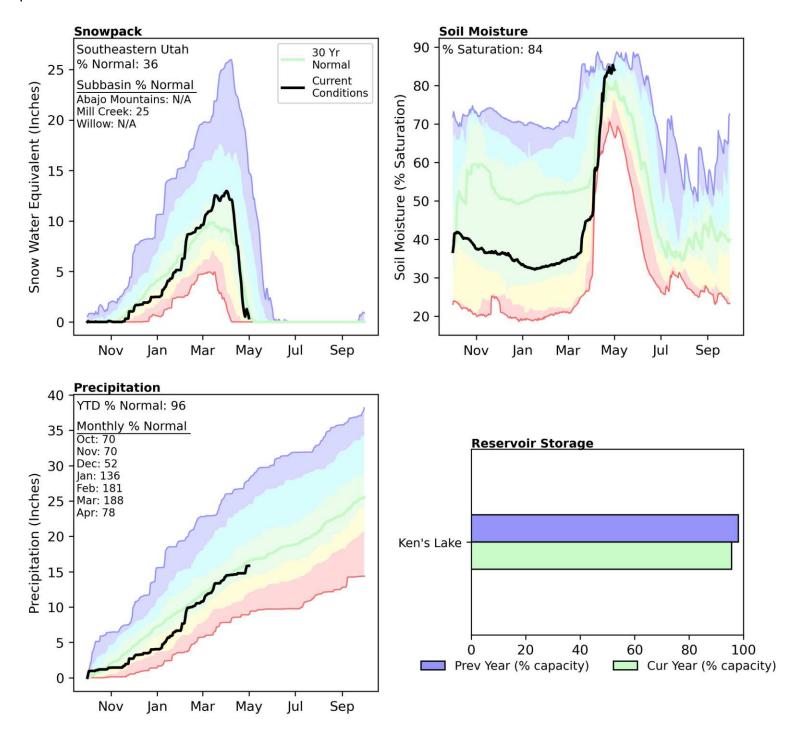


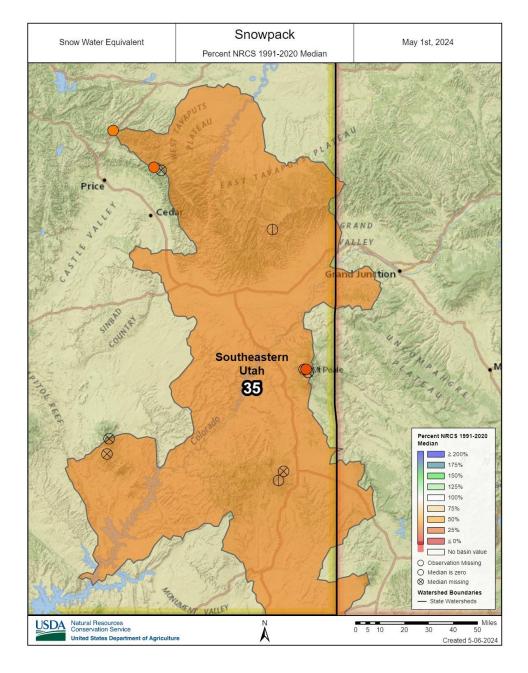


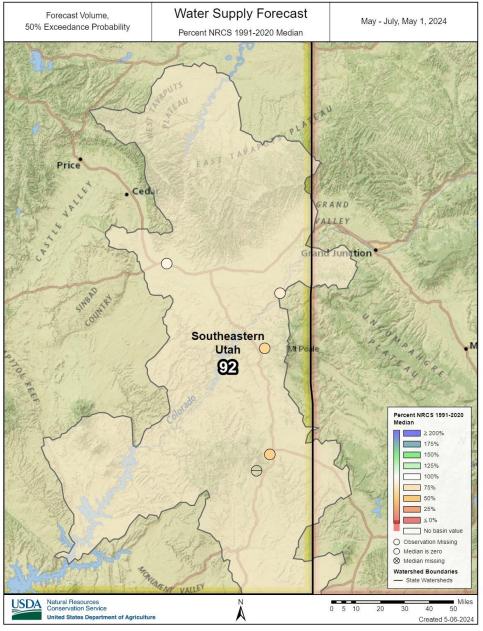




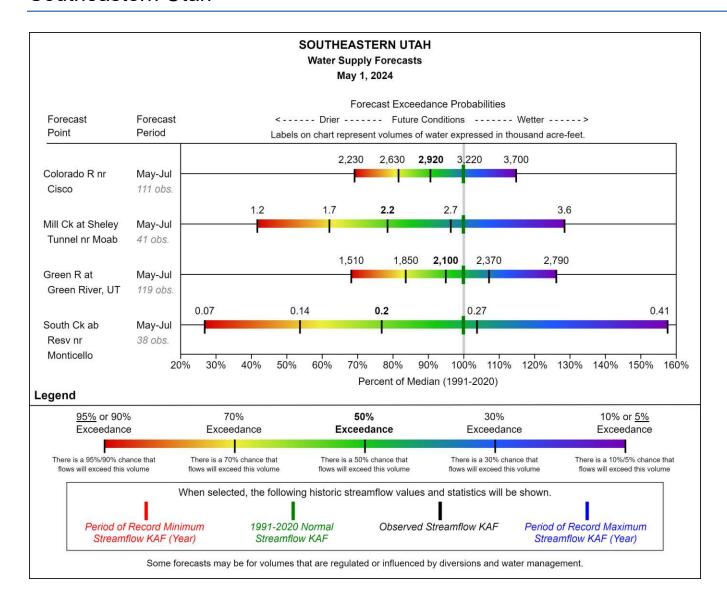
Snowpack in Southeastern Utah is well below normal at 36% of median, compared to 1282% at this time last year. Precipitation in April was below normal at 78%, which brings the seasonal accumulation (October-April) to 96% of median. Soil moisture is at 84% saturation compared to 82% saturation last year. Reservoir storage is 95% of capacity, compared to 98% last year. Forecast streamflow volumes (50% exceedence, May-July) range from 77% to 95% of normal. The Surface Water Supply Index percentile is 50% for Moab.



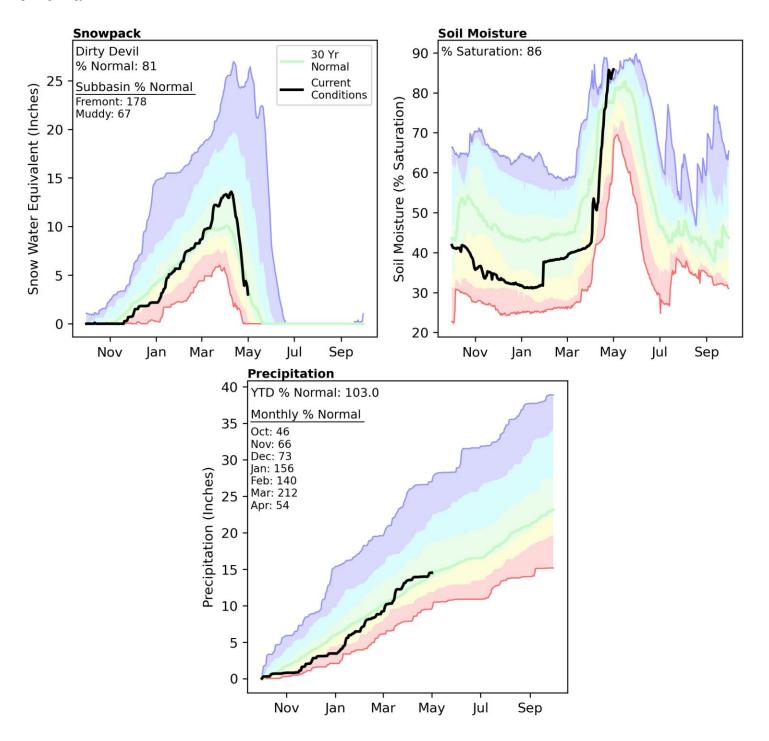


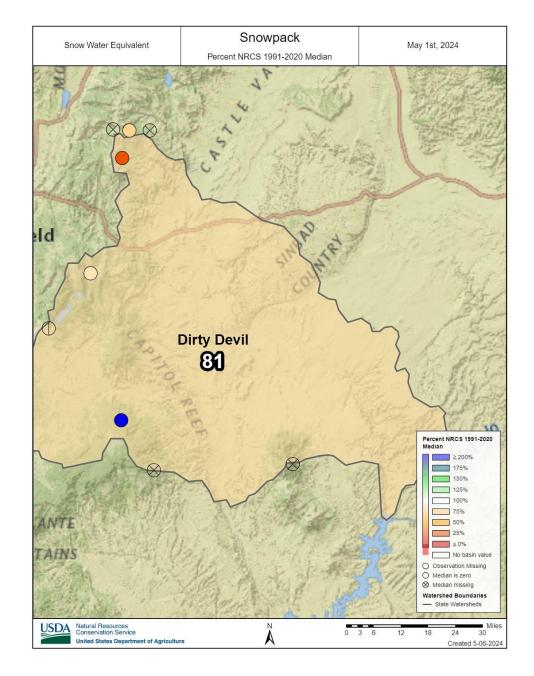


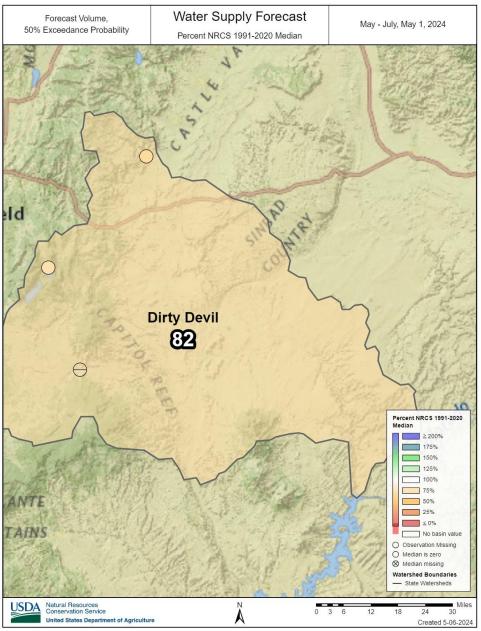
Southeastern Utah

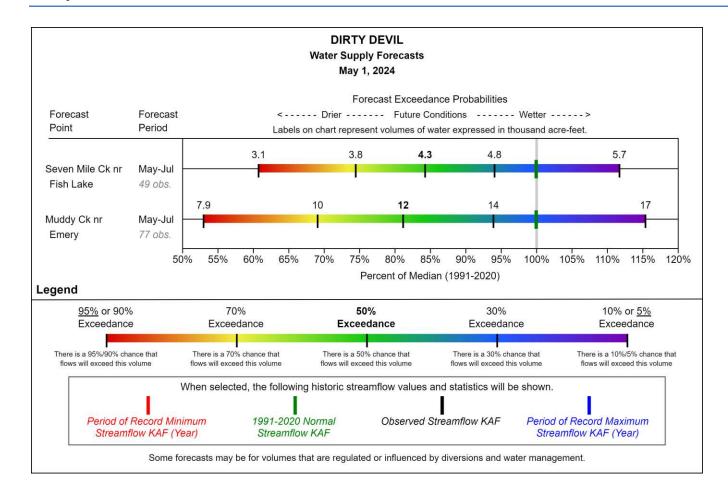


Snowpack in the Dirty Devil River Basin is below normal at 81% of median, compared to 308% at this time last year. Precipitation in April was well below normal at 54%, which brings the seasonal accumulation (October-April) to 103% of median. Soil moisture is at 86% saturation compared to 70% saturation last year. Forecast streamflow volumes (50% exceedence, May-July) range from 81% to 84% of normal.

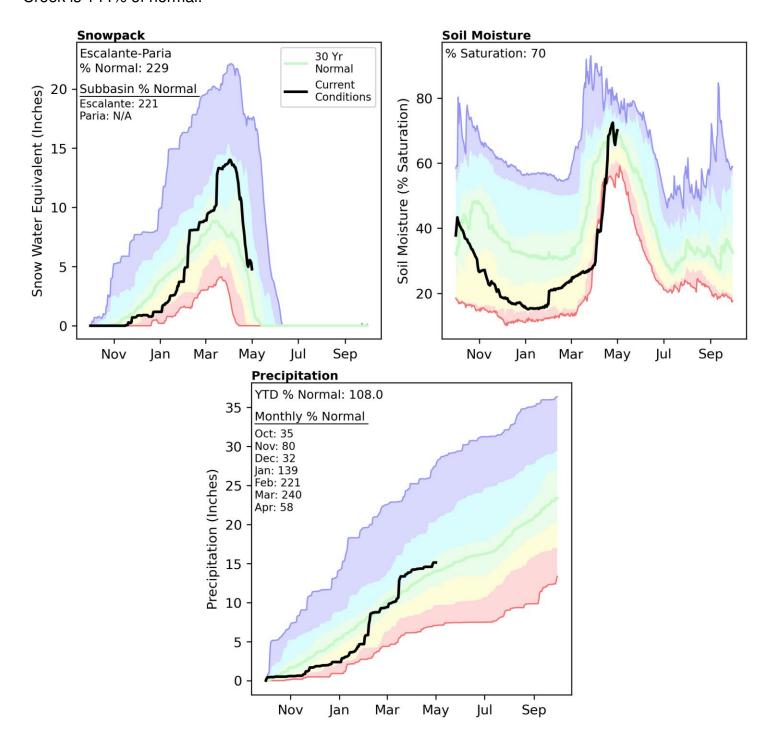


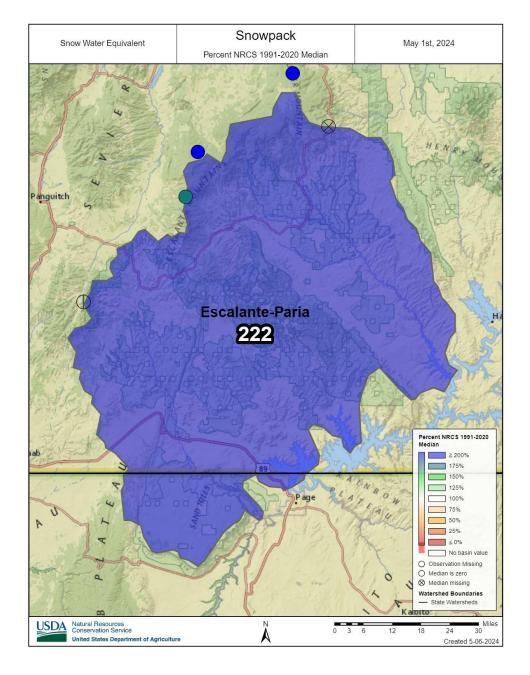


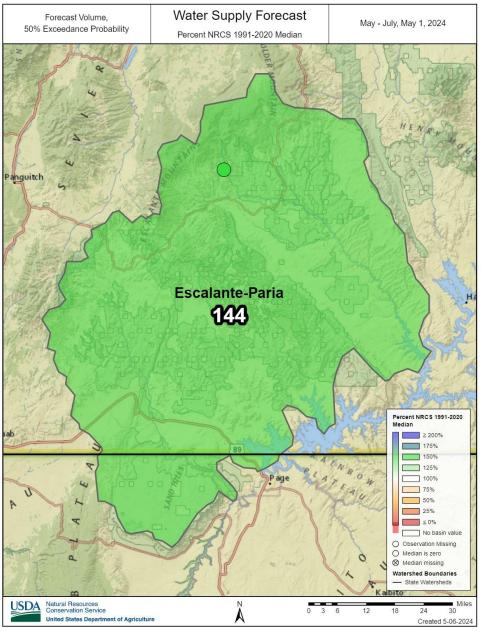




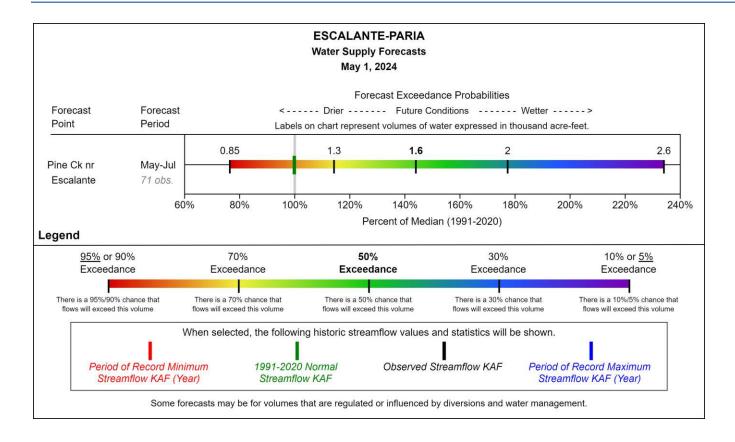
Snowpack in the Escalante and Paria River Basins is well above normal at 229% of median, compared to 414% at this time last year. Precipitation in April was well below normal at 58%, which brings the seasonal accumulation (October-April) to 108% of median. Soil moisture is at 70% saturation compared to 76% saturation last year. The forecast streamflow volume (50% exceedence, May-July) for Pine Creek is 144% of normal.



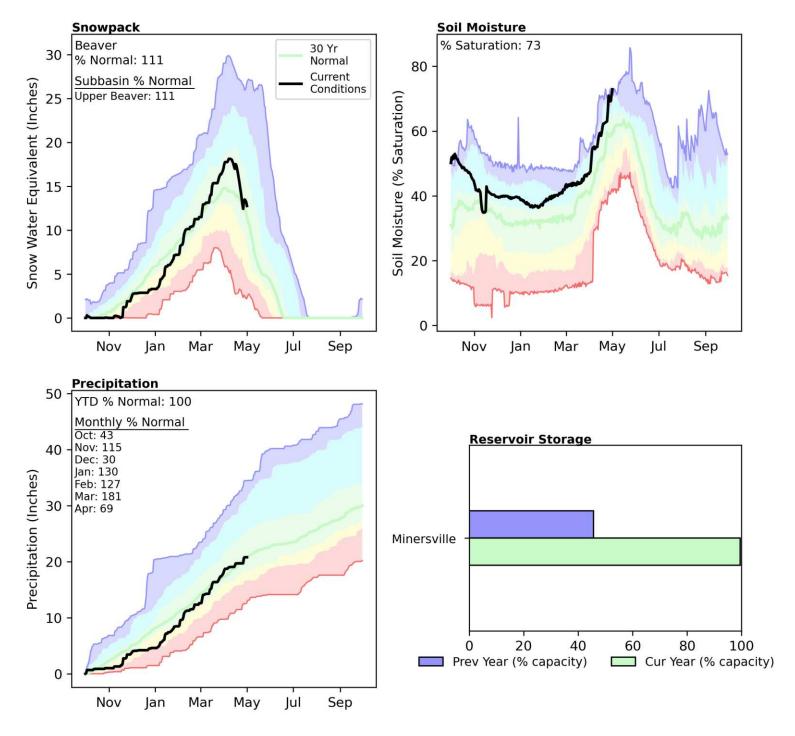


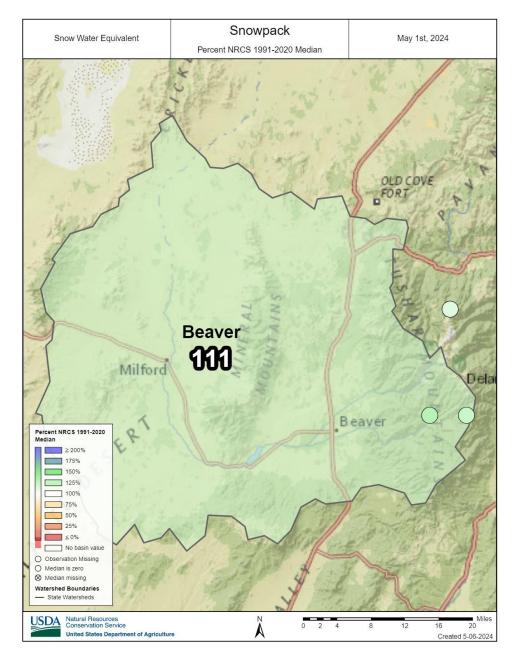


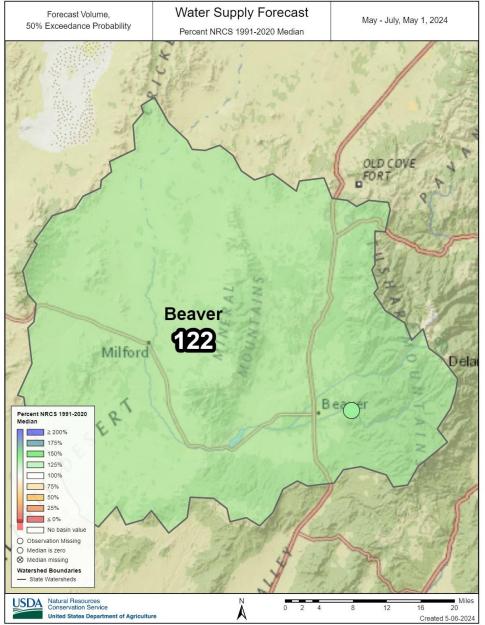
Escalante-Paria

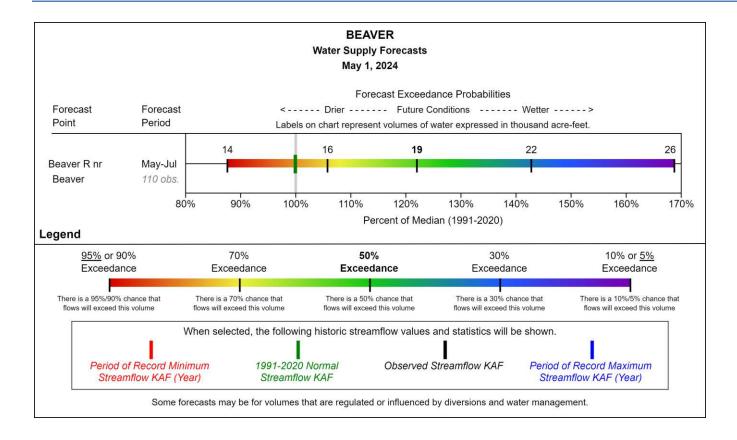


Snowpack in the Beaver River Basin is above normal at 111% of median, compared to 204% at this time last year. Precipitation in April was well below normal at 69%, which brings the seasonal accumulation (October-April) to 100% of median. Soil moisture is at 73% saturation compared to 70% saturation last year. Reservoir storage is 99% of capacity, compared to 45% last year. The forecast streamflow volume (50% exceedence, May-July) for the Beaver River is 122% of normal. The Surface Water Supply Index percentile is 62% for the Beaver River.

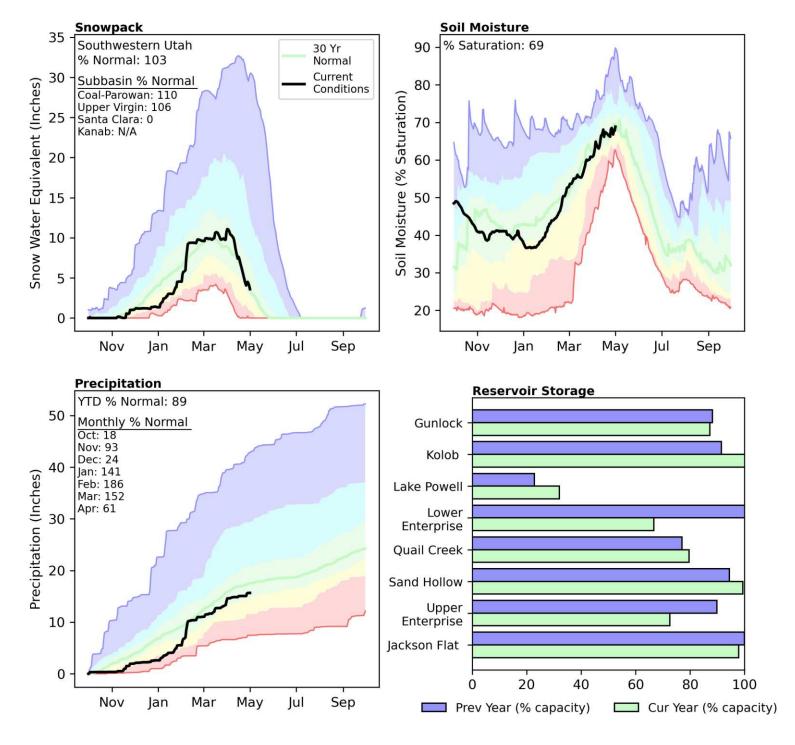


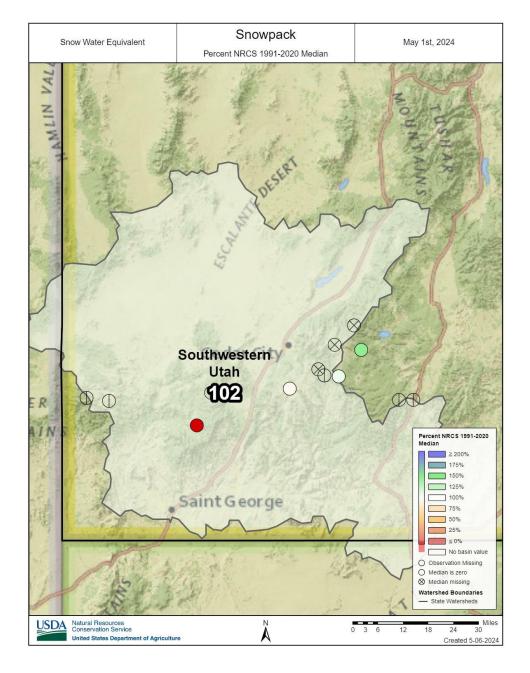


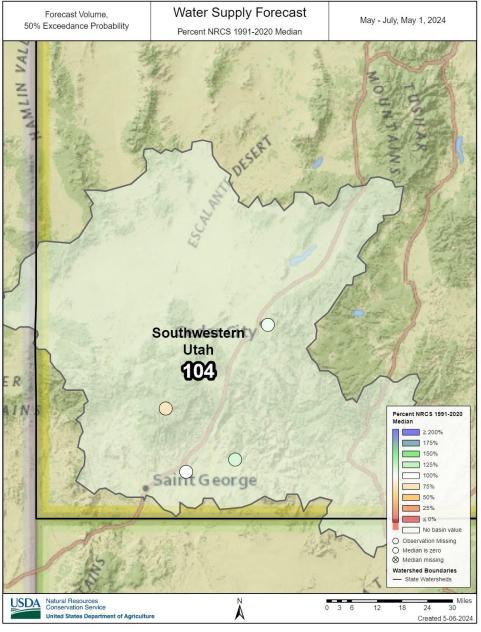




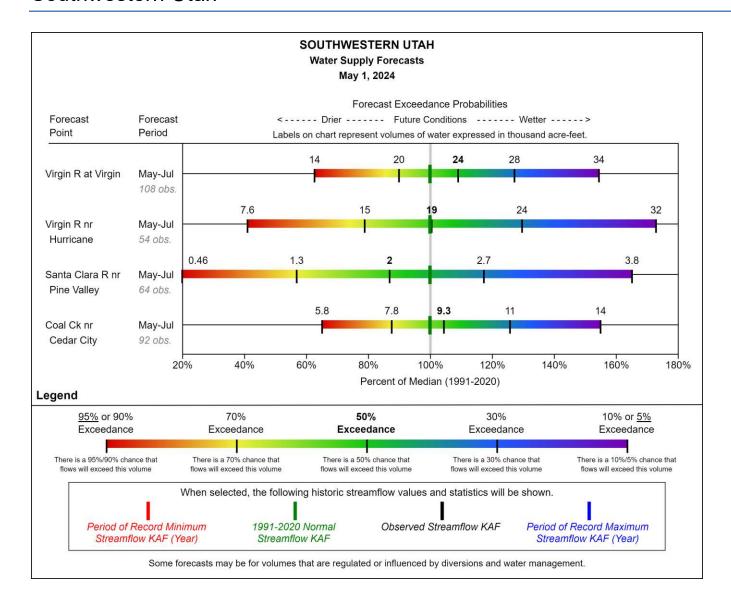
Snowpack in Southwestern Utah is about normal at 103% of median, compared to 331% at this time last year. Precipitation in April was well below normal at 61%, which brings the seasonal accumulation (October-April) to 89% of median. Soil moisture is at 69% saturation compared to 90% saturation last year. Reservoir storage is 32% of capacity, compared to 23% last year. Forecast streamflow volumes (50% exceedence, May-July) range from 87% to 109% of normal. The Surface Water Supply Index percentile is 48% for the Virgin River.







Southwestern Utah



May 1, 2024 | Utah Reservoir Summary

| Watershed/Region | Current Storage (Basinwide KAF) | Reservoir Capacity (Basinwide KAF) | Last Yr % Capacity (Basinwide) | This Yr % Capacity (Basinwide) |
|---|------------------------------------|------------------------------------|--------------------------------|-----------------------------------|
| Utah (Statewide) | 4760 | 5469 | 57 | 87 |
| Utah (Statewide) Incl. Flaming G. & Lk. Powell | 15684 | 33540 | 33 | 46 |
| Bear | 1065 | 1389 | 40 | 76 |
| Weber-Ogden | 498 | 547 | 53 | 91 |
| Northeastern Uintas | 3242 | 3852 | 68 | 84 |
| Tooele Valley | 4 | 4 | 67 | 93 |
| Duchesne | 1282 | 1379 | 75 | 92 |
| Provo | 1293 | 1334 | 67 | 96 |
| San Pitch | 14 | 20 | 28 | 69 |
| Price | 122 | 158 | 30 | 77 |
| Upper Sevier | 252 | 382 | 35 | 66 |
| Southeast UT | 2 | 2 | 98 | 95 |
| Beaver | 23 | 23 | 45 | 99 |
| Southwest Utah | 109 | 122 | 88 | 89 |

Red (green) shading indicates >5% decrease (increase) in % capacity from this time last year.

| Reservoir | Current Storage (KAF) | Reservoir Capacity (KAF) | Last Yr % Capacity | This Yr % Capacity |
|-----------------------------|-----------------------|--------------------------|--------------------|--------------------|
| Bear Lake | 983 | 1302 | 37 | 75 |
| Big Sand Wash Reservoir | 24 | 25 | 100 | 96 |
| Causey Reservoir | 7 | 7 | 51 | 100 |
| Cleveland Lake | 4 | 5 | 63 | 77 |
| Currant Creek Reservoir | 14 | 15 | 95 | 92 |
| Deer Creek Reservoir | 144 | 149 | 80 | 96 |
| East Canyon Reservoir | 40 | 49 | 57 | 82 |
| Echo Reservoir | 71 | 73 | 27 | 97 |
| Flaming Gorge Reservoir | 3150 | 3749 | 69 | 84 |
| Grantsville Reservoir | 3 | 3 | 76 | 94 |
| Gunlock | 9 | 10 | 88 | 87 |
| Gunnison Reservoir | 14 | 20 | 28 | 69 |
| Huntington North Reservoir | 3 | 4 | 92 | 78 |
| Hyrum Reservoir | 12 | 15 | 71 | 82 |
| Jackson Flat Reservoir | 3 | 4 | 100 | 97 |
| Joes Valley Reservoir | 48 | 61 | 38 | 79 |
| Jordanelle Reservoir | 271 | 314 | 59 | 86 |
| Ken's Lake | 2 | 2 | 98 | 95 |
| Kolob Reservoir | 5 | 5 | 91 | 100 |
| Lake Powell | 7773 | 24322 | 22 | 31 |
| Lost Creek Reservoir | 22 | 22 | 40 | 99 |
| Lower Enterprise | 1 | 2 | 107 | 66 |
| Meeks Cabin Reservoir | 26 | 32 | 43 | 82 |
| Miller Flat Reservoir | 3 | 5 | 29 | 69 |
| Millsite | 11 | 16 | 29 | 69 |
| Minersville Reservoir | 23 | 23 | 45 | 99 |
| Moon Lake Reservoir | 34 | 35 | 87 | 95 |
| Otter Creek Reservoir | 49 | 52 | 64 | 93 |
| Panguitch Lake | 19 | 22 | 67 | 88 |
| Pineview Reservoir | 100 | 110 | 23 | 91 |
| Piute Reservoir | 66 | 71 | 65 | 92 |
| Porcupine Reservoir | 13 | 11 | 83 | 116 |
| Quail Creek | 31 | 40 | 77 | 79 |
| Red Fleet Reservoir | 21 | 25 | 45 | 83 |
| Rockport Reservoir | 48 | 60 | 24 | 79 |
| Sand Hollow Reservoir | 49 | 50 | 94 | 99 |
| Scofield Reservoir | 51 | 65 | 15 | 78 |
| Settlement Canyon Reservoir | 0 | 1 | 38 | 87 |
| Sevier Bridge Reservoir | 117 | 236 | 16 | 49 |
| Smith and Morehouse | 6 | 8 | 44 | 75 |
| Starvation Reservoir | 162 | 164 | 80 | 99 |
| Stateline Reservoir | 10 | 12 | 62 | 87 |
| Steinaker Reservoir | 33 | 33 | 62 | 99 |
| Strawberry Reservoir | 1044 | 1105 | 75 | 94 |
| Upper Enterprise | 7 | 10 | 89 | 72 |
| Upper Stillwater Reservoir | 2 | 32 | 6 | 7 |
| Utah Lake | 877 | 870 | 67 | 100 |
| Willard Bay | 201 | 215 | 85 | 93 |
| Woodruff Creek | 3 | 4 | 78 | 99 |
| Woodruff Narrows Reservoir | 51 | 57 | 77 | 90 |
| | | | | |

Red (green) shading indicates >5% decrease (increase) in % capacity from this time last year.

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Streamflow Forecast Summary: May 1, 2024 (Medians based On 1991-2020 reference period)

| | | F | Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast | | | | | | | | |
|------------------------|--------------------|--------------|--|-----|------|-----|-----|-----|--|--|--|
| Raft | Forecast Period | 90% (KAF) | % Median | | | | | | | | |
| Dunn Ck nr Park Valley | | | | | | | | | | | |
| | APR-JUL | 3.2 | 3.8 | 4.3 | 179% | 4.8 | 5.7 | 2.4 | | | |
| | MAY-JUL | 2.3 | 2.9 | 3.4 | 162% | 3.9 | 4.8 | 2.1 | | | |

^{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

| | Γ | F | orecast Exce | edance Prob | abilities For Ris | k Assessme | nt | 7 |
|-------------------------------|--------------------|--------------|--------------|--------------|-------------------|--------------|--------------|----------------------|
| | | | | | lume will exceed | | | |
| Bear | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Median | 30% (KAF) | 10% (KAF) | 30yr Median (KAF) |
| Bear R bl Stewart Da | ım¹ | | | | | | | |
| | APR-JUL | 107 | 151 | 180 | 157% | 210 | 250 | 115 |
| | APR-SEP | 116 | 164 | 197 | 161% | 230 | 275 | 122 |
| | MAY-JUL | 55 | 99 | 129 | 140% | 159 | 200 | 92 |
| | MAY-SEP | 64 | 112 | 146 | 135% | 179 | 225 | 108 |
| Smiths Fk nr Border | | | | | | | | |
| | APR-JUL | 64 | 73 | 80 | 93% | 87 | 98 | 86 |
| | APR-SEP | 75 | 84 | 92 | 92% | 100 | 113 | 100 |
| | MAY-JUL | 52 | 61 | 68 | 91% | 75 | 86 | 75 |
| | MAY-SEP | 63 | 72 | 80 | 89% | 88 | 101 | 90 |
| Little Bear at Paradis | е | | | | | | | |
| | APR-JUL | 40 | 45 | 50 | 179% | 55 | 64 | 28 |
| | MAY-JUL | 18.3 | 23 | 28 | 151% | 33 | 42 | 18.6 |
| Bear R nr UT-WY Sta | ate Line | | | | | | | |
| | APR-JUL | 89 | 102 | 111 | 110% | 120 | 136 | 101 |
| | APR-SEP | 99 | 113 | 122 | 107% | 132 | 149 | 114 |
| | MAY-JUL | 77 | 90 | 99 | 102% | 108 | 124 | 97 |
| | MAY-SEP | 87 | 101 | 110 | 102% | 120 | 137 | 108 |
| Bear R ab Resv nr W | oodruff / | | | | | | | |
| | APR-JUL | 86 | 106 | 121 | 132% | 137 | 169 | 92 |
| | APR-SEP | 87 | 108 | 127 | 128% | 146 | 171 | 99 |
| | MAY-JUL | 51 | 71 | 86 | 108% | 102 | 134 | 80 |
| | MAY-SEP | 52 | 73 | 92 | 108% | 111 | 136 | 85 |
| Logan R nr Logan ¹ | | | | | | | | |
| | APR-JUL | 109 | 119 | 127 | 140% | 136 | 151 | 91 |
| | MAY-JUL | 86 | 96 | 104 | 133% | 113 | 128 | 78 |
| Blacksmith Fk nr Hyr | um | | | | | | | |
| · | APR-JUL | 38 | 42 | 45 | 155% | 48 | 53 | 29 |
| | MAY-JUL | 20 | 24 | 27 | 129% | 30 | 35 | 21 |
| Big Ck nr Randolph | | | | | | | | |
| | APR-JUL | 2.8 | 3.8 | 4.8 | 150% | 5.9 | 8.1 | 3.2 |
| | MAY-JUL | 1.8 | 2.8 | 3.8 | 152% | 4.9 | 7.1 | 2.5 |

^{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

| | | F | Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast | | | | | | | | |
|-------------|--------------------|--------------|--|--------------|----------|--------------|--------------|----------------------|--|--|--|
| Weber-Ogden | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Median | 30% (KAF) | 10% (KAF) | 30yr Median (KAF) | | | |

| APF | R-JUL 9 | 9 120 | 135 | 155% | 149 | 171 | 87 |
|--|----------|---------|------|------|------|------|------|
| MAY | '-JUL 7 | 4 95 | 110 | 151% | 124 | 146 | 73 |
| Weber R nr Oakley ¹ | | | | | | | |
| APF | R-JUL 10 | | 122 | 126% | 130 | 144 | 97 |
| MAY | '-JUL 8- | 4 95 | 104 | 117% | 112 | 126 | 89 |
| Lost Ck Reservoir Inflow ¹ | | | | | | | |
| APF | R-JUL 12 | .5 13.9 | 15.1 | 159% | 16.3 | 18.3 | 9.5 |
| MAY | '-JUL 5. | 2 6.6 | 7.8 | 118% | 9 | 11 | 6.6 |
| East Canyon Ck nr Jeremy Ra | | | | | | | |
| APR | R-JUL 12 | | | 179% | 18.8 | 22 | 9.5 |
| MAY | '-JUL 5. | 2 8 | 9.8 | 153% | 11.7 | 14.4 | 6.4 |
| Chalk Ck at Coalville | | | | | | | |
| | R-JUL 2 | | 43 | 165% | 50 | 59 | 26 |
| MAY | ′-JUL 13 | .6 23 | 30 | 136% | 37 | 46 | 22 |
| Weber R at Gateway ¹ | | | | | | | |
| APR | R-JUL 28 | 320 | 355 | 173% | 390 | 450 | 205 |
| MAY | '-JUL 15 | 57 194 | 230 | 150% | 265 | 325 | 153 |
| Echo Reservoir Inflow ¹ | | | | | | | |
| APF | R-JUL 12 | 27 149 | 168 | 140% | 187 | 220 | 120 |
| MAY | '-JUL 8 | 3 105 | 124 | 123% | 143 | 178 | 101 |
| SF Ogden R nr Huntsville ¹ | | | | | | | |
| APR | R-JUL 5 | 5 61 | 65 | 159% | 71 | 80 | 41 |
| MAY | '-JUL 2 | 7 33 | 37 | 128% | 43 | 52 | 29 |
| Pineview Reservoir Inflow ¹ | | | | | | | |
| APR | R-JUL 11 | 4 135 | 150 | 190% | 164 | 191 | 79 |
| MAY | -JUL 4 | 8 69 | 84 | 171% | 98 | 125 | 49 |
| East Canyon Ck nr Morgan ¹ | | | | | | | |
| | R-JUL 2 | 2 26 | 29 | 161% | 32 | 37 | 18 |
| MAY | ′-JUL 9. | 2 13.5 | 16.5 | 120% | 19.5 | 24 | 13.7 |
| Weber R nr Coalville ¹ | | | | | | | |
| | R-JUL 10 | 0 117 | 132 | 142% | 147 | 176 | 93 |
| | -JUL 6 | | 101 | 131% | 116 | 145 | 77 |

^{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 | | | | | | |
|---------------------------|------------------------|--|--------------|--------------|----------|--------------|--------------|----------------------|
| Northeastern Uintas | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Median | 30% (KAF) | 10% (KAF) | 30yr Median (KAF) |
| Big Brush Ck ab Red Fle | eet Reservoir | | | | | | | |
| | APR-JUL | 9 | 11.9 | 14 | 71% | 16 | 19 | 19.7 |
| | MAY-JUL | 6.9 | 9.9 | 11.9 | 71% | 13.9 | 16.9 | 16.7 |
| Flaming Gorge Reservoi | ir Inflow ² | | | | | | | |
| | APR-JUL | 545 | 690 | 795 | 80% | 910 | 1100 | 990 |
| | MAY-JUL | 415 | 560 | 665 | 76% | 780 | 970 | 880 |
| Ashley Ck nr Vernal | | | | | | | | |
| | APR-JUL | 20 | 28 | 33 | 77% | 38 | 45 | 43 |
| | MAY-JUL | 16.3 | 24 | 29 | 69% | 34 | 42 | 42 |
| Stateline Reservoir Inflo | w^2 | | | | | | | |
| | APR-JUL | 17.6 | 21 | 24 | 92% | 27 | 31 | 26 |
| | MAY-JUL | 15.6 | 19.3 | 22 | 88% | 25 | 29 | 25 |
| Blacks Fk nr Robertson | | | | | | | | |
| | APR-JUL | 63 | 74 | 82 | 90% | 90 | 102 | 91 |
| | MAY-JUL | 56 | 67 | 75 | 88% | 83 | 94 | 85 |

^{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

| Tooele Valley-Vernon Creek | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Median | 30% (KAF) | 10% (KAF) | 30yr Median (KAF) |
|-------------------------------|--------------------|--------------|--------------|--------------|----------|--------------|--------------|----------------------|
| Vernon Ck nr Vernon | | | | | | | | |
| | APR-JUL | 0.4 | 0.66 | 0.83 | 112% | 1.01 | 1.27 | 0.74 |
| | MAY-JUL | 0.21 | 0.47 | 0.64 | 123% | 0.82 | 1.08 | 0.52 |
| S Willow Ck nr Grantsvi | lle | | | | | | | |
| | APR-JUL | 2.9 | 3.3 | 3.5 | 140% | 3.8 | 4.1 | 2.5 |
| | MAY-JUL | 2.1 | 2.5 | 2.7 | 123% | 3 | 3.3 | 2.2 |

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

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

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

| Duchesne | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Median | 30% (KAF) | 10% (KAF) | 30yr Median (KAF) |
|------------------------|---------------------------|-----------------|--------------|--------------|----------|------------------|--------------|----------------------|
| Whiterocks R nr White | erocks | | | | | | | |
| | APR-JUL | 26 | 32 | 37 | 86% | 42 | 50 | 43 |
| | MAY-JUL | 23 | 29 | 34 | 83% | 39 | 47 | 41 |
| WF Duchesne R at VA | AT Diversion ² | | | | | | | |
| | APR-JUL | 14.7 | 16.7 | 18.2 | 126% | 19.7 | 22 | 14.5 |
| | MAY-JUL | 13.5 | 15.5 | 17 | 125% | 18.5 | 21 | 13.6 |
| Uinta R bl Powerplant | | | | | | | | |
| | APR-JUL | 40 | 50 | 58 | 91% | 66 | 80 | 64 |
| | MAY-JUL | 36 | 46 | 54 | 89% | 62 | 76 | 61 |
| Duchesne R at Myton | 2 | | | | | | | |
| | APR-JUL | 225 | 265 | 290 | 135% | 320 | 365 | 215 |
| | MAY-JUL | 171 | 210 | 235 | 122% | 265 | 310 | 193 |
| Currant Ck Reservoir I | Inflow ² | | | | | | | |
| | APR-JUL | 15 | 17.5 | 19.3 | 162% | 21 | 24 | 11.9 |
| | MAY-JUL | 11.7 | 14.2 | 16 | 155% | 18 | 21 | 10.3 |
| Strawberry R nr Duche | esne ² | | | | | | | |
| | APR-JUL | 88 | 100 | 109 | 206% | 119 | 135 | 53 |
| | MAY-JUL | 58 | 71 | 80 | 216% | 90 | 105 | 37 |
| Duchesne R ab Knight | t Diversion ² | | | | | | | |
| | APR-JUL | 156 | 173 | 185 | 114% | 198 | 215 | 162 |
| | MAY-JUL | 138 | 156 | 168 | 114% | 181 | 200 | 148 |
| Lake Fk R bl Moon Lk | nr Mountain Ho | me ² | | | | | | |
| | APR-JUL | 46 | 52 | 57 | 100% | 61 | 69 | 57 |
| | MAY-JUL | 40 | 47 | 51 | 94% | 56 | 63 | 54 |
| Upper Stillwater Reser | rvoir Inflow ² | | | | | | | |
| | APR-JUL | 63 | 69 | 74 | 109% | 78 | 85 | 68 |
| | MAY-JUL | 54 | 60 | 65 | 98% | 70 | 77 | 66 |
| Strawberry R nr Soldie | er Springs ² | | | | | | | |
| • | APR-JUL | 52 | 61 | 68 | 189% | 76 | 87 | 36 |
| | MAY-JUL | 34 | 43 | 50 | 185% | 57 | 69 | 27 |
| Duchesne R nr Tabion | na ² | | | | | | | |
| | APR-JUL | 85 | 97 | 105 | 121% | 113 | 127 | 87 |
| | MAY-JUL | 70 | 82 | 90 | 117% | 99 | 112 | 77 |
| Rock Ck nr Mountain I | | | | | | | | |
| | APR-JUL | 73 | 81 | 86 | 110% | 91 | 100 | 78 |
| | MAY-JUL | 62 | 70 | 75 | 101% | 81 | 89 | 74 |
| Duchesne R nr Randle | | | - | - | | | | |
| _ 30000 11111 11011010 | APR-JUL | 235 | 285 | 320 | 125% | 360 | 420 | 255 |
| | MAY-JUL | 182 | 230 | 265 | 118% | 305 | 365 | 225 |
| Yellowstone R nr Altor | | | | | 2,1 | - 2 - | 2-2 | |

| APR-JUL | 41 | 49 | 54 | 96% | 60 | 70 | 56 |
|---------|----|----|----|-----|----|----|----|
| MAY-JUL | 36 | 43 | 49 | 91% | 55 | 64 | 54 |

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

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

| Provo-Utah Lake- | Forecast | 90% | 70% | 50% | % Median | 30% | 10% | 30yr Median |
|-------------------------------------|--------------------|------------|---|------------|--------------|------------|------------|-------------|
| Jordan | Period | (KAF) | (KAF) | (KAF) | | (KAF) | (KAF) | (KAF) |
| City Ck nr SLC | | E | 6.0 | 6.0 | 1000/ | 7.4 | 0.0 | F 2 |
| | APR-JUL MAY-JUL | 5.5 4.2 | 6.2 4.9 | 6.8 5.5 | 128% 122% | 7.4 6.1 | 8.2 6.9 | 5.3 4.5 |
| Mill Ck nr SLC | IVIA 1-30L | 4.2 | 4.5 | 3.3 | 122 /0 | 0.1 | 0.9 | 4.5 |
| Willi OK III OLO | APR-JUL | 5 | 6 | 6.7 | 156% | 7.4 | 8.4 | 4.3 |
| | MAY-JUL | 4.1 | 5.1 | 5.8 | 161% | 6.5 | 7.5 | 3.6 |
| Parleys Ck nr SLC | | | • | 0.0 | , . | 0.0 | | 0.0 |
| , | APR-JUL | 7.9 | 10.4 | 12.1 | 139% | 13.8 | 16.2 | 8.7 |
| | MAY-JUL | 4.5 | 6.2 | 7.4 | 116% | 8.9 | 12 | 6.4 |
| Provo R bl Deer Ck Dar | m ¹ | | | | | | | |
| | APR-JUL | 95 | 116 | 133 | 118% | 154 | 193 | 113 |
| | MAY-JUL | 63 | 84 | 101 | 104% | 122 | 161 | 97 |
| Little Cottonwood Ck nr | | | | | | | | |
| | APR-JUL | 33 | 36 | 38 | 123% | 40 | 43 | 31 |
| | MAY-JUL | 29 | 32 | 34 | 117% | 36 | 39 | 29 |
| W Canyon Ck nr Cedar | | 4.04 | 4.0= | 0.4 | 20.107 | 0.4 | | |
| | APR-JUL | 1.04 | 1.65 | 2.1 | 221% | 2.4 | 3 | 0.95 |
| 1 | MAY-JUL | 0.82 | 1.43 | 1.84 | 211% | 2.2 | 2.8 | 0.87 |
| Provo R at Woodland ¹ | 4 D.D. 11 II | 0.4 | 407 | 440 | 1000/ | 400 | 4.40 | 0.5 |
| | APR-JUL | 94 | 107 | 118 | 139% | 129 | 148 | 85 75 |
| 0 | MAY-JUL | 77 | 90 | 101 | 135% | 112 | 131 | 75 |
| Spanish Fk at Castilla ¹ | 4 D.D. II II | 4.4 | 50 | 50 | 1000/ | 0.4 | 70 | 00 |
| | APR-JUL | 44 21 | 52 29 | 58 35 | 193% 152% | 64 41 | 73 50 | 30 23 |
| 14-61-1-1-1-1-1-1 | MAY-JUL | ۷۱ | 29 | 35 | 152% | 41 | 50 | 23 |
| Utah Lake Inflow ¹ | | | | | | | | |
| | MAY-JUL | -6.5 | 71 | 124 | 102% | 177 | 255 | 122 |
| American Fk ab Upper | | -0.5 | 7 1 | 124 | 102 /6 | 177 | 255 | 122 |
| American i Rab Opper | APR-JUL | 21 | 25 | 29 | 151% | 32 | 38 | 19.2 |
| | MAY-JUL | 16.3 | 21 | 25 | 147% | 28 | 34 | 17 |
| Salt Ck at Nephi | | | | | | | _ | |
| • | APR-JUL | 5.9 | 7.6 | 8.7 | 185% | 9.9 | 11.6 | 4.7 |
| | MAY-JUL | 3.9 | 5.6 | 6.7 | 186% | 7.9 | 9.6 | 3.6 |
| Big Cottonwood Ck nr S | | | | | | | | |
| | APR-JUL | 32 | 35 | 39 | 134% | 42 | 47 | 29 |
| | MAY-JUL | 26 | 29 | 33 | 132% | 36 | 41 | 25 |
| Provo R at Hailstone ¹ | | | | | | | | |
| | APR-JUL | 93 | 113 | 126 | 152% | 140 | 160 | 83 |
| | MAY-JUL | 70 | 90 | 103 | 143% | 117 | 137 | 72 |
| Dell Fk nr SLC | 4DD ''' | 4.5 | _ | - 1 | 4500/ | 5 0 | | |
| | APR-JUL | 4.3 | 5 | 5.4 | 150% | 5.9 | 6.6 | 3.6 |
| Emigration Object OLO | MAY-JUL | 2.1 | 2.8 | 3.2 | 100% | 3.7 | 4.4 | 3.2 |
| Emigration Ck nr SLC | ADD IIII | 0.6 | 2.2 | 2.0 | 1700/ | 4.6 | ΕO | 0.0 |
| | APR-JUL MAY-JUL | 2.6 | 3.3 1.61 | 3.9 | 170% 140% | 4.6 2.0 | 5.9 | 2.3 |
| | IVIA 1-JUL | 0.96 | 1.61 | 2.2 | 149% | 2.9 | 4.2 | 1.48 |

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

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

| Fo | precast Exceedance Probabilities For Risk Assessment | |
|----|--|--|
| | Chance that actual volume will exceed forecast | |

| Lower Sevier | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Median | 30% (KAF) | 10% (KAF) | 30yr Median (KAF) |
|----------------------|--------------------|--------------|--------------|--------------|----------|--------------|--------------|----------------------|
| Sevier R nr Gunnison | | | | | | | | |
| | APR-JUL | 26 | 36 | 45 | 150% | 54 | 67 | 30 |
| | MAY-JUL | 7.7 | 18 | 27 | 123% | 36 | 49 | 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

| | | F | | | | | | | | | |
|----------------------|--------------------|--------------|---------------------------|--------------|----------|--------------|--------------|----------------------|--|--|--|
| San Pitch | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Median | 30% (KAF) | 10% (KAF) | 30yr Median (KAF) | | | |
| Manti Ck bl Dugway C | k nr Manti | | | | | | | | | | |
| | APR-JUL | 9.9 | .9 13.1 15.2 117% 17.4 20 | | | | | | | | |
| | MAY-JUL | 8.4 | 11.6 | 13.7 | 114% | 15.9 | 19 | 12 | | | |

- 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

| | [| F | | | abilities For Ris | | ent | 7 |
|--------------------------|-------------------------|--------------|--------------|----------------|-------------------|--------------|--------------|----------------------|
| | Į | | Chance th | iat actual vol | ume will exceed | d forecast | | |
| Price-San Rafael | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Median | 30% (KAF) | 10% (KAF) | 30yr Median (KAF) |
| Price R nr Scofield Res | ervoir ² | | | | | | | |
| | APR-JUL | 39 | 44 | 47 | 181% | 51 | 56 | 26 |
| | MAY-JUL | 28 | 33 | 36 | 164% | 40 | 45 | 22 |
| Huntington Ck nr Huntir | ngton ² | | | | | | | |
| | APR-JUL | 34 | 37 | 40 | 111% | 43 | 47 | 36 |
| | MAY-JUL | 29 | 32 | 35 | 103% | 38 | 42 | 34 |
| Ferron Ck (Upper Station | on) nr Ferron | | | | | | | |
| | APR-JUL | 27 | 31 | 33 | 103% | 35 | 39 | 32 |
| | MAY-JUL | 24 | 28 | 30 | 103% | 32 | 36 | 29 |
| Joes Valley Reservoir In | nflow ² | | | | | | | |
| | APR-JUL | 41 | 46 | 50 | 114% | 54 | 60 | 44 |
| | MAY-JUL | 37 | 42 | 46 | 112% | 50 | 56 | 41 |
| White R bl Tabbyune C | reek | | | | | | | |
| | APR-JUL | 12.6 | 14.7 | 16.2 | 225% | 17.9 | 20 | 7.2 |
| | MAY-JUL | 6.4 | 8.5 | 10 | 196% | 11.7 | 14.3 | 5.1 |
| Fish Ck ab Reservoir nr | r Scofield ² | | | | | | | |
| | APR-JUL | 27 | 31 | 34 | 172% | 37 | 41 | 19.8 |
| | MAY-JUL | 22 | 26 | 29 | 166% | 32 | 36 | 17.5 |
| Electric Lake Inflow 2 | | | | | | | | |
| | APR-JUL | 11.8 | 13.3 | 14.3 | 172% | 15.4 | 17.1 | 8.3 |
| | MAY-JUL | 10.1 | 11.6 | 12.6 | 173% | 13.7 | 15.4 | 7.3 |

- 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 | | | | | | | | | |
|--|--------------------|--------------|--------------|--------------|----------|--------------|--------------|----------------------|--|
| Upper Sevier | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Median | 30% (KAF) | 10% (KAF) | 30yr Median (KAF) | |

| Salina Ck nr Emery | | | | | | | | |
|-------------------------|-----------|------|------|------|------|------|------|------|
| | APR-JUL | 3.6 | 4.5 | 5.1 | 91% | 5.7 | 6.6 | 5.6 |
| | MAY-JUL | 2.6 | 3.5 | 4.1 | 84% | 4.7 | 5.6 | 4.9 |
| Sevier R at Hatch | | | | | | | | |
| | APR-JUL | 25 | 30 | 35 | 103% | 38 | 45 | 34 |
| | MAY-JUL | 16.2 | 21 | 26 | 90% | 29 | 36 | 29 |
| Sevier R nr Gunnison | | | | | | | | |
| | APR-JUL | 26 | 36 | 45 | 150% | 54 | 67 | 30 |
| | MAY-JUL | 7.7 | 18 | 27 | 123% | 36 | 49 | 22 |
| EF Sevier R nr Kingston | 1 | | | | | | | |
| · · | APR-JUL | 1.04 | 9.1 | 14.6 | 109% | 20 | 28 | 13.4 |
| | MAY-JUL | -3 | 5.1 | 10.6 | 129% | 16 | 24 | 8.2 |
| Clear Ck ab Diversions | nr Sevier | | | | | | | |
| | APR-JUL | 12.6 | 14.7 | 16.5 | 121% | 18.3 | 22 | 13.6 |
| | MAY-JUL | 7.5 | 9.6 | 11.4 | 105% | 13.2 | 16.7 | 10.9 |
| Mammoth Ck nr Hatch | | | | | | | | |
| | APR-JUL | 15.3 | 18.6 | 21 | 107% | 24 | 30 | 19.7 |
| | MAY-JUL | 12.1 | 15.4 | 18.2 | 100% | 21 | 27 | 18.2 |
| Sevier R nr Kingston | | | | | | | | |
| _ | APR-JUL | 14.9 | 19.4 | 22 | 150% | 26 | 33 | 14.7 |
| | MAY-JUL | 0.61 | 5.1 | 7.9 | 72% | 12.1 | 19 | 10.9 |

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

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

| | | F | Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast | | | | | | | | |
|-------------------------|--------------------|--------------|--|--------------|----------|--------------|--------------|----------------------|--|--|--|
| Southeastern Utah | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Median | 30% (KAF) | 10% (KAF) | 30yr Median (KAF) | | | |
| Green R at Green River | , UT ² | | | | | | | | | | |
| | APR-JUL | 1950 | 2290 | 2540 | 97% | 2810 | 3230 | 2610 | | | |
| | MAY-JUL | 1510 | 1850 | 2100 | 95% | 2370 | 2790 | 2210 | | | |
| Colorado R nr Cisco 2 | | | | | | | | | | | |
| | APR-JUL | 2700 | 3100 | 3390 | 90% | 3690 | 4170 | 3750 | | | |
| | MAY-JUL | 2230 | 2630 | 2920 | 91% | 3220 | 3700 | 3220 | | | |
| Mill Ck at Sheley Tunne | l nr Moab | | | | | | | | | | |
| | APR-JUL | 1.94 | 2.5 | 3 | 91% | 3.5 | 4.4 | 3.3 | | | |
| | MAY-JUL | 1.17 | 1.74 | 2.2 | 79% | 2.7 | 3.6 | 2.8 | | | |
| South Ck ab Resv nr Mo | onticello | | | | | | | | | | |
| | APR-JUL | 0.18 | 0.24 | 0.3 | 73% | 0.38 | 0.52 | 0.41 | | | |
| | MAY-JUL | 0.07 | 0.14 | 0.2 | 77% | 0.27 | 0.41 | 0.26 | | | |

^{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

| | | F | Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast | | | | | | | | |
|-----------------------|--------------------|--------------|--|--------------|----------|--------------|--------------|----------------------|--|--|--|
| Dirty Devil | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Median | 30% (KAF) | 10% (KAF) | 30yr Median (KAF) | | | |
| Muddy Ck nr Emery | | | | | | | | | | | |
| | APR-JUL | 9.3 | 11.7 | 13.5 | 83% | 15.4 | 18.6 | 16.3 | | | |
| | MAY-JUL | 7.9 | 10.3 | 12.1 | 81% | 14 | 17.2 | 14.9 | | | |
| Seven Mile Ck nr Fish | Lake | | | | | | | | | | |
| | APR-JUL | 4.1 | 4.1 4.8 5.3 87% 5.8 6.7 | | | | | | | | |
| | MAY-JUL | 3.1 | 3.8 | 4.3 | 84% | 4.8 | 5.7 | 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 | | | | | | |
|--------------------|--------------------|--|--------------|--------------|----------|--------------|--------------|----------------------|
| Beaver | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Median | 30% (KAF) | 10% (KAF) | 30yr Median (KAF) |
| Beaver R nr Beaver | | | | | | | | |
| | APR-JUL | 17.7 | 21 | 23 | 132% | 26 | 30 | 17.4 |
| | MAY-JUL | 13.5 | 16.3 | 18.8 | 122% | 22 | 26 | 15.4 |

^{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

| | | F | Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast | | | | | | | | | |
|-------------------------|--------------------|--------------|--|--------------|----------|--------------|--------------|----------------------|--|--|--|--|
| Southwestern Utah | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Median | 30% (KAF) | 10% (KAF) | 30yr Median (KAF) | | | | |
| Santa Clara R nr Pine V | /alley | | | | | | | | | | | |
| | APR-JUL | 1.75 | 2.6 | 3.3 | 103% | 4 | 5.1 | 3.2 | | | | |
| | MAY-JUL | 0.46 | 1.31 | 2 | 87% | 2.7 | 3.8 | 2.3 | | | | |
| Coal Ck nr Cedar City | | | | | | | | | | | | |
| | APR-JUL | 10.8 | 12.8 | 14.3 | 114% | 16.2 | 18.8 | 12.5 | | | | |
| | MAY-JUL | 5.8 | 7.8 | 9.3 | 104% | 11.2 | 13.8 | 8.9 | | | | |
| Virgin R at Virgin | | | | | | | | | | | | |
| | APR-JUL | 30 | 36 | 40 | 111% | 44 | 50 | 36 | | | | |
| | MAY-JUL | 13.8 | 19.8 | 24 | 109% | 28 | 34 | 22 | | | | |
| Virgin R nr Hurricane | | | | | | | | | | | | |
| - | APR-JUL | 22 | 29 | 33 | 106% | 38 | 46 | 31 | | | | |
| | MAY-JUL | 7.6 | 14.6 | 18.6 | 101% | 24 | 32 | 18.5 | | | | |

^{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 | | | | | | |
|----------------------|--------------------|--|--------------|--------------|----------|--------------|--------------|----------------------|
| Escalante-Paria | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Median | 30% (KAF) | 10% (KAF) | 30yr Median (KAF) |
| Pine Ck nr Escalante | | | | | | | | |
| | APR-JUL | 1.19 | 1.61 | 1.94 | 119% | 2.3 | 2.9 | 1.63 |
| | MAY-JUL | 0.85 | 1.27 | 1.6 | 144% | 1.97 | 2.6 | 1.11 |

^{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

| | [| F | | | abilities For Ris ume will exceed | | ent | | | | |
|-----------------------|--------------------|--------------|--------------|--------------|--------------------------------------|--------------|--------------|----------------------|--|--|--|
| Great Salt Lake | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Median | 30% (KAF) | 10% (KAF) | 30yr Median (KAF) | | | |
| Bear R bl Stewart Dam | 1 | | | | | | | | | | |
| | APR-JUL | 107 | 151 | 180 | 157% | 210 | 250 | 115 | | | |
| | APR-SEP | 116 | 164 | 197 | 161% | 230 | 275 | 122 | | | |
| | MAY-JUL | 55 | 99 | 129 | 140% | 159 | 200 | 92 | | | |
| | MAY-SEP | 64 | 112 | 146 | 135% | 179 | 225 | 108 | | | |
| Smiths Fk nr Border | | | | | | | | | | | |
| | APR-JUL | 64 | 73 | 80 | 93% | 87 | 98 | 86 | | | |

| | APR-SEP MAY-JUL | 75 52 | 84 61 | 92 68 | 92% 91% | 100 75 | 113 86 | 100 75 | |
|------------------------------------|--------------------|-------------|------------|------------|--------------|------------|------------|------------|--|
| Parleys Ck nr SLC | MAY-SEP | 63 | 72 | 80 | 89% | 88 | 101 | 90 | |
| • | APR-JUL | 7.9 | 10.4 | 12.1 | 139% | 13.8 | 16.2 | 8.7 | |
| Weber R at Gateway ¹ | MAY-JUL | 4.5 | 6.2 | 7.4 | 116% | 8.9 | 12 | 6.4 | |
| Weber II at Gateway | APR-JUL | 285 | 320 | 355 | 173% | 390 | 450 | 205 | |
| 4 | MAY-JUL | 157 | 194 | 230 | 150% | 265 | 325 | 153 | |
| Provo R at Woodland ¹ | APR-JUL | 94 | 107 | 118 | 139% | 129 | 148 | 85 | |
| | MAY-JUL | 94 77 | 90 | 101 | 135% | 112 | 131 | 65 75 | |
| American Fk ab Upper F | | | | | | | | | |
| | APR-JUL | 21 | 25 | 29 25 | 151% | 32 | 38 | 19.2 | |
| Pineview Reservoir Inflo | MAY-JUL | 16.3 | 21 | 25 | 147% | 28 | 34 | 17 | |
| T IIIOVIOW TROOFFVOIL IIIIIO | APR-JUL | 114 | 135 | 150 | 190% | 164 | 191 | 79 | |
| | MAY-JUL | 48 | 69 | 84 | 171% | 98 | 125 | 49 | |
| Salt Ck at Nephi | APR-JUL | 5.9 | 7.6 | 8.7 | 185% | 9.9 | 11.6 | 4.7 | |
| | MAY-JUL | 3.9 | 5.6 | 6.7 | 186% | 7.9 | 9.6 | 3.6 | |
| Big Cottonwood Ck nr S | | | 0 = | 22 | 40.45 | 40 | | | |
| | APR-JUL MAY-JUL | 32 26 | 35 29 | 39 33 | 134% 132% | 42 36 | 47 41 | 29 25 | |
| Provo R at Hailstone ¹ | WIAT OOL | 20 | 25 | 00 | 102 /0 | 00 | 71 | 25 | |
| | APR-JUL | 93 | 113 | 126 | 152% | 140 | 160 | 83 | |
| Dia Ck nr Dandalah | MAY-JUL | 70 | 90 | 103 | 143% | 117 | 137 | 72 | |
| Big Ck nr Randolph | APR-JUL | 2.8 | 3.8 | 4.8 | 150% | 5.9 | 8.1 | 3.2 | |
| | MAY-JUL | 1.8 | 2.8 | 3.8 | 152% | 4.9 | 7.1 | 2.5 | |
| Dunn Ck nr Park Valley | APR-JUL | 3.2 | 3.8 | 4.3 | 179% | 4.8 | 5.7 | 2.4 | |
| | MAY-JUL | 2.3 | 3.6 2.9 | 4.3 3.4 | 162% | 4.6 3.9 | 4.8 | 2.4 | |
| East Canyon Ck nr Jere | my Ranch | | | | | | | | |
| | APR-JUL MAY-JUL | 12.3 5.2 | 15.1 | 17 | 179% | 18.8 | 22 | 9.5 | |
| S Willow Ck nr Grantsvi | | 5.2 | 8 | 9.8 | 153% | 11.7 | 14.4 | 6.4 | |
| | APR-JUL | 2.9 | 3.3 | 3.5 | 140% | 3.8 | 4.1 | 2.5 | |
| 050 5 1 1 | MAY-JUL | 2.1 | 2.5 | 2.7 | 123% | 3 | 3.3 | 2.2 | |
| SF Ogden R nr Huntsvil | le: APR-JUL | 55 | 61 | 65 | 159% | 71 | 80 | 41 | |
| | MAY-JUL | 27 | 33 | 37 | 128% | 43 | 52 | 29 | |
| Echo Reservoir Inflow ¹ | | | | | | | | | |
| | APR-JUL MAY-JUL | 127 83 | 149 105 | 168 124 | 140% 123% | 187 143 | 220 178 | 120 101 | |
| Vernon Ck nr Vernon | WIAT OOL | 00 | 100 | 127 | 12070 | 140 | 170 | 101 | |
| | APR-JUL | 0.4 | 0.66 | 0.83 | 112% | 1.01 | 1.27 | 0.74 | |
| Dell Fk nr SLC | MAY-JUL | 0.21 | 0.47 | 0.64 | 123% | 0.82 | 1.08 | 0.52 | |
| Dell'I K III OLO | APR-JUL | 4.3 | 5 | 5.4 | 150% | 5.9 | 6.6 | 3.6 | |
| | MAY-JUL | 2.1 | 2.8 | 3.2 | 100% | 3.7 | 4.4 | 3.2 | |
| Little Bear at Paradise | APR-JUL | 40 | 45 | 50 | 179% | 55 | 64 | 28 | |
| | MAY-JUL | 18.3 | 23 | 28 | 151% | 33 | 42 | 18.6 | |
| Weber R nr Oakley ¹ | | | | | | | | | |
| | APR-JUL | 102 | 113 | 122 | 126% | 130 | 144 | 97 80 | |
| Little Cottonwood Ck nr | MAY-JUL SLC | 84 | 95 | 104 | 117% | 112 | 126 | 89 | |
| 23 | APR-JUL | 33 | 36 | 38 | 123% | 40 | 43 | 31 | |
| W Convon Ok as Oad- | MAY-JUL | 29 | 32 | 34 | 117% | 36 | 39 | 29 | |
| W Canyon Ck nr Cedar | APR-JUL | 1.04 | 1.65 | 2.1 | 221% | 2.4 | 3 | 0.95 | |
| | MAY-JUL | 0.82 | 1.43 | 1.84 | 211% | 2.2 | 2.8 | 0.87 | |
| | | | | | | | | | |

| مالنج المحاد | | | | | | | | |
|--|--------------|------------------|------|------|-------|------|----------|------|
| Chalk Ck at Coalville | ADD 1111 | 00 | 00 | 40 | 1050/ | 50 | 50 | 00 |
| | APR-JUL | 26 | 36 | 43 | 165% | 50 | 59 40 | 26 |
| 0 | MAY-JUL | 13.6 | 23 | 30 | 136% | 37 | 46 | 22 |
| Spanish Fk at Castilla ¹ | 4 D.D. II II | 4.4 | 50 | 50 | 1000/ | 0.4 | 70 | 00 |
| | APR-JUL | 44 | 52 | 58 | 193% | 64 | 73 | 30 |
| 0 10 11 1 1 1 | MAY-JUL | 21 | 29 | 35 | 152% | 41 | 50 | 23 |
| Great Salt Lake Inflow | | 0.45 | 105 | ==0 | 4000/ | 075 | 0== | 005 |
| | MAY-JUL | 245 | 425 | 550 | 180% | 675 | 855 | 305 |
| East Canyon Ck nr Morg | | | | | | | | |
| | APR-JUL | 22 | 26 | 29 | 161% | 32 | 37 | 18 |
| | MAY-JUL | 9.2 | 13.5 | 16.5 | 120% | 19.5 | 24 | 13.7 |
| Emigration Ck nr SLC | | | | | | | | |
| | APR-JUL | 2.6 | 3.3 | 3.9 | 170% | 4.6 | 5.9 | 2.3 |
| | MAY-JUL | 0.96 | 1.61 | 2.2 | 149% | 2.9 | 4.2 | 1.48 |
| Rockport Reservoir Inflo | | | | | | | | |
| | APR-JUL | 99 | 120 | 135 | 155% | 149 | 171 | 87 |
| | MAY-JUL | 74 | 95 | 110 | 151% | 124 | 146 | 73 |
| Mill Ck nr SLC | | | | | | | | |
| | APR-JUL | 5 | 6 | 6.7 | 156% | 7.4 | 8.4 | 4.3 |
| | MAY-JUL | 4.1 | 5.1 | 5.8 | 161% | 6.5 | 7.5 | 3.6 |
| City Ck nr SLC | | | | | | | | |
| | APR-JUL | 5.5 | 6.2 | 6.8 | 128% | 7.4 | 8.2 | 5.3 |
| | MAY-JUL | 4.2 | 4.9 | 5.5 | 122% | 6.1 | 6.9 | 4.5 |
| Provo R bl Deer Ck Dam | 1 | | | | | | | |
| | APR-JUL | 95 | 116 | 133 | 118% | 154 | 193 | 113 |
| | MAY-JUL | 63 | 84 | 101 | 104% | 122 | 161 | 97 |
| Bear R nr UT-WY State I | Line | | | | | | | |
| | APR-JUL | 89 | 102 | 111 | 110% | 120 | 136 | 101 |
| | APR-SEP | 99 | 113 | 122 | 107% | 132 | 149 | 114 |
| | MAY-JUL | 77 | 90 | 99 | 102% | 108 | 124 | 97 |
| | MAY-SEP | 87 | 101 | 110 | 102% | 120 | 137 | 108 |
| Lost Ck Reservoir Inflow | 1 | | | | | | | |
| | APR-JUL | 12.5 | 13.9 | 15.1 | 159% | 16.3 | 18.3 | 9.5 |
| | MAY-JUL | 5.2 | 6.6 | 7.8 | 118% | 9 | 11 | 6.6 |
| Bear R ab Resv nr Wood | druff | | | | | | | |
| | APR-JUL | 86 | 106 | 121 | 132% | 137 | 169 | 92 |
| | APR-SEP | 87 | 108 | 127 | 128% | 146 | 171 | 99 |
| | MAY-JUL | 51 | 71 | 86 | 108% | 102 | 134 | 80 |
| | MAY-SEP | 52 | 73 | 92 | 108% | 111 | 136 | 85 |
| Lehman Ck nr Baker | | | | | | | | |
| | | | | | | | | |
| Logan R nr Logan ¹ | | | | | | | | |
| | APR-JUL | 109 | 119 | 127 | 140% | 136 | 151 | 91 |
| | MAY-JUL | 86 | 96 | 104 | 133% | 113 | 128 | 78 |
| Blacksmith Fk nr Hyrum | | | | | | | | |
| • | APR-JUL | 38 | 42 | 45 | 155% | 48 | 53 | 29 |
| | MAY-JUL | 20 | 24 | 27 | 129% | 30 | 35 | 21 |
| Utah Lake Inflow ¹ | | | | | | | | |
| | | | | | | | | |
| | MAY-JUL | -6.5 | 71 | 124 | 102% | 177 | 255 | 122 |
| Weber R nr Coalville ¹ | | - · - | - | | | - | | |
| | APR-JUL | 100 | 117 | 132 | 142% | 147 | 176 | 93 |
| | MAY-JUL | 69 | 86 | 101 | 131% | 116 | 145 | 77 |
| | .717 t. OOL | | | 101 | 10170 | | 1 10 | , , |

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

| State of Utah | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Median | 30% (KAF) | 10% (KAF) | 30yr Median (KAF) |
|------------------------------------|--------------------|--------------|--------------|----------------|----------------------|-----------------|-----------------|----------------------|
| Bear R bl Stewart Dam ¹ | | | | | | | | |
| | APR-JUL | 107 | 151 | 180 | 157% | 210 | 250 | 115 |
| | APR-SEP | 116 | 164 | 197 | 161% | 230 | 275 | 122 |
| | MAY-JUL | 55 | 99 | 129 | 140% | 159 | 200 | 92 |
| | MAY-SEP | 64 | 112 | 146 | 135% | 179 | 225 | 108 |
| Smiths Fk nr Border | | | | | | | | |
| | APR-JUL | 64 | 73 | 80 | 93% | 87 | 98 | 86 |
| | APR-SEP | 75 | 84 | 92 | 92% | 100 | 113 | 100 |
| | MAY-JUL | 52 | 61 | 68 | 91% | 75 | 86 | 75 |
| | MAY-SEP | 63 | 72 | 80 | 89% | 88 | 101 | 90 |
| Pine Ck nr Escalante | ADD 1111 | 4.40 | 4.04 | 4.04 | 1100/ | 0.0 | 0.0 | 4.00 |
| | APR-JUL | 1.19 | 1.61 | 1.94 | 119% | 2.3 | 2.9 | 1.63 |
| | MAY-JUL | 0.85 | 1.27 | 1.6 | 144% | 1.97 | 2.6 | 1.11 |
| Pineview Reservoir Inflo | | | 405 | 450 | 1000/ | 404 | 404 | |
| | APR-JUL | 114 | 135 | 150 | 190% | 164 | 191 | 79 |
| | MAY-JUL | 48 | 69 | 84 | 171% | 98 | 125 | 49 |
| South Ck ab Resv nr Mo | | 0.40 | 0.04 | 0.0 | 700/ | 0.00 | 0.50 | 0.44 |
| | APR-JUL | 0.18 | 0.24 | 0.3 | 73% | 0.38 | 0.52 | 0.41 |
| Nhita D bi Table | MAY-JUL | 0.07 | 0.14 | 0.2 | 77% | 0.27 | 0.41 | 0.26 |
| White R bl Tabbyune Cr | | 10.6 | 117 | 16.0 | 0050/ | 17.0 | 00 | 7.0 |
| | APR-JUL MAY-JUL | 12.6 | 14.7 8.5 | 16.2 | 225% | 17.9 | 20 | 7.2 5.1 |
| Big Ck nr Randolph | IVIA Y-JUL | 6.4 | 0.5 | 10 | 196% | 11.7 | 14.3 | 5.1 |
| sig Ck nir Handolph | APR-JUL | 2.8 | 3.8 | 4.8 | 150% | 5.9 | 8.1 | 3.2 |
| | MAY-JUL | 1.8 | 2.8 | 3.8 | 152% | 4.9 | 7.1 | 2.5 |
| Big Brush Ck ab Red Fle | | 1.0 | 2.0 | 3.0 | 13276 | 4.9 | 7.1 | 2.5 |
| ald pingli ok an uen Lie | APR-JUL | 9 | 11.9 | 14 | 71% | 16 | 19 | 19.7 |
| | MAY-JUL | 6.9 | 9.9 | 11.9 | 71% | 13.9 | 16.9 | 16.7 |
| Duchesne R nr Tabiona | 2 | 0.5 | 5.5 | 11.5 | 7 1 70 | 10.5 | 10.3 | 10.7 |
| Judiesile n ili Tabiolia | APR-JUL | 85 | 97 | 105 | 121% | 113 | 127 | 87 |
| | MAY-JUL | 70 | 82 | 90 | 117% | 99 | 112 | 77 |
| /ernon Ck nr Vernon | IVIA 1-JUL | 70 | 02 | 90 | 117/0 | 99 | 112 | 11 |
| remon ok ili vemon | APR-JUL | 0.4 | 0.66 | 0.83 | 112% | 1.01 | 1.27 | 0.74 |
| | MAY-JUL | 0.4 | 0.47 | 0.64 | 123% | 0.82 | 1.08 | 0.52 |
| Green R at Green River, | | 0.21 | 0.47 | 0.04 | 120 /6 | 0.02 | 1.00 | 0.52 |
| aleen n at Gleen nivel, | APR-JUL | 1950 | 2290 | 2540 | 97% | 2810 | 3230 | 2610 |
| | MAY-JUL | 1510 | 1850 | 2100 | 95% | 2370 | 2790 | 2210 |
| Oveleens Deb Krisht F | | 1310 | 1000 | 2100 | 95% | 2370 | 2790 | 2210 |
| Ouchesne R ab Knight D | APR-JUL | 150 | 173 | 105 | 1140/ | 100 | 015 | 162 |
| | | 156 | | 185 169 | 114% | 198 | 215 | |
| Seven Mile Ck nr Fish La | MAY-JUL | 138 | 156 | 168 | 114% | 181 | 200 | 148 |
| DEVELLINING ON III FISH L | ake APR-JUL | 4.1 | 4.8 | 5.3 | 87% | 5.8 | 6.7 | 6.1 |
| | MAY-JUL | 4.1 3.1 | 4.0 3.8 | 5.3 4.3 | 84% | 5.6 4.8 | 5.7 | 5.1 |
| Blacks Fk nr Robertson | WIA I TOOL | J. I | 0.0 | ٠.٠ | U T /0 | 7.0 | 5.7 | J. 1 |
| PIGORO EN HILLIONGERSON | APR-JUL | 63 | 74 | 82 | 90% | 90 | 102 | 91 |
| | MAY-JUL | 56 | 67 | 75 | 88% | 83 | 94 | 85 |
| Mill Ck nr SLC | IVII (I UUL | 50 | 07 | , 5 | 00 /0 | 00 | J- T | 00 |
| 5 520 | APR-JUL | 5 | 6 | 6.7 | 156% | 7.4 | 8.4 | 4.3 |
| | MAY-JUL | 4.1 | 5.1 | 5.8 | 161% | 6.5 | 7.5 | 3.6 |
| Sevier R at Hatch | | | 0.1 | 0.0 | 70170 | 5.0 | 7.0 | 0.0 |
| | APR-JUL | 25 | 30 | 35 | 103% | 38 | 45 | 34 |
| | MAY-JUL | 16.2 | 21 | 26 | 90% | 29 | 36 | 29 |
| Bear R ab Resv nr Wood | | | | 0 | 23,0 | | | |
| | APR-JUL | 86 | 106 | 121 | 132% | 137 | 169 | 92 |
| | APR-SEP | 87 | 108 | 127 | 128% | 146 | 171 | 99 |
| | | 51 | 71 | 86 | 108% | 102 | 134 | 80 |
| | MAY-JUII | | | | . 55 / 5 | | | |
| | MAY-JUL MAY-SEP | | | 92 | 108% | 111 | 136 | 85 |
| Blacksmith Fk nr Hyrum | MAY-SEP | 52 | 73 | 92 | 108% | 111 | 136 | 85 |
| Blacksmith Fk nr Hyrum | MAY-SEP | 52 | 73 | | | | | |
| Blacksmith Fk nr Hyrum | MAY-SEP | | | 92 45 27 | 108% 155% 129% | 111 48 30 | 136 53 35 | 85 29 21 |

| 2 | APR-JUL | 7.9 | 10.4 | 12.1 | 139% | 13.8 | 16.2 | 8.7 |
|----------------------------------|--|------------|------------|------------|--------------|----------|------------|------------|
| | MAY-JUL | 4.5 | 6.2 | 7.4 | 116% | 8.9 | 12 | 6.4 |
| Colorado R nr Cisco ² | APR-JUL | 2700 | 3100 | 3390 | 90% | 3690 | 4170 | 3750 |
| | MAY-JUL | 2230 | 2630 | 2920 | 91% | 3220 | 3700 | 3220 |
| Mammoth Ck nr Hatch | APR-JUL | 15.3 | 18.6 | 21 | 107% | 24 | 30 | 19.7 |
| | MAY-JUL | 12.1 | 15.4 | 18.2 | 100% | 21 | 27 | 18.2 |
| Coal Ck nr Cedar City | APR-JUL | 10.8 | 12.8 | 14.3 | 114% | 16.2 | 18.8 | 12.5 |
| Strawberry R nr Duches | | 5.8 | 7.8 | 9.3 | 104% | 11.2 | 13.8 | 8.9 |
| Dunn Ck nr Park Valley | APR-JUL | 88 | 100 | 109 | 206% | 119 | 135 | 53 |
| | MAY-JUL | 58 | 71 | 80 | 216% | 90 | 105 | 37 |
| CE Ondon Dan Hunton | APR-JUL | 3.2 | 3.8 | 4.3 | 179% | 4.8 | 5.7 | 2.4 |
| | MAY-JUL | 2.3 | 2.9 | 3.4 | 162% | 3.9 | 4.8 | 2.1 |
| SF Ogden R nr Huntsvil | APR-JUL | 55 | 61 | 65 | 159% | 71 | 80 | 41 |
| | MAY-JUL | 27 | 33 | 37 | 128% | 43 | 52 | 29 |
| Virgin R at Virgin | APR-JUL | 30 | 36 | 40 | 111% | 44 | 50 | 36 |
| Beaver R nr Beaver | MAY-JUL | 13.8 | 19.8 | 24 | 109% | 28 | 34 | 22 |
| | APR-JUL | 17.7 | 21 | 23 | 132% | 26 | 30 | 17.4 |
| Little Bear at Paradise | MAY-JUL APR-JUL | 13.5 40 | 16.3 45 | 18.8 | 122% 179% | 22 | 26 64 | 15.4 28 |
| Upper Stillwater Reserv | MAY-JUL | 18.3 | 23 | 50 28 | 151% | 55 33 | 42 | 18.6 |
| | APR-JUL | 63 | 69 | 74 | 109% | 78 | 85 | 68 |
| | MAY-JUL | 54 | 60 | 65 | 98% | 70 | 77 | 66 |
| Sevier R nr Gunnison | APR-JUL | 26 | 36 | 45 | 150% | 54 | 67 | 30 |
| | MAY-JUL | 7.7 | 18 | 27 | 123% | 36 | 49 | 22 |
| Joes Valley Reservoir Ir | APR-JUL | 41 | 46 | 50 | 114% | 54 | 60 | 44 |
| East Canyon Ck nr Mor | MAY-JUL gan ¹ APR-JUL | 37 22 | 42 26 | 46 29 | 112% 161% | 50 32 | 56 37 | 41 18 |
| Virgin R nr Hurricane | MAY-JUL | 9.2 | 13.5 | 16.5 | 120% | 19.5 | 24 | 13.7 |
| WF Duchesne R at VAT | APR-JUL | 22 | 29 | 33 | 106% | 38 | 46 | 31 |
| | MAY-JUL | 7.6 | 14.6 | 18.6 | 101% | 24 | 32 | 18.5 |
| | APR-JUL | 14.7 | 16.7 | 18.2 | 126% | 19.7 | 22 | 14.5 |
| | MAY-JUL | 13.5 | 15.5 | 17 | 125% | 18.5 | 21 | 13.6 |
| City Ck nr SLC | APR-JUL | 5.5 | 6.2 | 6.8 | 128% | 7.4 | 8.2 | 5.3 |
| | MAY-JUL | 4.2 | 4.9 | 5.5 | 122% | 6.1 | 6.9 | 4.5 |
| Provo R bl Deer Ck Dar | | 95 | 116 | 133 | 118% | 154 | 193 | 113 |
| Santa Clara R nr Pine V | MAY-JUL /alley APR-JUL | 63 1.75 | 84 2.6 | 101 3.3 | 104% 103% | 122 4 | 161 5.1 | 97 3.2 |
| Duchesne R nr Randleti | MAY-JUL | 0.46 | 1.31 | 2 | 87% | 2.7 | 3.8 | 2.3 |
| Yellowstone R nr Altona | APR-JUL | 235 | 285 | 320 | 125% | 360 | 420 | 255 |
| | MAY-JUL | 182 | 230 | 265 | 118% | 305 | 365 | 225 |
| TOHOWSTONE IT HE AROUS | APR-JUL | 41 | 49 | 54 | 96% | 60 | 70 | 56 |
| | MAY-JUL | 36 | 43 | 49 | 91% | 55 | 64 | 54 |

| Muddy Ck nr Emery | | | | | | | | | |
|-------------------------------------|----------------|-----------------|---------|----------|--------|----------|--------------|-------------|--|
| Maday OK III Emery | APR-JUL | 9.3 | 11.7 | 13.5 | 83% | 15.4 | 18.6 | 16.3 | |
| | MAY-JUL | 7.9 | 10.3 | 12.1 | 81% | 14 | 17.2 | 14.9 | |
| Strawberry R nr Soldier | | 7.5 | 10.0 | 12.1 | 0170 | 14 | 17.2 | 14.5 | |
| Strawberry half Soluter | APR-JUL | 52 | 61 | 68 | 189% | 76 | 87 | 36 | |
| | | 34 | 43 | 50 | 185% | 76 57 | 69 | 27 | |
| W.J D . I O.J 1 | MAY-JUL | 34 | 43 | 50 | 100% | 5/ | 69 | 21 | |
| Weber R at Gateway ¹ | ADD IIII | 005 | 000 | 055 | 1700/ | 000 | 450 | 005 | |
| | APR-JUL | 285 | 320 | 355 | 173% | 390 | 450 | 205 | |
| Olasa Olask Diagrafia | MAY-JUL | 157 | 194 | 230 | 150% | 265 | 325 | 153 | |
| Clear Ck ab Diversions | | 10.0 | 447 | 40.5 | 1010/ | 40.0 | 00 | 40.0 | |
| | APR-JUL | 12.6 | 14.7 | 16.5 | 121% | 18.3 | 22 | 13.6 | |
| 4 | MAY-JUL | 7.5 | 9.6 | 11.4 | 105% | 13.2 | 16.7 | 10.9 | |
| Provo R at Hailstone ¹ | | | | | | | | | |
| | APR-JUL | 93 | 113 | 126 | 152% | 140 | 160 | 83 | |
| | MAY-JUL | 70 | 90 | 103 | 143% | 117 | 137 | 72 | |
| Uinta R bl Powerplant D | | | | | | | | | |
| | APR-JUL | 40 | 50 | 58 | 91% | 66 | 80 | 64 | |
| | MAY-JUL | 36 | 46 | 54 | 89% | 62 | 76 | 61 | |
| Duchesne R at Myton ² | | | | | | | | | |
| • | APR-JUL | 225 | 265 | 290 | 135% | 320 | 365 | 215 | |
| | MAY-JUL | 171 | 210 | 235 | 122% | 265 | 310 | 193 | |
| EF Sevier R nr Kingstor | า ¹ | | | | | | | | |
| 3-1-1 | APR-JUL | 1.04 | 9.1 | 14.6 | 109% | 20 | 28 | 13.4 | |
| | MAY-JUL | -3 | 5.1 | 10.6 | 129% | 16 | 24 | 8.2 | |
| Dell Fk nr SLC | | • | | | 0,0 | . • | | 5. _ | |
| 20 | APR-JUL | 4.3 | 5 | 5.4 | 150% | 5.9 | 6.6 | 3.6 | |
| | MAY-JUL | 2.1 | 2.8 | 3.2 | 100% | 3.7 | 4.4 | 3.2 | |
| Little Cottonwood Ck nr | | | 2.0 | 0.2 | 10070 | 0.7 | | 0.2 | |
| Entilo Contonwood Civin | APR-JUL | 33 | 36 | 38 | 123% | 40 | 43 | 31 | |
| | MAY-JUL | 29 | 32 | 34 | 117% | 36 | 39 | 29 | |
| Chalk Ck at Coalville | WITT OOL | 20 | 02 | 04 | 117 /0 | 00 | 00 | 20 | |
| Chair Or at Coalville | APR-JUL | 26 | 36 | 43 | 165% | 50 | 59 | 26 | |
| | MAY-JUL | 13.6 | 23 | 30 | 136% | 37 | 46 | 22 | |
| Chaniah Ek at Castilla | WIAT OOL | 10.0 | 20 | 00 | 10070 | 07 | 40 | | |
| Spanish Fk at Castilla ¹ | APR-JUL | 4.4 | E0 | EO | 1020/ | 64 | 70 | 20 | |
| | | 44 | 52 | 58 25 | 193% | 64 | 73 50 | 30 | |
| Appley Clary Vernel | MAY-JUL | 21 | 29 | 35 | 152% | 41 | 50 | 23 | |
| Ashley Ck nr Vernal | ADD IIII | 20 | 00 | 22 | 770/ | 20 | 45 | 40 | |
| | APR-JUL | 20 | 28 | 33 | 77% | 38 | 45 40 | 43 | |
| Emigration Olympics | MAY-JUL | 16.3 | 24 | 29 | 69% | 34 | 42 | 42 | |
| Emigration Ck nr SLC | ADD 1111 | 0.0 | 0.0 | 0.0 | 1700/ | 4.0 | 5 0 | 0.0 | |
| | APR-JUL | 2.6 | 3.3 | 3.9 | 170% | 4.6 | 5.9 | 2.3 | |
| Mileitanaalaa Daga Mileitan | MAY-JUL | 0.96 | 1.61 | 2.2 | 149% | 2.9 | 4.2 | 1.48 | |
| Whiterocks R nr Whiter | | 00 | 00 | 0.7 | 000/ | 40 | 50 | 40 | |
| | APR-JUL | 26 | 32 | 37 | 86% | 42 | 50 | 43 | |
| | MAY-JUL | 23 | 29 | 34 | 83% | 39 | 47 | 41 | |
| Rockport Reservoir Inflo | | | | | | | | | |
| | APR-JUL | 99 | 120 | 135 | 155% | 149 | 171 | 87 | |
| | MAY-JUL | 74 | 95 | 110 | 151% | 124 | 146 | 73 | |
| Weber R nr Oakley ¹ | | | | | | | | | |
| | APR-JUL | 102 | 113 | 122 | 126% | 130 | 144 | 97 | |
| | MAY-JUL | 84 | 95 | 104 | 117% | 112 | 126 | 89 | |
| Weber R nr Coalville ¹ | | | | | | | | | |
| | APR-JUL | 100 | 117 | 132 | 142% | 147 | 176 | 93 | |
| | MAY-JUL | 69 | 86 | 101 | 131% | 116 | 145 | 77 | |
| Electric Lake Inflow 2 | | | | | | | | | |
| | APR-JUL | 11.8 | 13.3 | 14.3 | 172% | 15.4 | 17.1 | 8.3 | |
| | MAY-JUL | 10.1 | 11.6 | 12.6 | 173% | 13.7 | 15.4 | 7.3 | |
| Salina Ck nr Emery | | . • | 3 | 3 | 1.0,0 | | | | |
| | APR-JUL | 3.6 | 4.5 | 5.1 | 91% | 5.7 | 6.6 | 5.6 | |
| | MAY-JUL | 2.6 | 3.5 | 4.1 | 84% | 4.7 | 5.6 | 4.9 | |
| Huntington Ck nr Huntin | | · - | | | / - | | - | | |
| Transmigron Ok III Traffill | APR-JUL | 34 | 37 | 40 | 111% | 43 | 47 | 36 | |
| | ALLEUUL | J -1 | 31 | 40 | 111/0 | 40 | 47 | 30 | |

| | MAY-JUL | 29 | 32 | 35 | 103% | 38 | 42 | 34 |
|------------------------------------|-------------------|-----------------|------|------|--------|------|------|------|
| Lake Fk R bl Moon Lk n | r Mountain Hoi | me ² | | | | | | |
| | APR-JUL | 46 | 52 | 57 | 100% | 61 | 69 | 57 |
| | MAY-JUL | 40 | 47 | 51 | 94% | 56 | 63 | 54 |
| Provo R at Woodland ¹ | | | | | | | | |
| r rovo rr ar vvocarana | APR-JUL | 94 | 107 | 118 | 139% | 129 | 148 | 85 |
| | MAY-JUL | 77 | 90 | 101 | 135% | 112 | 131 | 75 |
| Ferron Ck (Upper Statio | | 7.7 | 30 | 101 | 10070 | 112 | 101 | 73 |
| r errorr ok (opper otatio | APR-JUL | 27 | 31 | 33 | 103% | 35 | 39 | 32 |
| | MAY-JUL | 24 | 28 | 30 | 103% | 32 | 36 | 29 |
| American Ek ah Upper E | | 24 | 20 | 30 | 103 /6 | 32 | 30 | 23 |
| American Fk ab Upper F | APR-JUL | 21 | 25 | 29 | 151% | 32 | 38 | 19.2 |
| | | | | | | | | |
| Calt Olyat Nambi | MAY-JUL | 16.3 | 21 | 25 | 147% | 28 | 34 | 17 |
| Salt Ck at Nephi | ADD 1111 | 5 0 | 7.0 | 0.7 | 1050/ | 0.0 | 44.0 | 4 7 |
| | APR-JUL | 5.9 | 7.6 | 8.7 | 185% | 9.9 | 11.6 | 4.7 |
| | MAY-JUL | 3.9 | 5.6 | 6.7 | 186% | 7.9 | 9.6 | 3.6 |
| Rock Ck nr Mountain Ho | | | | | | | | |
| | APR-JUL | 73 | 81 | 86 | 110% | 91 | 100 | 78 |
| | MAY-JUL | 62 | 70 | 75 | 101% | 81 | 89 | 74 |
| Stateline Reservoir Inflo | w^2 | | | | | | | |
| | APR-JUL | 17.6 | 21 | 24 | 92% | 27 | 31 | 26 |
| | MAY-JUL | 15.6 | 19.3 | 22 | 88% | 25 | 29 | 25 |
| Big Cottonwood Ck nr S | | | | | 3373 | _0 | | |
| Dig Collonwood Chin C | APR-JUL | 32 | 35 | 39 | 134% | 42 | 47 | 29 |
| | MAY-JUL | 26 | 29 | 33 | 132% | 36 | 41 | 25 |
| Floreing Cours Decembe | | 20 | 23 | 33 | 102 /6 | 30 | 71 | 25 |
| Flaming Gorge Reservo | | E 4 E | 000 | 705 | 000/ | 010 | 1100 | 000 |
| | APR-JUL | 545 | 690 | 795 | 80% | 910 | 1100 | 990 |
| F . O . O | MAY-JUL | 415 | 560 | 665 | 76% | 780 | 970 | 880 |
| East Canyon Ck nr Jere | • | 40.0 | | | 4700/ | 40.0 | 00 | ٥- |
| | APR-JUL | 12.3 | 15.1 | 17 | 179% | 18.8 | 22 | 9.5 |
| | MAY-JUL | 5.2 | 8 | 9.8 | 153% | 11.7 | 14.4 | 6.4 |
| S Willow Ck nr Grantsvi | | | | | | | | |
| | APR-JUL | 2.9 | 3.3 | 3.5 | 140% | 3.8 | 4.1 | 2.5 |
| | MAY-JUL | 2.1 | 2.5 | 2.7 | 123% | 3 | 3.3 | 2.2 |
| Echo Reservoir Inflow ¹ | | | | | | | | |
| | APR-JUL | 127 | 149 | 168 | 140% | 187 | 220 | 120 |
| | MAY-JUL | 83 | 105 | 124 | 123% | 143 | 178 | 101 |
| Sevier R nr Kingston | | | | | | | | |
| J | APR-JUL | 14.9 | 19.4 | 22 | 150% | 26 | 33 | 14.7 |
| | MAY-JUL | 0.61 | 5.1 | 7.9 | 72% | 12.1 | 19 | 10.9 |
| Price R nr Scofield Rese | | | | | | | | |
| Thou it in doction hood | APR-JUL | 39 | 44 | 47 | 181% | 51 | 56 | 26 |
| | MAY-JUL | 28 | 33 | 36 | 164% | 40 | 45 | 22 |
| Mill Ck at Sheley Tunnel | | 20 | 00 | 50 | 10470 | 40 | 40 | |
| Will Ck at Sheley Turine | APR-JUL | 1.94 | 2.5 | 3 | 91% | 3.5 | 4.4 | 3.3 |
| | MAY-JUL | 1.17 | 1.74 | 2.2 | 79% | 2.7 | 3.6 | 2.8 |
| W Canyon Ck nr Codor | | 1.17 | 1.74 | ۷.۷ | 1970 | 2.7 | 3.6 | 2.0 |
| W Canyon Ck nr Cedar | | 1.04 | 1.05 | 0.1 | 0010/ | 0.4 | 0 | 0.05 |
| | APR-JUL | 1.04 | 1.65 | 2.1 | 221% | 2.4 | 3 | 0.95 |
| | MAY-JUL | 0.82 | 1.43 | 1.84 | 211% | 2.2 | 2.8 | 0.87 |
| Fish Ck ab Reservoir nr | | | | | | | | |
| | APR-JUL | 27 | 31 | 34 | 172% | 37 | 41 | 19.8 |
| | MAY-JUL | 22 | 26 | 29 | 166% | 32 | 36 | 17.5 |
| Currant Ck Reservoir Inf | flow ² | | | | | | | |
| | APR-JUL | 15 | 17.5 | 19.3 | 162% | 21 | 24 | 11.9 |
| | MAY-JUL | 11.7 | 14.2 | 16 | 155% | 18 | 21 | 10.3 |
| Bear R nr UT-WY State | | | | | | | | |
| | APR-JUL | 89 | 102 | 111 | 110% | 120 | 136 | 101 |
| | APR-SEP | 99 | 113 | 122 | 107% | 132 | 149 | 114 |
| | MAY-JUL | 77 | 90 | 99 | 102% | 108 | 124 | 97 |
| | MAY-SEP | 87 | 101 | 110 | 102% | 120 | 137 | 108 |
| Manti Ck bl Dugway Ck | | 01 | 101 | 110 | 102/0 | 120 | 107 | 100 |
| wanti on or bugway on | APR-JUL | 9.9 | 13.1 | 15.2 | 117% | 17.4 | 20 | 13 |
| | AI U-JUL | 9.9 | 13.1 | 10.4 | 11//0 | 17.4 | ۷۵ | 13 |

| | MAY-JUL | 8.4 | 11.6 | 13.7 | 114% | 15.9 | 19 | 12 |
|-------------------------------|---------|------|------|------|------|------|------|-----|
| Lost Ck Reservoir Inflov | v^1 | | | | | | | |
| | APR-JUL | 12.5 | 13.9 | 15.1 | 159% | 16.3 | 18.3 | 9.5 |
| | MAY-JUL | 5.2 | 6.6 | 7.8 | 118% | 9 | 11 | 6.6 |
| Logan R nr Logan ¹ | | | | | | | | |
| | APR-JUL | 109 | 119 | 127 | 140% | 136 | 151 | 91 |
| | MAY-JUL | 86 | 96 | 104 | 133% | 113 | 128 | 78 |
| Utah Lake Inflow ¹ | | | | | | | | |
| | MAY-JUL | -6.5 | 71 | 124 | 102% | 177 | 255 | 122 |

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

Appendix A: Data used in SWSI Calculations

| Watershed/ | USGS Gauging | Reservoir(s) | Start Date |
|---------------------|--|---|------------|
| Region | Station(s) | 1133311311(3) | |
| Bear | Bear R nr Ut-Wy State Line | Bear Lake | 1981 |
| Woodruff Narrows | Bear R ab Resv nr Woodruff | Woodruff Narrows Reservoir | 1986 |
| Little Bear | Little Bear R at Paradise | Hyrum Reservoir | 1993 |
| Ogden | Pineview Reservoir Inflow | Pineview Reservoir, Causey Reservoir | 1981 |
| Weber | Weber R at Gateway | East Canyon Reservoir, Echo Reservoir, Lost Creek Reservoir, Rockport Reservoir, Smith And Morehouse Reservoir, Willard Bay | 1981 |
| Provo | Provo R at Woodland, Spanish Fk at Castilla, W Canyon Ck nr Cedar Fort, Salt Ck at Nephi, American Fk ab Upper Powerplant | Utah Lake, Deer Creek Reservoir, Jordanelle Reservoir | 1995 |
| Western Uintas | Yellowstone R nr Altonah | Starvation Reservoir, Moon Lake Reservoir, Upper Stillwater Reservoir | 1981 |
| Eastern Uintas | Big Brush Ck ab Red Fleet Reservoir, Ashley Ck nr Vernal, Whiterocks R nr Whiterocks | Red Fleet Reservoir, Steinaker Reservoir | 1981 |
| Blacks Fork | Blacks Fk nr Robertson | Meeks Cabin Reservoir | 1984 |
| Smiths Fork | East Fork Smiths Fork bl Stateline Res | Stateline Reservoir | 1984 |
| Price | Fish Ck ab Reservoir nr Scofield | Scofield Reservoir | 1981 |
| Joes Valley | Seely Ck bl Joes Valley Resv | Joes Valley Reservoir | 1981 |
| Ferron Creek | Ferron Ck Upper Station nr Ferron | Millsite | 1981 |
| Moab | Mill Ck at Sheley Tunnel nr Moab | Ken's Lake | 1988 |
| Upper Sevier | Sevier R nr Kingston, EF Sevier R nr Kingston | Piute Reservoir, Otter Creek Reservoir | 1981 |
| San Pitch | Manti Ck bl Dugway Ck nr Manti | Gunnison Reservoir | 1981 |
| Lower Sevier | Sevier R nr Gunnison | Sevier Bridge Reservoir | 1981 |
| Beaver River | Beaver R nr Beaver | Minersville Reservoir | 1981 |
| Virgin River | Virgin R at Virgin, Santa Clara R nr Pine Valley | Quail Creek, Gunlock | 1993 |

Water Supply Outlook Reports and Federal - State - Private Cooperative Snow Surveys

For more water supply and resource management information, contact: your local Natural Resources Conservation Service Office or:

Snow Surveys

245 N Jimmy Doolittle Rd, SLC Utah, 84116. Phone (385)285-3118

Email Address: jordan.clayton@usda.gov

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 snowcourses and automated SNOTEL sites, along with precipitation, antecedent streamflow, and indices of the El Niño / Southern Oscillation are used in statistical and simulation models to prepare runoff forecasts. 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.

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Issued by

Terry Cosby
Chief, Natural Resources Conservation Service
U.S. Department of Agriculture

Prepared by

Snow Survey Staff:
Jordan Clayton, Data Collection Officer
Troy Brosten, Assistant Supervisor
Dave Eiriksson, Hydrologist
Logan Jamison, Hydrologist
Claire Stellick, Hydrologist
Spencer Donovan, Hydrologist
Kori Mooney, Hydrologist
Doug Neff, Electronic Technician

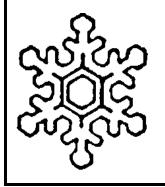
Released by
Emily Fife
State Conservationist
Natural Resources Conservation
Service Salt Lake City, Utah



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Snow Survey, NRCS, USDA 245 North Jimmy Doolittle Road Salt Lake City, UT 84116 (385) 285-3118



Utah Water Supply Outlook Report

Natural Resources Conservation Service Salt Lake City, UT

