



Utah Climate and Water Report

June 1, 2021



View of Tushar Mountains from Pavani Range above Kanosh, Utah

Photo by Jordan Clayton

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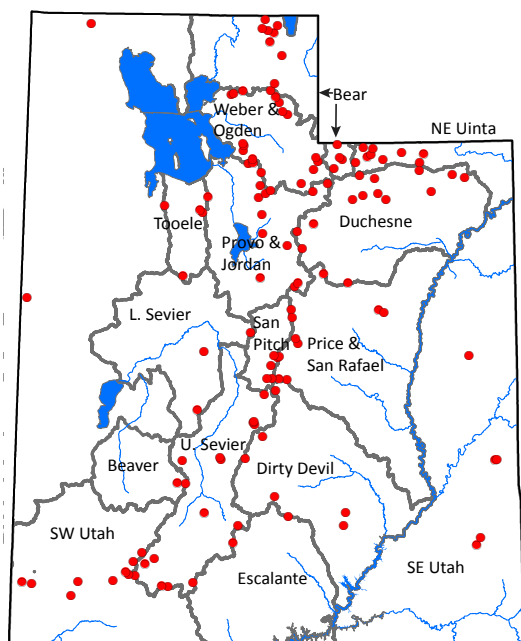
Utah Climate and Water Report

The purpose of the Climate and Water Report is to provide a snapshot of current and immediate past climatic conditions and other information useful to agricultural and water user interests in Utah. The report utilizes data from several sources that represent specific parameters (streamflow data from the United States Geological Survey, reservoir data from the Bureau of Reclamation, and other sources), geography including high elevation United States Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS) Snowpack Telemetry (SNOTEL) data, and agriculturally important data from the USDA-NRCS Soil Climate Analysis Network (SCAN). Data on precipitation, soil moisture, soil temperature, reservoir storage, and streamflow are analyzed and presented. These data analyses can be used to increase irrigation efficiency and agricultural production. As with all data and analyses, there are limitations due to data quality, quantity, and spatial application.



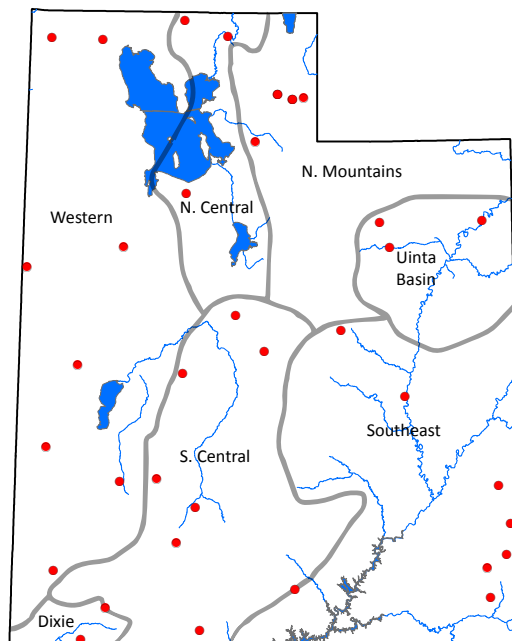
SNOTEL

- Mountainous areas
- High elevation (>6,000 ft)
- Water supply forecasting
- Installed where snow pack represents the water supply



SCAN

- Agricultural and range lands
- Mid elevation (3 – 7,000 ft).
- Irrigation efficiency and rangeland productivity
- Installed on spatially representative soils



Utah General Summary

June 1, 2021

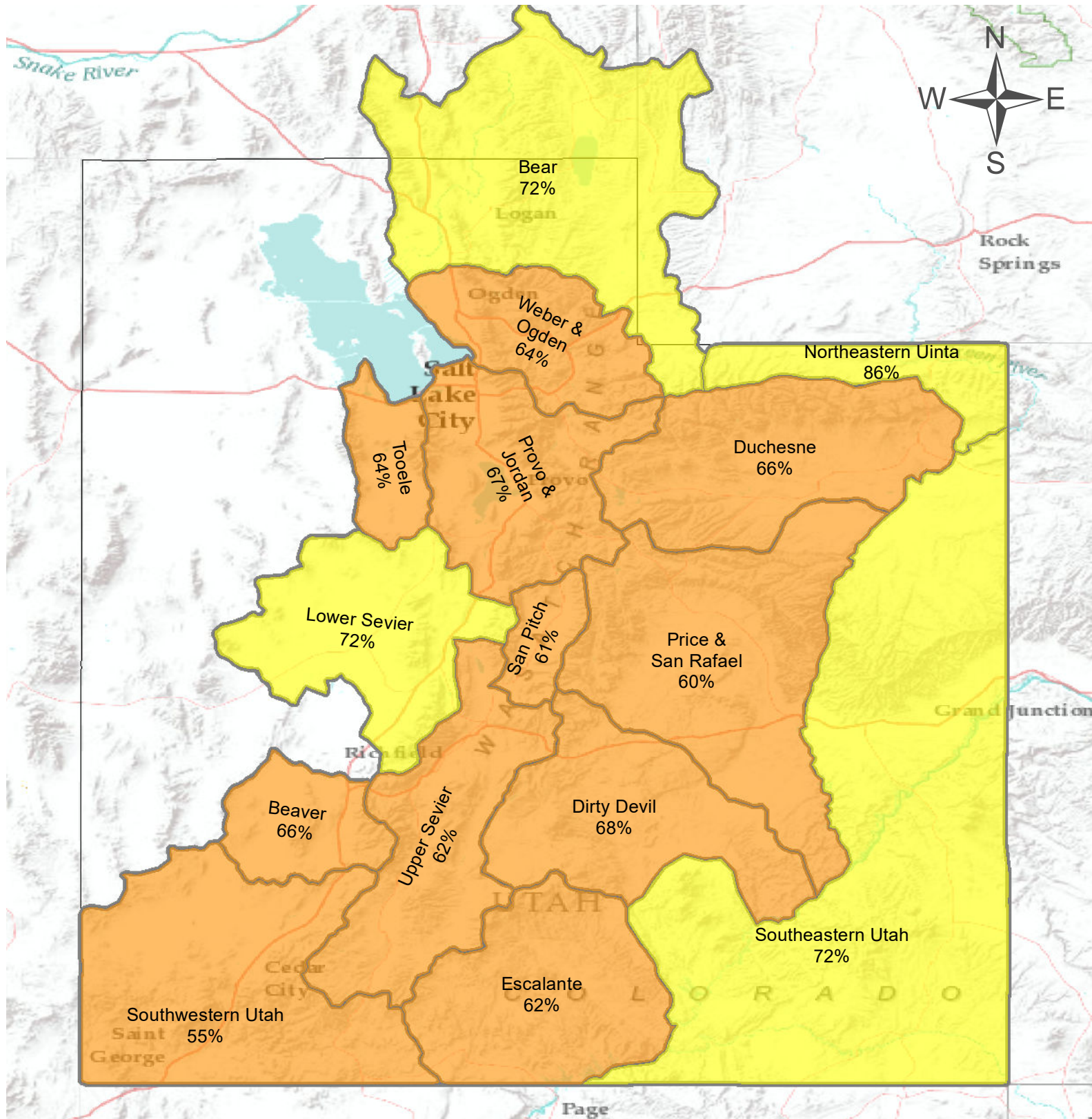
*This report has been reorganized to better reflect two distinct geographic areas being monitored – the low elevation valley sites (**Soil Climate Analysis Network**) that are critical for agricultural production and operations, and the high elevation mountainous areas where water supply is generated (**SNOWTElemetry**). Most of the graphs have been updated to utilize daily data versus the old monthly bar charts so that the timing and distribution of precipitation and other events can be seen. The timing distribution of precipitation can be as important as the overall amount in an agricultural context. These graphs are hyperlinked so that the user can simply click on the graph and be taken to the most recent version on the Snow Survey web page. Questions, comments and suggestions are welcome and should be directed to jordan.clayton@usda.gov.*

Current Valley Conditions (SCAN)

Unfortunately, a dry April was followed by an even drier May, with an average of 0.3 inches of precipitation accumulated in Utah's valley locations. So far in the 2021 water year, 3.9 inches of precipitation has accumulated on average at Utah's SCAN sites. Southwestern Utah has consistently fared the worst and subsequently soil moisture values are very low—below levels we've previously seen in 10 years of measurement. Soil temperatures across the state, while moderate most of May, increased rapidly at the end of the month. Drought conditions remained largely unchanged during May, with the entire state continuing to experience Moderate (D1) to Exceptional (D4) drought. The portion of Utah persisting in Exceptional Drought remains at a very discouraging 62%.

Current Mountain Conditions (SNOTEL)

This has been a tough year so far to be an optimist. Each month we have been hoping for Utah's mountain precipitation to catch up a bit, but almost every month this water year has had below average rain and snow. Unfortunately, May continued the trend. Last month's accumulated precipitation was only 42% of normal, bringing the water-year-to-date accumulation to 66%. We are now entering the climatologically driest portion of the year, so abundant additional supply is unlikely to be delivered by mother nature over the next couple months. Statewide soil moisture is at 64% of normal, and soil temperatures are generally well above average. Utah's reservoir storage has been trending about 15% lower than last year for months until now. Normally, this is the time of year when reservoir levels rebound due to melting snow. However, the lack of a significant runoff response from this winter's snowpack has greatly diminished the ability for our reservoirs to replenish their supply. Statewide storage is currently at 66% of capacity, which is actually 3% LOWER than last month and 23% lower than last year at this time. These water supply conditions are causing Utah's current Water Availability Indices (WAIs) to drop to historically-low levels for 10 of Utah's 18 major basins, with several others at extremely low levels.



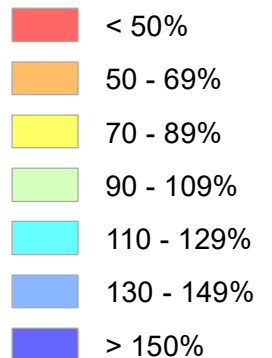
Statewide Precipitation

As of June 1, 2021:

66% of Normal Precipitation

42% of Normal Precipitation Last Month

% of Normal



June 1, 2021

Water Availability Index

Basin or Region	May EOM* Storage	May Flow	Storage + Flow	Percentile	WAI#	Years with similiar WAI
	KAF^	KAF^	KAF^	%		
Bear River	804	24.7	829	52	0.2	11, 01, 89, 13
Woodruff Narrows	12.8	24.7	37.5	5	-3.8	02, 99, 90, 95
Little Bear	13.3	1.9	15.2	3	-3.9	01, 15, 12, 07
Ogden	67.3	6.0	73.3	5	-3.8	92, 88, 87, 13
Weber	124.0	28.3	152.3	3	-3.9	13, 92, 02, 04
Provo River	344.5	17.3	361.8	4	-3.9	13, 04, 08, 11
Western Uinta	185.6	10.0	195.6	31	-1.6	98, 08, 04, 92
Eastern Uinta	27.2	13.0	40.2	5	-3.8	02, 14, 19, 89
Blacks Fork	16.6	24.8	41.4	18	-2.7	91, 10, 19, 89
Price	33.3	1.9	35.1	14	-3.0	04, 14, 16, 91
Smiths Creek	8.3	10.0	18.3	37	-1.1	99, 98, 97, 93
Joes Valley	37.6	2.5	40.1	5	-3.8	91, 19, 95, 90
Moab	0.9	0.5	1.4	14	-3.0	18, 89, 12, 90
Upper Sevier River	39.4	0.7	40.0	5	-3.8	04, 91, 03, 18
San Pitch	0.0	2.5	2.5	2	-4.0	13, 18, 15, 16
Lower Sevier	62.6	1.7	64.3	7	-3.6	18, 04, 17, 16
Beaver	6.9	2.9	9.8	2	-4.0	00, 18, 03, 04
Virgin River	35.6	4.6	40.3	20	-2.5	14, 02, 18, 13

*EOM, end of month; # WAI, water availibilty index; ^KAF, thousand acre-feet.

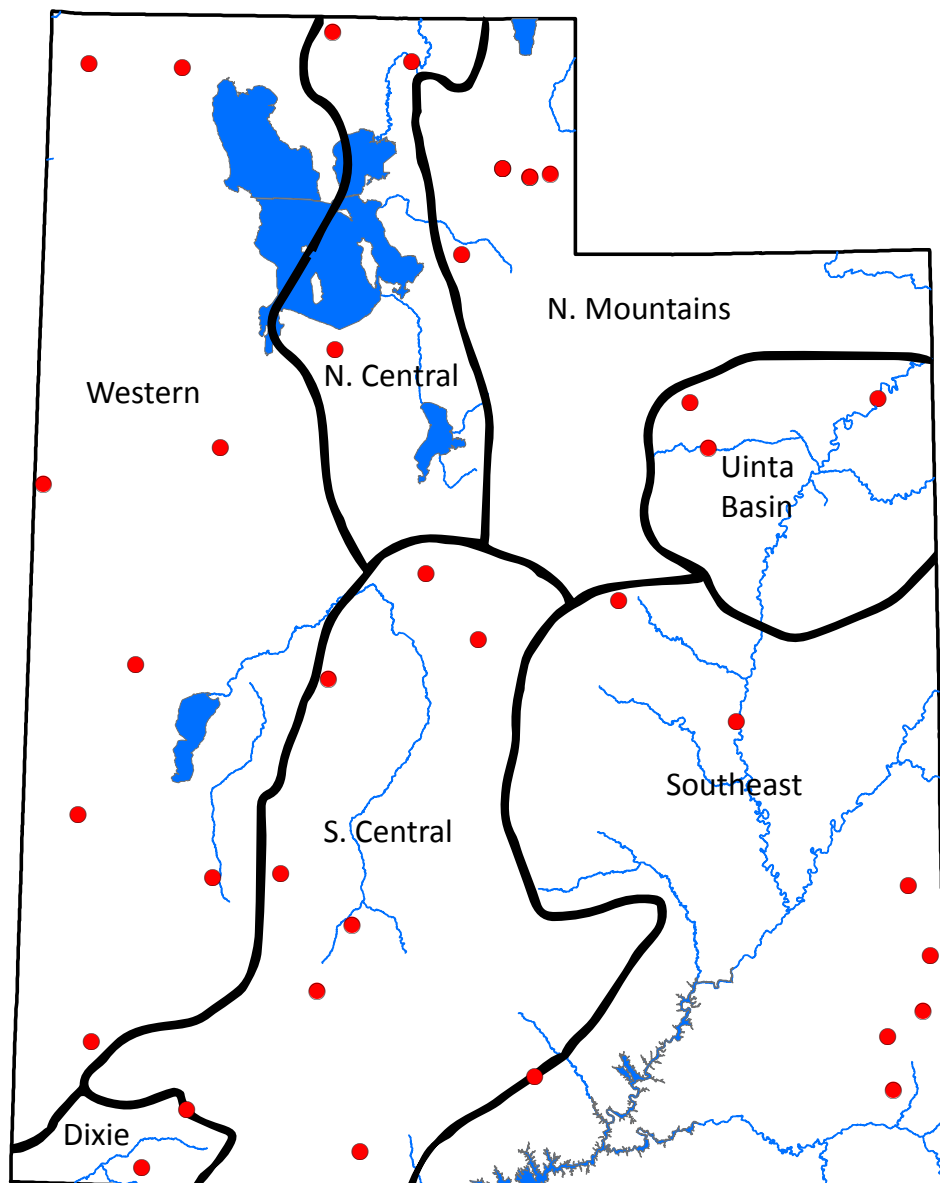
What is a Water Availability Index?

The Water Availability Index (WAI) is an observed hydrologic indicator of current surface water availability within a watershed. The index is calculated by combining current reservoir storage with the previous months streamflow. WAI 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. WAI's are calculated in this fashion to be consistent with other hydroclimatic indicators such as the Palmer Drought Index and the Precipitation index.

Utah Snow Surveys has also chosen to display the WAI value as well as a PERCENT CHANCE OF NON-EXCEEDANCE. While this is a cumbersome name, it has the simplest 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 WAI 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 WAI 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.

For more information on the WAI go to: www.ut.nrcs.usda.gov/snow/ on the water supply page. The entire period of historical record for reservoir storage and streamflow is available.

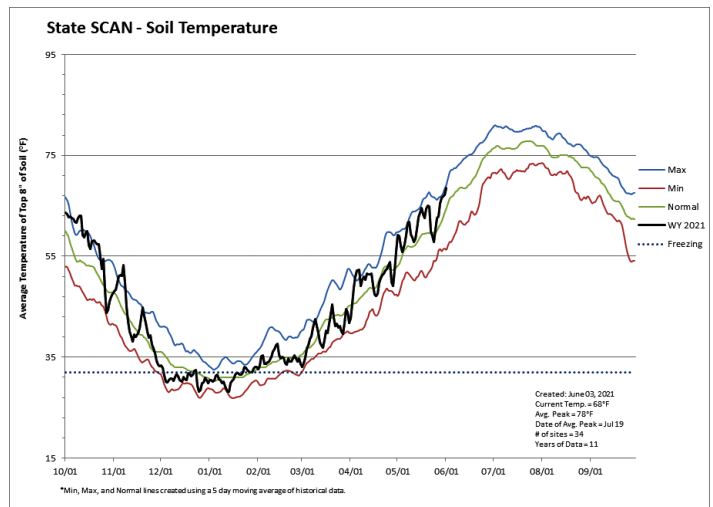
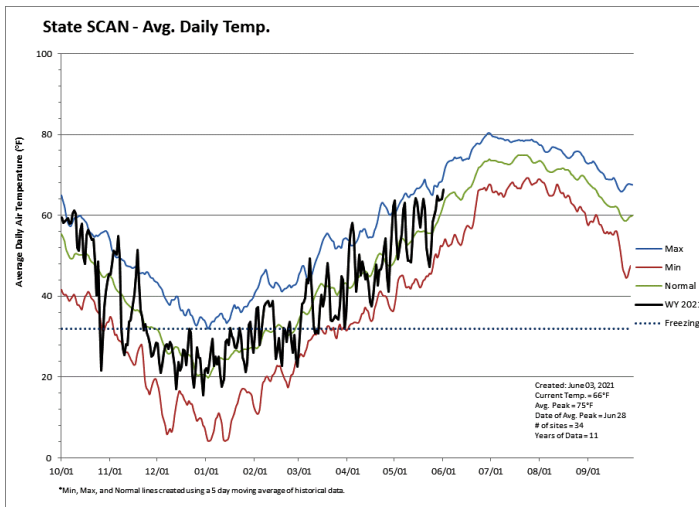
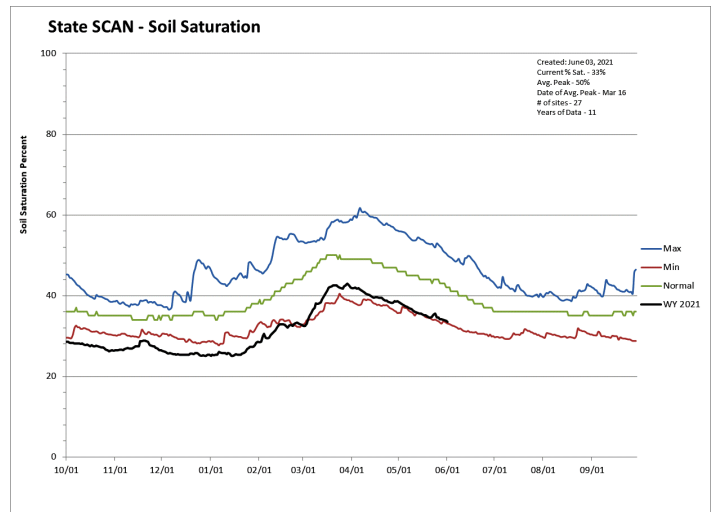
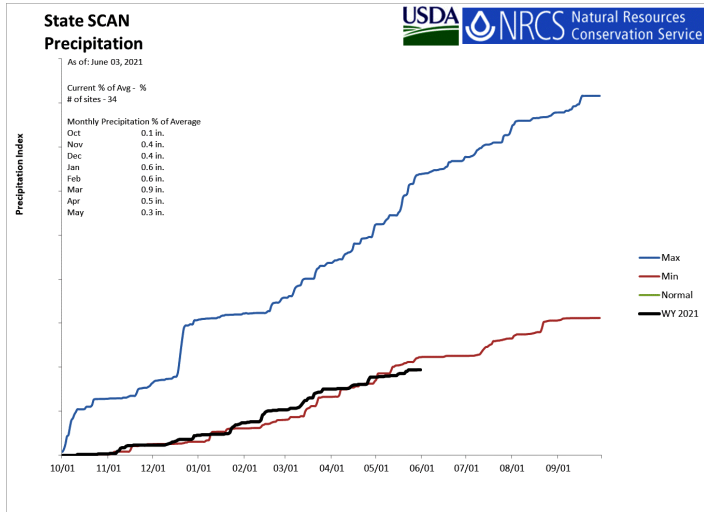
SCAN portion of report



Statewide SCAN

June 1, 2021

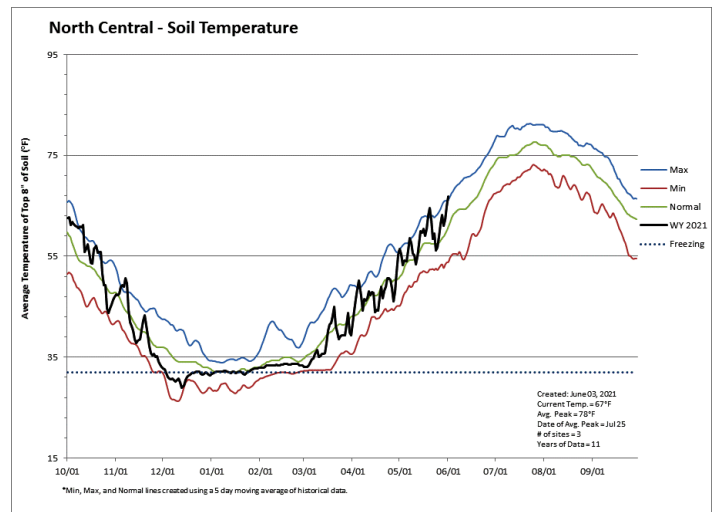
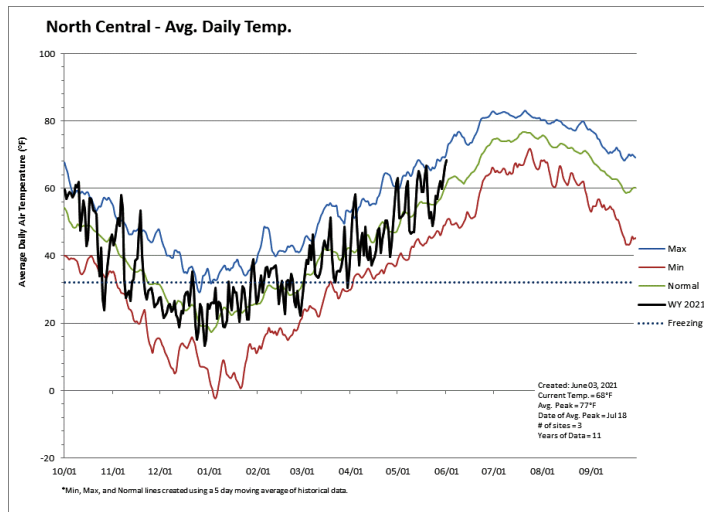
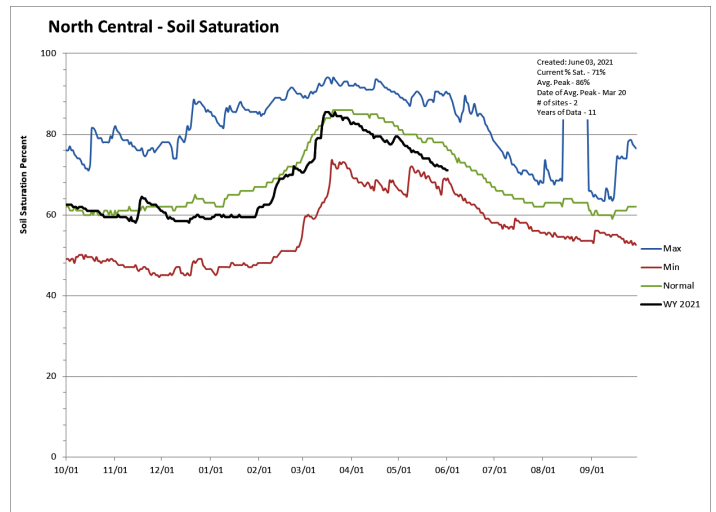
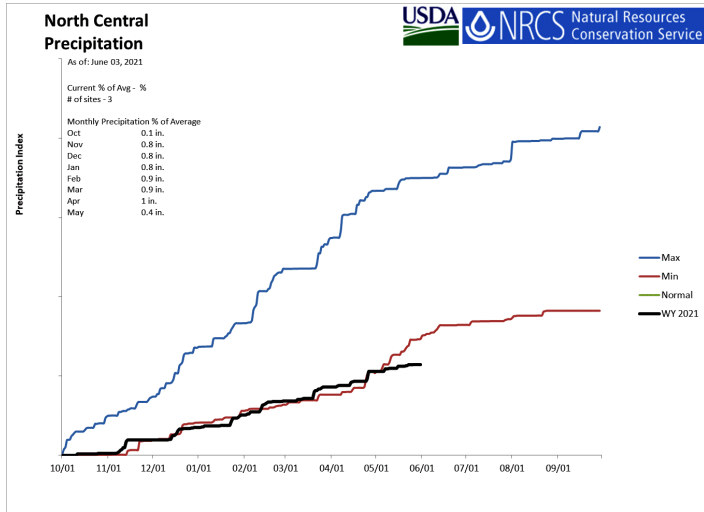
The average precipitation at SCAN sites within Utah was 0.3 inches in May, which brings the seasonal accumulation (Oct-May) to 3.9 inches. Soil moisture is at 34% compared to 35% last year.



North Central

June 1, 2021

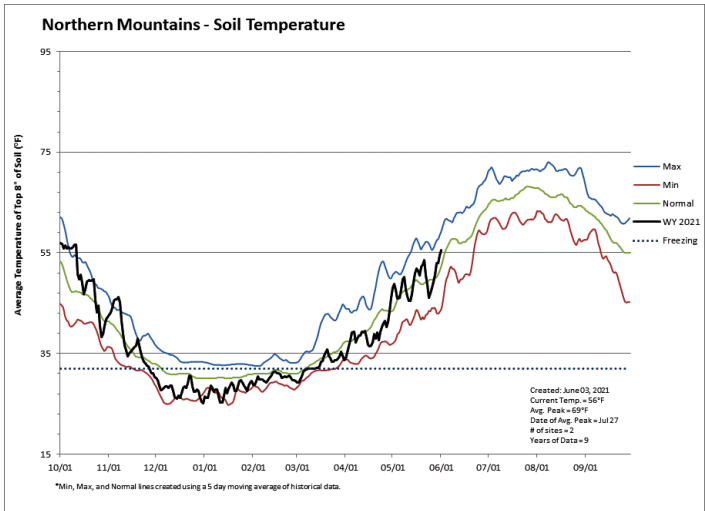
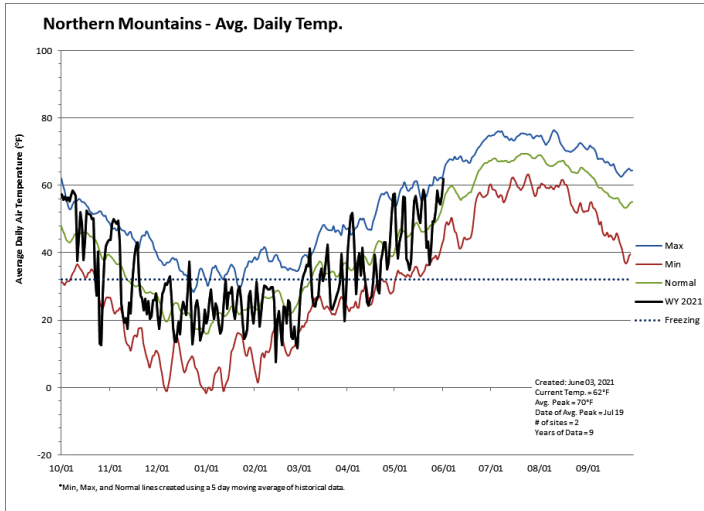
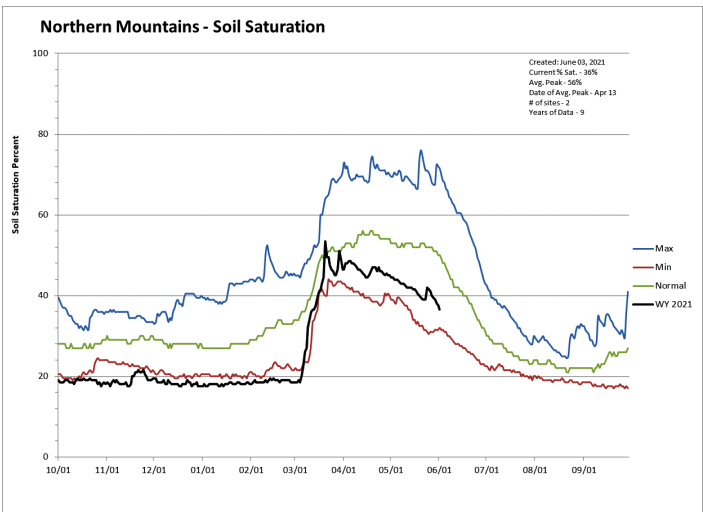
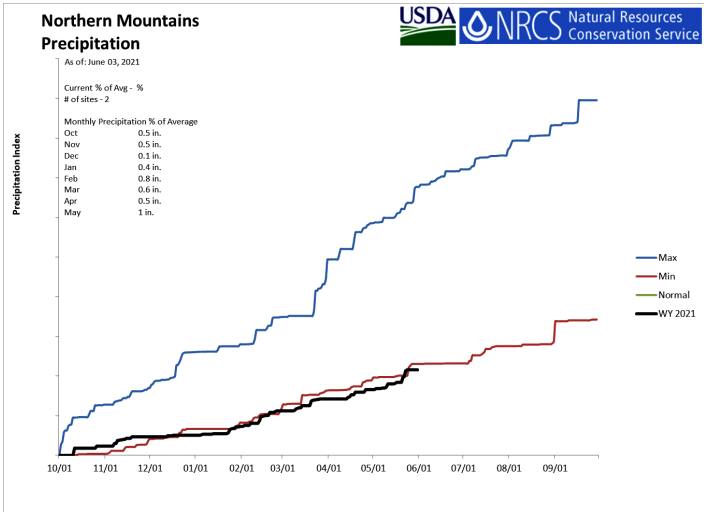
The average precipitation in May at SCAN sites within the basin was 0.4 inches, which brings the seasonal accumulation (Oct-May) to 5.7 inches. Soil moisture is at 71% compared to 76% last year.



Northern Mountains

June 1, 2021

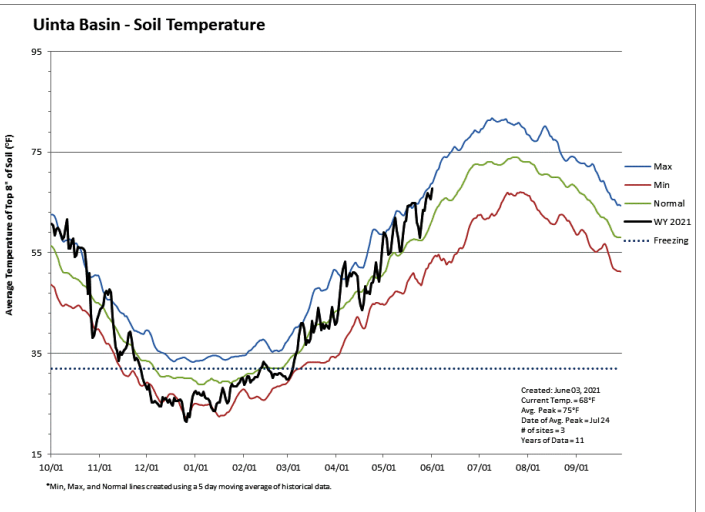
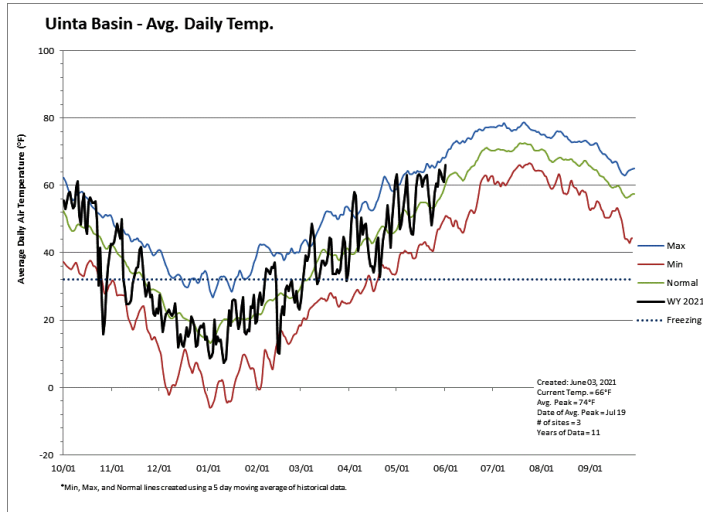
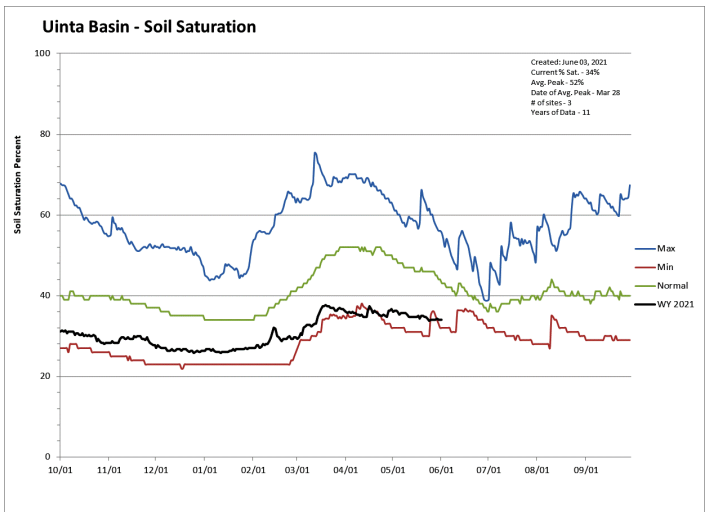
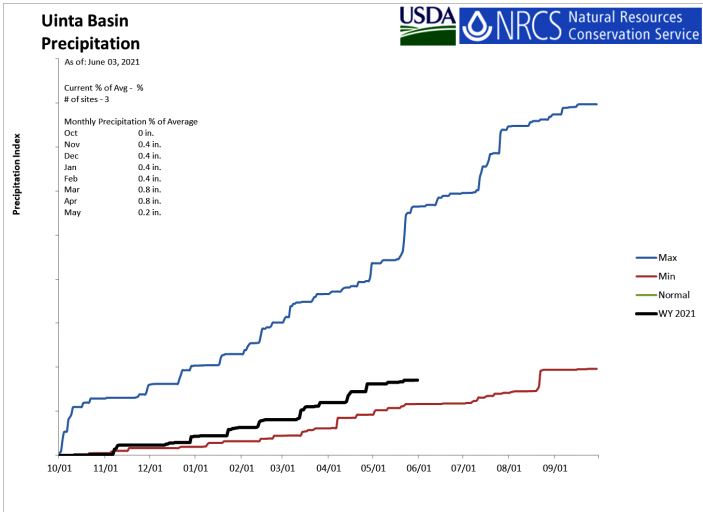
The average precipitation in May at SCAN sites within the basin was 1 inch, which brings the seasonal accumulation (Oct-May) to 4.3 inches. Soil moisture is at 37% compared to 40% last year.



Uinta Basin

June 1, 2021

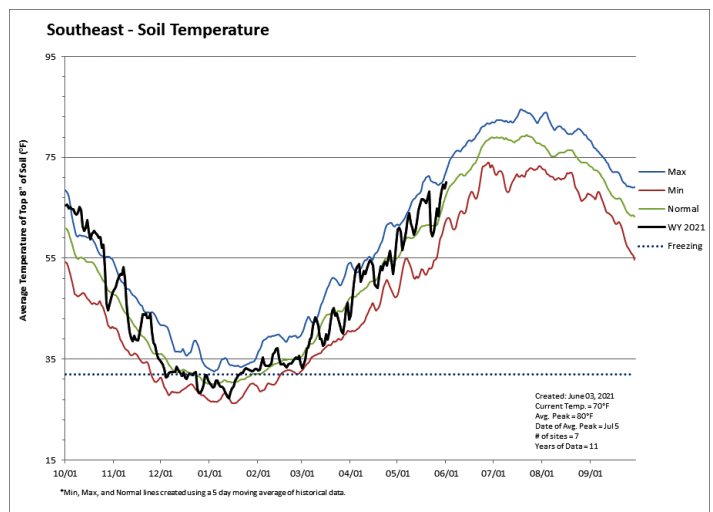
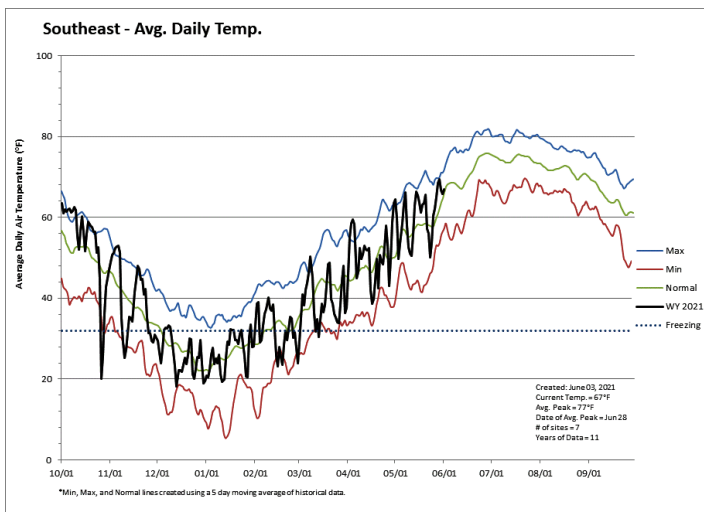
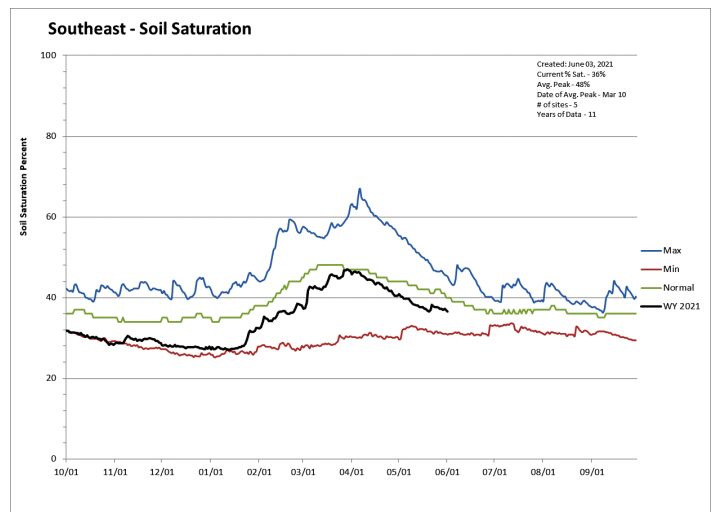
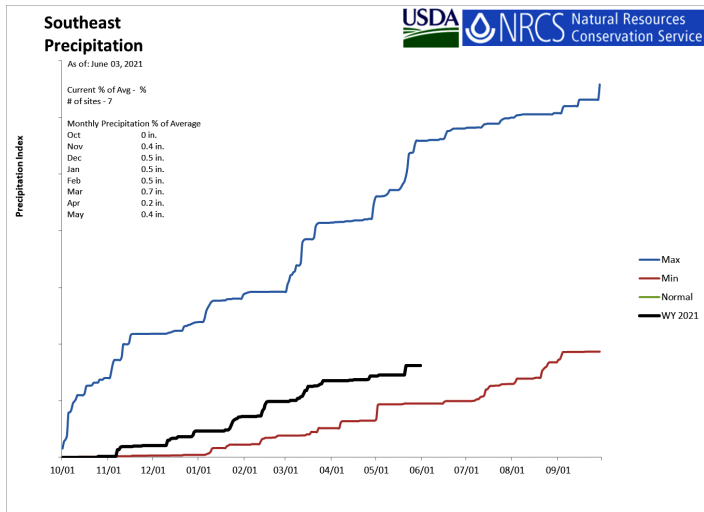
The average precipitation in May at SCAN sites within the basin was 0.2 inches, which brings the seasonal accumulation (Oct-May) to 3.4 inches. Soil moisture is at 34% compared to 35% last year.



Southeast

June 1, 2021

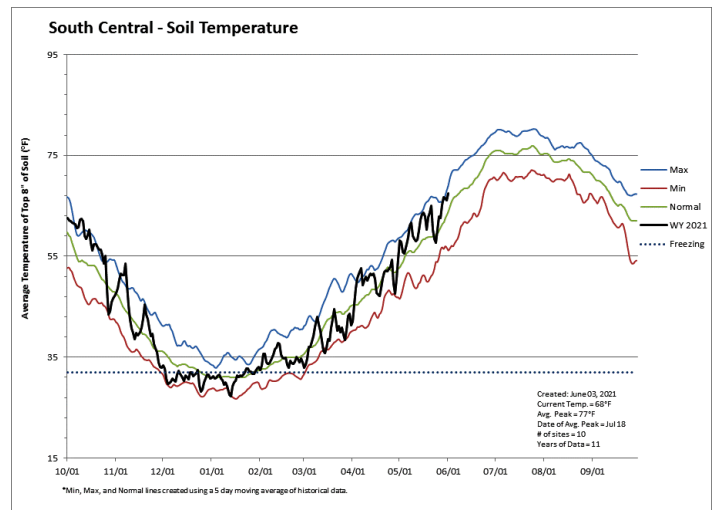
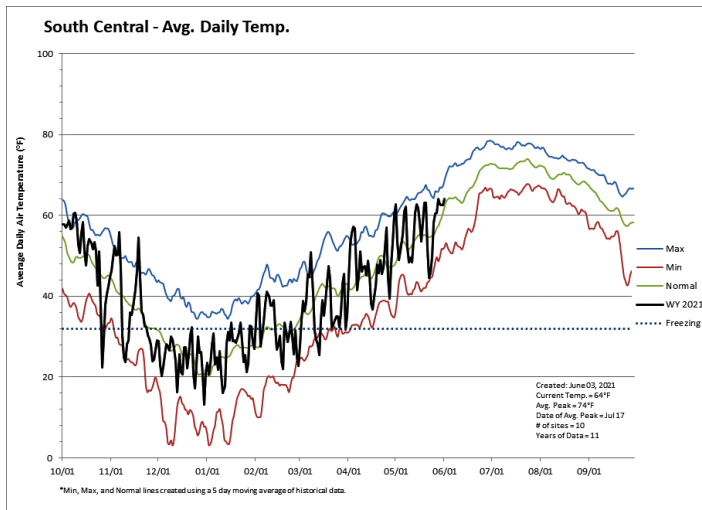
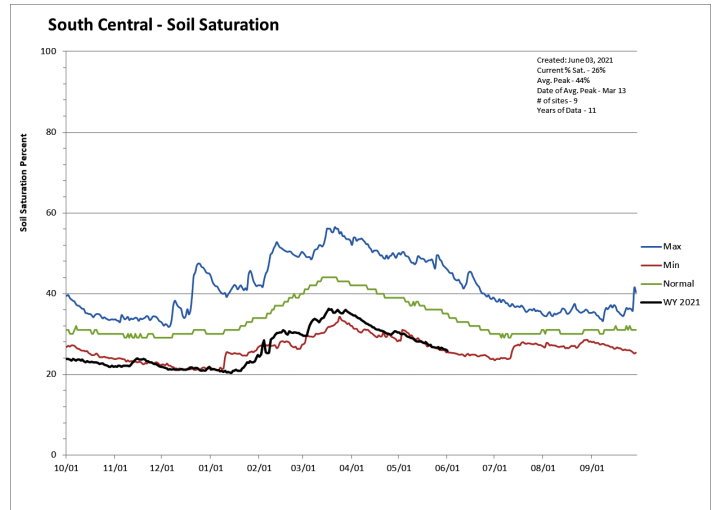
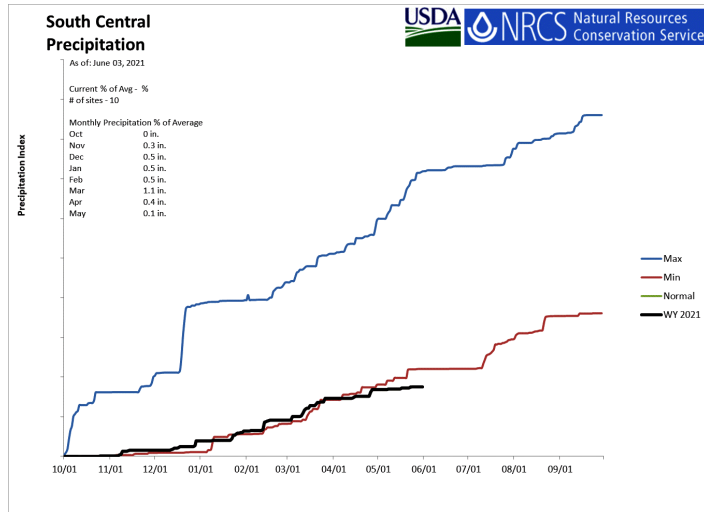
The average precipitation in May at SCAN sites within the basin was 0.4 inches, which brings the seasonal accumulation (Oct-May) to 3.2 inches. Soil moisture is at 37% compared to 37% last year.



South Central

June 1, 2021

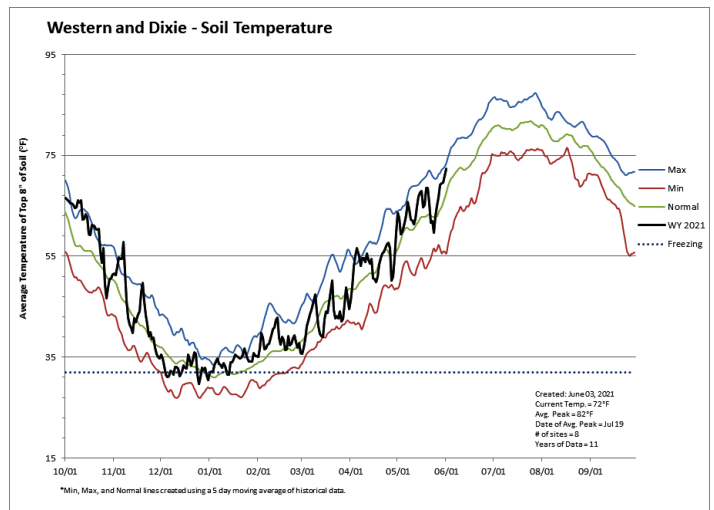
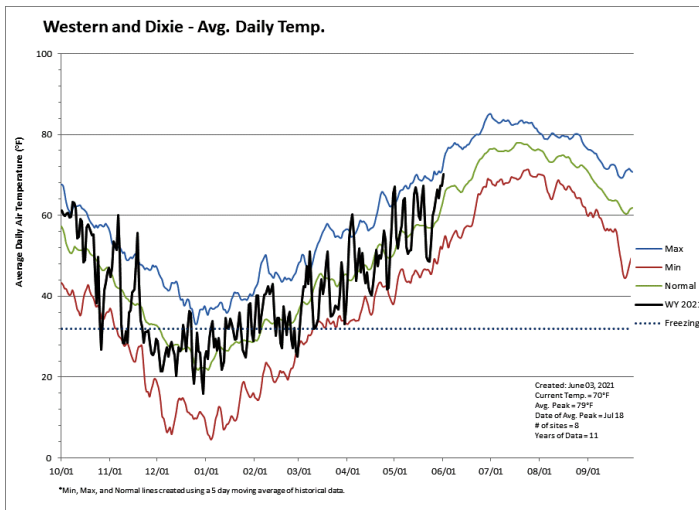
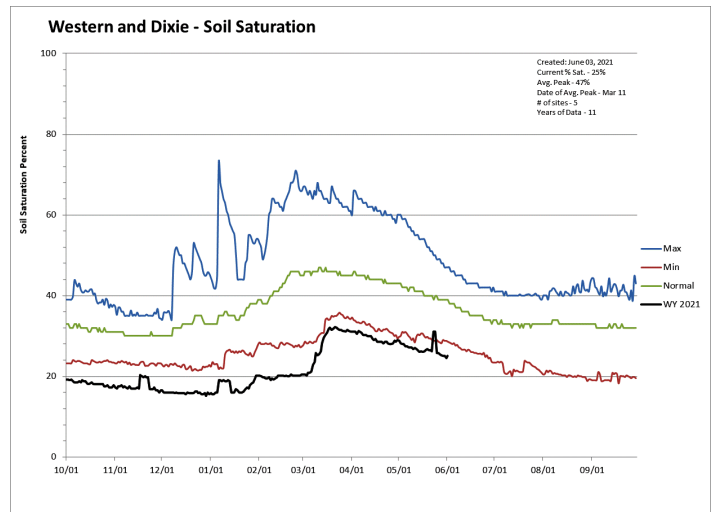
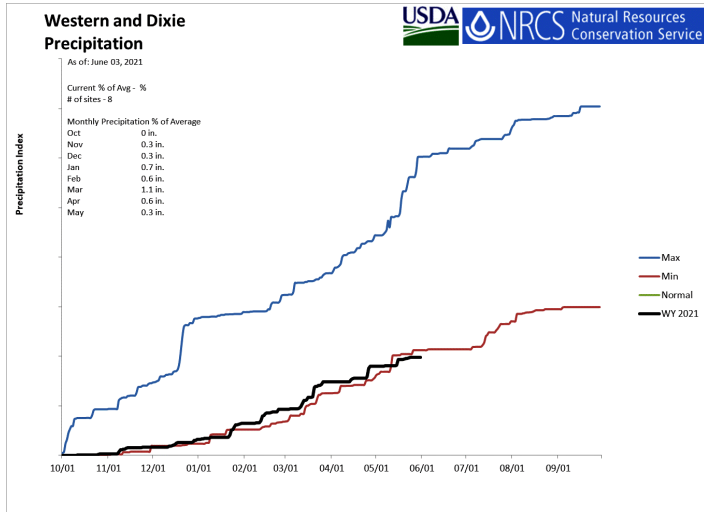
The average precipitation in May at SCAN sites within the basin was 0.1 inches, which brings the seasonal accumulation (Oct-May) to 3.5 inches. Soil moisture is at 26% compared to 30% last year.



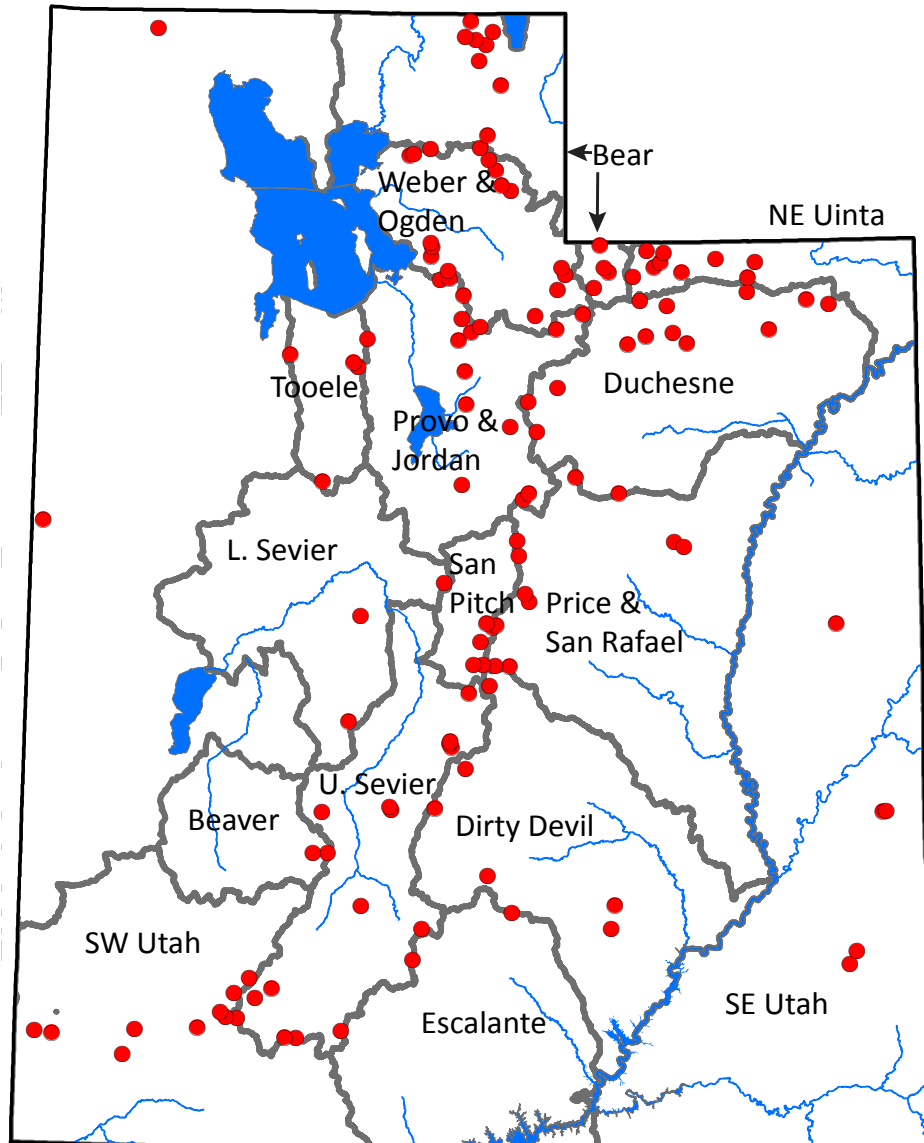
Western and Dixie

June 1, 2021

The average precipitation in May at SCAN sites within the basin was 0.3 inches, which brings the seasonal accumulation (Oct-May) to 3.9 inches. Soil moisture is at 25% compared to 26% last year.



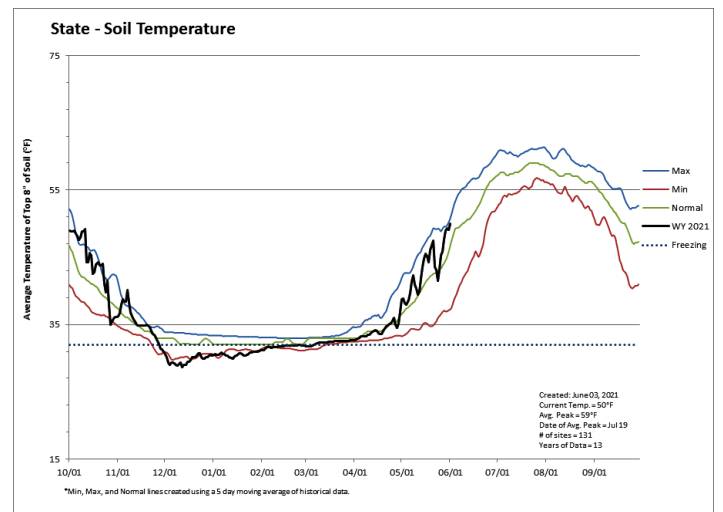
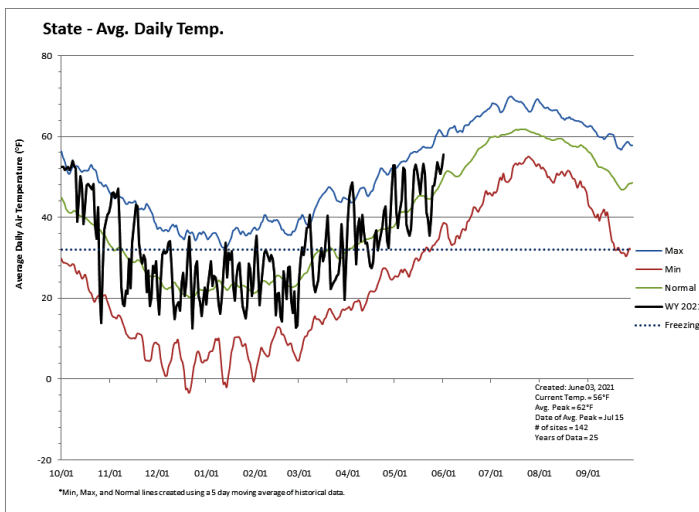
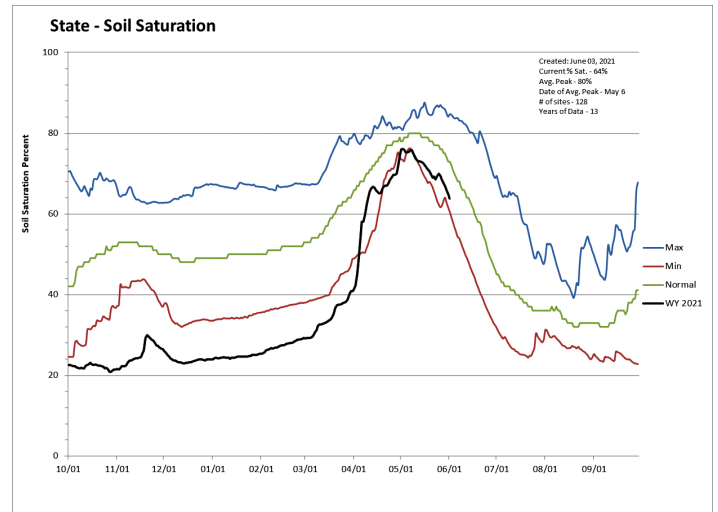
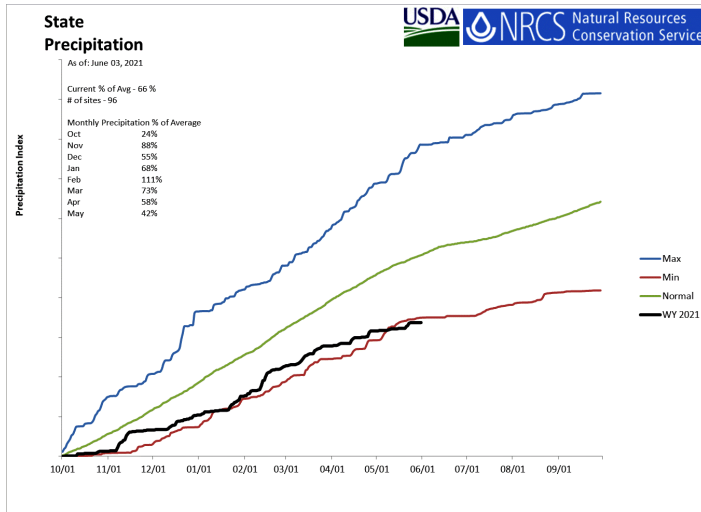
SNOTEL portion of report



Statewide SNOTEL

June 1, 2021

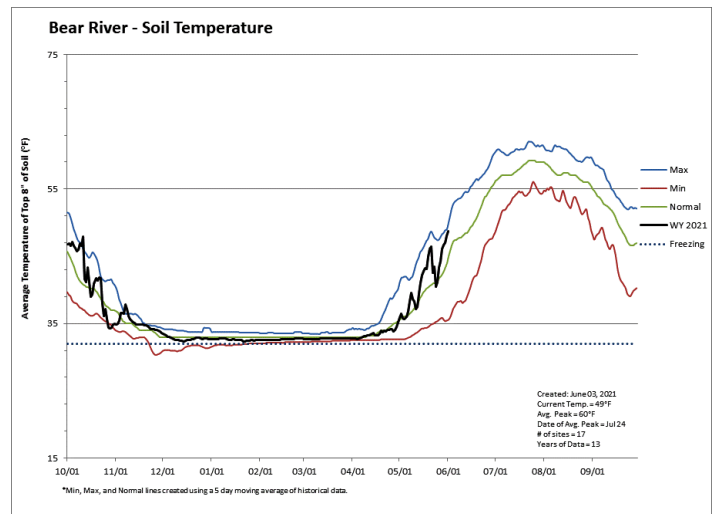
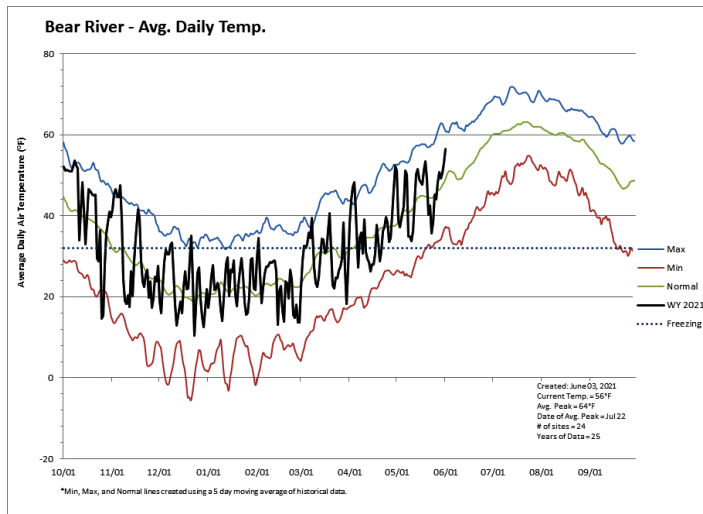
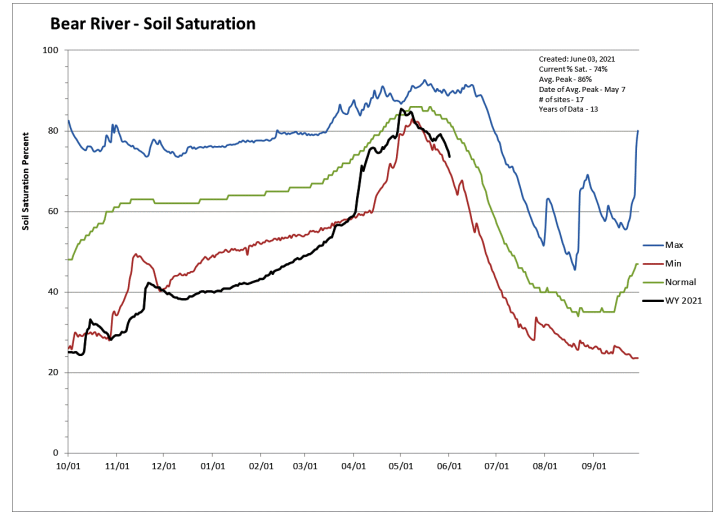
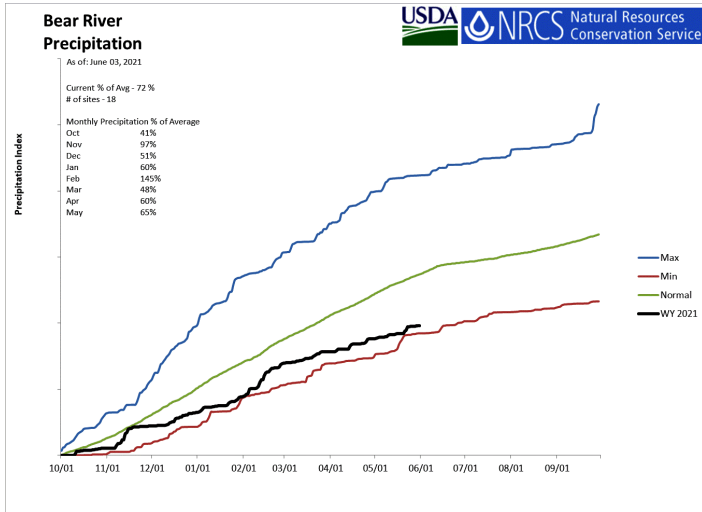
Precipitation at SNOTEL sites during May was much below average at 42%, which brings the seasonal accumulation (Oct-May) to 66% of average. Soil moisture is at 64% compared to 65% last year. Reservoir storage is at 66% of capacity, compared to 89% last year.



Bear River Basin

June 1, 2021

Precipitation in May was much below average at 65%, which brings the seasonal accumulation (Oct-May) to 72% of average. Soil moisture is at 76% compared to 79% last year. Reservoir storage is at 61% of capacity, compared to 86% last year. The water availability index for the Bear River is 52%, 5% for Woodruff Narrows and 3% for the Little Bear.

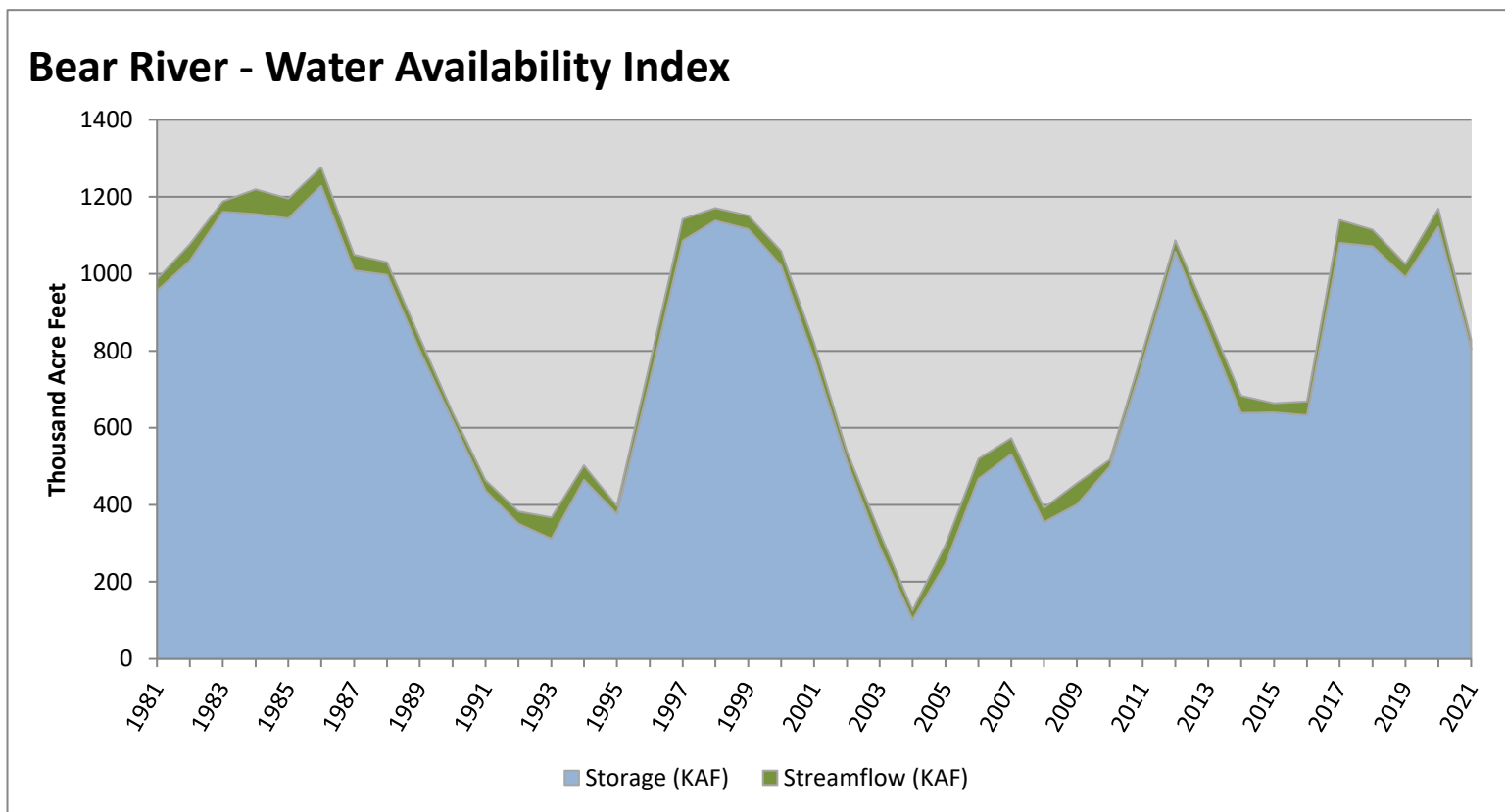


June 1, 2021

Water Availability Index

Basin or Region	May EOM [*] Storage	May Flow	Storage + Flow	Percentile	WAI [#]	Years with similar WAI
	KAF [^]	KAF [^]	KAF [^]	%		
Bear River	804.33	24.70	829.03	52	0.2	11, 01, 89, 13

^{*}EOM, end of month; [#]WAI, Water Availability Index; [^]KAF, thousand acre-feet.

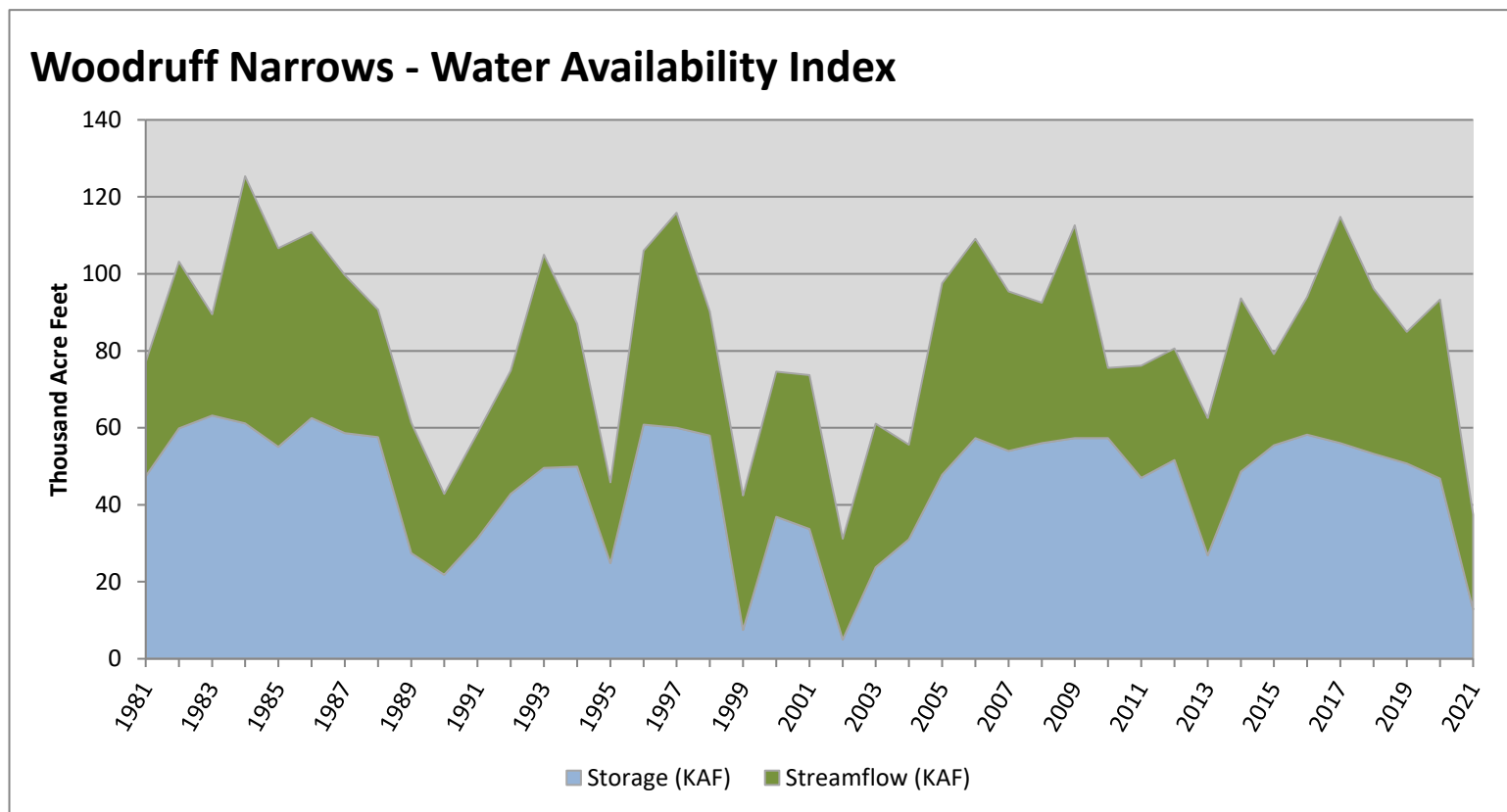


June 1, 2021

Water Availability Index

Basin or Region	May EOM [*] Storage	May Flow	Storage + Flow	Percentile	WAI [#]	Years with similar WAI
	KAF [^]	KAF [^]	KAF [^]	%		
Woodruff Narrows	12.77	24.70	37.47	5	-3.77	02, 99, 90, 95

^{*}EOM, end of month; [#]WAI, Water Availability Index; [^]KAF, thousand acre-feet.

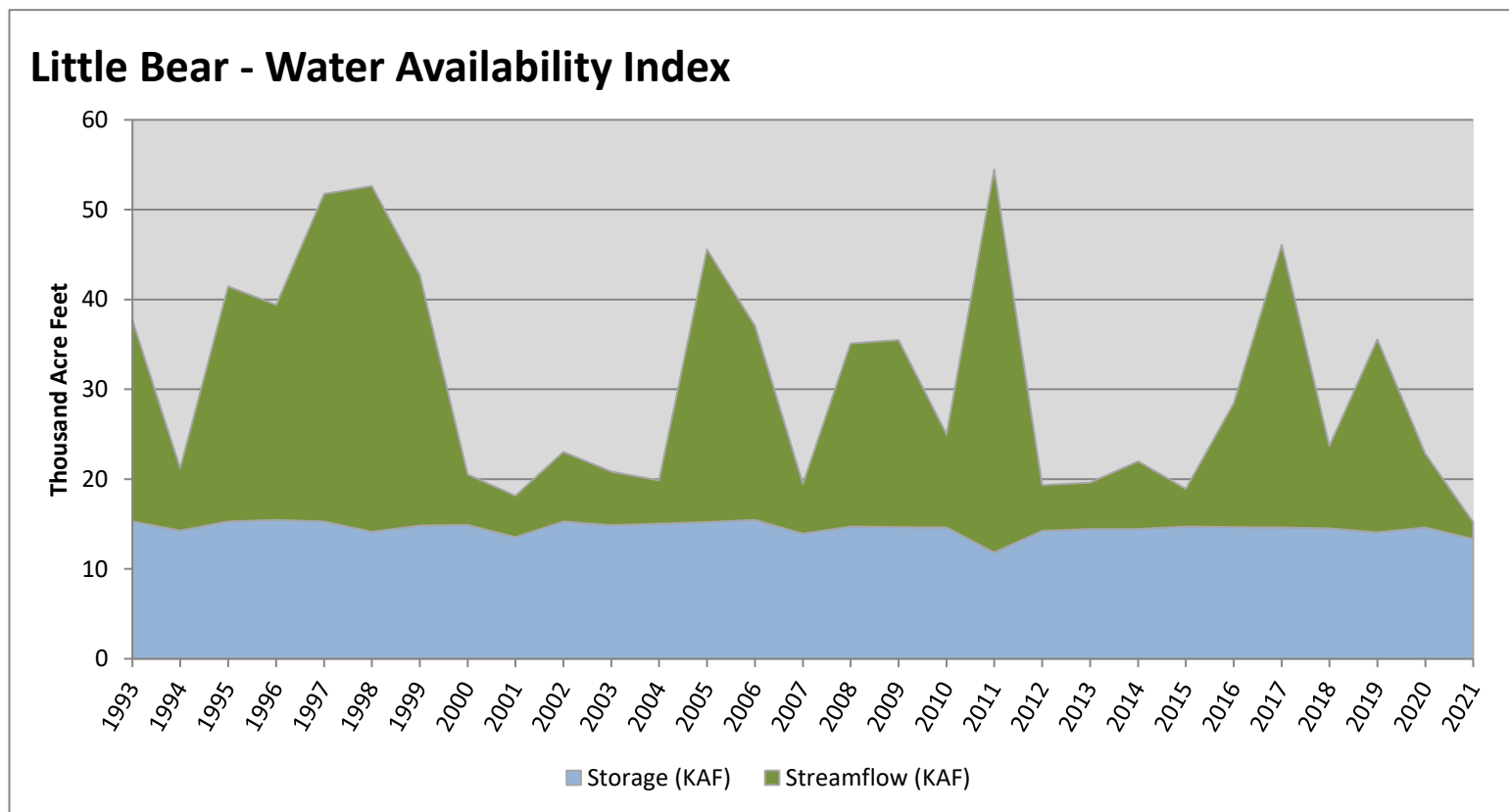


June 1, 2021

Water Availability Index

Basin or Region	May EOM [*] Storage	May Flow	Storage + Flow	Percentile	WAI [#]	Years with similar WAI
	KAF [^]	KAF [^]	KAF [^]	%		
Little Bear	13.34	1.86	15.20	3	-3.89	01, 15, 12, 07

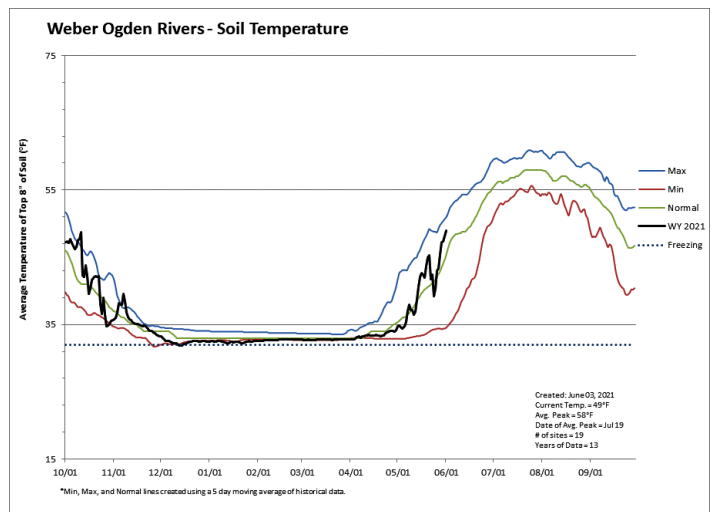
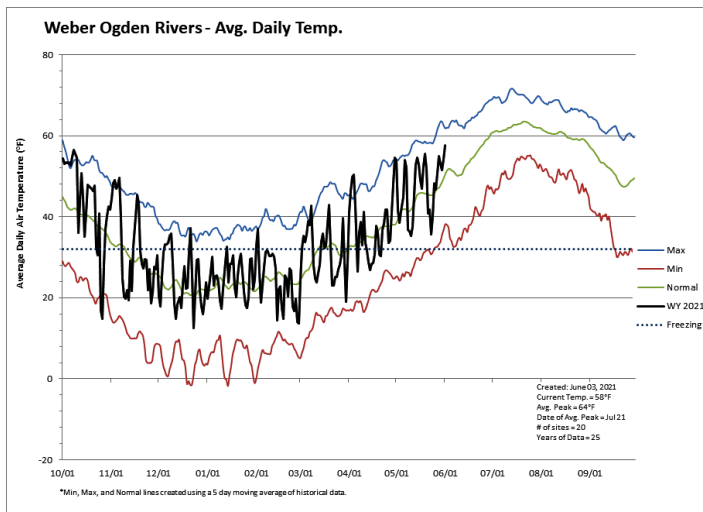
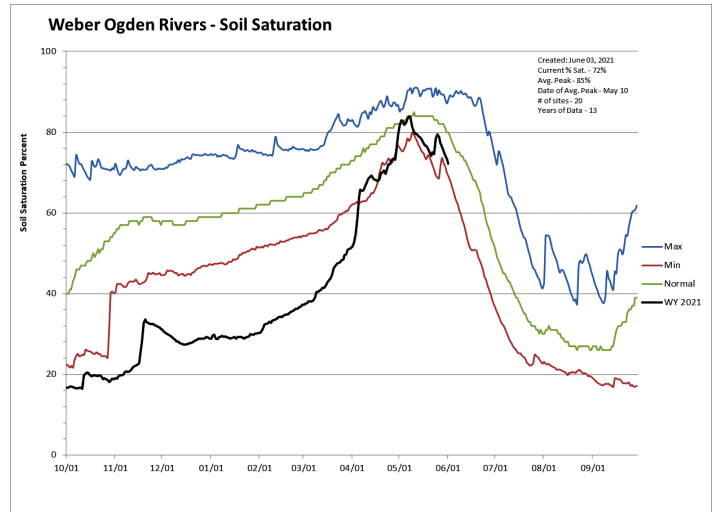
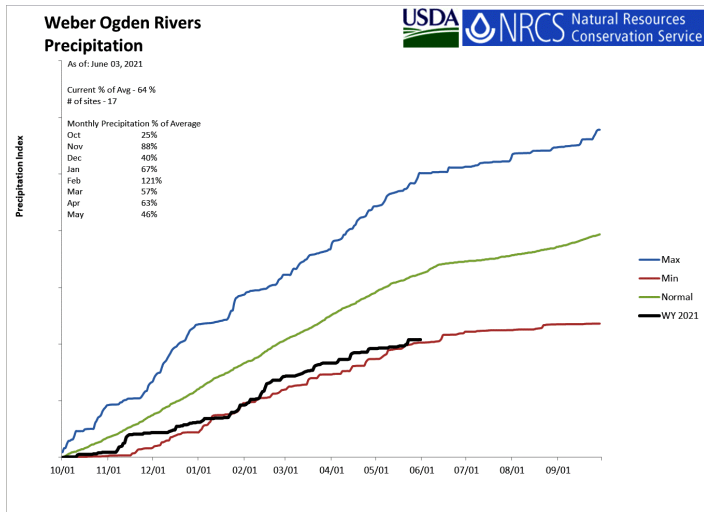
^{*}EOM, end of month; [#]WAI, Water Availability Index; [^]KAF, thousand acre-feet.



Weber & Ogden River Basins

June 1, 2021

Precipitation in May was much below average at 46%, which brings the seasonal accumulation (Oct-May) to 64% of average. Soil moisture is at 72% compared to 74% last year. Reservoir storage is at 60% of capacity, compared to 92% last year. The water availability index for the Ogden River is 5% and 3% for the Weber River.

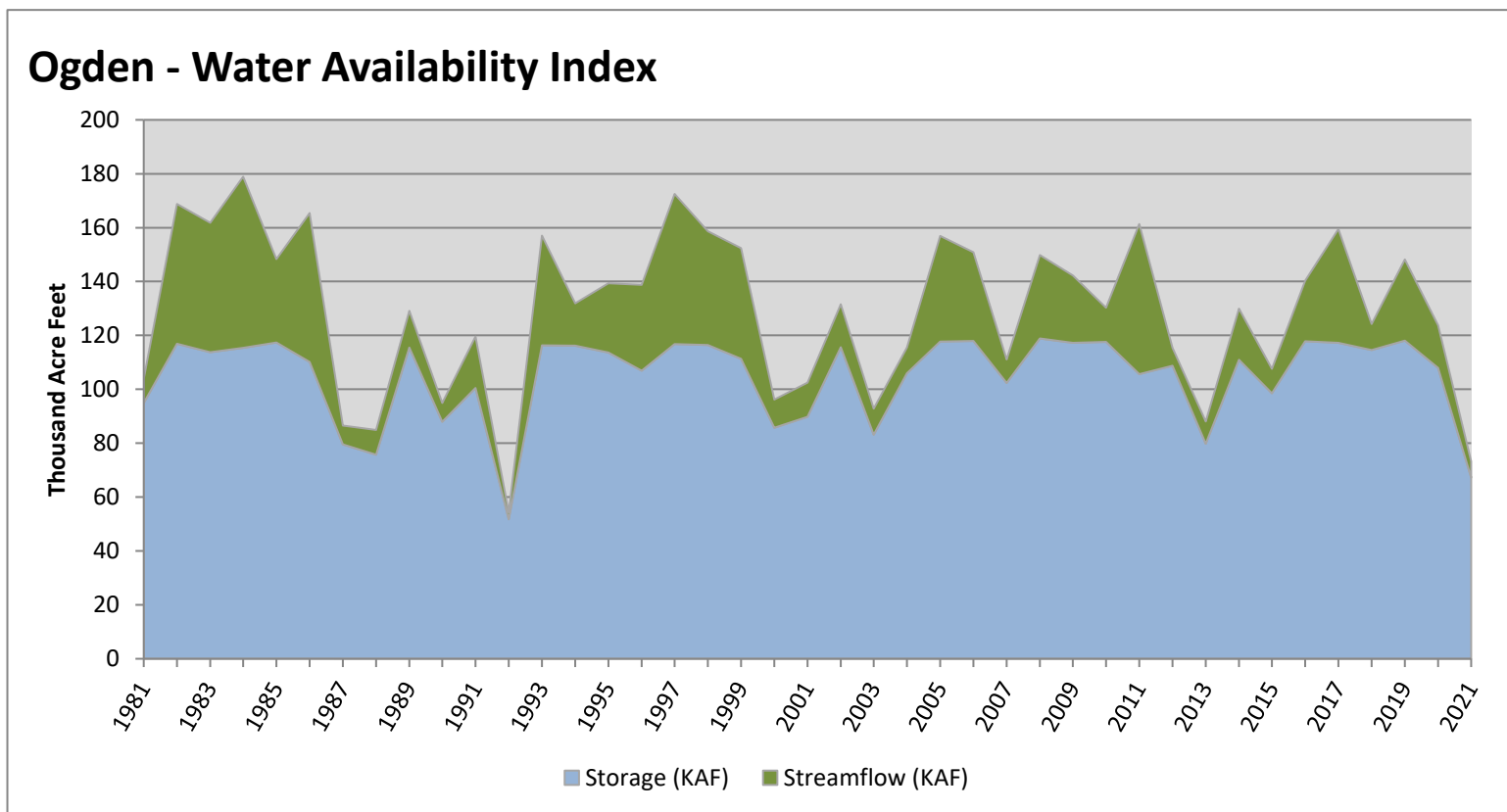


June 1, 2021

Water Availability Index

Basin or Region	May EOM [*] Storage	May Flow	Storage + Flow	Percentile	WAI [#]	Years with similar WAI
	KAF [^]	KAF [^]	KAF [^]	%		
Ogden	67.25	6.01	73.26	5	-3.77	92, 88, 87, 13

^{*}EOM, end of month; [#]WAI, Water Availability Index; [^]KAF, thousand acre-feet.

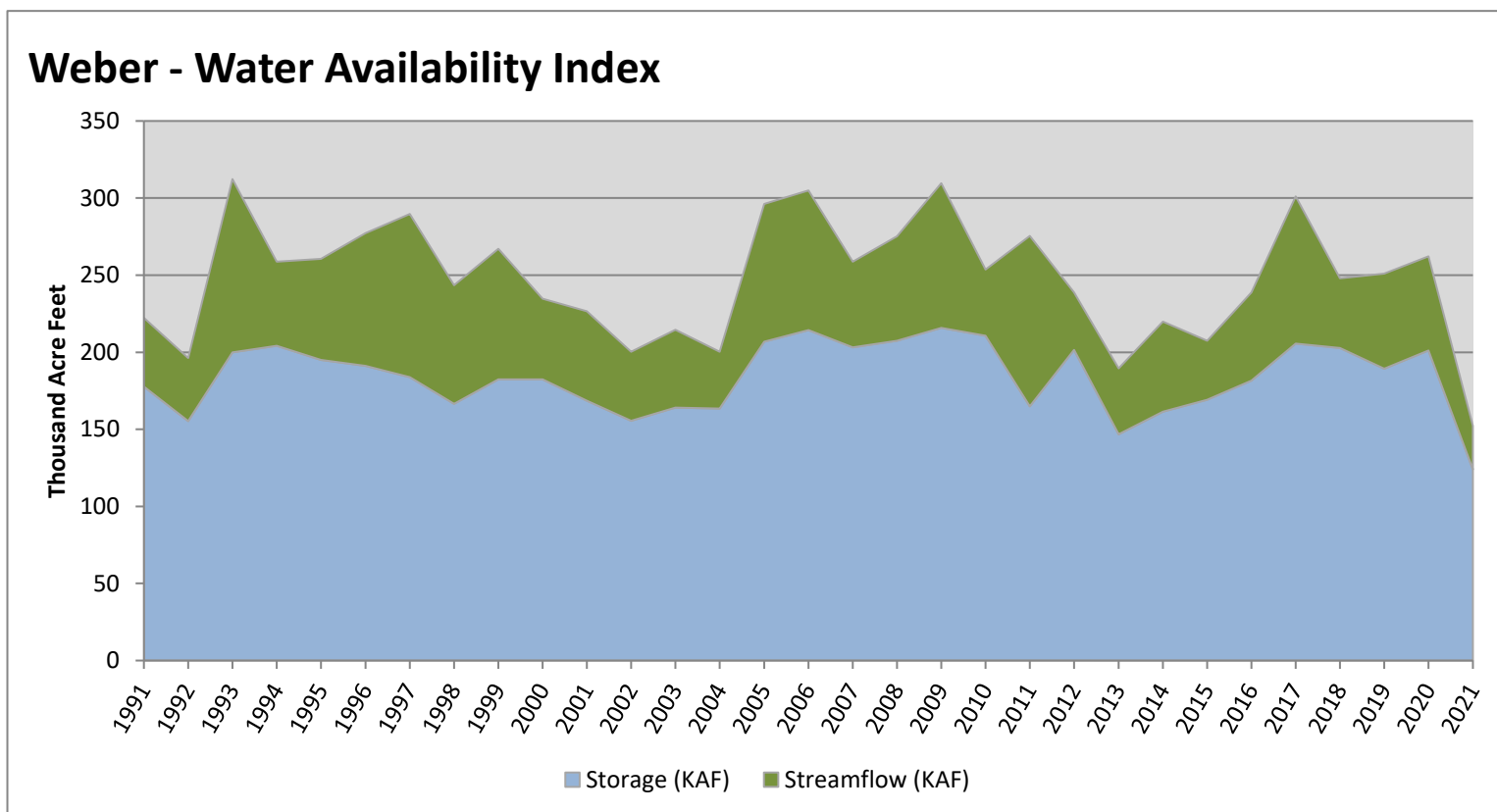


June 1, 2021

Water Availability Index

Basin or Region	May EOM [*] Storage	May Flow	Storage + Flow	Percentile	WAI [#]	Years with similar WAI
	KAF [^]	KAF [^]	KAF [^]	%		
Weber	124.01	28.28	152.29	3	-3.91	13, 92, 02, 04

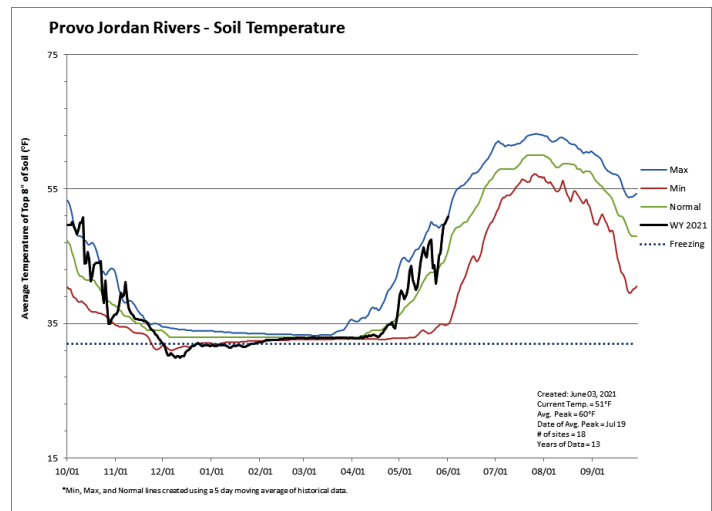
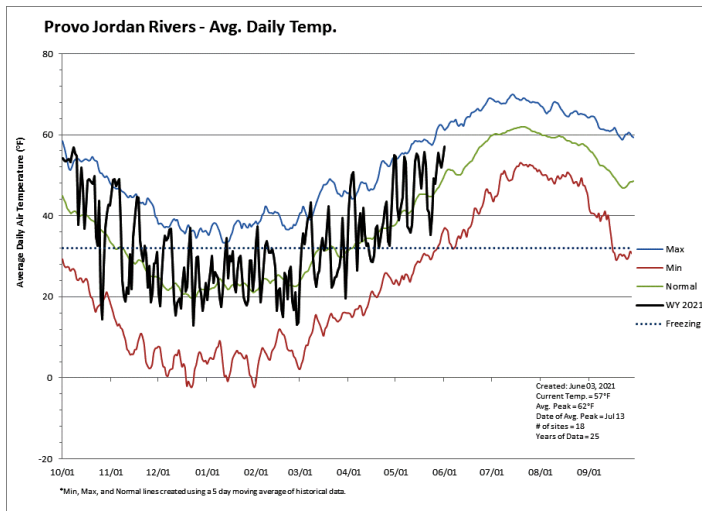
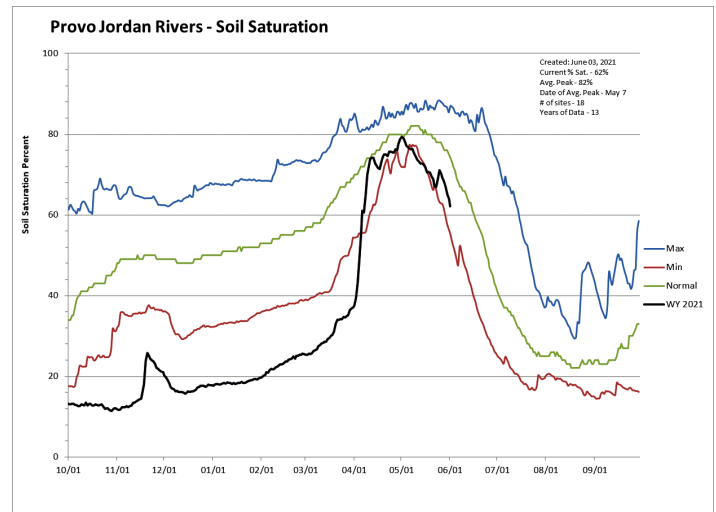
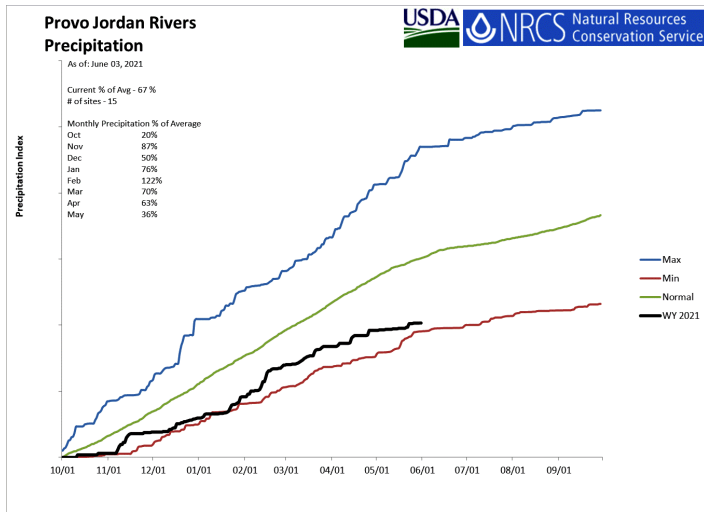
^{*}EOM, end of month; [#]WAI, Water Availability Index; [^]KAF, thousand acre-feet.



Provo & Jordan River Basins

June 1, 2021

Precipitation in May was much below average at 36%, which brings the seasonal accumulation (Oct-May) to 67% of average. Soil moisture is at 63% compared to 62% last year. Reservoir storage is at 76% of capacity, compared to 94% last year. The water availability index for the Provo River is 4%.

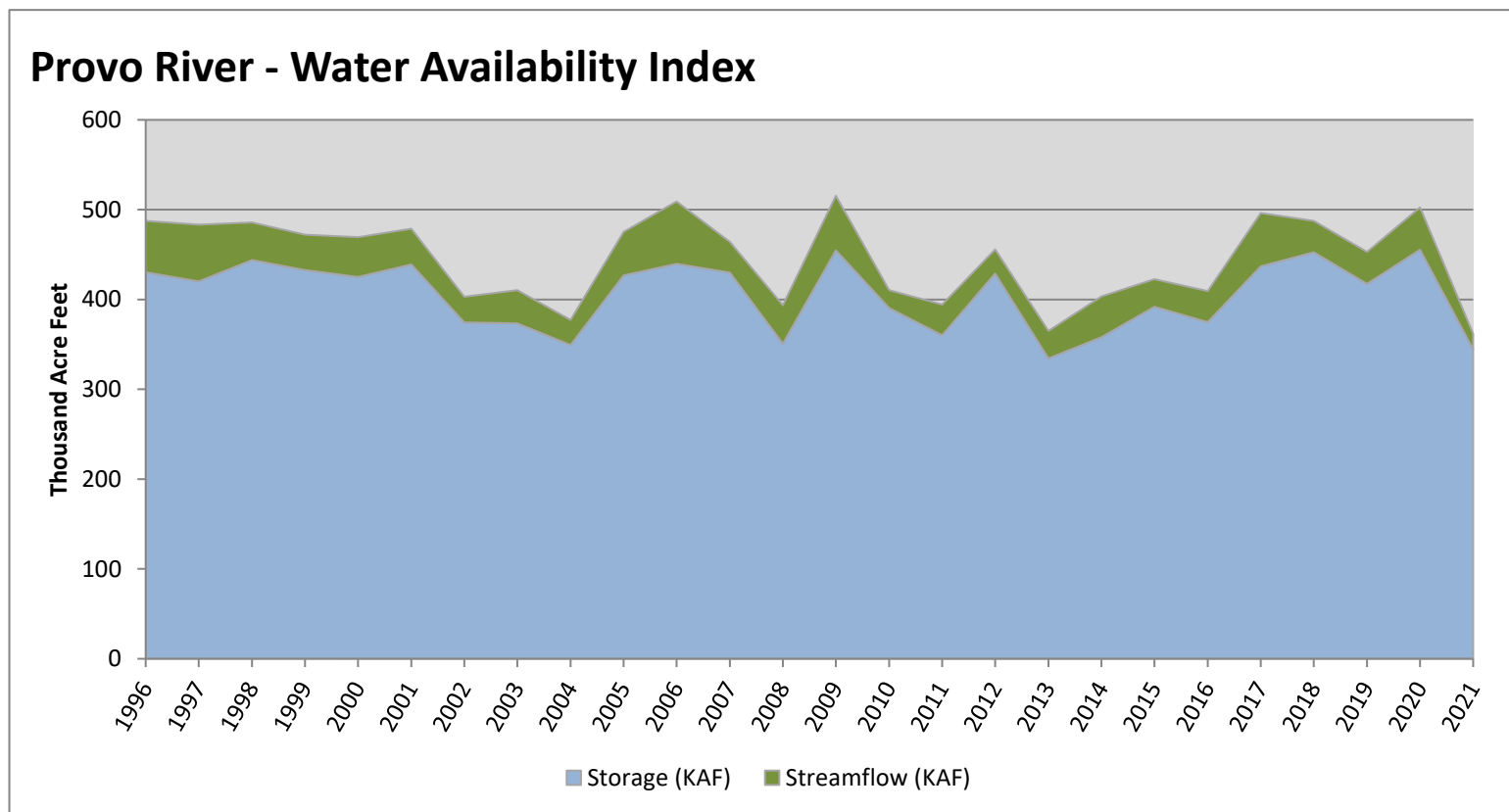


June 1, 2021

Water Availability Index

Basin or Region	May EOM [*] Storage	May Flow	Storage + Flow	Percentile	WAI [#]	Years with similar WAI
	KAF [^]	KAF [^]	KAF [^]	%		
Provo River	344.45	17.30	361.75	4	-3.86	13, 04, 08, 11

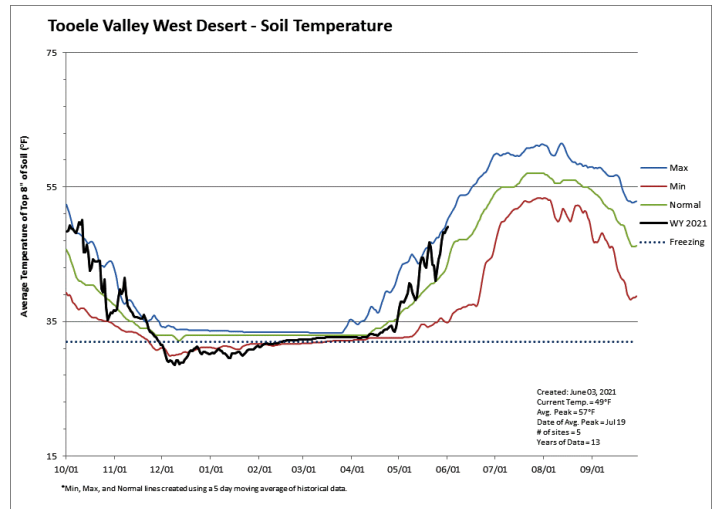
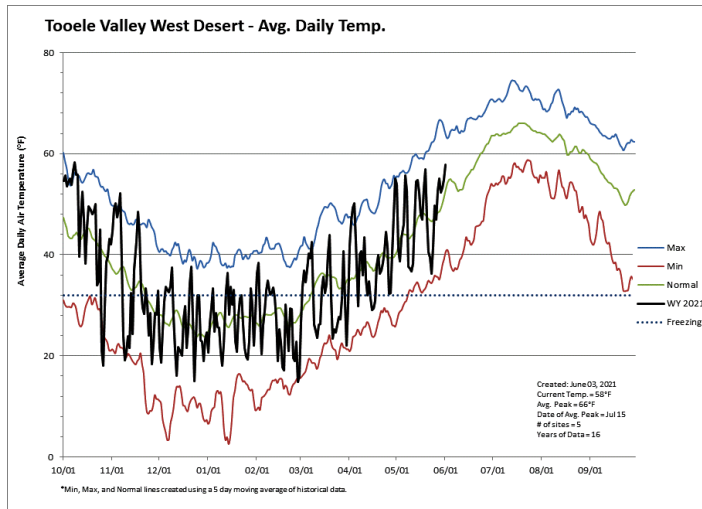
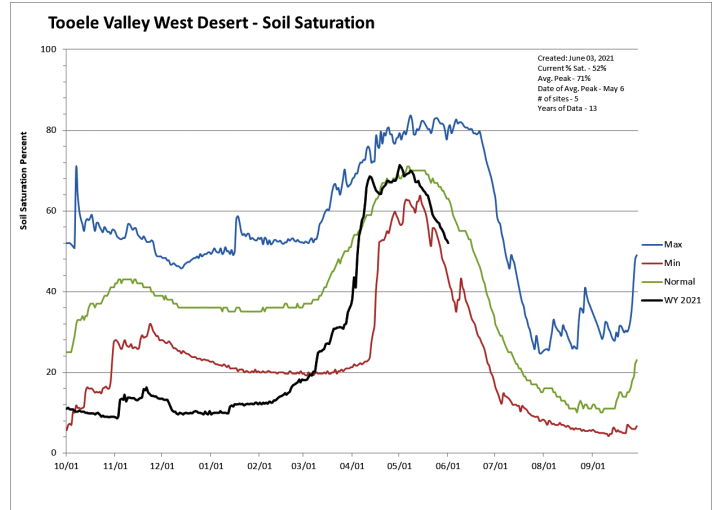
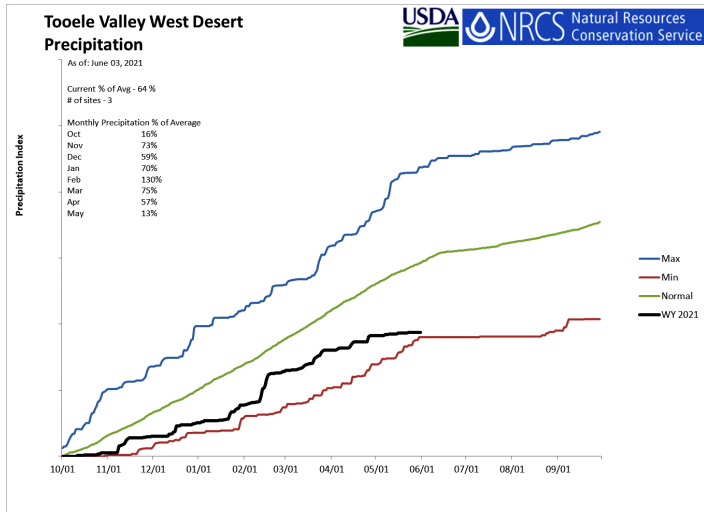
^{*}EOM, end of month; [#]WAI, Water Availability Index; [^]KAF, thousand acre-feet.



Tooele Valley & West Desert Basins

June 1, 2021

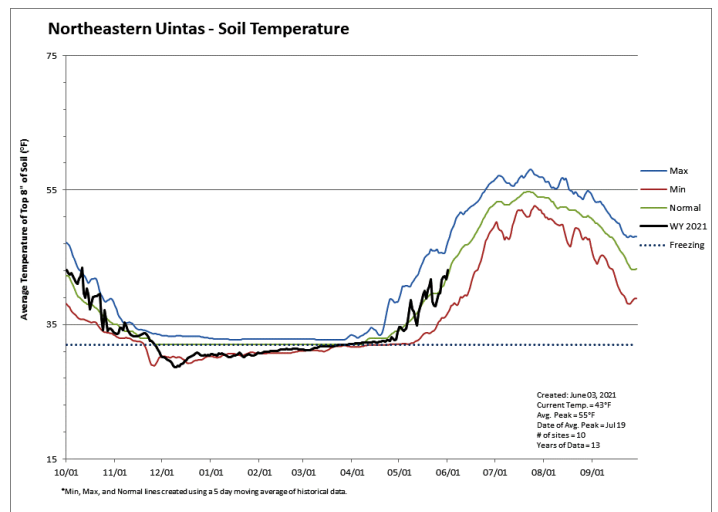
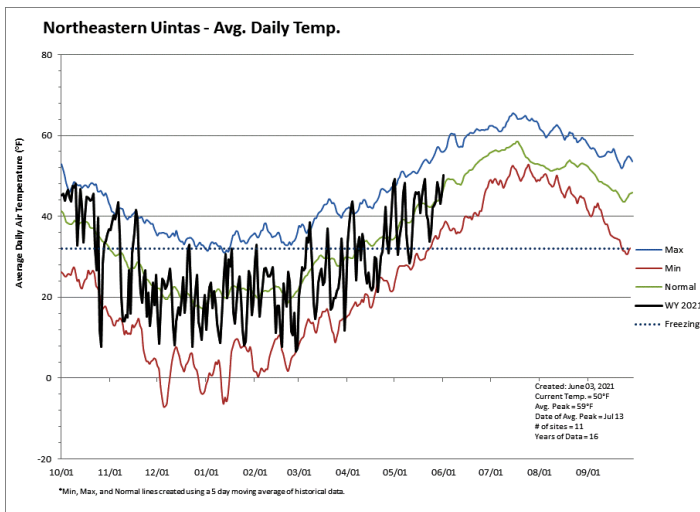
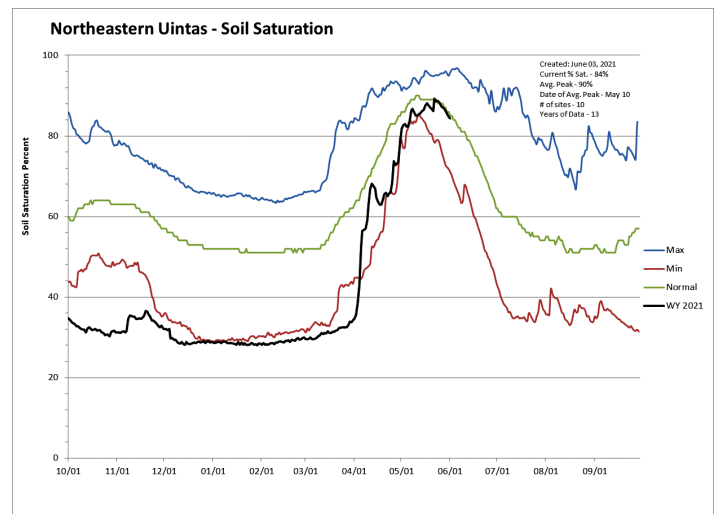
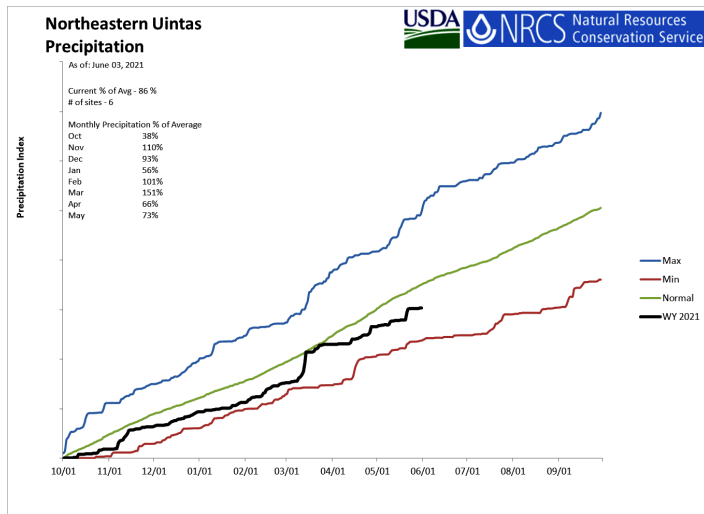
Precipitation in May was much below average at 13%, which brings the seasonal accumulation (Oct-May) to 64% of average. Soil moisture is at 52% compared to 54% last year. Reservoir storage is at 61% of capacity, compared to 64% last year.



Northeastern Uinta Basin

June 1, 2021

Precipitation in May was below average at 72%, which brings the seasonal accumulation (Oct-May) to 86% of average. Soil moisture is at 83% compared to 85% last year. Reservoir storage is at 84% of capacity, compared to 86% last year. The water availability index for Blacks Fork is 18% and 37% for Smiths Creek.

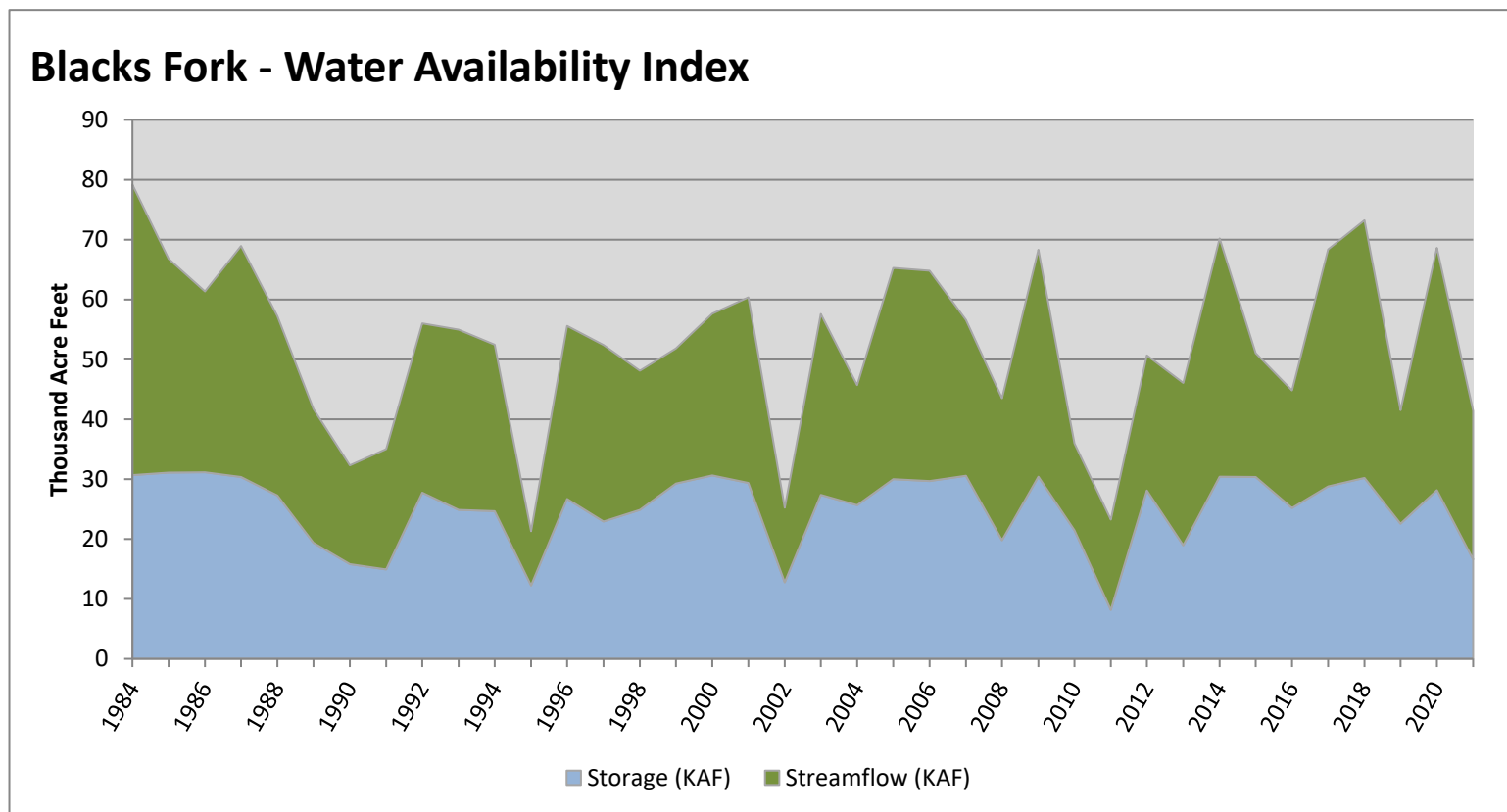


June 1, 2021

Water Availability Index

Basin or Region	May EOM [*] Storage	May Flow	Storage + Flow	Percentile	WAI [#]	Years with similar WAI
	KAF [^]	KAF [^]	KAF [^]	%		
Blacks Fork	16.61	24.78	41.39	18	-2.67	91, 10, 19, 89

^{*}EOM, end of month; [#]WAI, Water Availability Index; [^]KAF, thousand acre-feet.

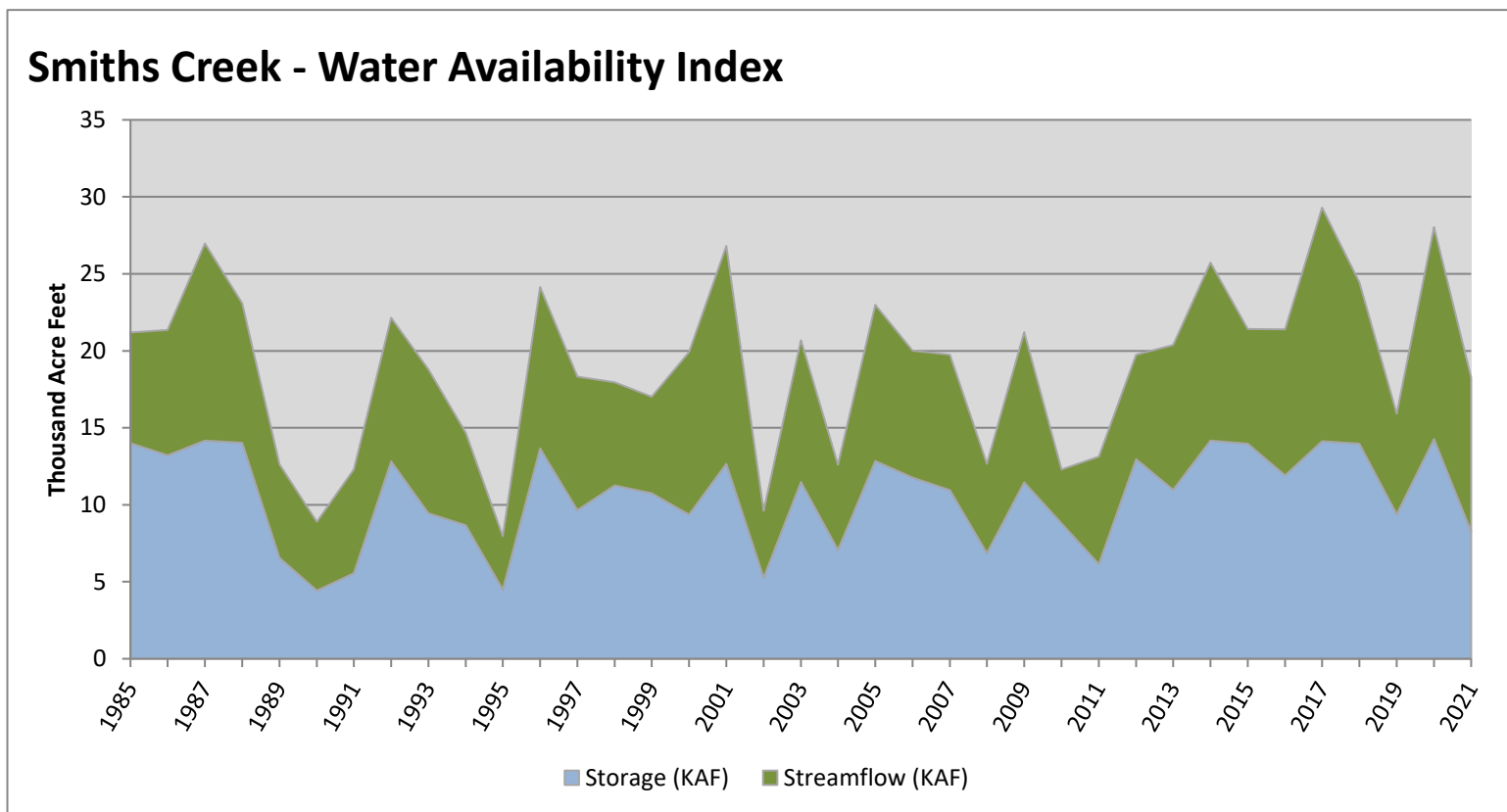


June 1, 2021

Water Availability Index

Basin or Region	May EOM [*] Storage	May Flow	Storage + Flow	Percentile	WAI [#]	Years with similar WAI
	KAF [^]	KAF [^]	KAF [^]	%		
Smiths Creek	8.27	10.00	18.27	37	-1.1	99, 98, 97, 93

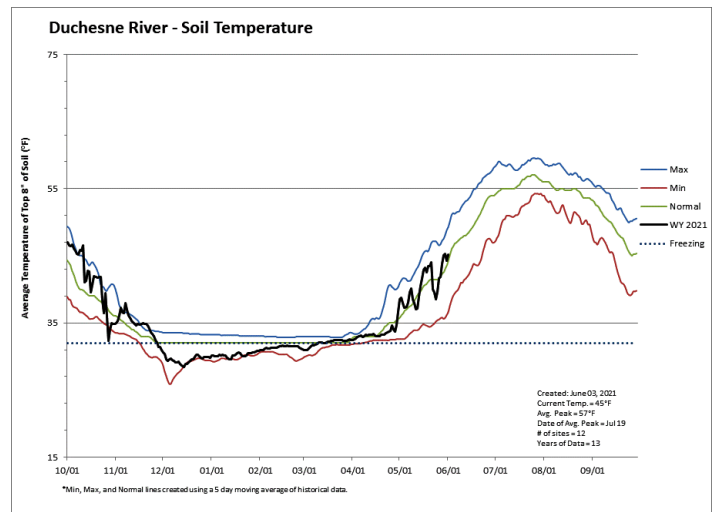
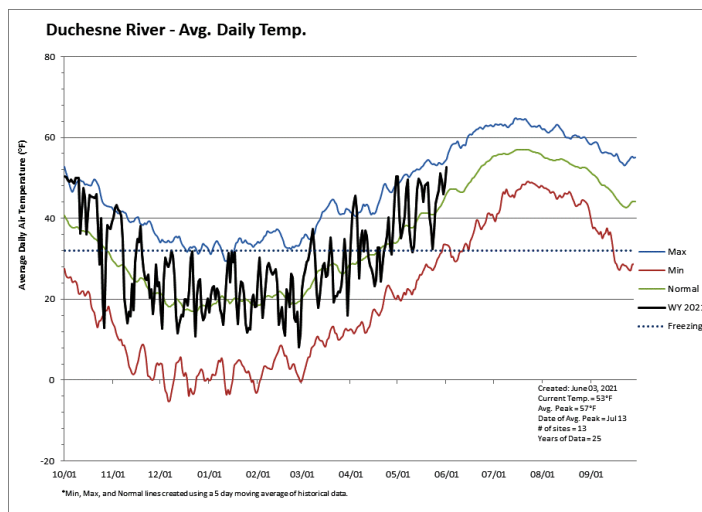
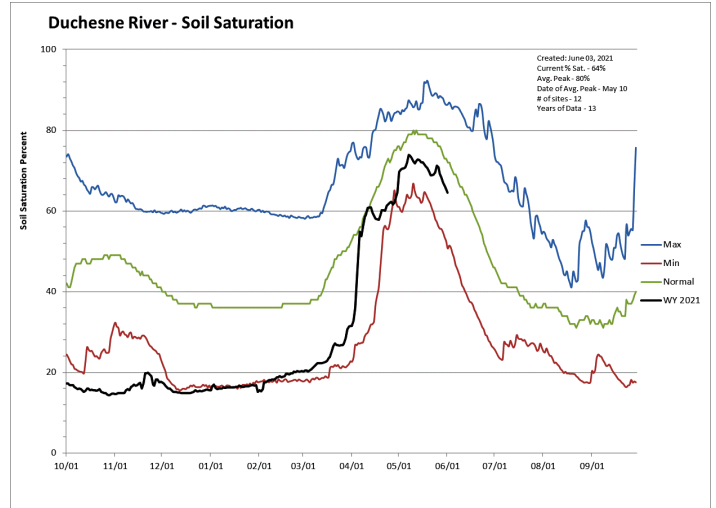
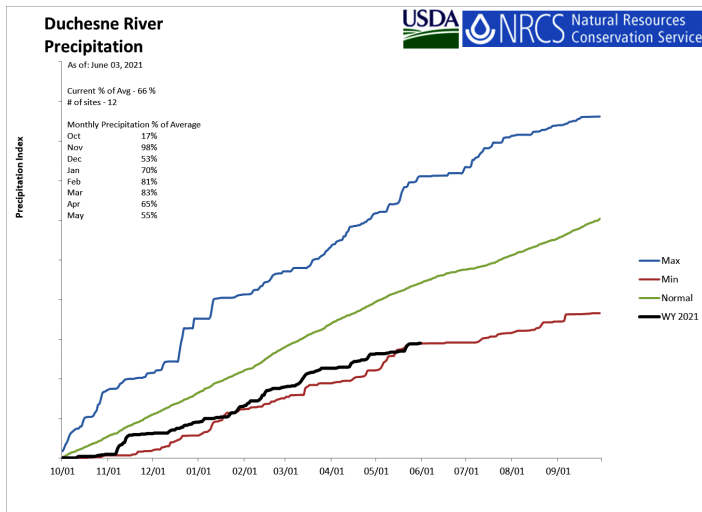
^{*}EOM, end of month; [#]WAI, Water Availability Index; [^]KAF, thousand acre-feet.



Duchesne River Basin

June 1, 2021

Precipitation in May was much below average at 55%, which brings the seasonal accumulation (Oct-May) to 66% of average. Soil moisture is at 64% compared to 62% last year. Reservoir storage is at 80% of capacity, compared to 90% last year. The water availability index for the Western Uintas is 31% and 5% for the Eastern Uintas.

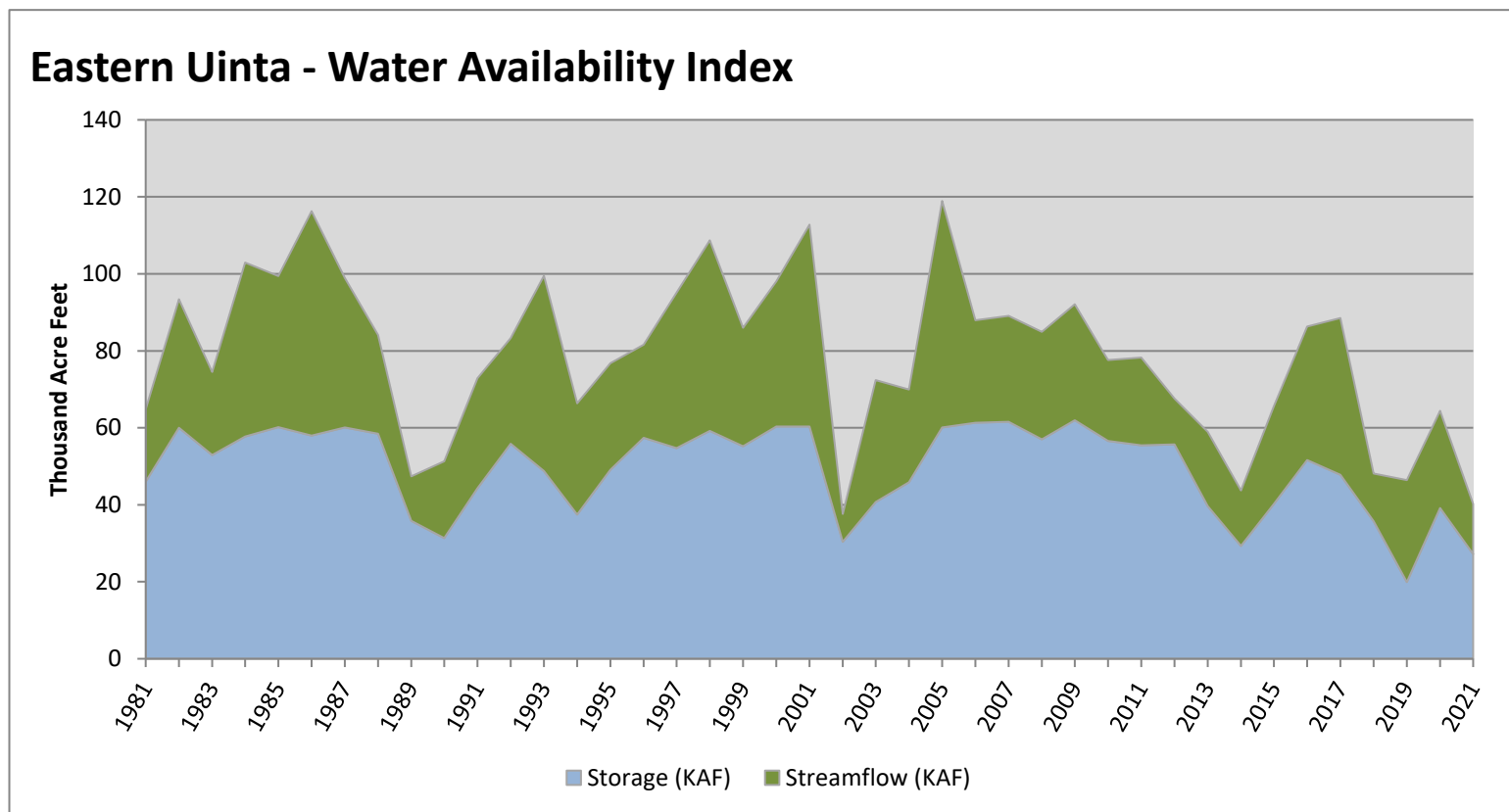


June 1, 2021

Water Availability Index

Basin or Region	May EOM [*] Storage	May Flow	Storage + Flow	Percentile	WAI [#]	Years with similar WAI
	KAF [^]	KAF [^]	KAF [^]	%		
Eastern Uinta	27.20	13.02	40.22	5	-3.77	02, 14, 19, 89

^{*}EOM, end of month; [#]WAI, Water Availability Index; [^]KAF, thousand acre-feet.

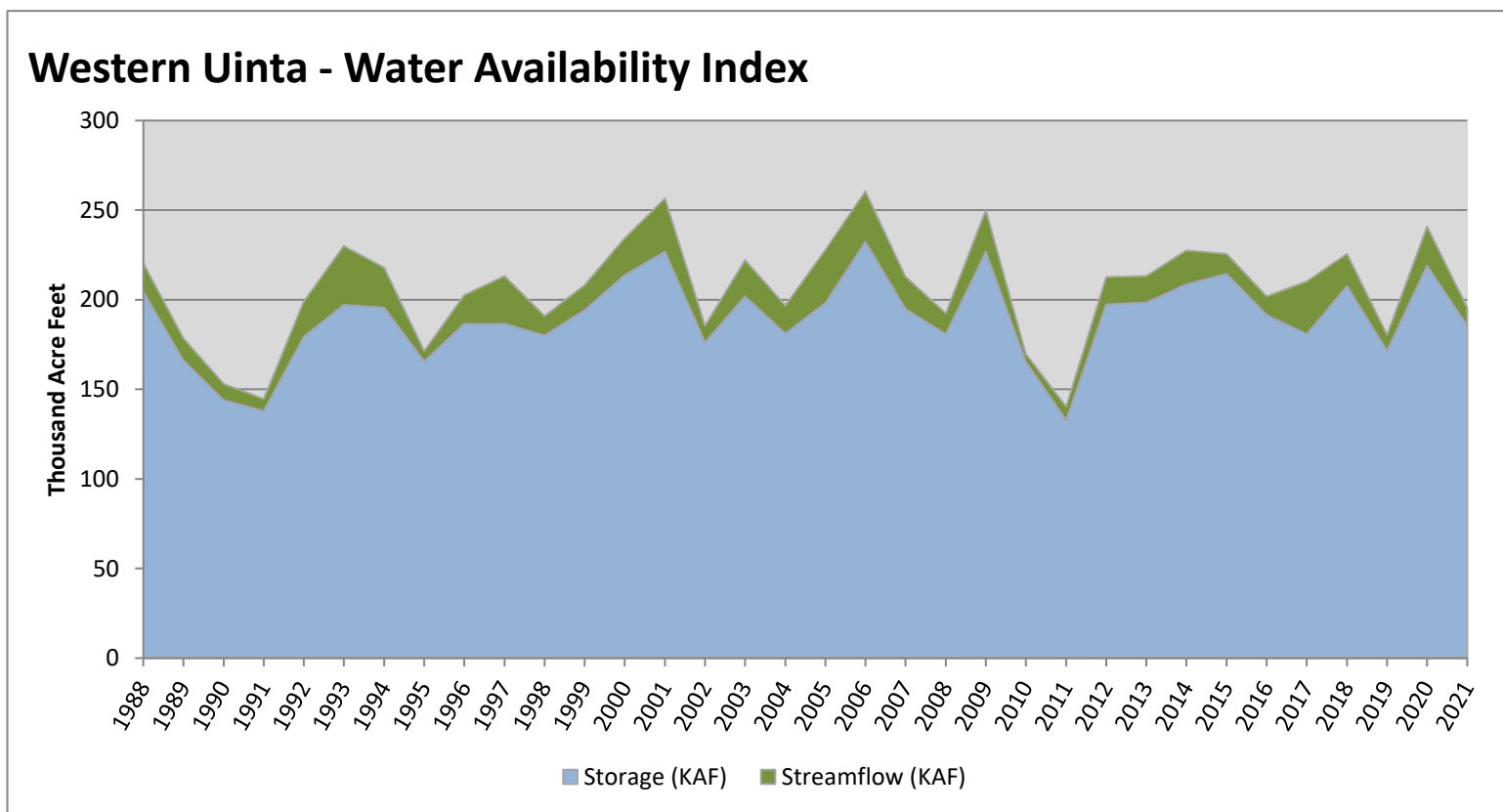


June 1, 2021

Water Availability Index

Basin or Region	May EOM [*] Storage	May Flow	Storage + Flow	Percentile	WAI [#]	Years with similar WAI
	KAF [^]	KAF [^]	KAF [^]	%		
Western Uinta	185.55	10.02	195.57	31	-1.55	98, 08, 04, 92

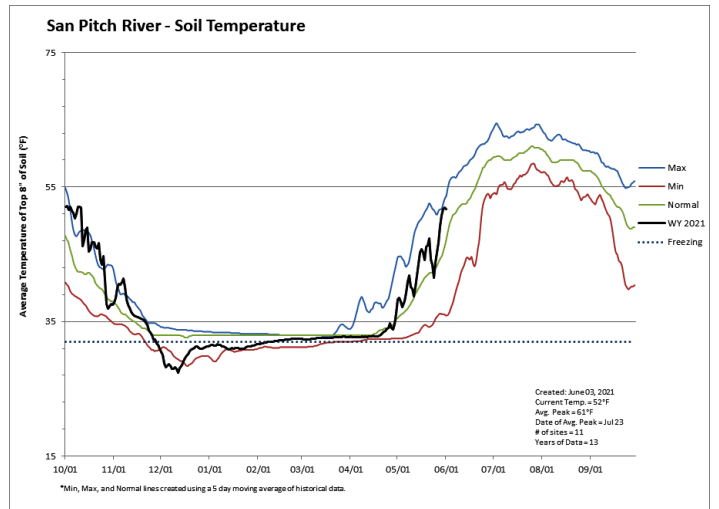
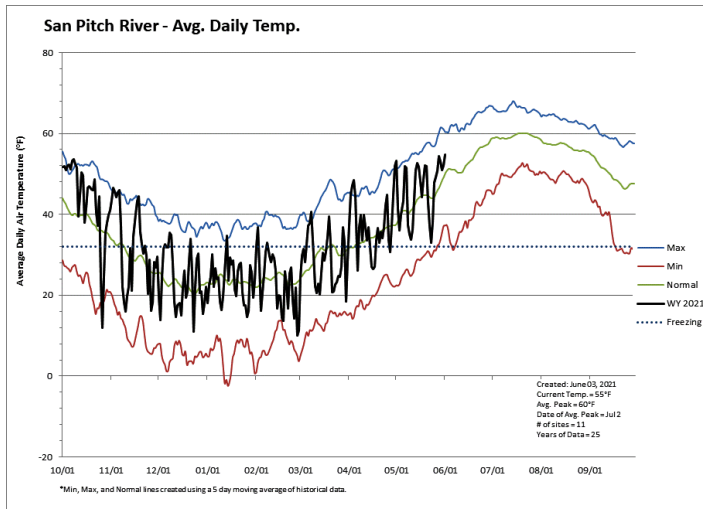
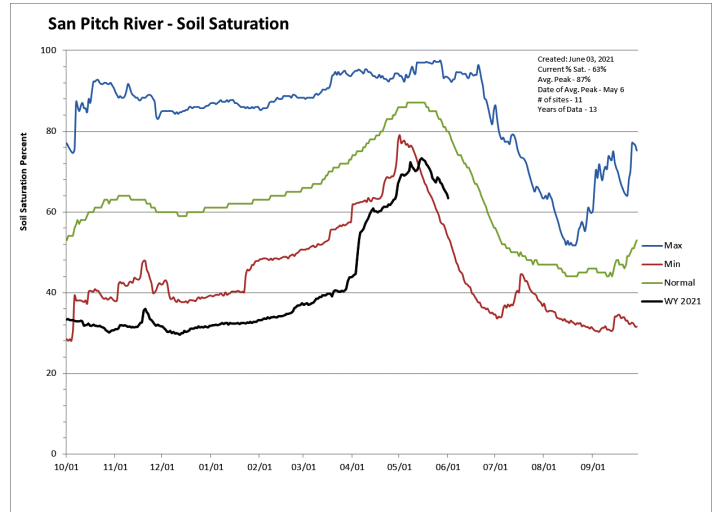
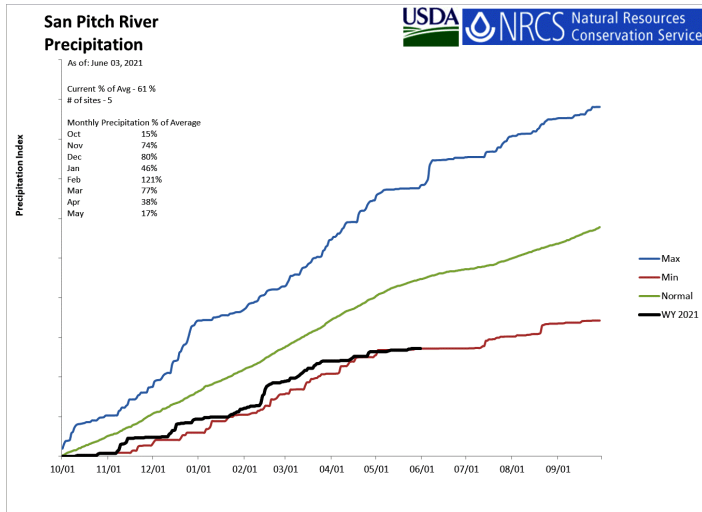
^{*}EOM, end of month; [#]WAI, Water Availability Index; [^]KAF, thousand acre-feet.



San Pitch River Basin

June 1, 2021

Precipitation in May was much below average at 17%, which brings the seasonal accumulation (Oct-May) to 61% of average. Soil Moisture is at 64% compared to 73% last year. Reservoir storage is at 0% of capacity, compared to 33% last year. The water availability index for the San Pitch is 2%.

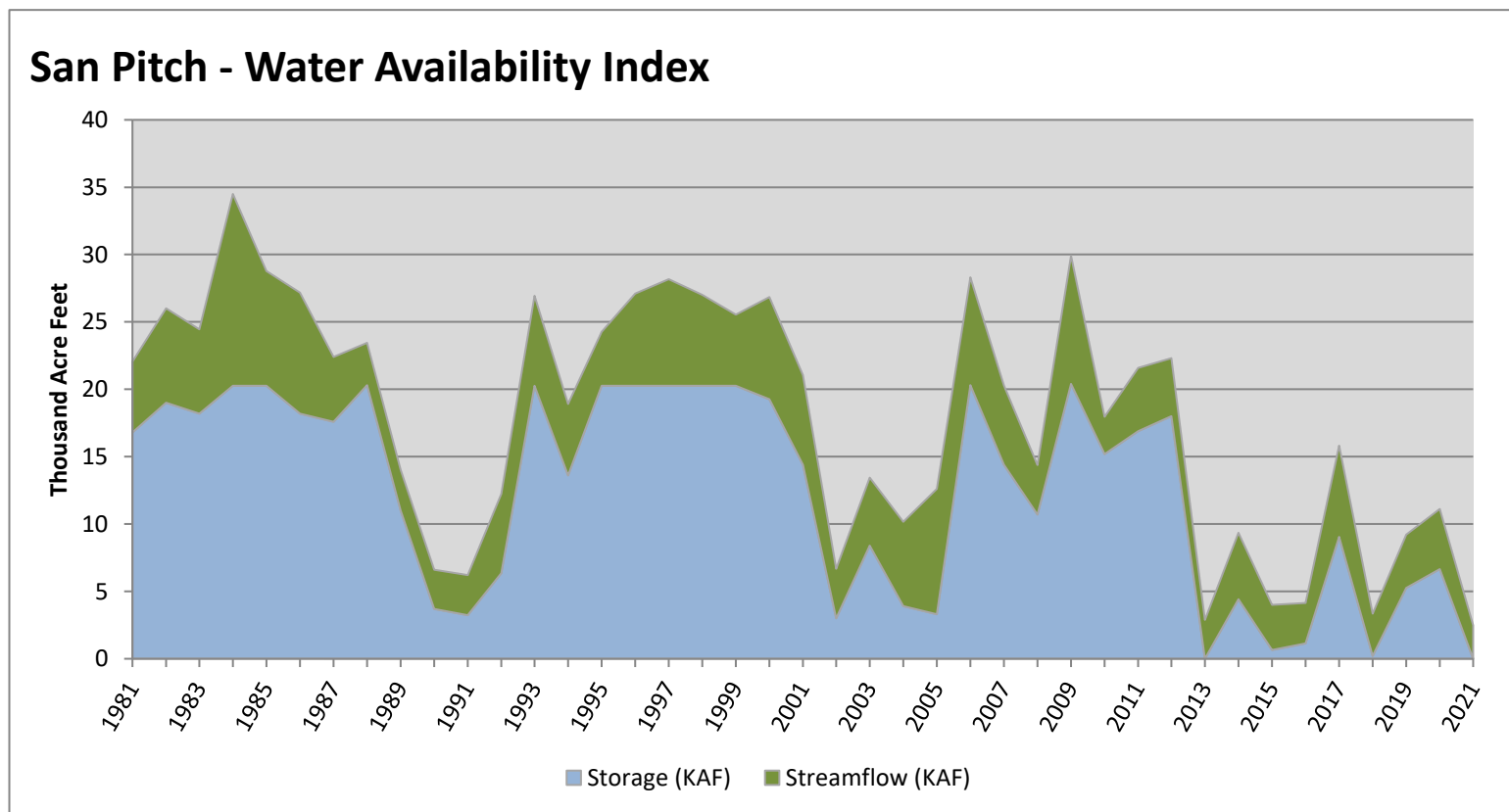


June 1, 2021

Water Availability Index

Basin or Region	May EOM [*] Storage	May Flow	Storage + Flow	Percentile	WAI [#]	Years with similar WAI
	KAF [^]	KAF [^]	KAF [^]	%		
San Pitch	0.00	2.48	2.48	2	-3.97	13, 18, 15, 16

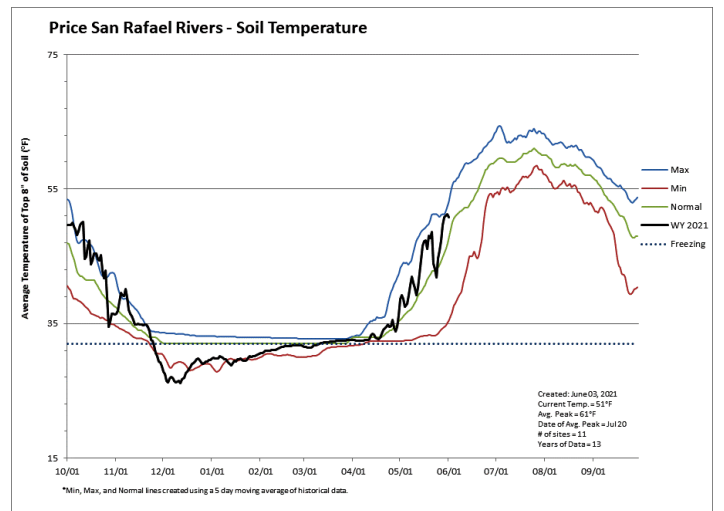
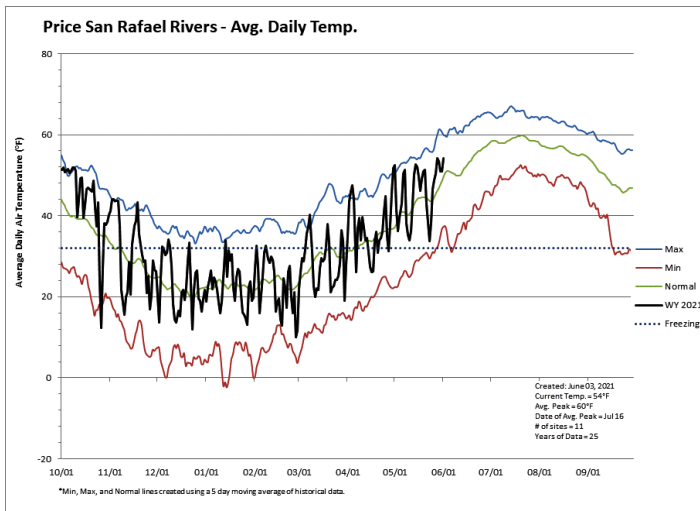
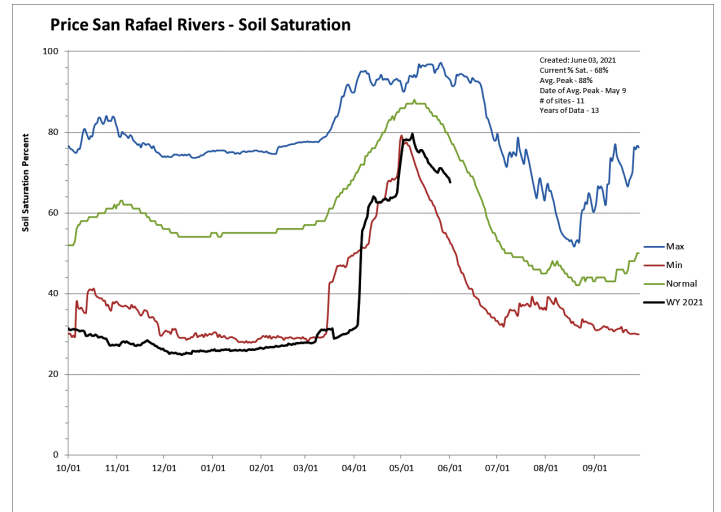
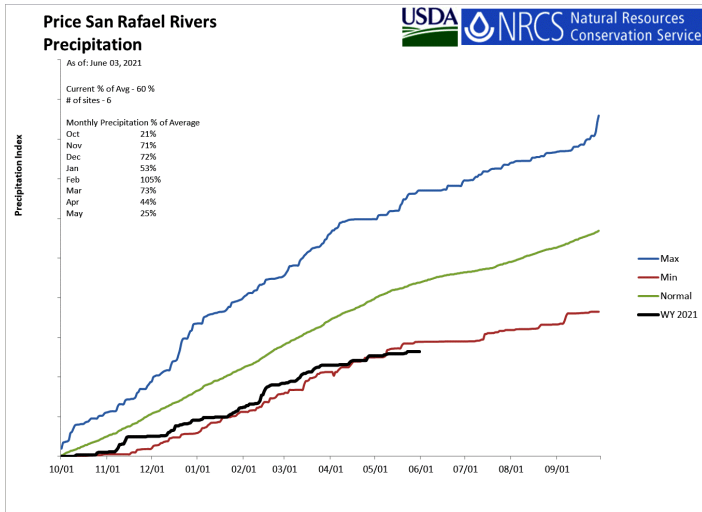
^{*}EOM, end of month; [#]WAI, Water Availability Index; [^]KAF, thousand acre-feet.



Price & San Rafael Basins

June 1, 2021

Precipitation in May was much below average at 25%, which brings the seasonal accumulation (Oct-May) to 60% of average. Soil moisture is at 68% compared to 70% last year. Reservoir storage is at 54% of capacity, compared to 88% last year. The water availability index for the Price River is 14%, and 5% for Joe's Valley.

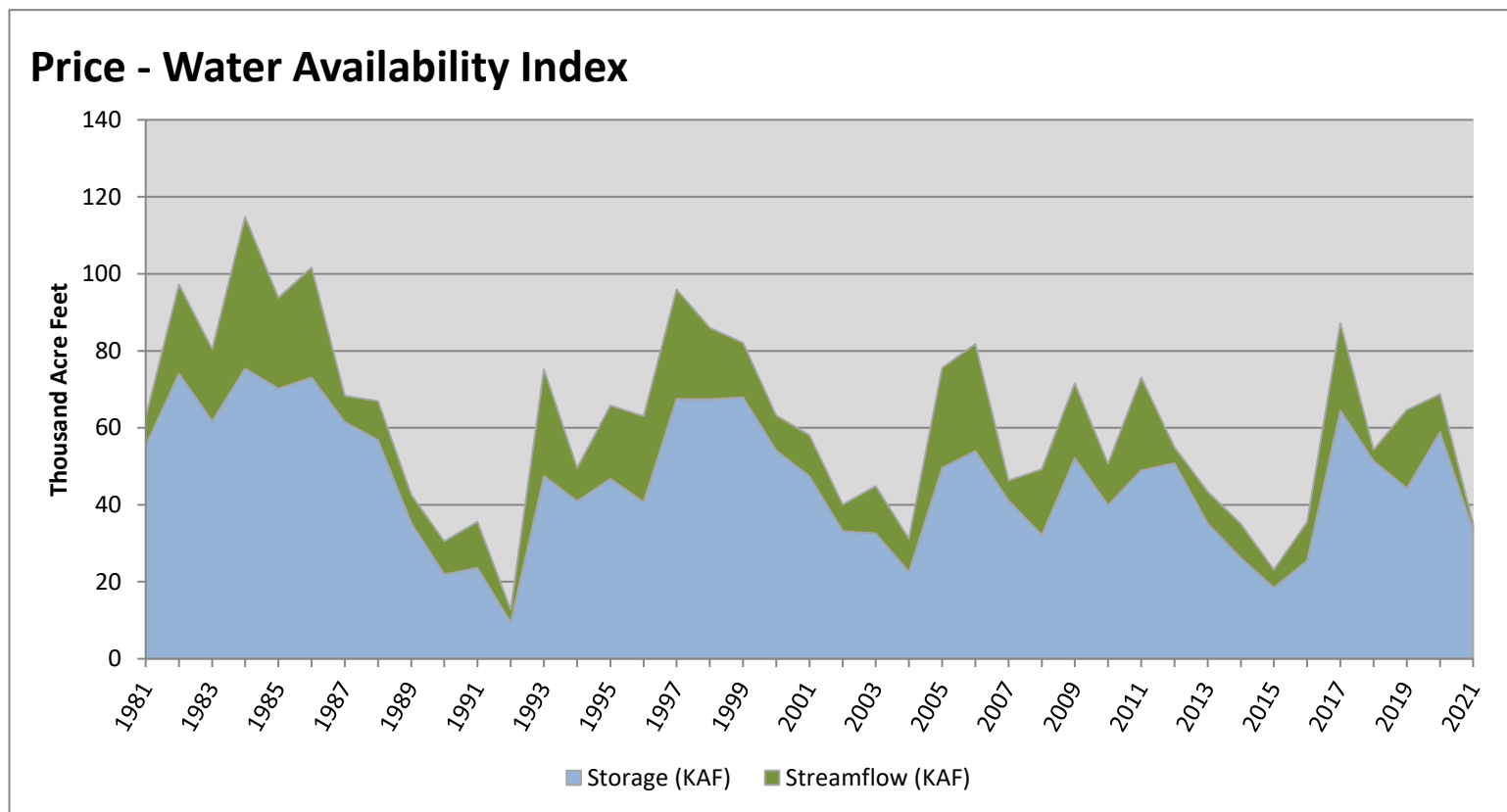


June 1, 2021

Water Availability Index

Basin or Region	May EOM [*] Storage	May Flow	Storage + Flow	Percentile	WAI [#]	Years with similar WAI
	KAF [^]	KAF [^]	KAF [^]	%		
Price	33.28	1.86	35.14	14	-2.98	04, 14, 16, 91

^{*}EOM, end of month; [#]WAI, Water Availability Index; [^]KAF, thousand acre-feet.

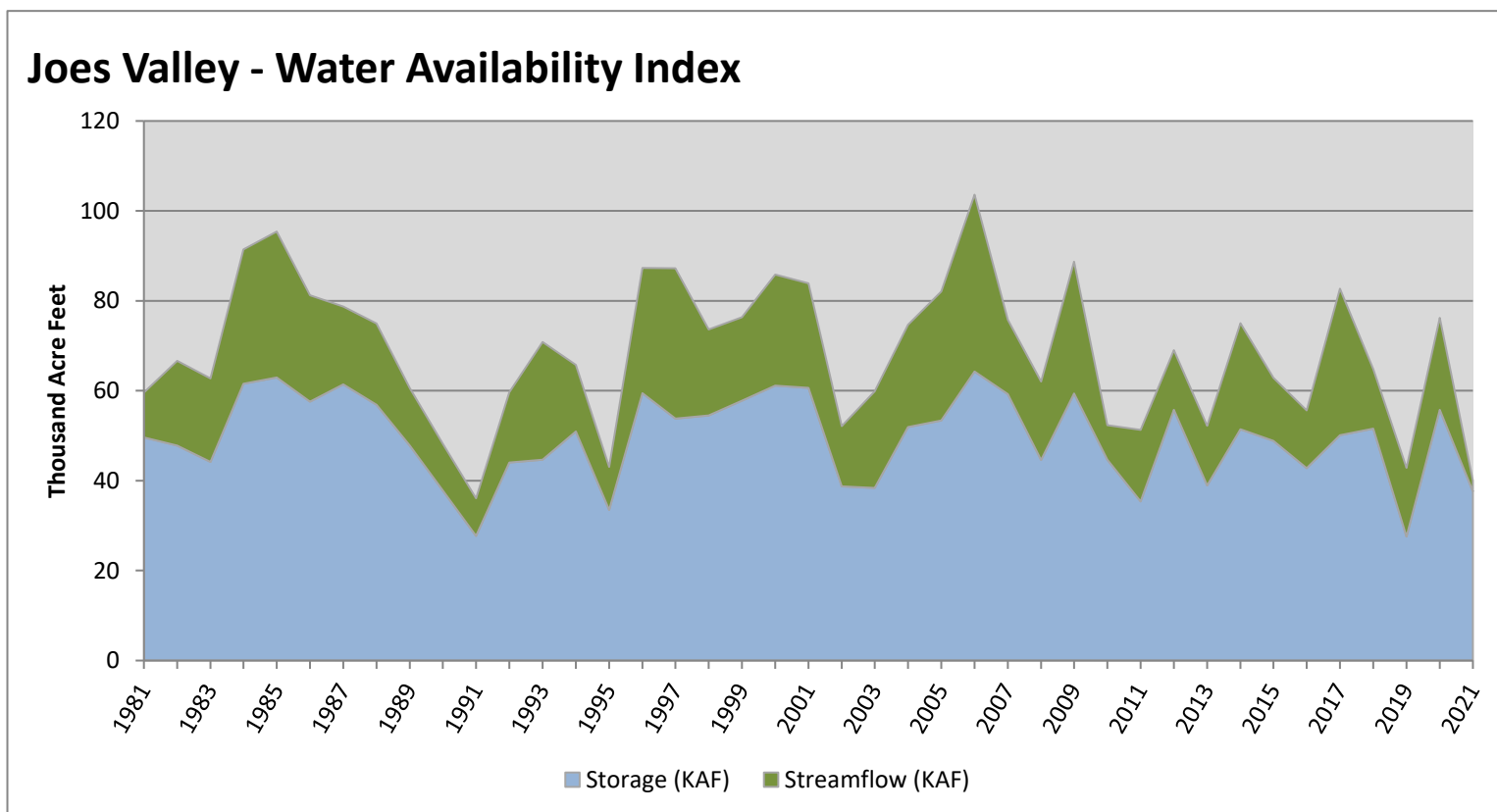


June 1, 2021

Water Availability Index

Basin or Region	May EOM [*] Storage	May Flow	Storage + Flow	Percentile	WAI [#]	Years with similar WAI
	KAF [^]	KAF [^]	KAF [^]	%		
Joes Valley	37.62	2.45	40.07	5	-3.77	91, 19, 95, 90

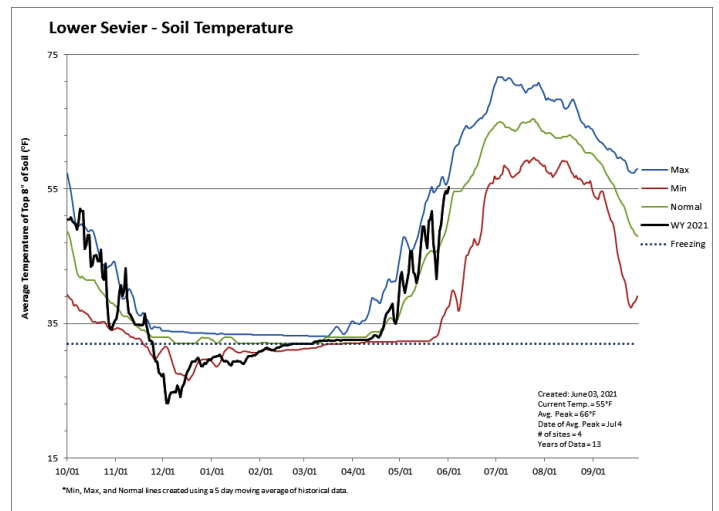
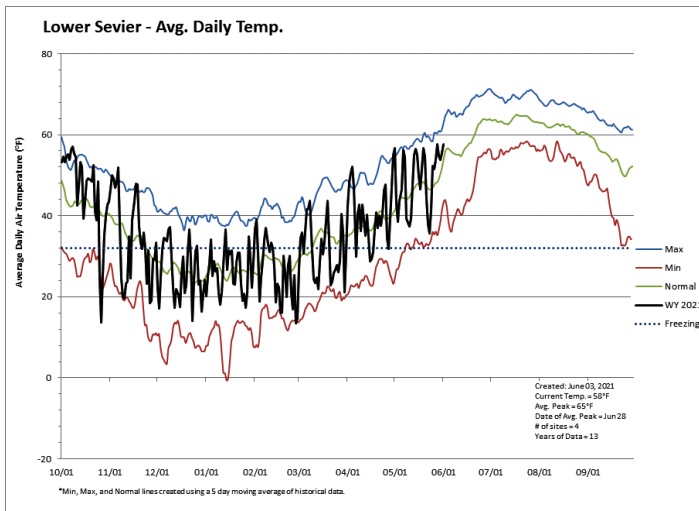
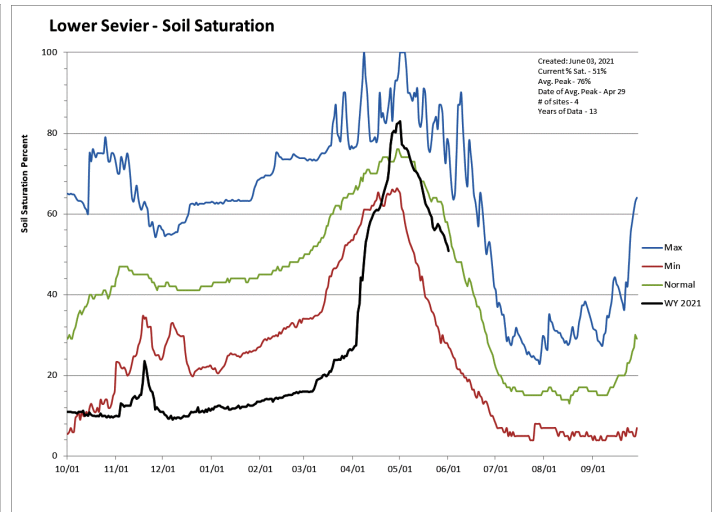
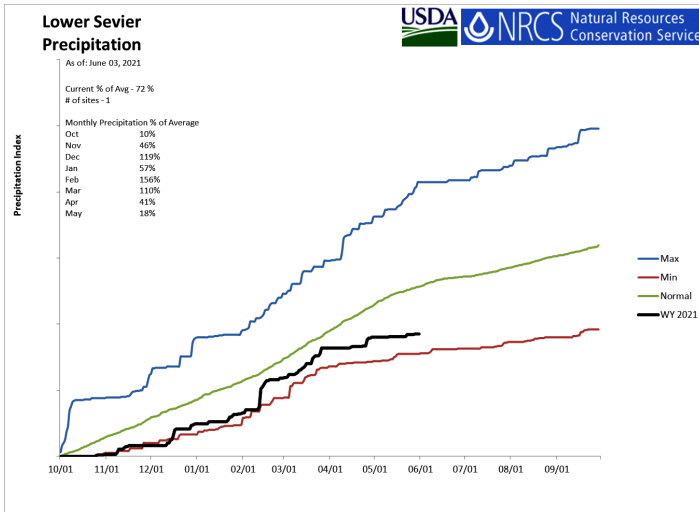
^{*}EOM, end of month; [#]WAI, Water Availability Index; [^]KAF, thousand acre-feet.



Lower Sevier Basin

June 1, 2021

Precipitation in May was much below average at 17%, which brings the seasonal accumulation (Oct-May) to 72% of average. Soil moisture is at 51% compared to 49% last year. Reservoir storage is at 27% of capacity, compared to 44% last year. The water availability index for the Lower Sevier is 7%.

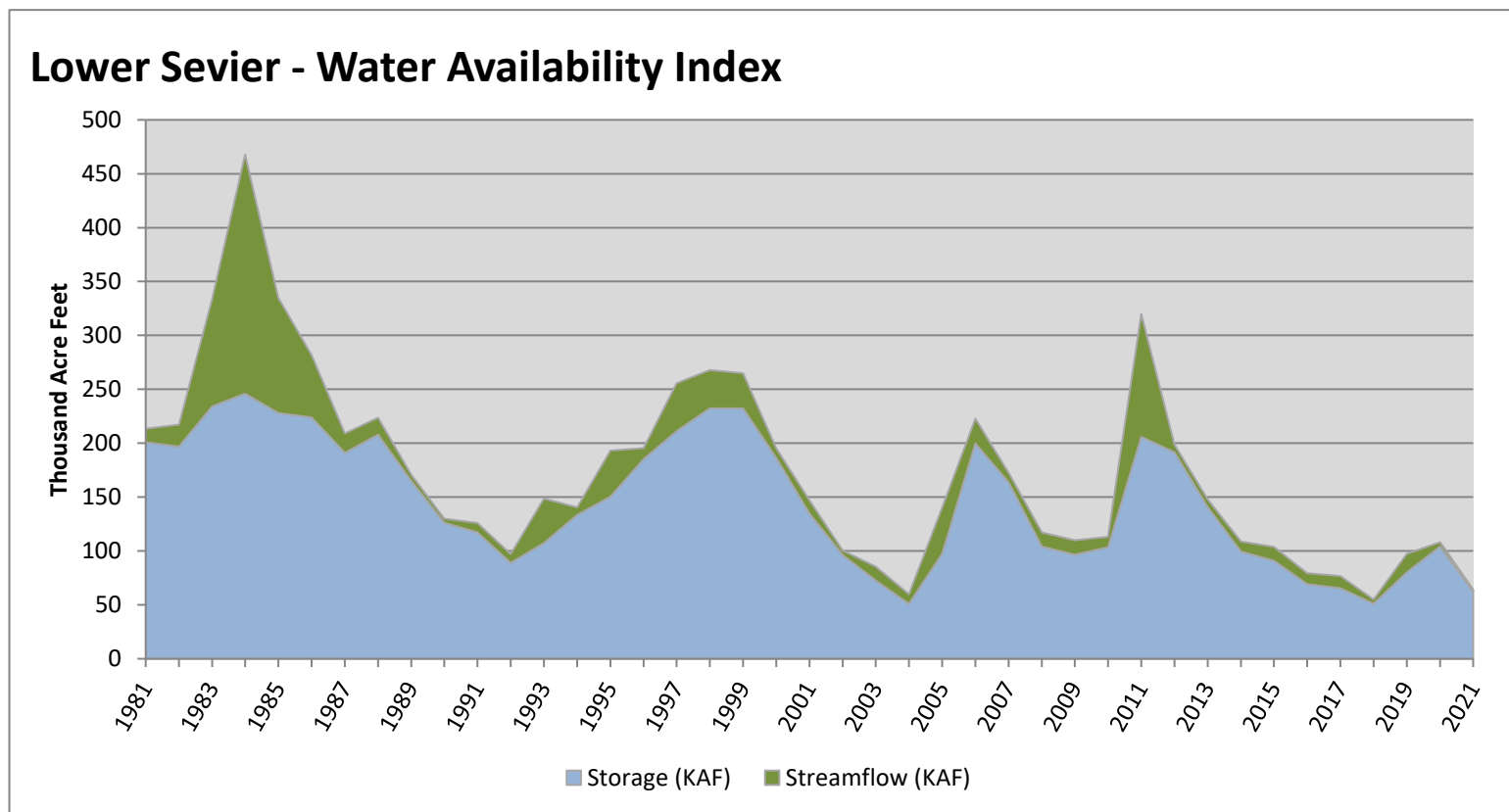


June 1, 2021

Water Availability Index

Basin or Region	May EOM [*] Storage	May Flow	Storage + Flow	Percentile	WAI [#]	Years with similar WAI
	KAF [^]	KAF [^]	KAF [^]	%		
Lower Sevier	62.60	1.71	64.31	7	-3.57	18, 04, 17, 16

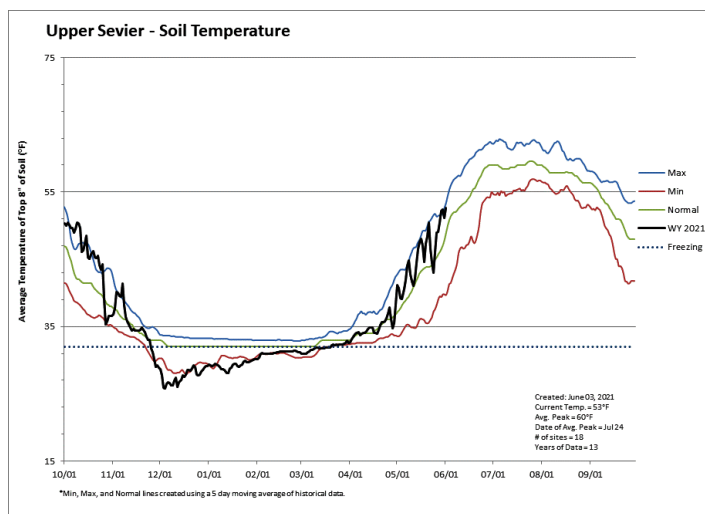
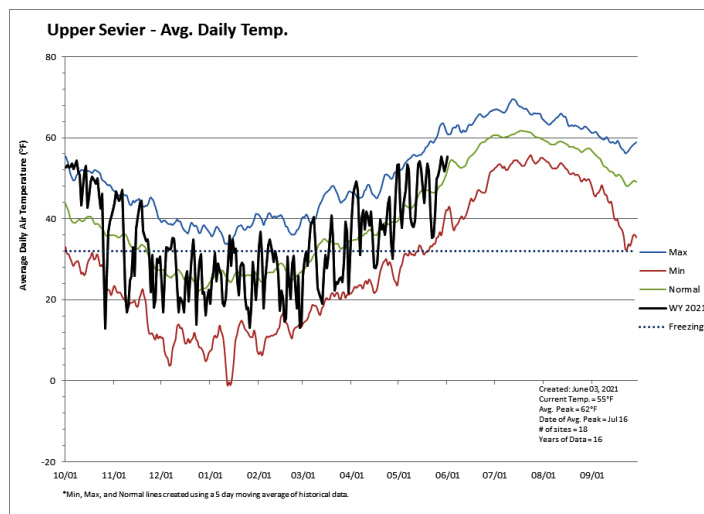
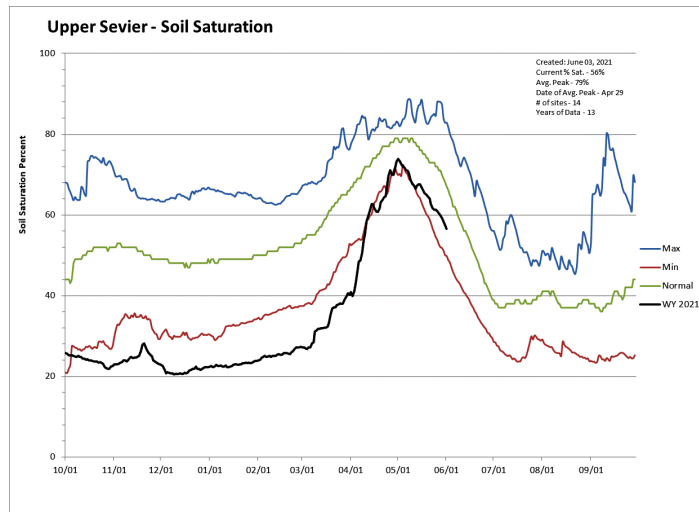
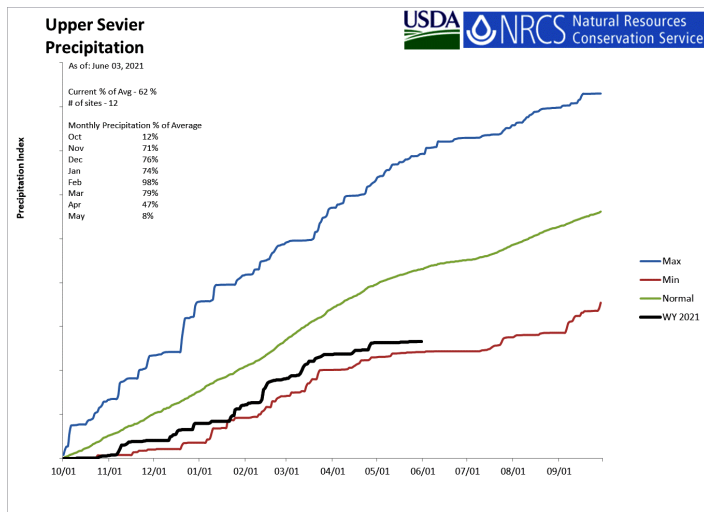
^{*}EOM, end of month; [#]WAI, Water Availability Index; [^]KAF, thousand acre-feet.



Upper Sevier Basin

June 1, 2021

Precipitation in May was much below average at 8%, which brings the seasonal accumulation (Oct-May) to 62% of average. Soil moisture is at 57% compared to 59% last year. Reservoir storage is at 39% of capacity, compared to 92% last year. The water availability index for the Upper Sevier is 5%.

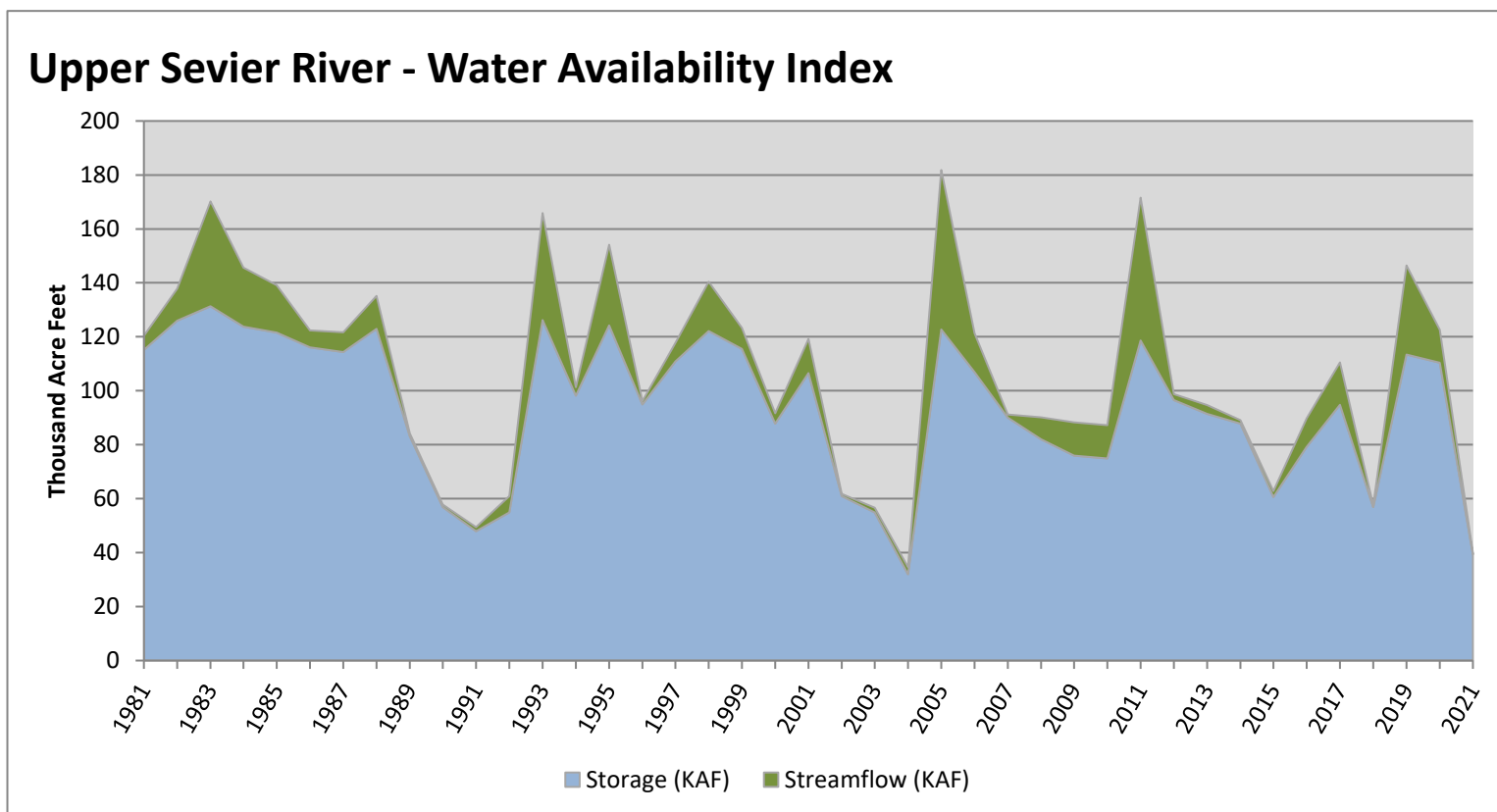


June 1, 2021

Water Availability Index

Basin or Region	May EOM [*] Storage	May Flow	Storage + Flow	Percentile	WAI [#]	Years with similar WAI
	KAF [^]	KAF [^]	KAF [^]	%		
Upper Sevier River	39.35	0.69	40.04	5	-3.77	04, 91, 03, 18

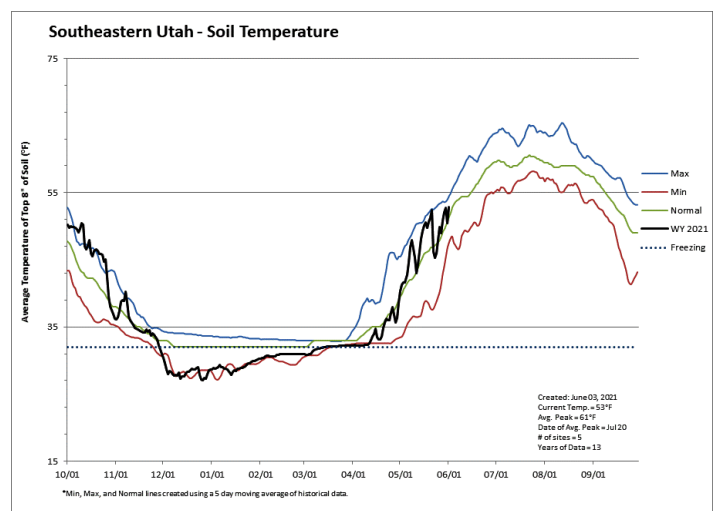
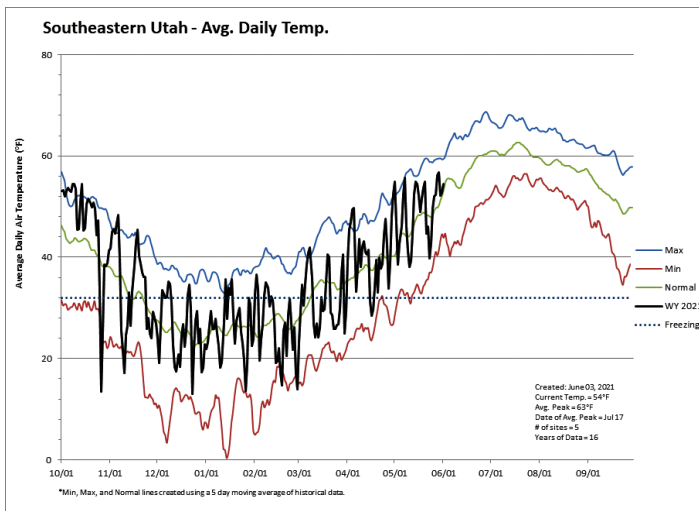
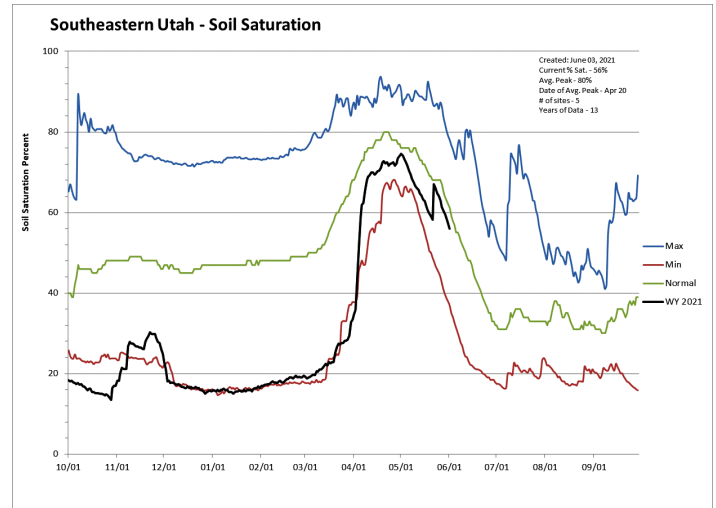
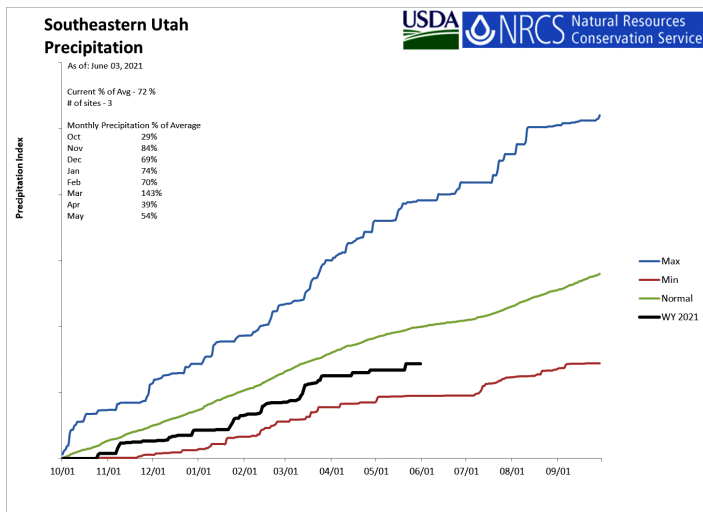
^{*}EOM, end of month; [#]WAI, Water Availability Index; [^]KAF, thousand acre-feet.



Southeastern Utah

June 1, 2021

Precipitation in May was much below average at 54%, which brings the seasonal accumulation (Oct-May) to 72% of average. Soil moisture is at 57% compared to 47% last year. Reservoir storage is at 38% of capacity, compared to 74% last year. The water availability index for Moab is 14%.

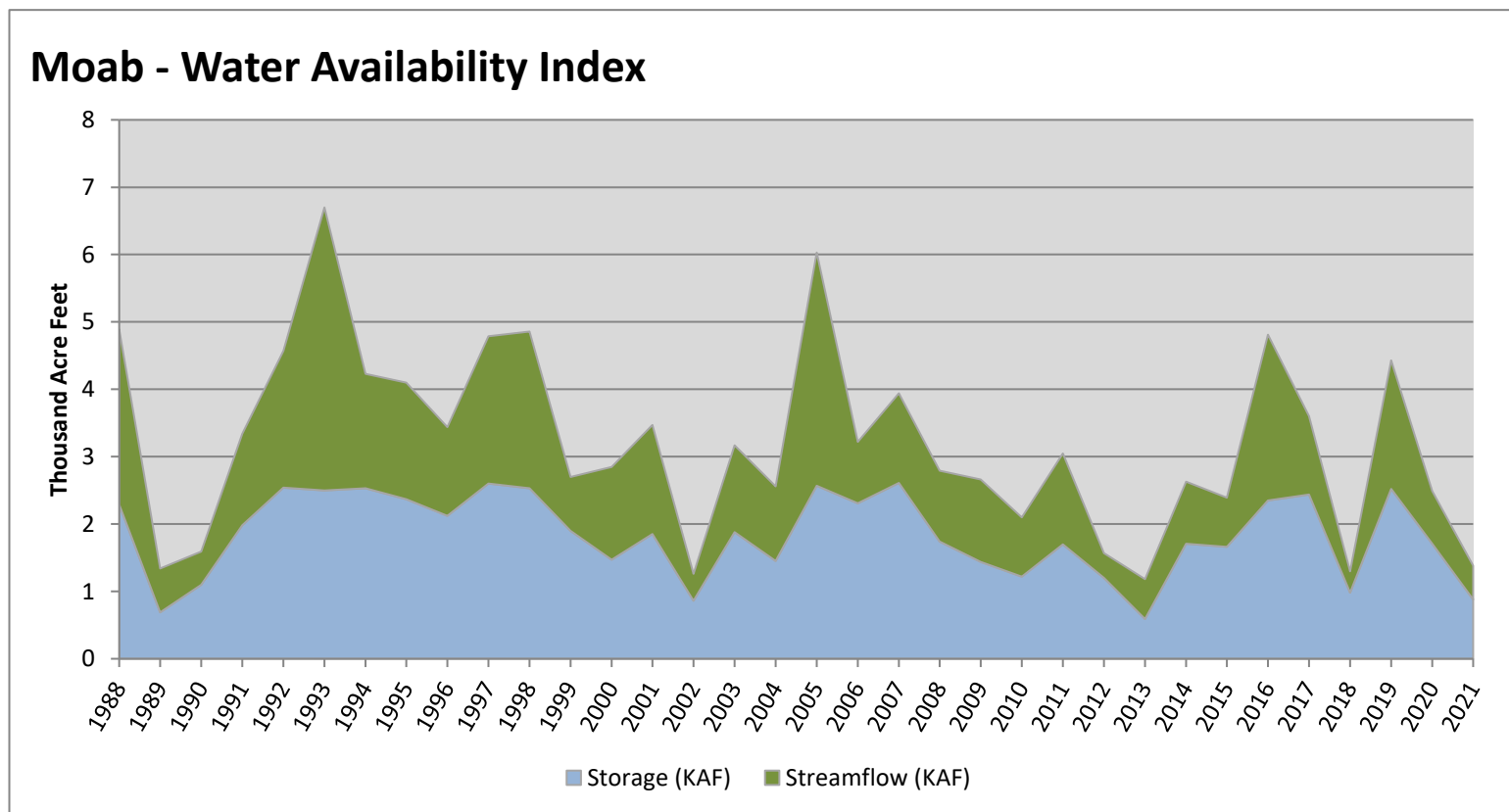


June 1, 2021

Water Availability Index

Basin or Region	May EOM [*] Storage	May Flow	Storage + Flow	Percentile	WAI [#]	Years with similar WAI
	KAF [^]	KAF [^]	KAF [^]	%		
Moab	0.88	0.50	1.38	14	-2.98	18, 89, 12, 90

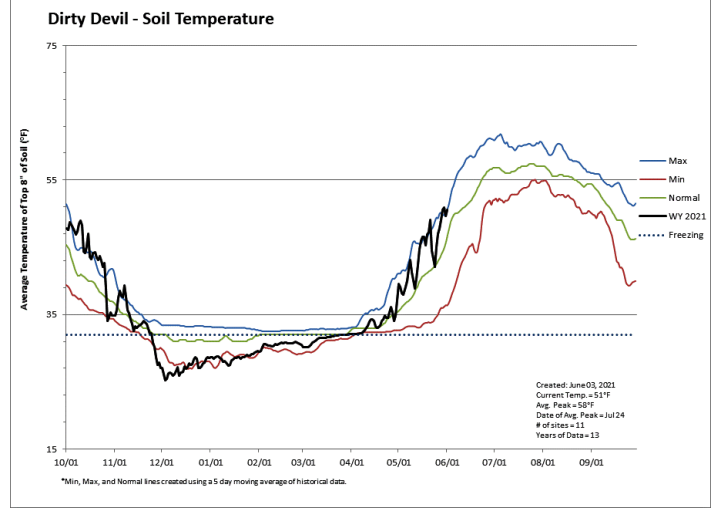
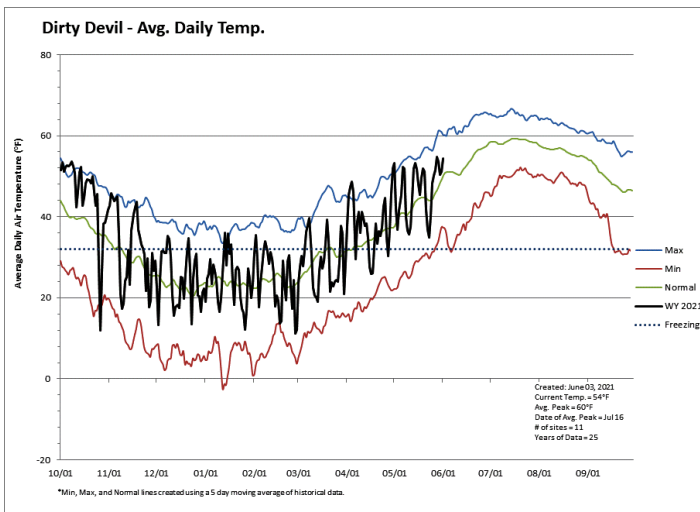
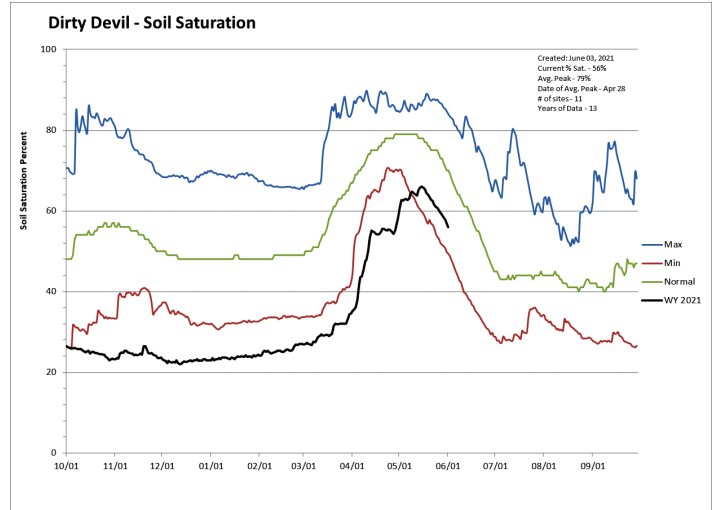
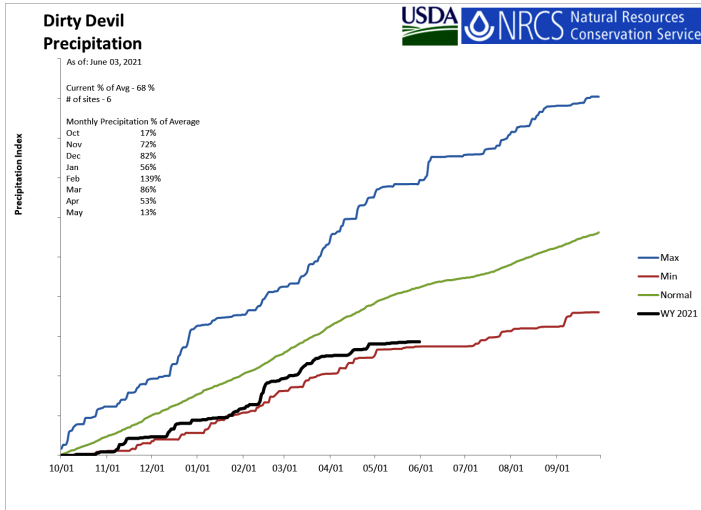
^{*}EOM, end of month; [#]WAI, Water Availability Index; [^]KAF, thousand acre-feet.



Dirty Devil Basin

June 1, 2021

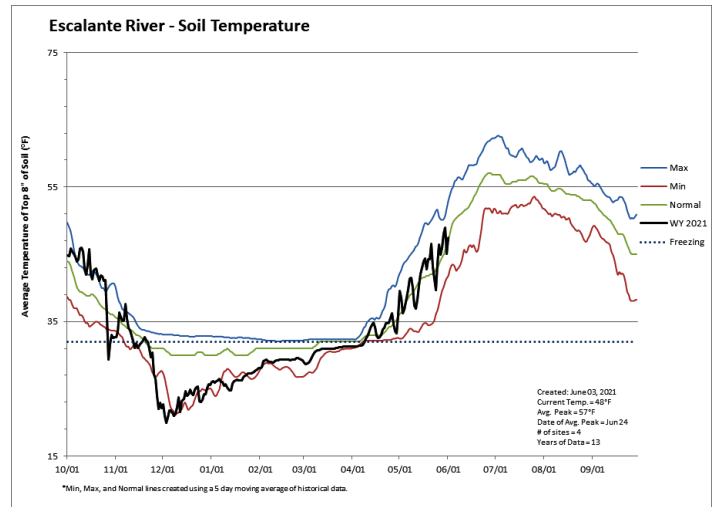
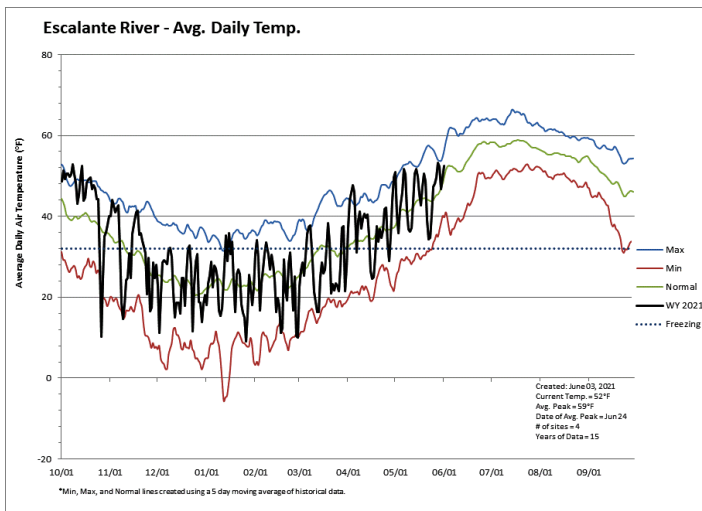
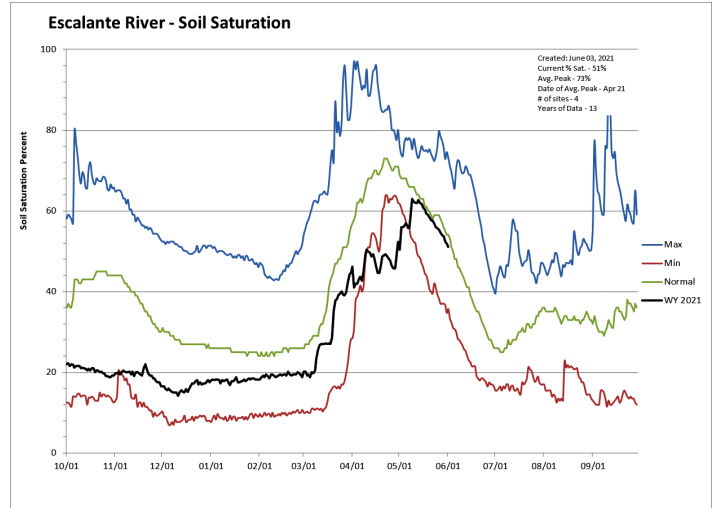
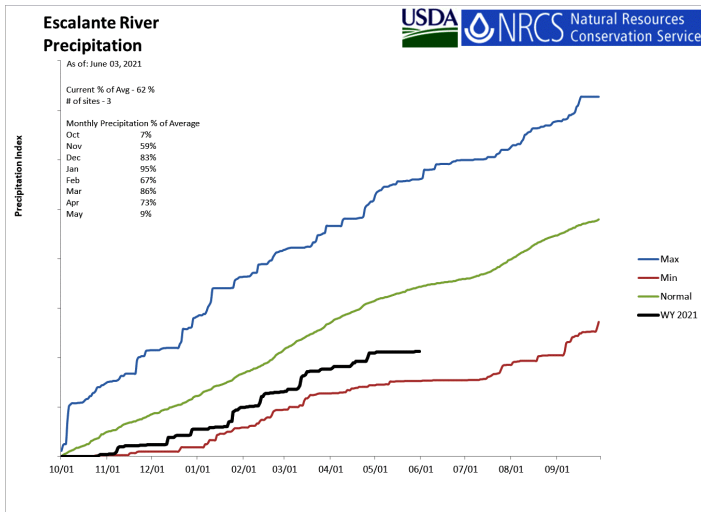
Precipitation in May was much below average at 13%, which brings the seasonal accumulation (Oct-May) to 68% of average. Soil moisture is at 54% compared to 58% last year.



Escalante River Basin

June 1, 2021

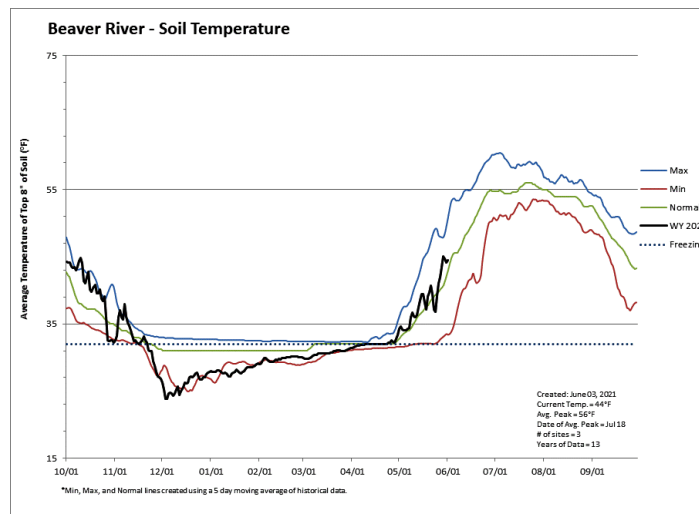
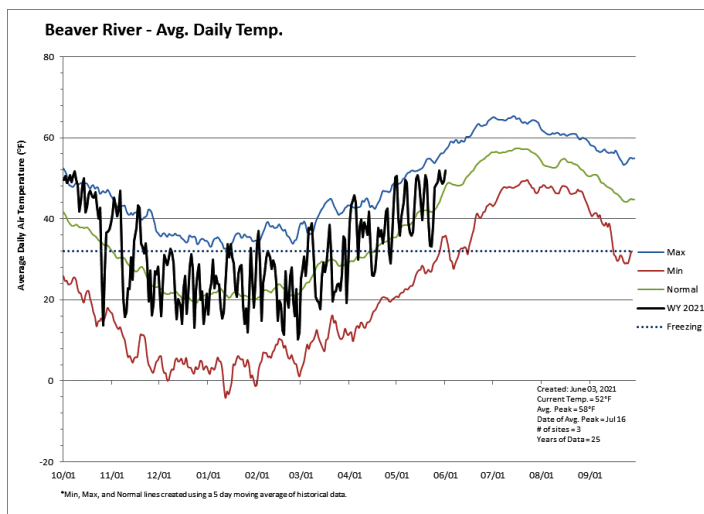
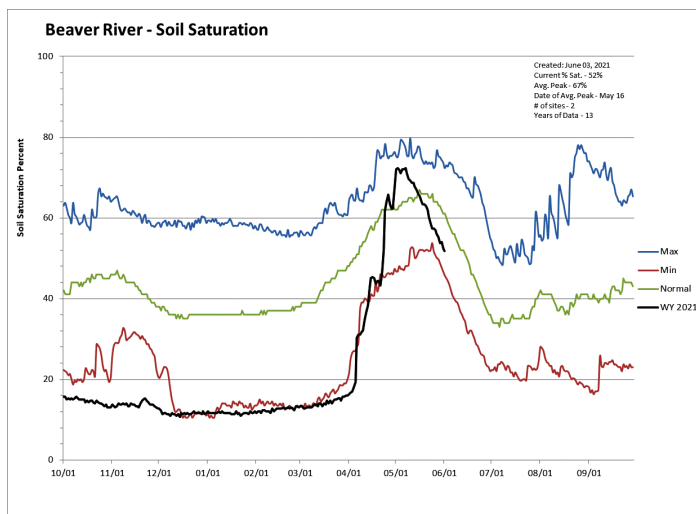
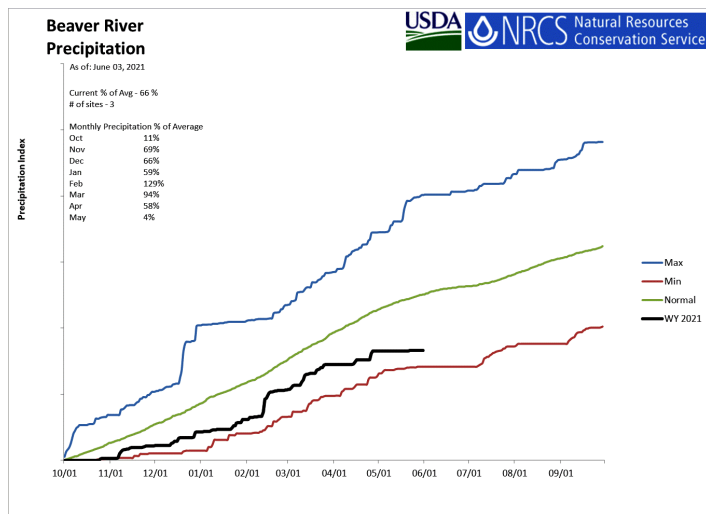
Precipitation in May was much below average at 9%, which brings the seasonal accumulation (Oct-May) to 62% of average. Soil moisture is at 51% compared to 50% last year.



Beaver River Basin

June 1, 2021

Precipitation in May was much below average at 4%, which brings the seasonal accumulation (Oct-May) to 66% of average. Soil moisture is at 52% compared to 60% last year. Reservoir storage is at 30% of capacity, compared to 75% last year. The water availability index for the Beaver River is 2%.

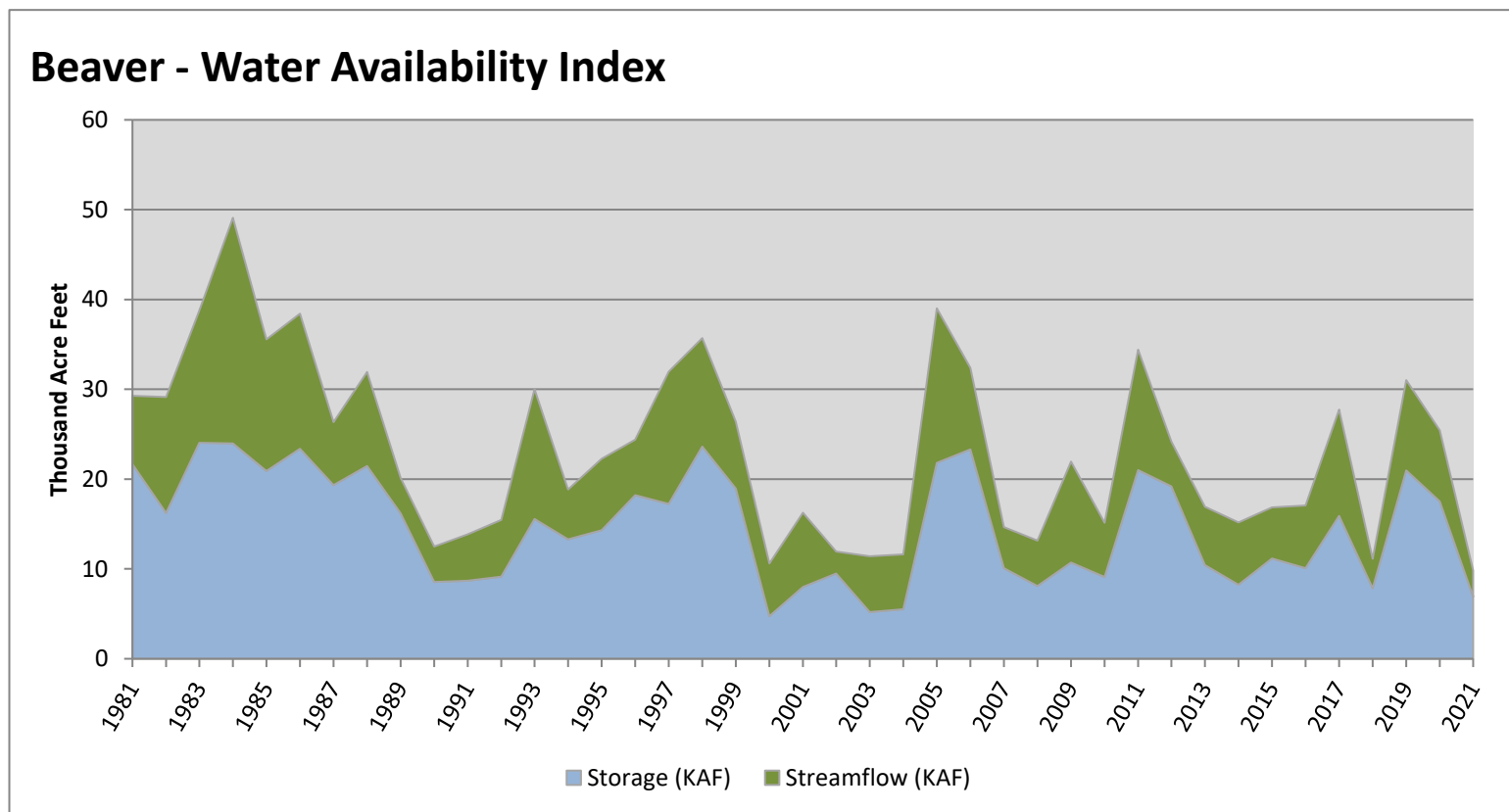


June 1, 2021

Water Availability Index

Basin or Region	May EOM [*] Storage	May Flow	Storage + Flow	Percentile	WAI [#]	Years with similar WAI
	KAF [^]	KAF [^]	KAF [^]	%		
Beaver	6.91	2.93	9.84	2	-3.97	00, 18, 03, 04

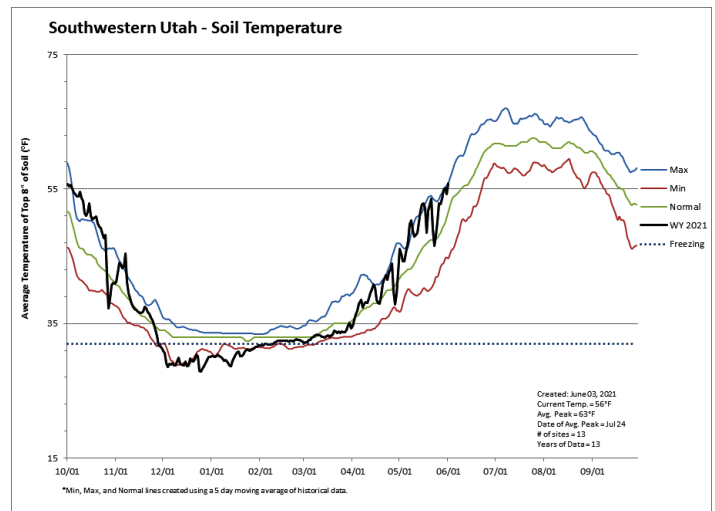
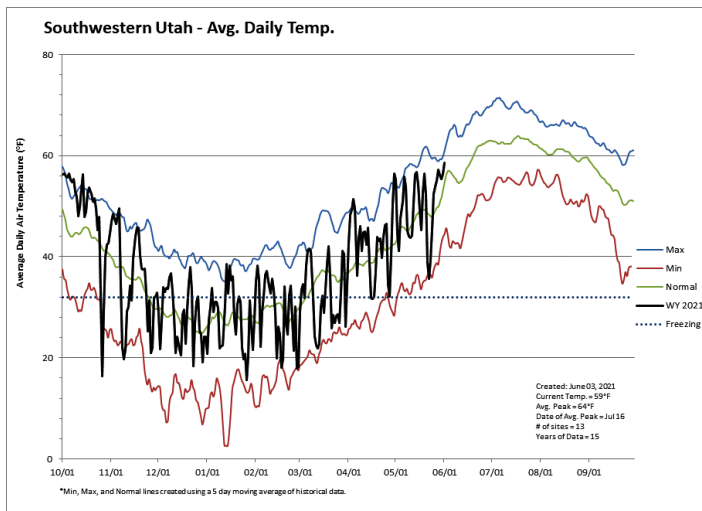
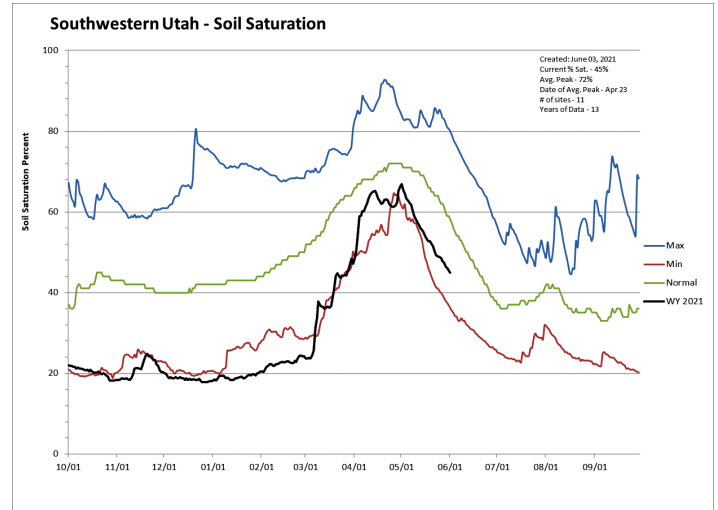
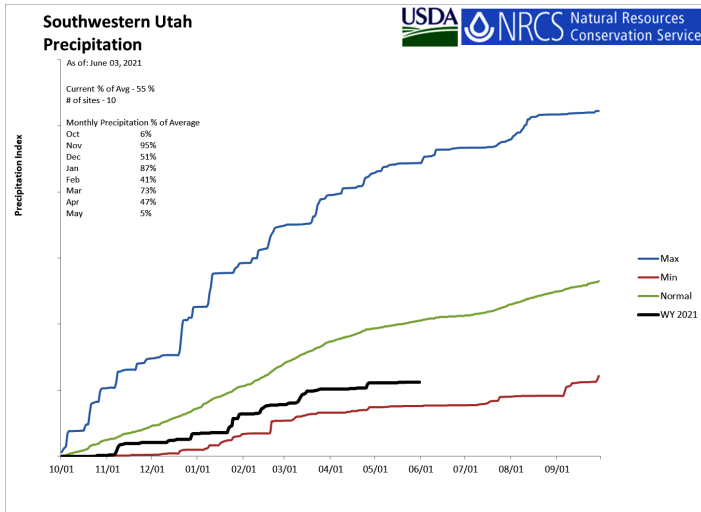
^{*}EOM, end of month; [#]WAI, Water Availability Index; [^]KAF, thousand acre-feet.



Southwestern Utah

June 1, 2021

Precipitation in May was much below average at 5%, which brings the seasonal accumulation (Oct-May) to 55% of average. Soil moisture is at 45% compared to 49% last year. Reservoir storage is at 34% of capacity, compared to 50% last year. The water availability index for the Virgin River is 20%.

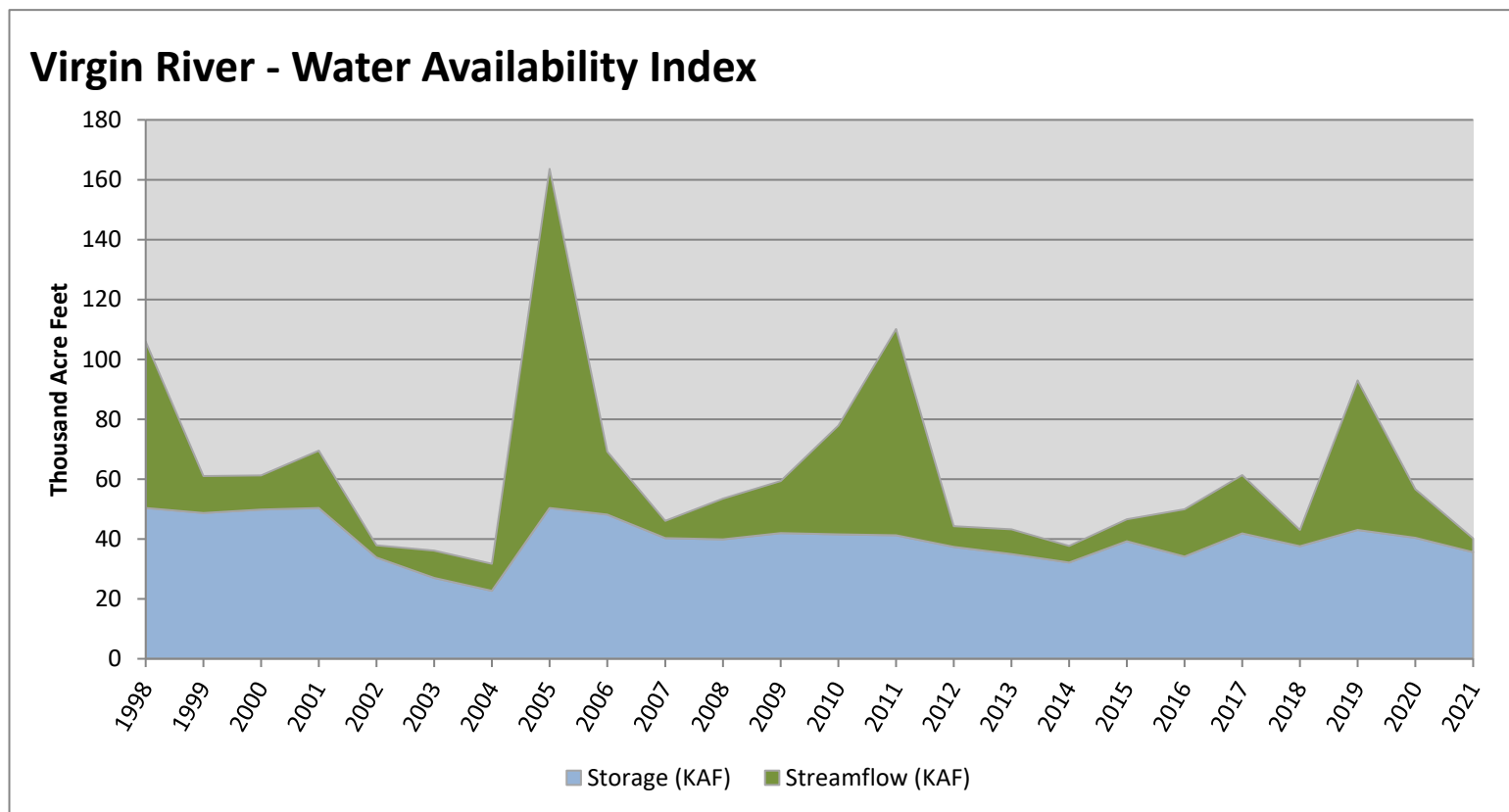


June 1, 2021

Water Availability Index

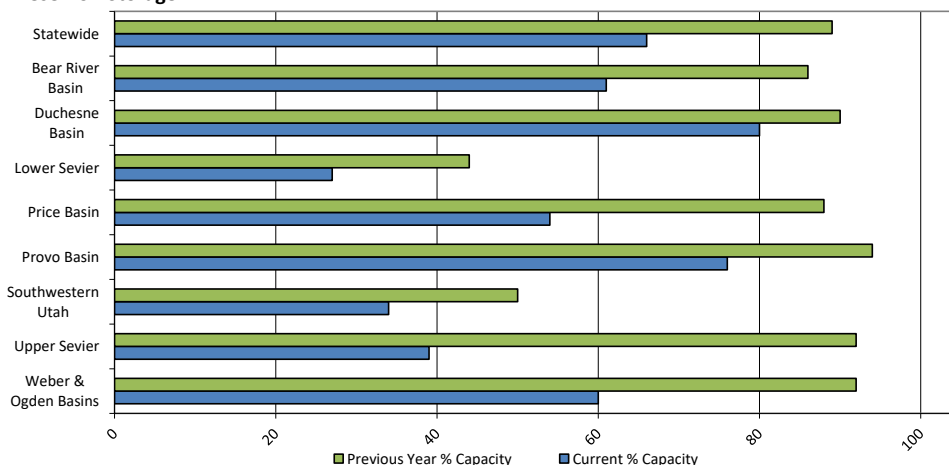
Basin or Region	May EOM [*] Storage	May Flow	Storage + Flow	Percentile	WAI [#]	Years with similar WAI
	KAF [^]	KAF [^]	KAF [^]	%		
Virgin River	35.61	4.64	40.25	20	-2.5	14, 02, 18, 13

^{*}EOM, end of month; [#]WAI, Water Availability Index; [^]KAF, thousand acre-feet.



Reservoir Storage Summary for the end of May 2021	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Average % Capacity	Current % Average	Last Year % Average
Big Sand Wash Reservoir	15.2	21.1		25.7	59%	82%			
Causey Reservoir	7.0	7.1	7.0	7.1	99%	99%	99%	101%	101%
Cleveland Lake	2.3	5.4		5.4	43%	100%			
Currant Creek Reservoir	14.7	14.7	15.2	15.5	95%	95%	98%	97%	97%
Deer Creek Reservoir	118.4	147.9	132.8	149.7	79%	99%	89%	89%	111%
East Canyon Reservoir	36.9	49.0	46.7	49.5	75%	99%	94%	79%	105%
Echo Reservoir	33.1	65.4	67.0	73.9	45%	89%	91%	49%	98%
Grantsville Reservoir	2.2	2.1	2.8	3.3	65%	65%	85%	77%	76%
Gunlock	4.7	9.1	7.9	10.4	45%	87%	76%	59%	115%
Gunnison Reservoir	0.0	6.7	14.7	20.3	0%	33%	72%	0%	45%
Huntington North Reservoir	3.0	3.2	3.7	4.2	72%	77%	88%	81%	87%
Hyrum Reservoir	13.3	14.6	14.6	15.3	87%	96%	95%	91%	100%
Joes Valley Reservoir	37.6	55.8	51.0	61.6	61%	91%	83%	74%	109%
Jordanelle Reservoir	226.0	307.6	274.4	314.0	72%	98%	87%	82%	112%
Ken's Lake	0.9	1.7	2.0	2.3	38%	74%	87%	44%	85%
Kolob Reservoir	3.0	5.6		5.6	54%	100%			
Lost Creek Reservoir	15.7	22.6	18.7	22.5	70%	100%	83%	84%	121%
Lower Enterprise	0.8	1.0	1.2	2.6	31%	38%	45%	68%	85%
Miller Flat Reservoir	1.8	4.2		5.2	34%	80%			
Millsite	6.1	12.5	15.9	16.7	37%	75%	95%	38%	79%
Minersville Reservoir	6.9	17.5	15.0	23.3	30%	75%	64%	46%	117%
Moon Lake Reservoir	13.8	37.0	28.6	35.8	38%	103%	80%	48%	129%
Otter Creek Reservoir	25.6	48.3	43.7	52.5	49%	92%	83%	59%	111%
Panguitch Lake	17.5	24.4	18.1	22.3	79%	109%	81%	97%	135%
Pineview Reservoir	60.2	100.9	97.8	110.1	55%	92%	89%	62%	103%
Piute Reservoir	13.7	62.1	53.0	71.8	19%	87%	74%	26%	117%
Porcupine Reservoir	8.8	13.1	10.8	11.3	78%	116%	96%	81%	121%
Quail Creek	30.9	31.3	31.5	40.0	77%	78%	79%	98%	99%
Red Fleet Reservoir	17.1	23.4	23.5	25.7	67%	91%	91%	73%	100%
Rockport Reservoir	33.5	55.6	50.8	60.9	55%	91%	83%	66%	109%
Sand Hollow Reservoir	41.8	49.8		50.0	84%	100%			
Scotfield Reservoir	33.3	58.9	48.7	65.8	51%	90%	74%	68%	121%
Settlement Canyon Reservoir	0.4	0.6	0.9	1.0	45%	61%	85%	52%	72%
Sevier Bridge Reservoir	62.6	104.2	159.0	236.0	27%	44%	67%	39%	66%
Smith And Morehouse Reservoir	4.8	8.5	6.7	8.1	59%	105%	83%	72%	127%
Starvation Reservoir	150.6	162.7	154.8	164.1	92%	99%	94%	97%	105%
Stateline Reservoir	8.3	14.3	10.2	12.0	69%	119%	85%	81%	140%
Steinaker Reservoir	10.1	15.8	29.2	33.4	30%	47%	87%	35%	54%
Strawberry Reservoir	902.7	1003.1	714.9	1105.9	82%	91%	65%	126%	140%
Upper Enterprise	2.3	5.1	4.8	10.0	23%	51%	48%	48%	106%
Upper Stillwater Reservoir	21.2	19.3	15.7	32.5	65%	59%	48%	135%	123%
Utah Lake	614.6	846.7	864.9	870.9	71%	97%	99%	71%	98%
Willard Bay	136.0	192.4	164.5	215.0	63%	89%	77%	83%	117%
Woodruff Creek	1.7	4.0	3.8	4.0	42%	100%	95%	45%	105%
Woodruff Narrows Reservoir	12.8	46.8	44.8	57.3	22%	82%	78%	29%	104%
Meeks Cabin Reservoir	16.6	28.1	25.2	32.5	51%	87%	78%	66%	112%
Bear Lake	804.3	1122.4	710.6	1302.0	62%	86%	55%	113%	158%
Basin-wide Total	3531.0	4767.6	4007.0	5373.1	66%	89%	75%	88%	119%
# of reservoirs	42.0	42.0	42.0	42.0	42	42	42	42	42
# of reservoirs	42	42	42	42	42	42	42	42	42

Reservoir Storage



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Utah Climate and Water Report

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