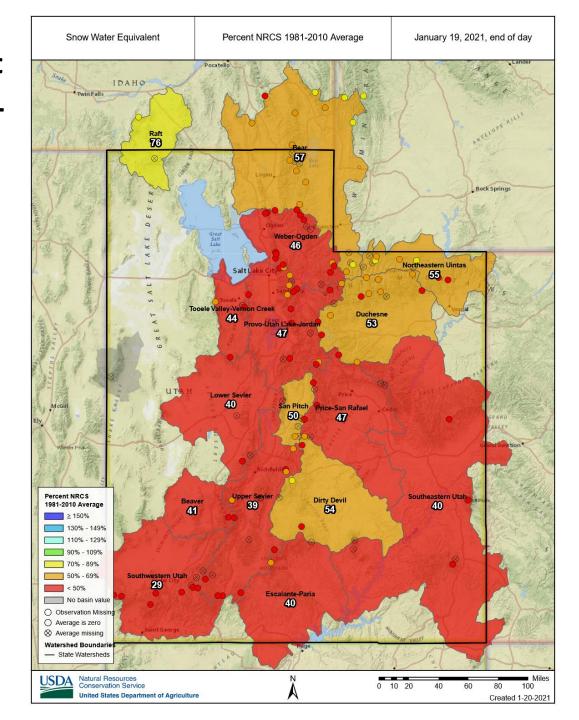


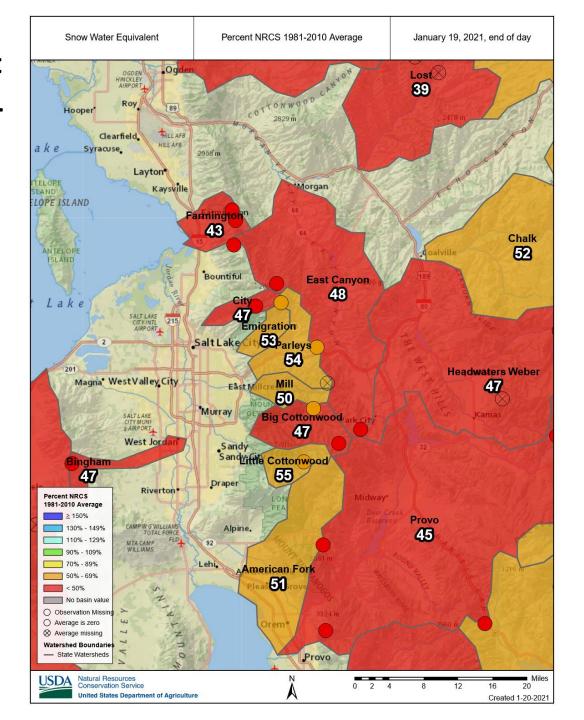
Current conditions at Utah SNOTEL sites

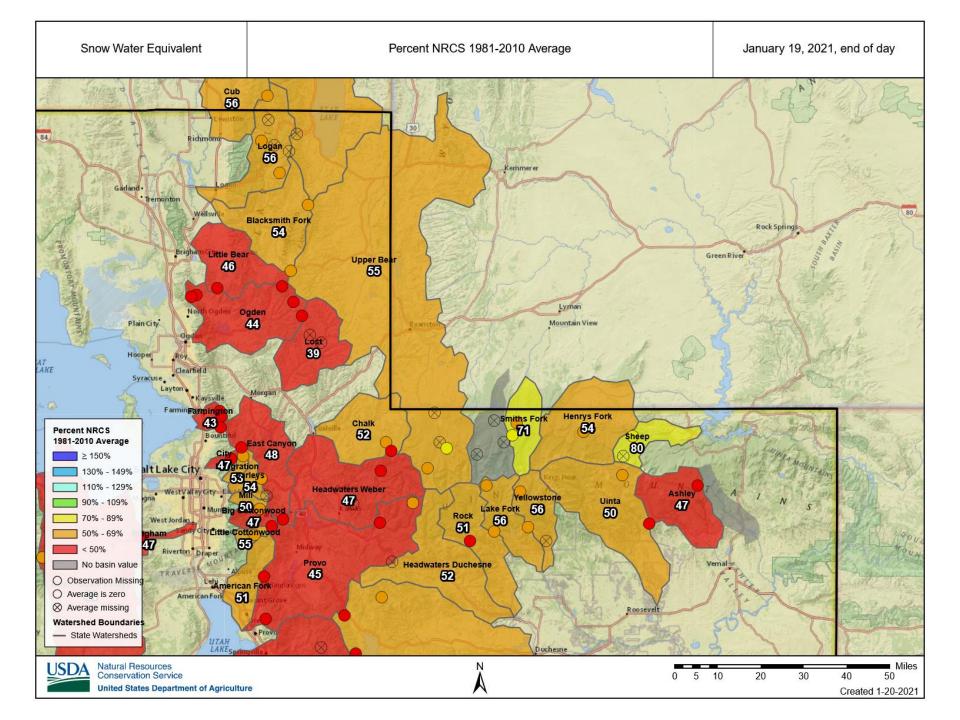
Basin average conditions

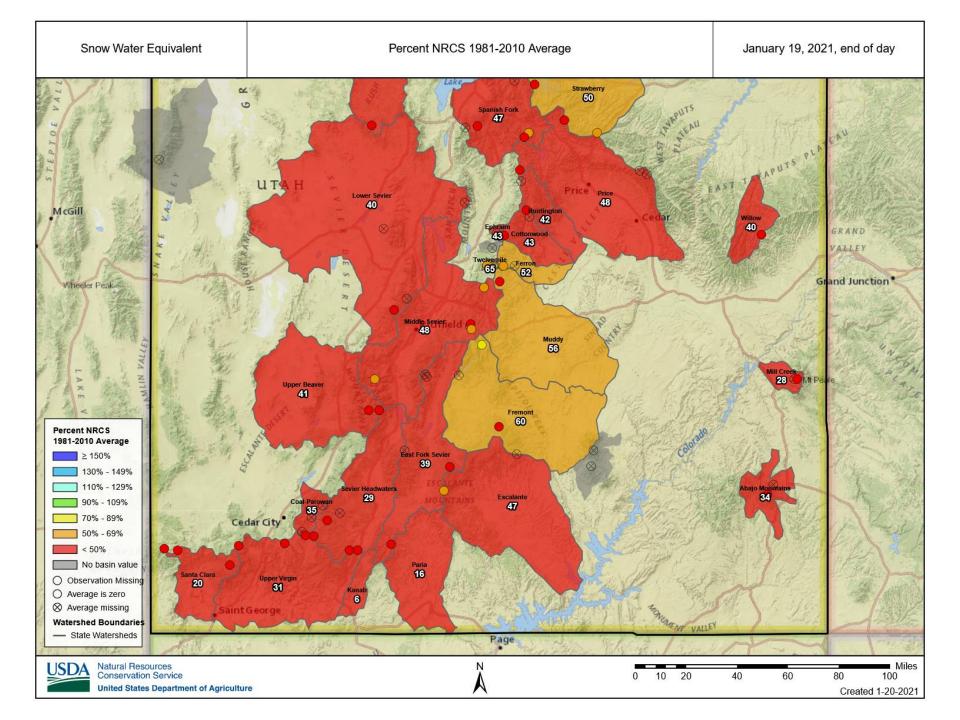


# Current conditions at Utah SNOTEL sites

Subbasin conditions

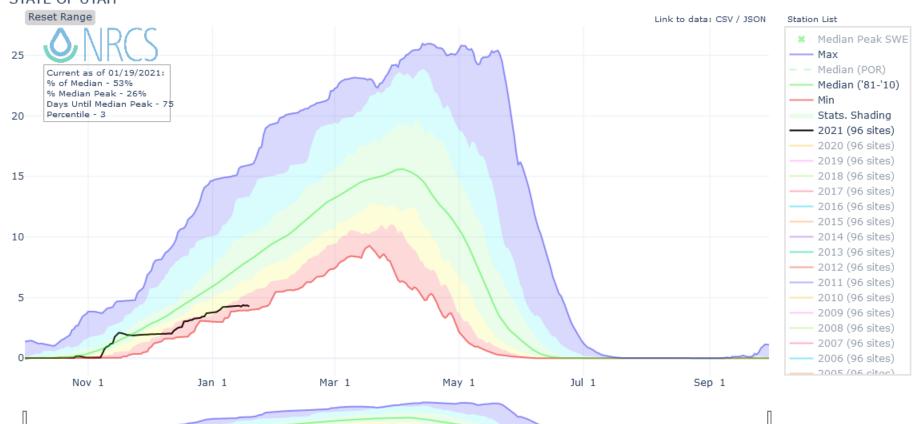








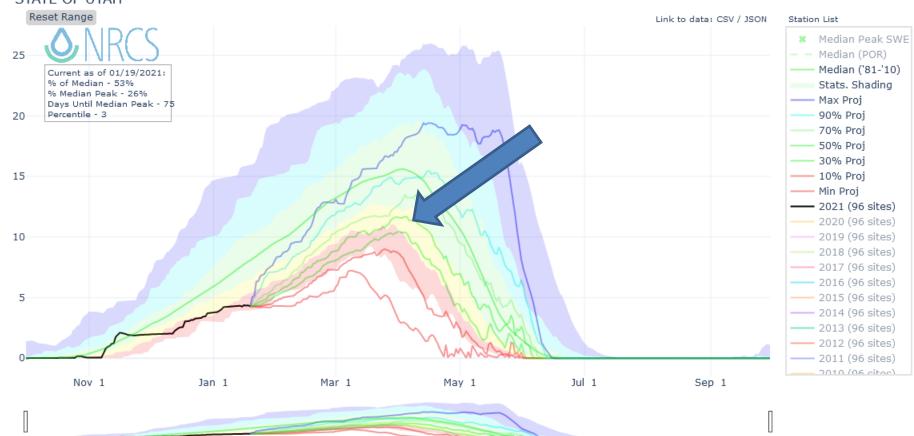
Snow Water Equivalent (in.)



Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th Percentiles. For more information visit: 30 year normals calculation description.



Snow Water Equivalent (in.)



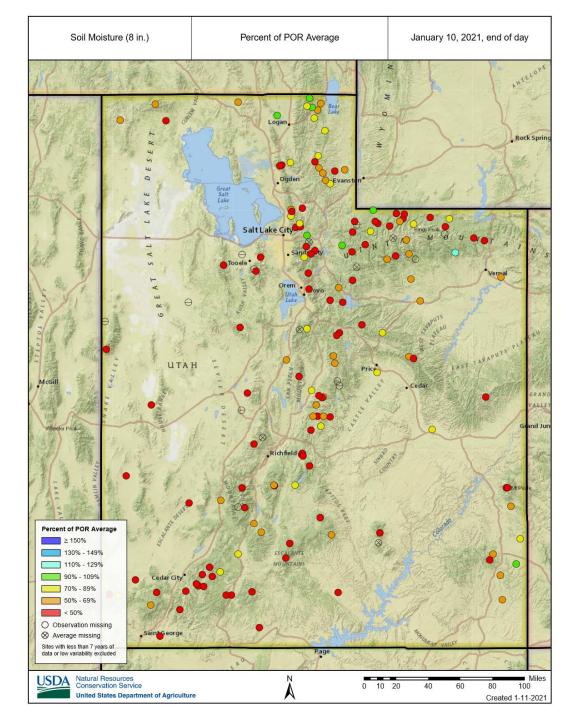
Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th Percentiles. For more information visit: 30 year normals calculation description.

#### Projected SWE

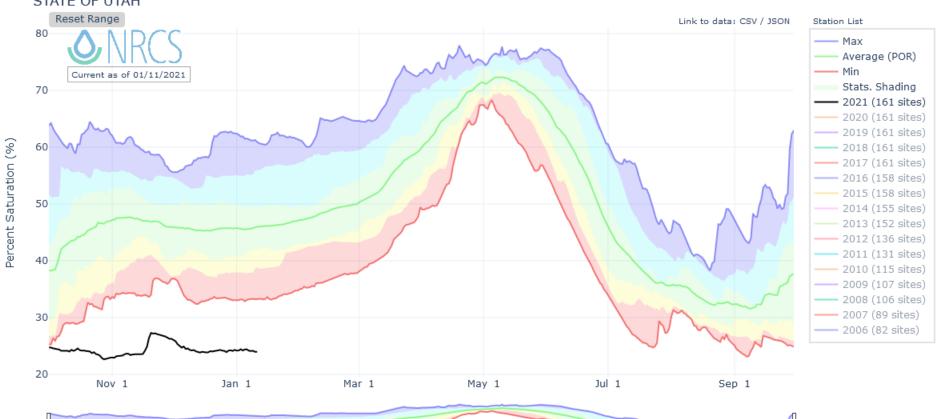
#### Soil moisture

SNOTEL & SCAN sites 8" sensor depth

Extremely dry soils will reduce efficiency of snowmelt runoff next spring.



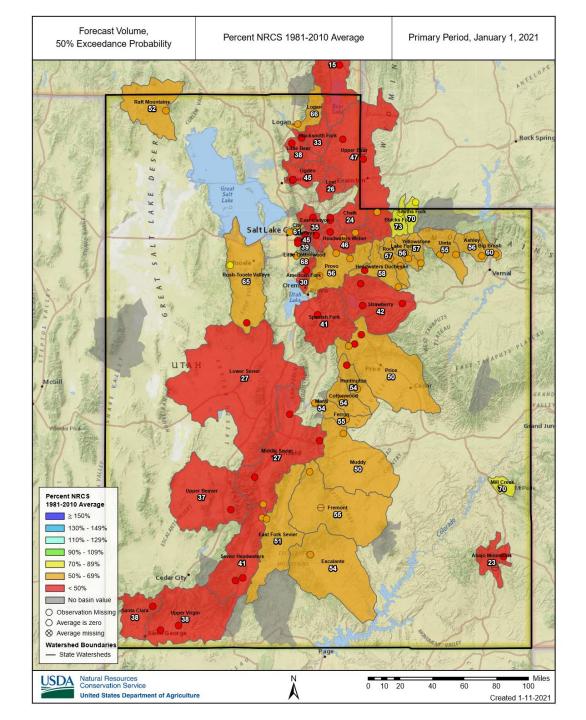
### DEPTH AVERAGED SOIL SATURATION IN STATE OF UTAH



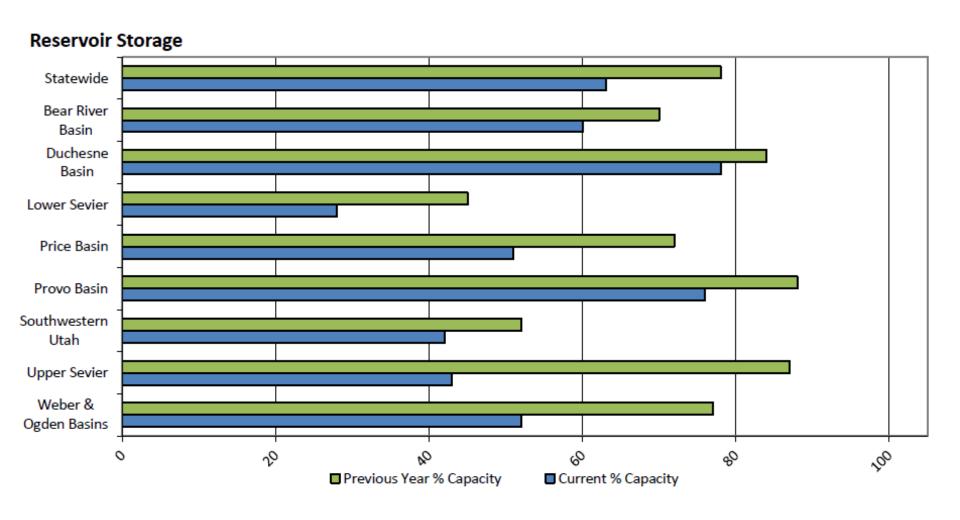
Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th Percentiles. For more information visit: 30 year normals calculation description.

# **Streamflow forecasts**

Poor snowpack and dry soils are resulting in well belownormal runoff forecasts



## Statewide reservoir levels, as of January 1st



- reservoir storage is at 63% of capacity
- down 15% from last year

#### "Surface Water Supply Index" numbers for Utah basins are extremely low

| January 1, 2021  | Surface Water Supply Index      |                  |                    |            |       |                             |
|------------------|---------------------------------|------------------|--------------------|------------|-------|-----------------------------|
| Basin or Region  | Dec EOM <sup>*</sup><br>Storage | APR-JUL Forecast | Storage + Forecast | Percentile | SWSI* | Years with similiar<br>SWSI |
|                  | KAF ^                           | KAF ^            | KAF ^              | %          |       |                             |
| Bear River       | 784.5                           | 27.0             | 811.5              | 55         | 0.4   | 01, 13, 88, 17              |
| Woodruff Narrows | 25.1                            | 70.0             | 95.1               | 19         | -2.58 | 90, 92, 88, 89              |
| Little Bear      | 9.7                             | 17.0             | 26.7               | 33         | -1.39 | 07, 12, 02, 20              |
| Ogden River      | 53.6                            | 54.0             | 107.6              | 29         | -1.79 | 02, 15, 14, 08              |
| Weber River      | 233.1                           | 66.0             | 299.1              | 5          | -3.77 | 04, 13, 15, 14              |
| Provo River      | 933.4                           | 57.0             | 990.4              | 39         | -0.89 | 14, 02, 18, 13              |
| Western Uinta    | 144.2                           | 70.0             | 214.2              | 29         | -1.79 | 94, 07, 89, 93              |
| Eastern Uinta    | 20.9                            | 40.5             | 61.4               | 10         | -3.37 | 14, 18, 13, 89              |
| Blacks Fork      | 3.3                             | 63.0             | 66.3               | 21         | -2.46 | 12, 00, 89, 88              |
| Smiths Fork      | 3.6                             | 19.0             | 22.6               | 18         | -2.67 | 07, 12, 89, 18              |
| Price River      | 31.4                            | 20.0             | 51.4               | 38         | -0.99 | 07, 10, 93, 18              |
| Joe's Valley     | 38.0                            | 30.0             | 68.0               | 21         | -2.38 | 92, 18, 94, 12              |
| Ferron Creek     | 3.9                             | 21.0             | 24.9               | 5          | -3.77 | 18, 13, 90, 89              |
| Moab             | 0.5                             | 3.0              | 3.5                | 23         | -2.26 | 12, 04, 09, 14              |
| Upper Sevier     | 48.4                            | 33.0             | 81.4               | 17         | -2.78 | 90, 92, 09, 18              |
| San Pitch        | 0.0                             | 9.0              | 9.0                | 10         | -3.37 | 02, 13, 16, 15              |
| Lower Sevier     | 66.0                            | 27.0             | 93.0               | 12         | -3.17 | 18, 16, 03, 02              |
| Beaver River     | 5.4                             | 9.7              | 15.1               | 7          | -3.57 | 02, 18, 90, 04              |
| Virgin River     | 28.6                            | 28.9             | 57.5               | 30         | -1.67 | 96, 13, 07, 12              |

- SWSI values combine forecasted streamflow and current reservoir conditions.
- Percentiles are compared to 30 year average SWSI values.

