

**NAWC INC****North American Weather Consultants, Inc.**

Applied Meteorology, Meteorological Research, Weather Modification

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April 2, 2025

Chance Baxter
Bear River Water Conservancy District
102 West Forest Street
Brigham City, UT 84302

Dear Mr. Baxter:

This report covers seeding activities conducted for the Northern Utah cloud seeding program through the month of March 2025. March was an active weather month with 7 seeded storm periods, summarized in Table 1. Although some of these events were very minor and/or brief in duration, there were also a few larger seeded events and other precipitation periods not favorable to seeding due to various meteorological parameters.

Table 1
Summary of Operations in Northern Utah Cloud Seeding Program March 2025

Storm Number	Date	No. of Manual Seeding Sites	No. of Manual Hours	No. of Remote Seeding sites	No. of Remote Hours
26	March 3-4	4	30.95	0	0
27	March 6-7	15	203	2	28.75
28	March 13	12	81.75	4	39
29	March 15	8	88	4	47
30	March 17-18	8	86.5	4	52.25
31	March 22	7	61.75	0	0
32	March 29	9	52.25	3	17.25
33	March 31 – April 1	9	153.25	4	35.75
March Total	---	---	757.45	---	220

Season to Date	---	---	2565.7	---	1022.75
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Table 2 contains current snow water content and water year precipitation information for stations in the Bear River Basin as of April 1, 2025. The Bear River Basin, as a whole, has about 103% of the median snow water content, and 105% of the mean precipitation total accumulated since October 1. Figure 2 is a graph of the SWE values for the Garden City Summit site so far this season. Figure 3 is a map of basin snow water equivalent (SWE) for the state of Utah as of April 1, 2025.

Table 2
Snow Water Content and Water Year Precipitation as of April 1, 2025

Measurement Site	Elevation (ft)	Snow Water Equivalent		Water Year Precipitation	
		Amount (in)	% of Median	Amount (in)	% of Median
Trial Lake	9992	24.6	114	24.1	111
Hayden Fork	9212	13.0	89	21.0	106
Lily Lake	9156	11.9	98	14.9	102
Monte Cristo	8960	25.2	95	24.4	95
Tony Grove Lake	8474	37.4	107	35.7	101
Franklin Basin	8170	28.3	108	29.8	106
Bug Lake	7950	18.4	99	19.4	110
Temple Fork	7406	15.4	87	16.8	93
Little Bear	6544	4.1	62	19.1	90
Bear River Basin	---	---	103	---	105

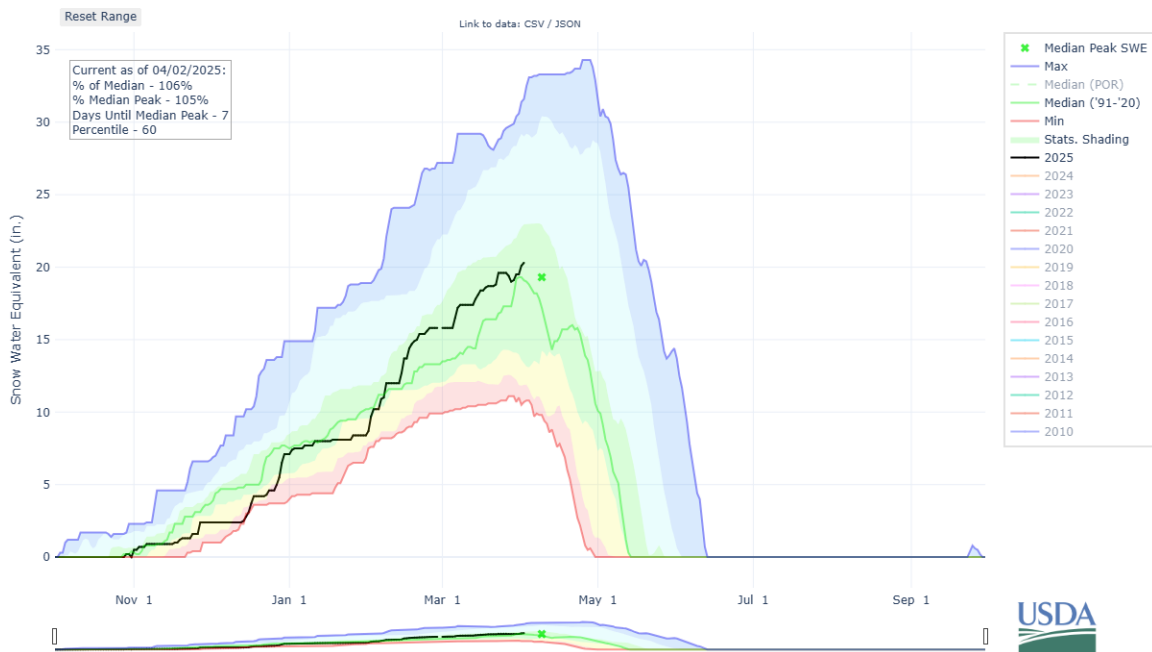


Figure 2. Time series of the Garden City Summit SNOTEL water year precipitation to date (black line) in comparison to climatological maxima (purple), minima (red) and median values (green line). Data are current as of April 2, 2025.

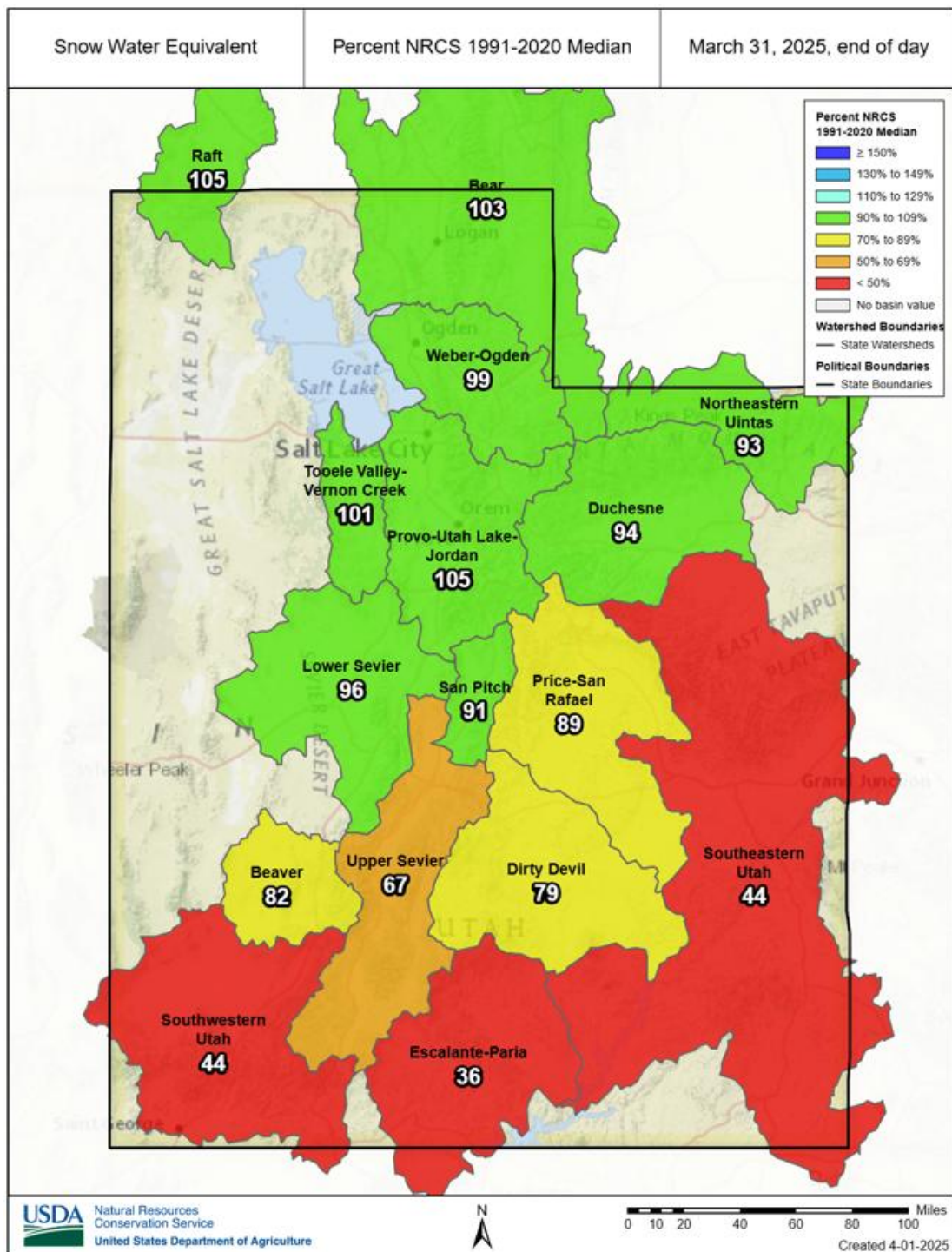


Figure 3. Snow water equivalent (as a percentage of median values) across Utah basins as of April 1, 2025

The Northern Utah Seeding Program is scheduled to continue through April 30, 2025, as specified in the contract. Please contact us if you have any questions or comments.

Sincerely,

Cole Osborne, CCM
Meteorologist, North American Weather Consultants

cc: Nathan Daug, Cache County Water District
Jonathan Jennings, Division of Water Resources