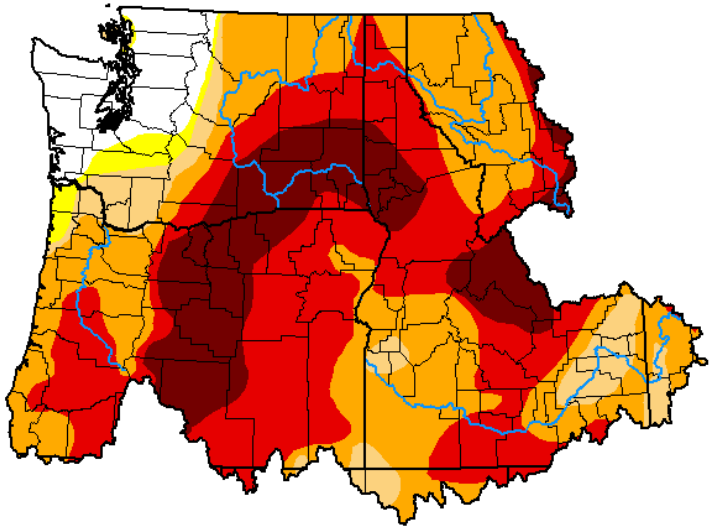
May Water Supply Committee

David Hoekema, Hydrologist
Idaho Department of Water Resources
5/10/2023

Two Years of Drought 2021 & 22

U.S. Drought Monitor

Pacific Northwest Watershed



October 26, 2021

(Released Thursday, Oct. 28, 2021)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	7.16	92.84	90.87	83.53	50.49	17.19
Last Week *10-19-2021*	6.19	93.81	90.83	83.53	54.80	20.95
3 Months Ago *07-27-2021*	0.00	100.00	93.25	77.35	52.15	20.39
Start of Calendar Year *12-29-2020*	39.34	60.66	39.27	25.94	9.18	0.00
Start of Water Year *09-28-2021*	0.00	100.00	93.37	84.32	55.02	22.60
One Year Ago *10-27-2020*	25.43	74.57	43.41	27.28	13.63	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

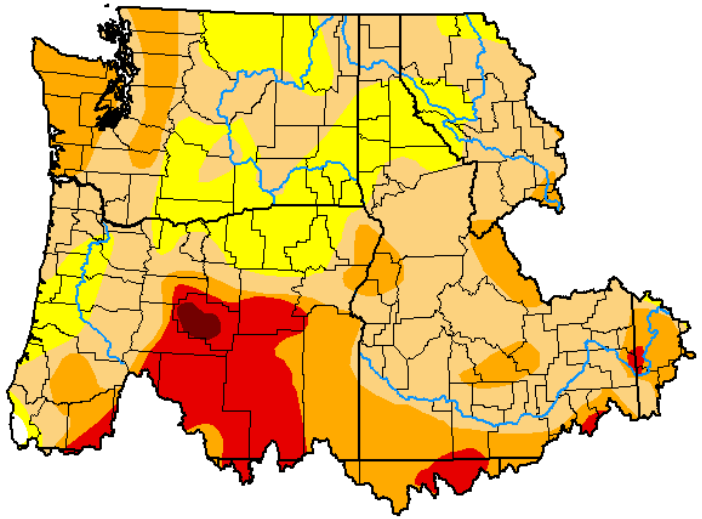
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

Author:
Richard Heim
NCEI/NOAA

droughtmonitor.unl.edu

U.S. Drought Monitor

Pacific Northwest Watershed



October 25, 2022

(Released Thursday, Oct. 27, 2022)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.16	99.84	79.35	32.54	10.22	0.49
Last Week *10-18-2022*	0.16	99.84	78.94	31.53	10.22	0.49
3 Months Ago *07-26-2022*	42.74	57.26	39.67	23.89	11.27	0.63
Start of Calendar Year *01-04-2022*	15.86	84.14	76.08	47.65	19.94	5.11
Start of Water Year *09-27-2022*	2.05	97.95	62.59	23.84	10.29	0.49
One Year Ago *10-26-2021*	7.16	92.84	90.87	83.53	50.49	17.19

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

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Author:
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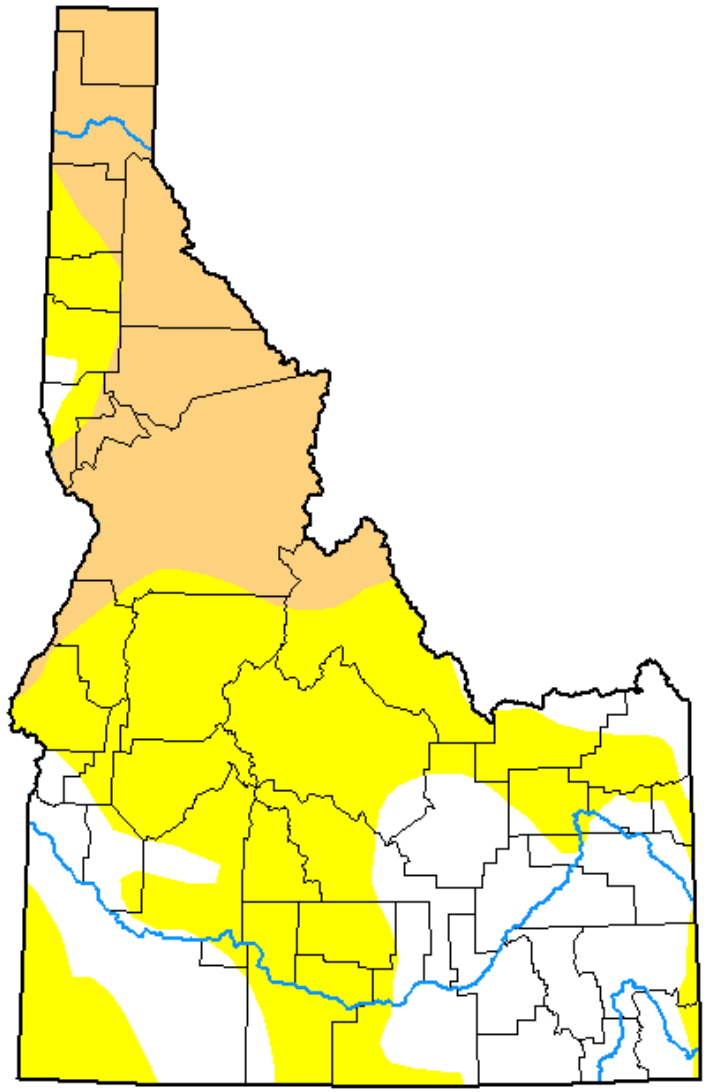
droughtmonitor.unl.edu

U.S. Drought Monitor

Idaho



May 2, 2023

(Released Thursday, May. 4, 2023)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	31.84	68.16	23.60	0.00	0.00	0.00
Last Week *04-25-2023*	31.84	68.16	23.60	0.00	0.00	0.00
3 Months Ago *01-31-2023*	2.33	97.67	72.15	12.15	0.00	0.00
Start of Calendar Year *01-03-2023*	2.28	97.72	71.70	21.85	0.00	0.00
Start of Water Year *09-27-2022*	0.00	100.00	89.53	16.68	3.10	0.00
One Year Ago *05-03-2022*	5.50	94.50	82.52	57.47	6.77	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

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Author:

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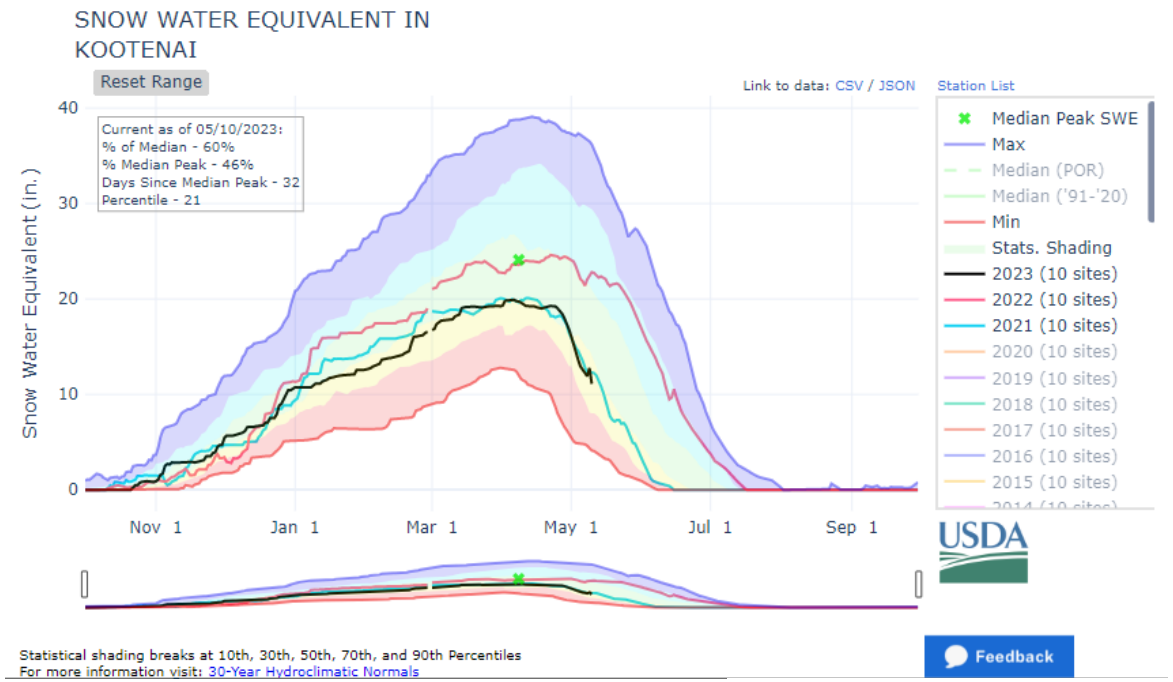
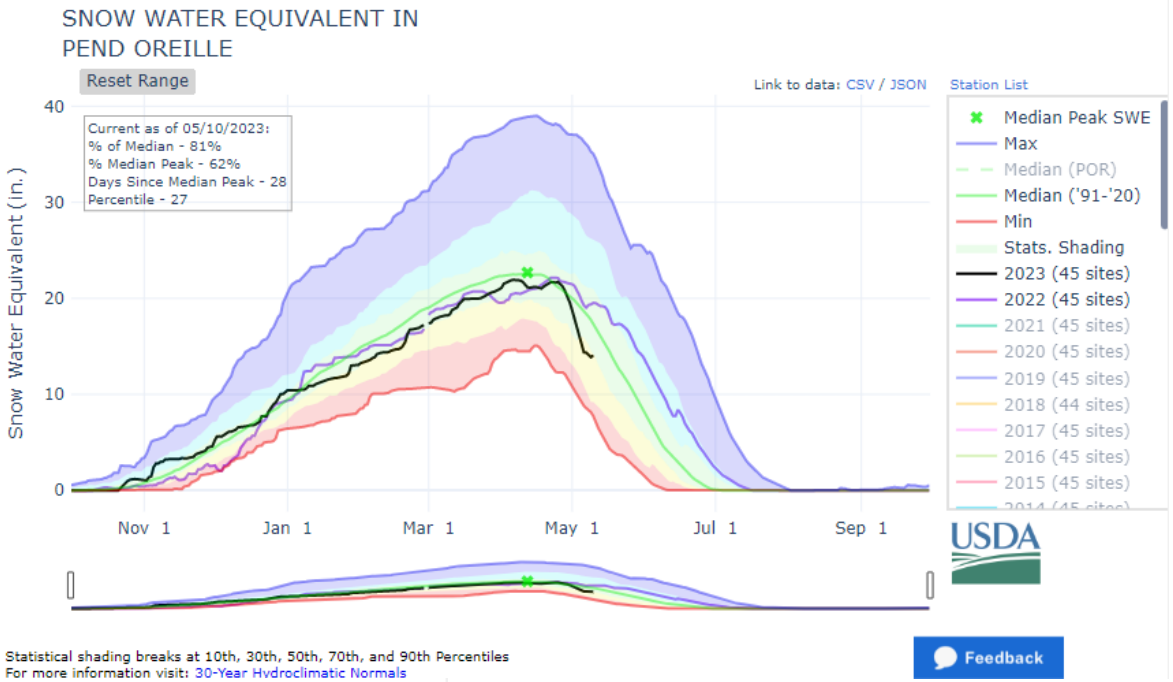
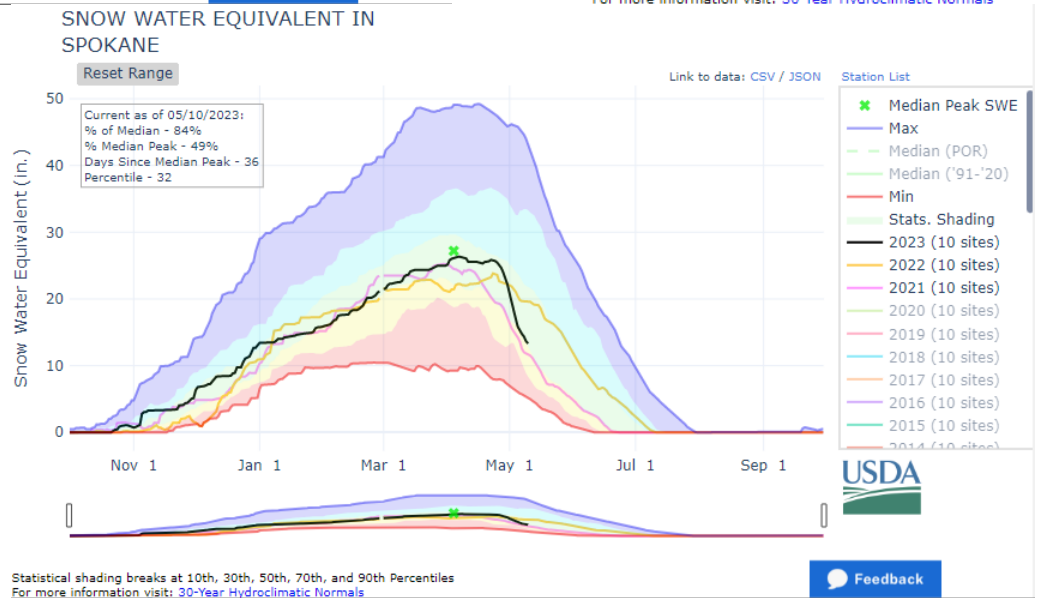
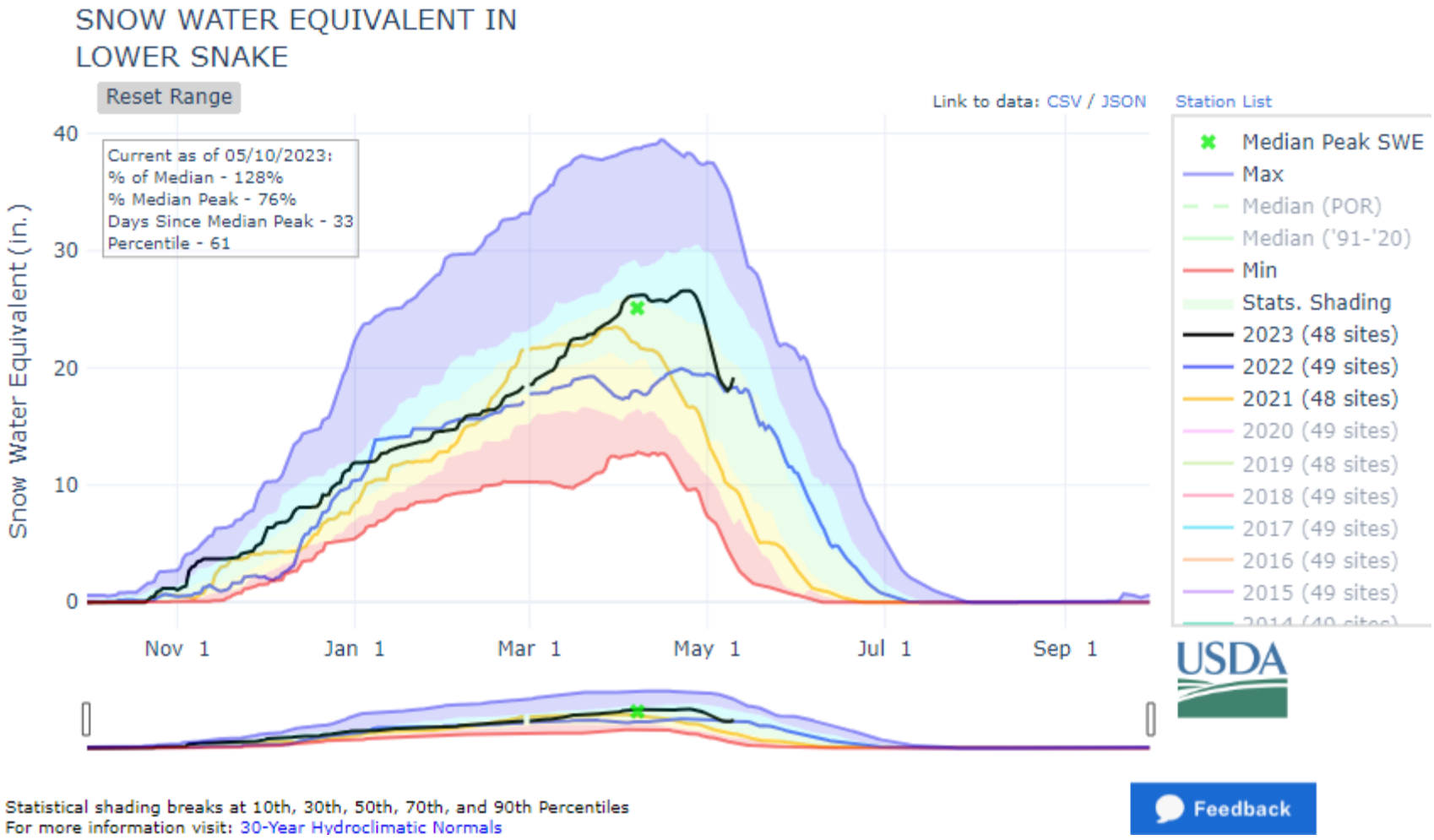
North Idaho Basins HUC-6



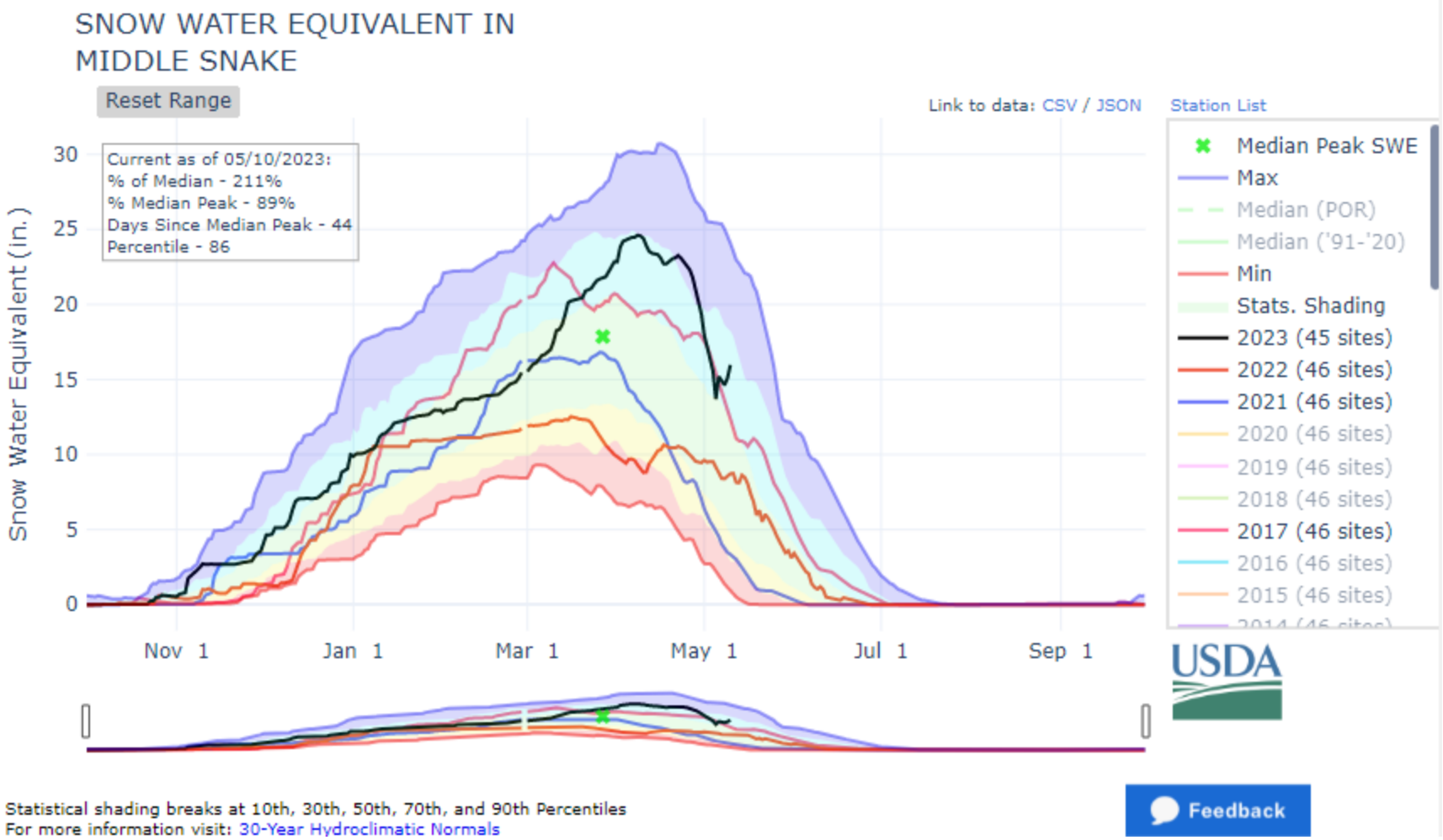




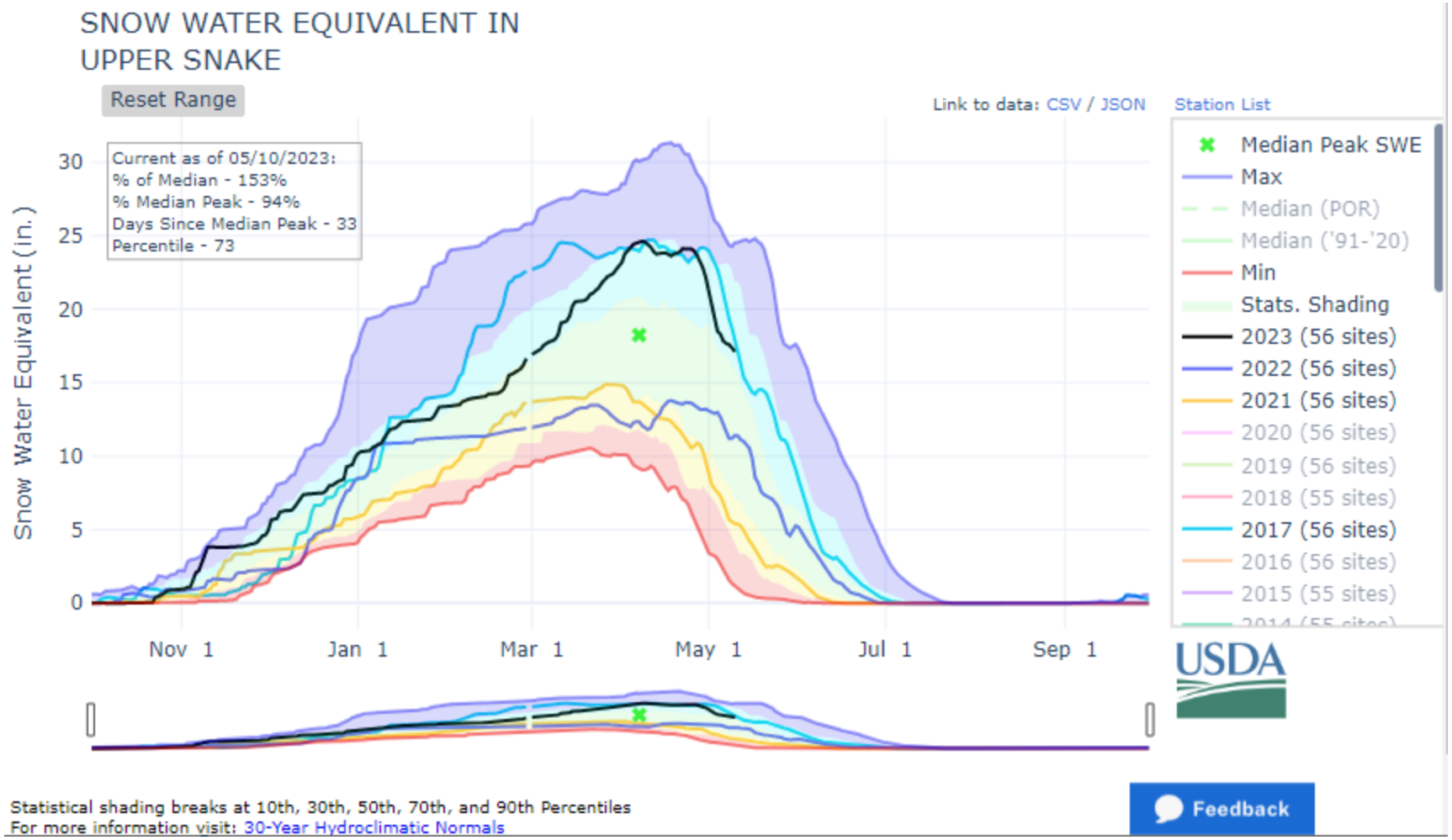
Snake Basins HUC-4



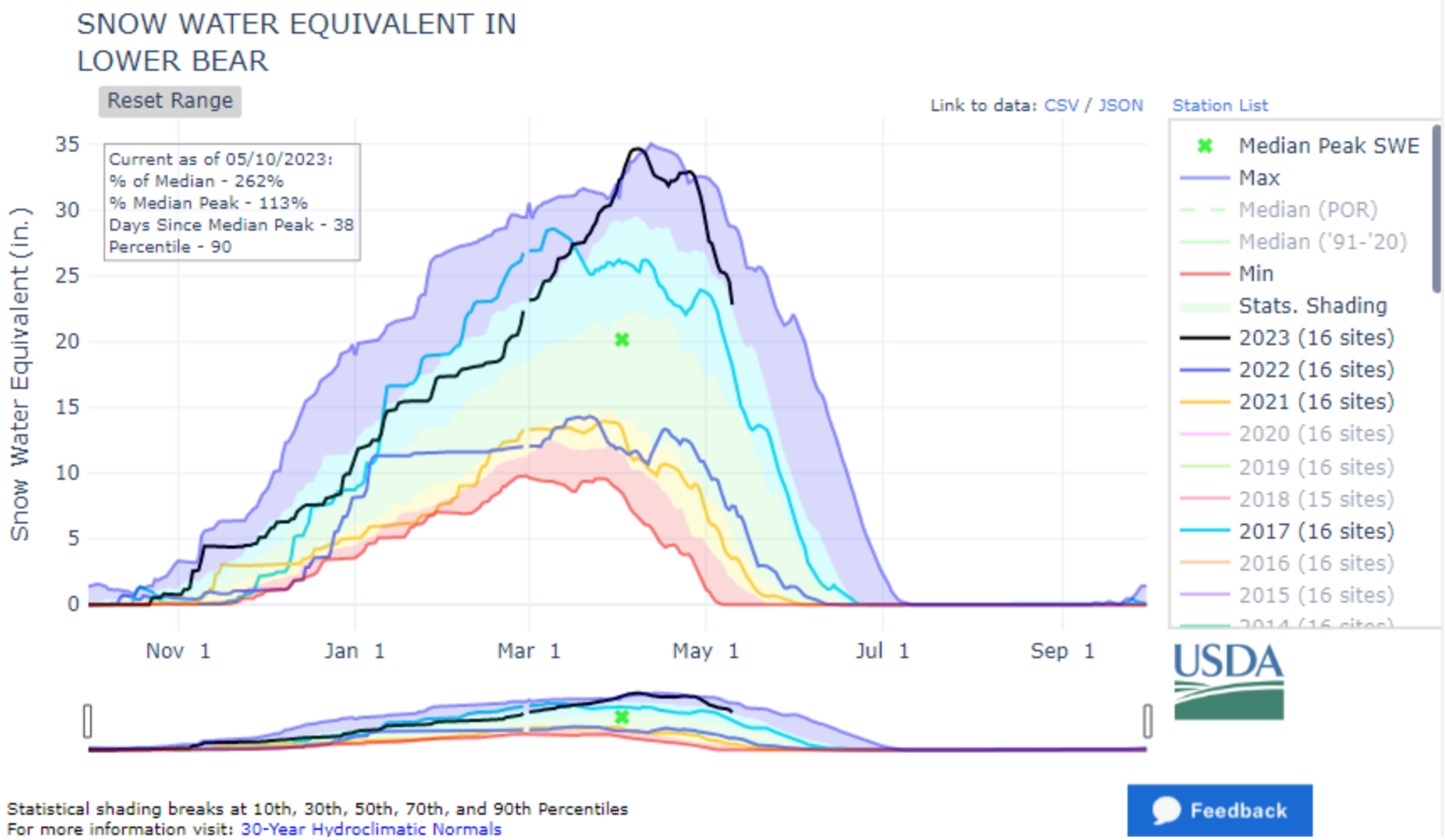
Snake Basins HUC-4

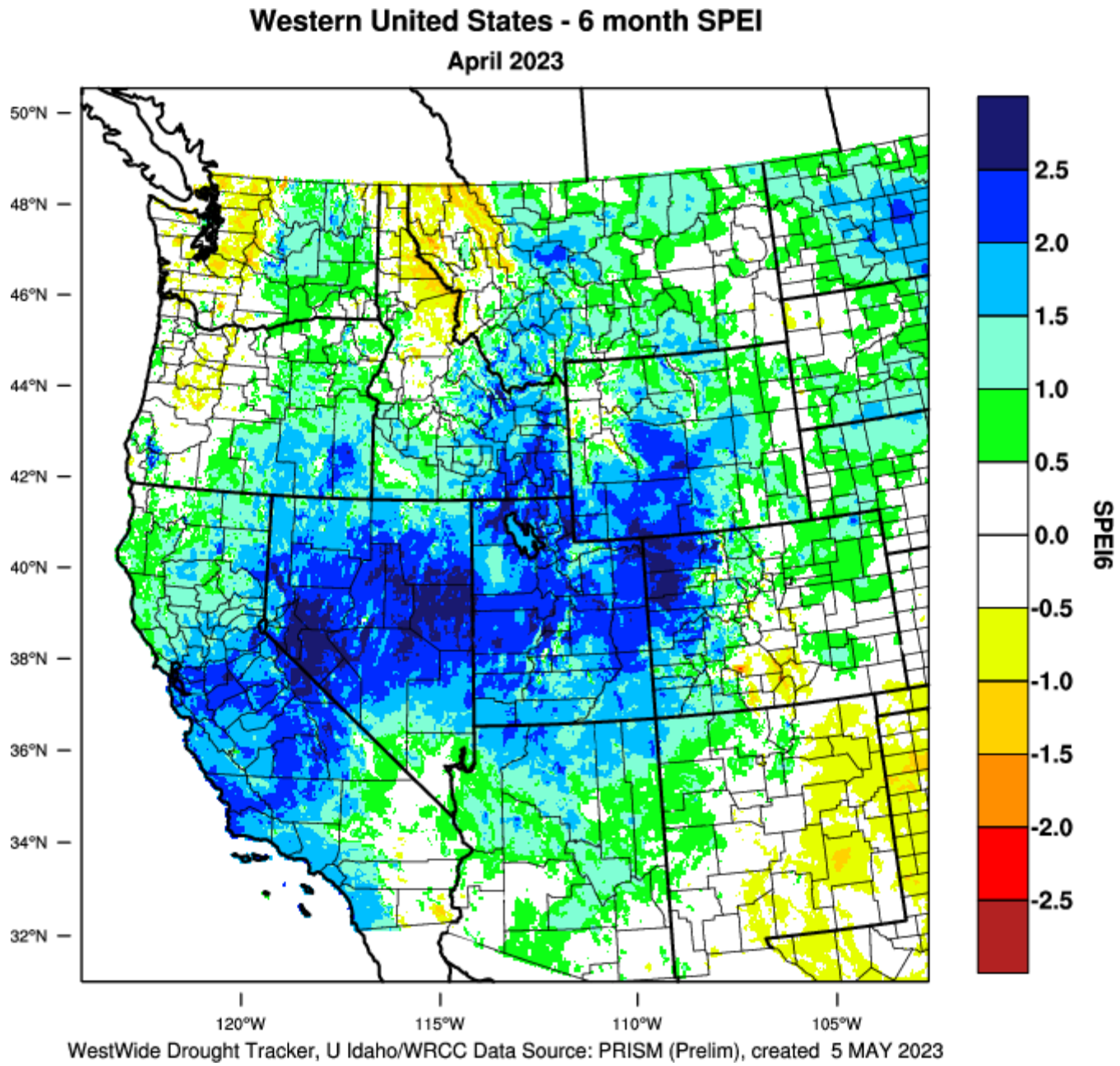


Snake Basins HUC-4

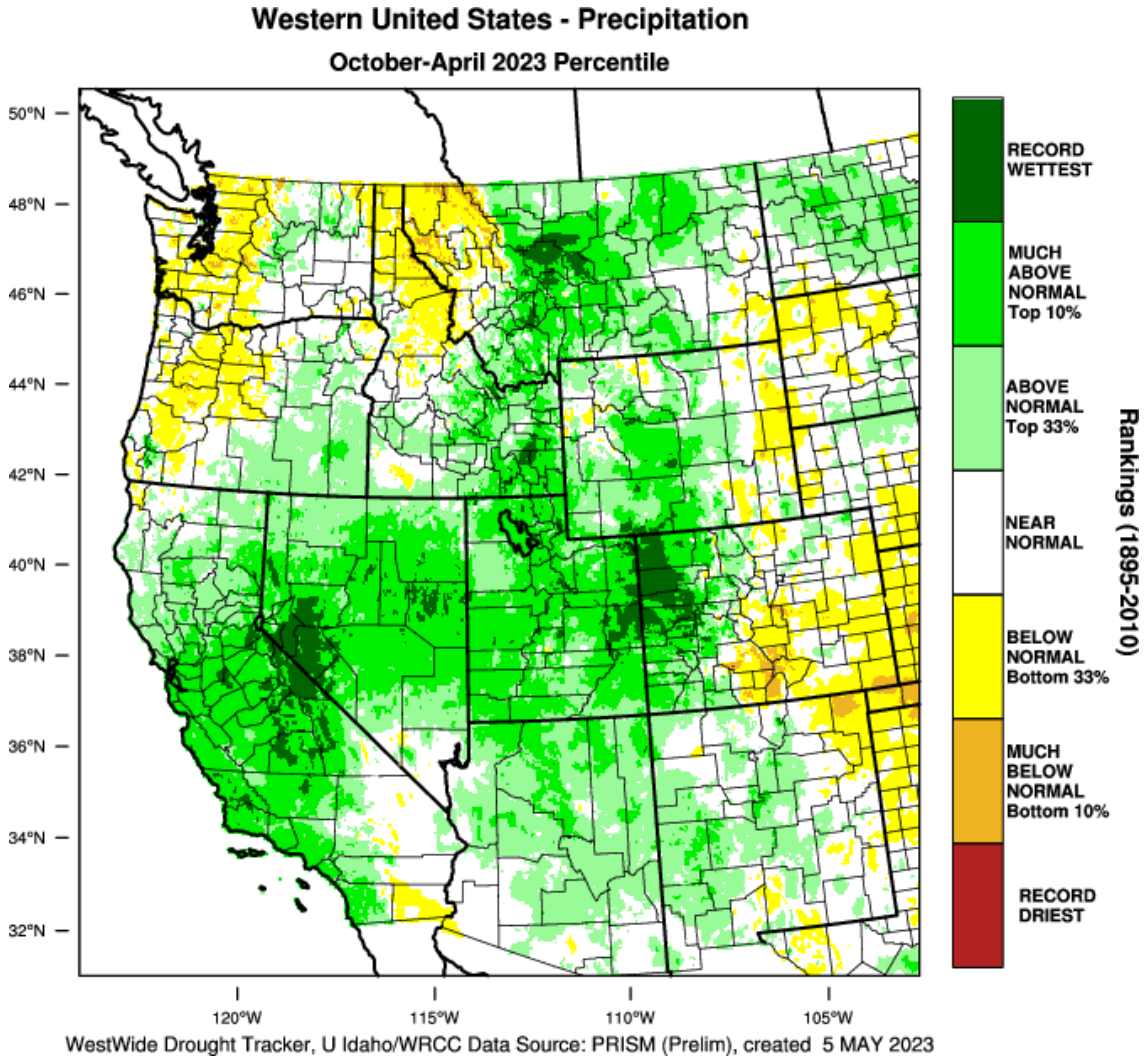


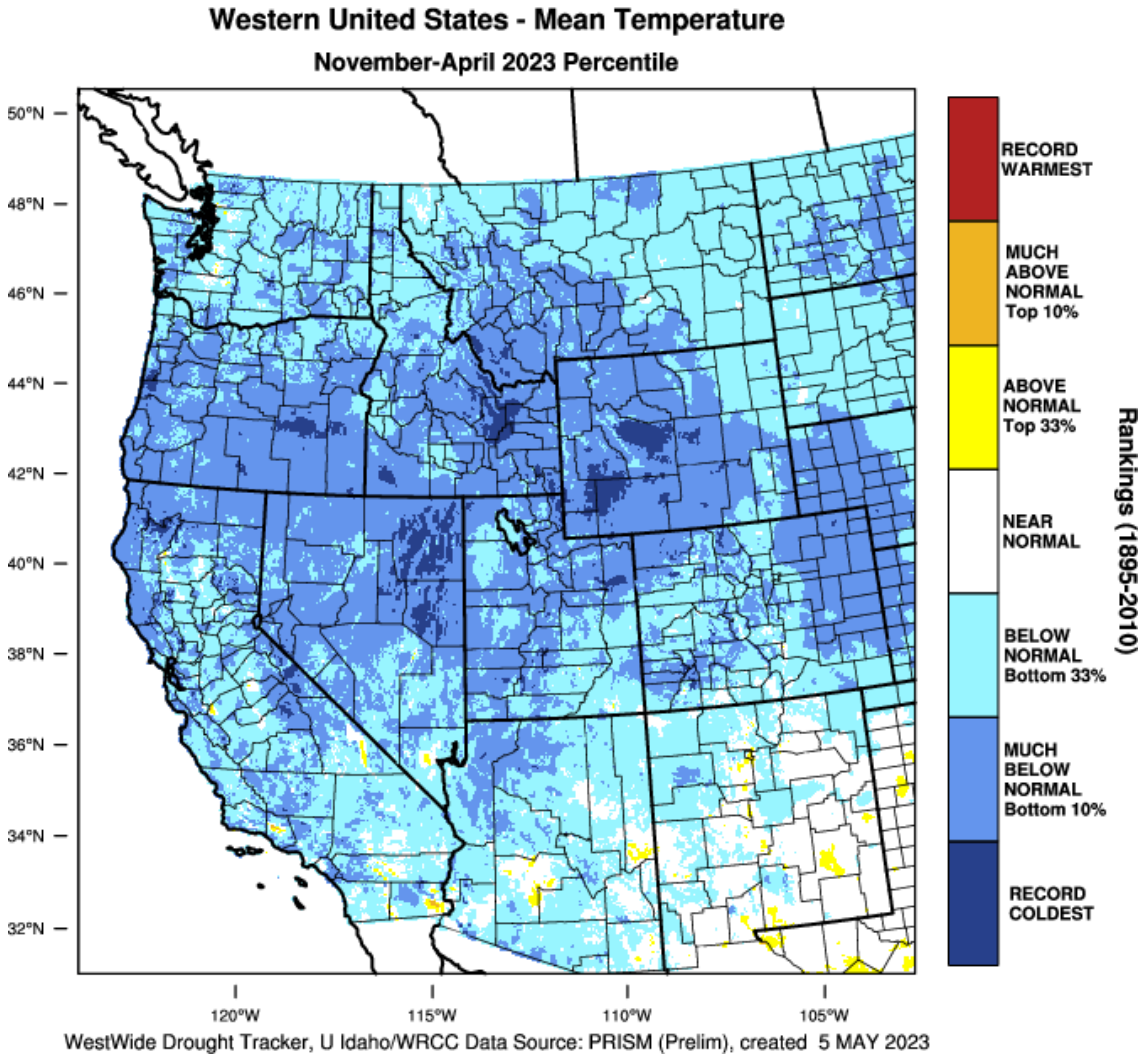
Bear Basin HUC-6



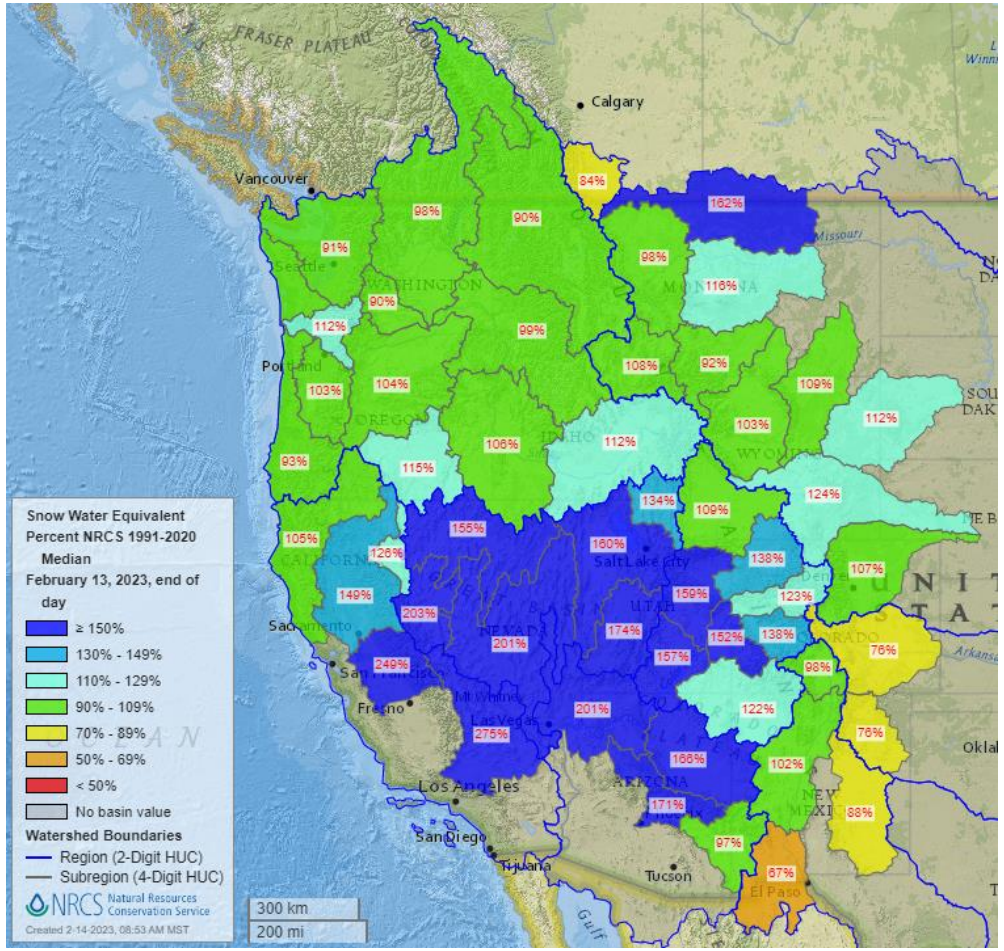

Western United States - 6 month SPEI
April 2023
50°N
48°N
46°N
44°N
42°N
40°N
38°N
36°N
34°N
32°N
120°W
115°W
110°W
105°W
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5
-2.0
-2.5
SPEI6
WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 5 MAY 2023

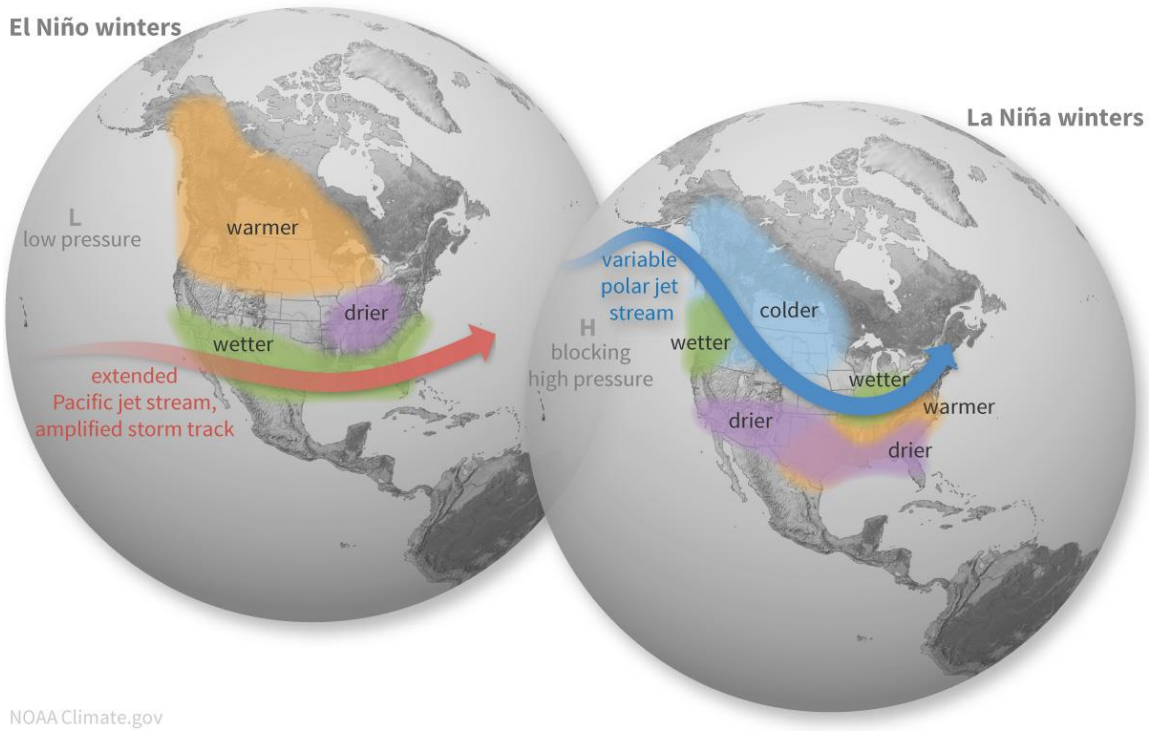
Precipitation & Temperature



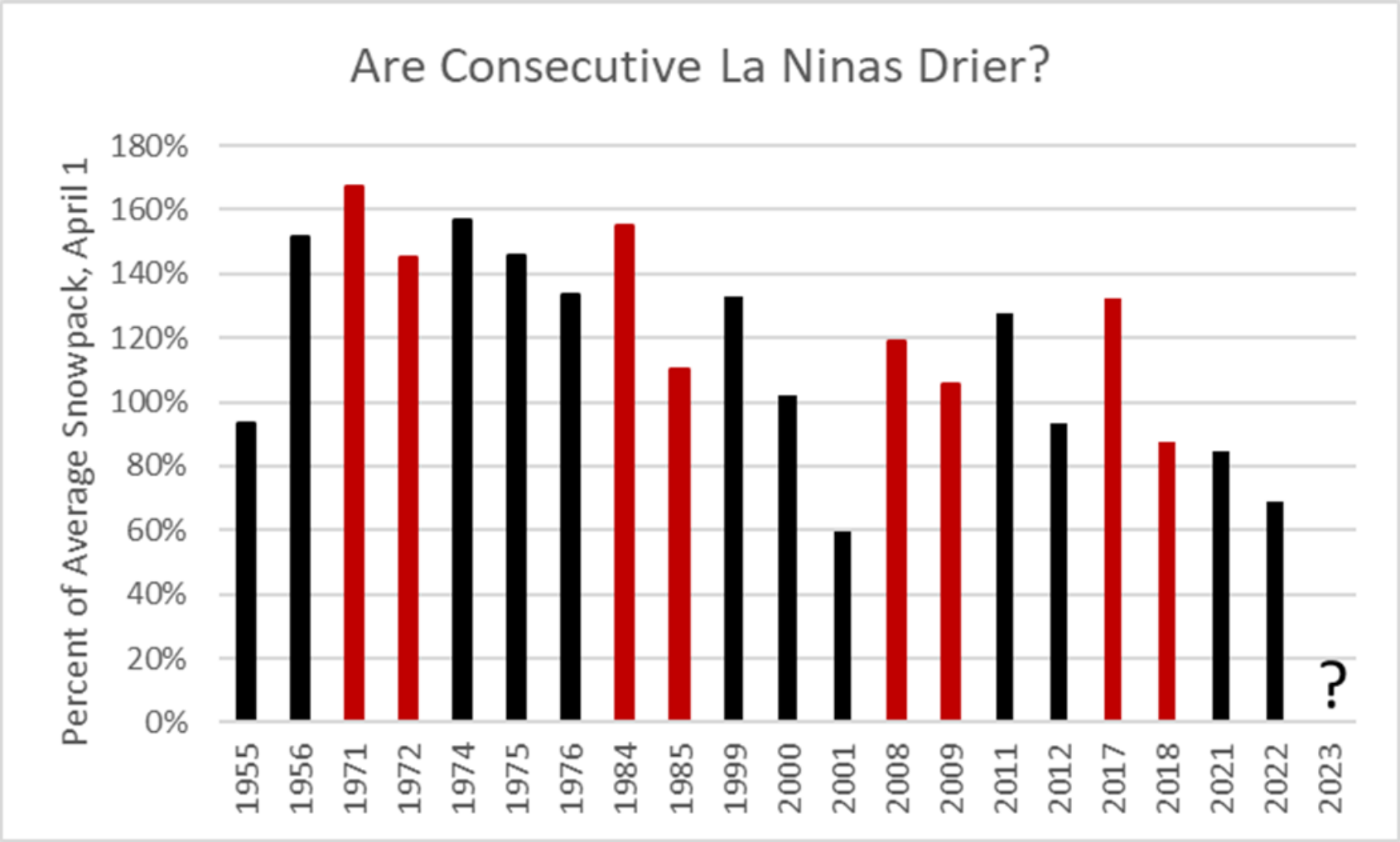


2023 WT-YEAR (La Nina?)





We broke a trend!!!



Idaho Drought Committee

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Photo from Bogus Basin website