

Month in Review - January 2025

Weather Forecast Office

Pendleton, OR

Friday, February 28

Photo taken by off-duty NWS Pendleton staff in Union County, Oregon



The Month in Review is a retrospective collection of climate statistics for NWS Pendleton's forecast area (central to northeast Oregon and south-central to southeast Washington) with specific emphasis on ASOS-based climate sites, snowpack and drought evolution, and various statistics for the water year to date.

Prepared by NWS Pendleton's Climate Services team.



Key Points - January 2025

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Pendleton, OR
Friday, February 28

- Mean (average) temperatures were predominantly near to below normal for the lower elevations during January while the mountains ranged from near normal to above normal (relative to the 1991-2020 climate reference period).
- Below- to much-below-normal precipitation was observed across the mountains with near- or below-normal precipitation across the lower elevations of our forecast area.



Local Storm Reports (LSRs) - January 2025

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Pendleton, OR
Friday, February 28

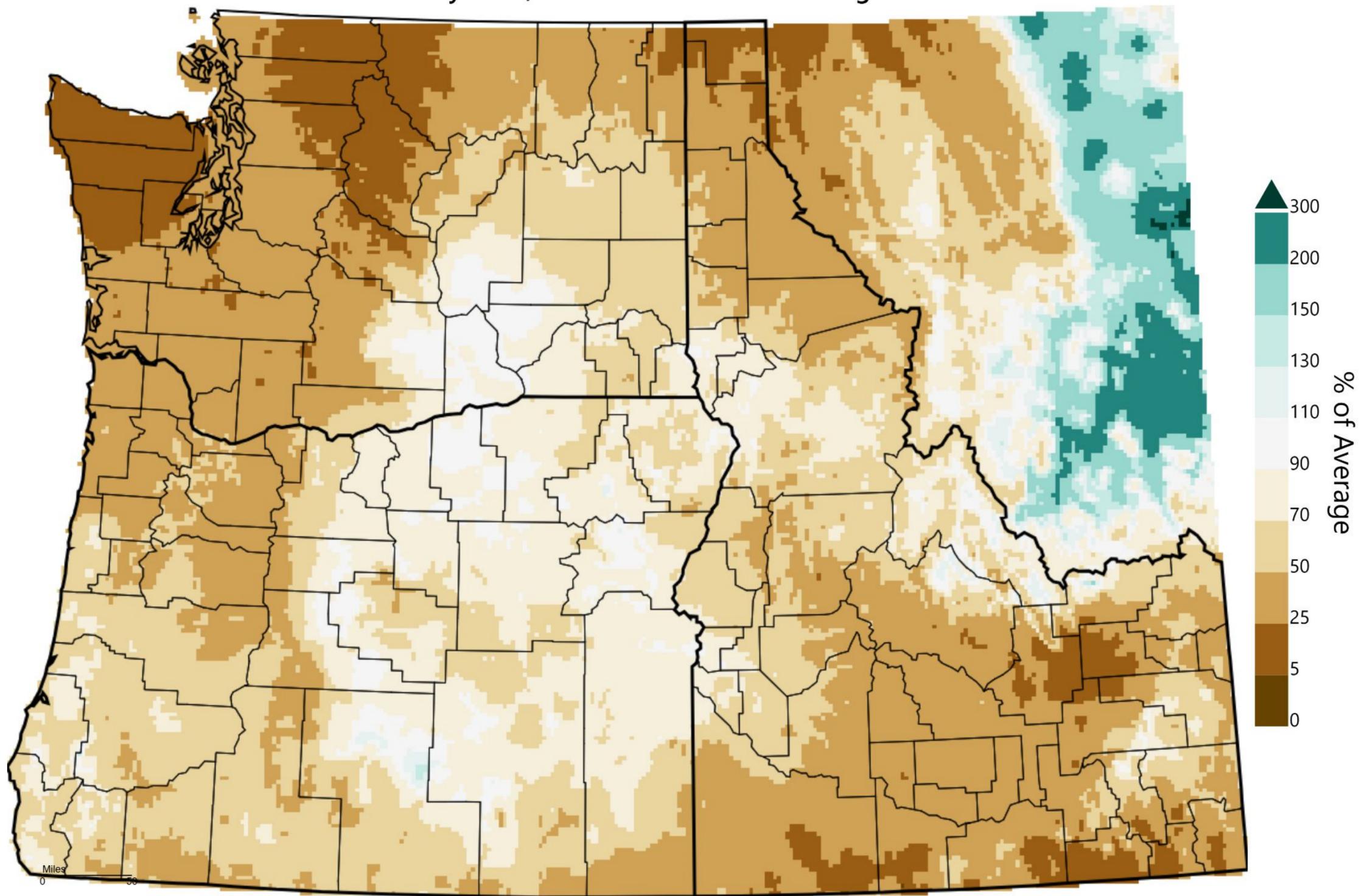
- Iowa State University's website provides a nice graphical interface for viewing archived local storm reports. See the following link for January's local storm reports in NWS Pendleton's forecast area:
<https://mesonet.agron.iastate.edu/lsr/#PDT/202501010800/202502010800/011011>
- For recent LSRs, <https://www.weather.gov/source/crh/lsrcmap.html?sid=pdt> or <https://mesonet.agron.iastate.edu/lsr/#PDT/YYYYMMDDHHmm/YYYYMMDDHHmm/111111> and change the time to your desired date range.



Precipitation Anomaly - January 2025

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Friday, February 28

Pacific Northwest - Precipitation
January 2025, Percent of 1991-2020 Average



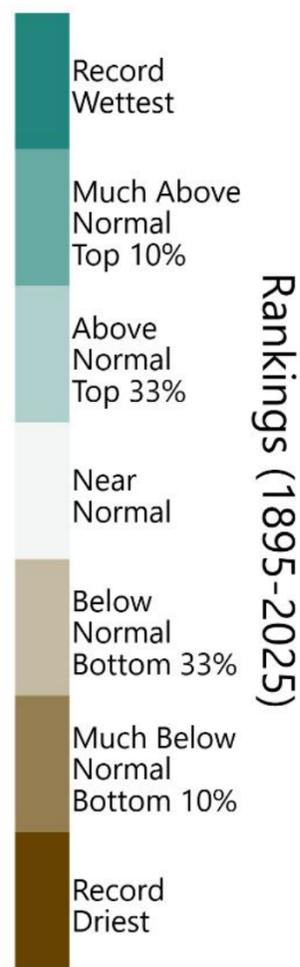
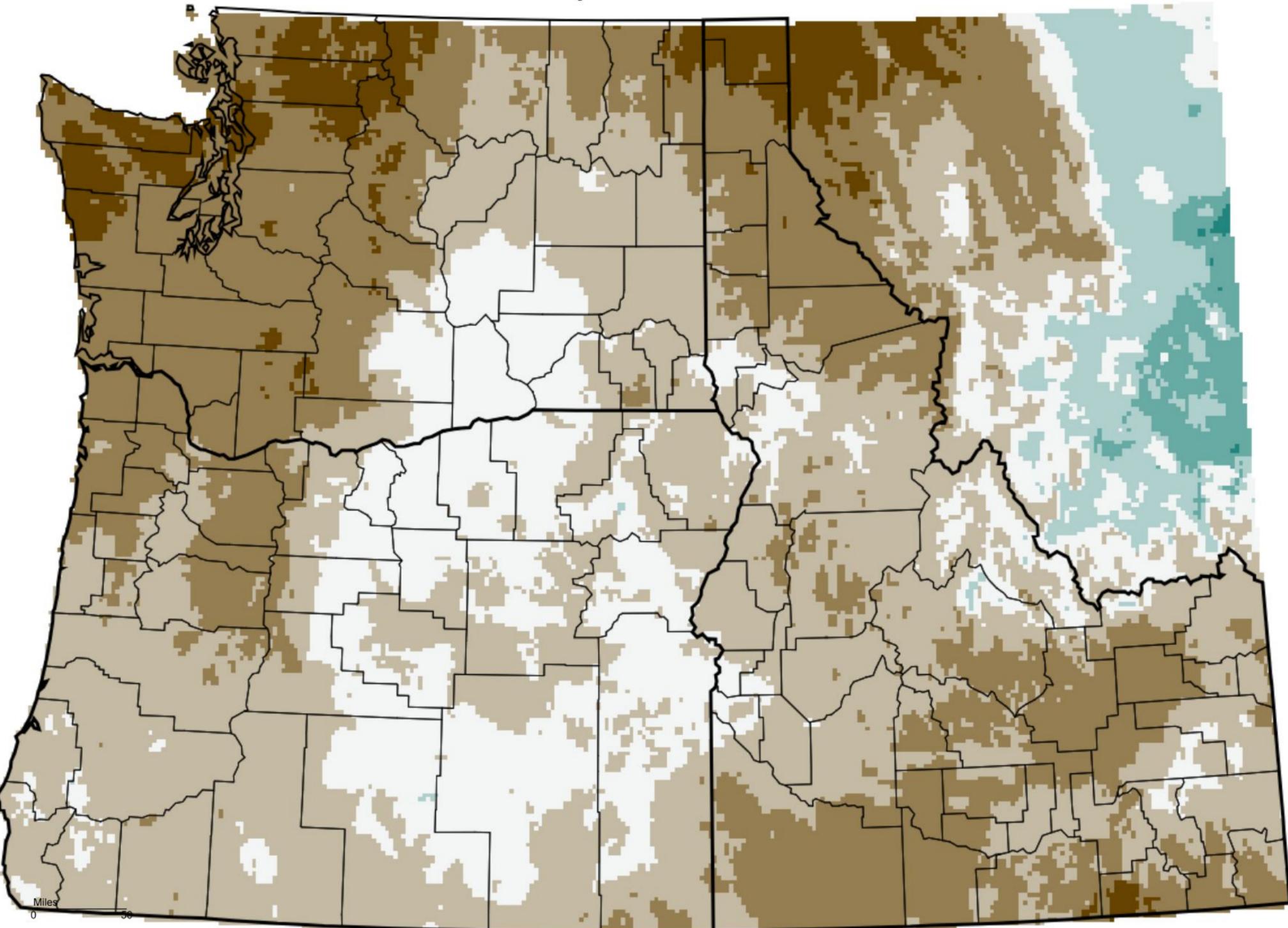
Below- to much-below-normal precipitation was observed across the mountains with near- or below-normal precipitation across the lower elevations of our forecast area.



Precipitation Percentiles - January 2025

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Pendleton, OR
Friday, February 28

Pacific Northwest - Precipitation January 2025, Percentile

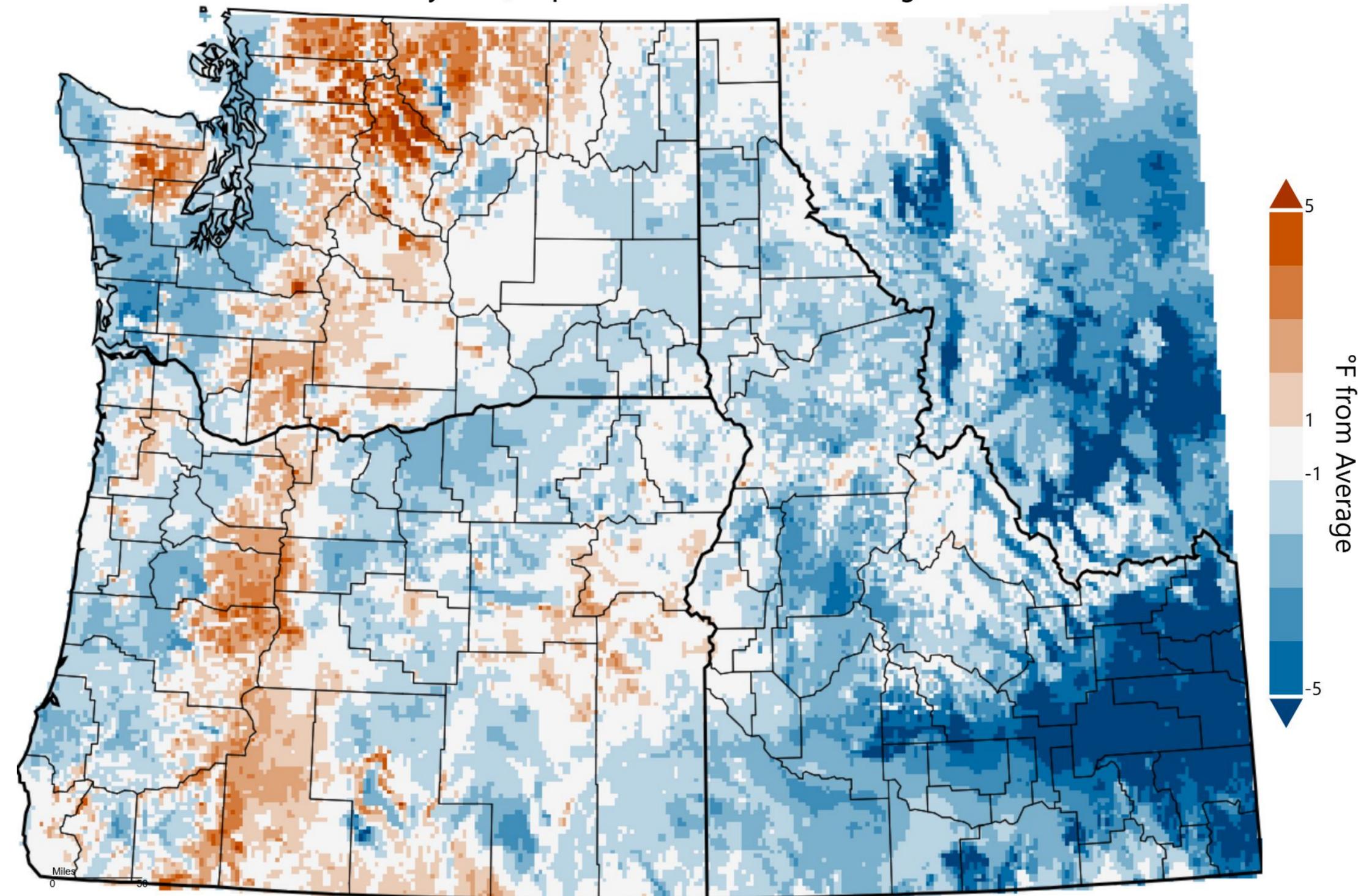


Rankings (1895-2025)

For historical context, mostly below- to much-below-normal precipitation (bottom 33% and 10% of all years, respectively) was recorded across the mountains during January, while near- to below-normal precipitation was observed for the lower elevations.

Temperature Anomaly - January 2025

Pacific Northwest - Mean Temperature
January 2025, Departure from 1991-2020 Average



Mean (average) temperatures were predominantly near to below normal for the lower elevations during January while the mountains ranged from near normal to above normal (relative to the 1991-2020 climate reference period).

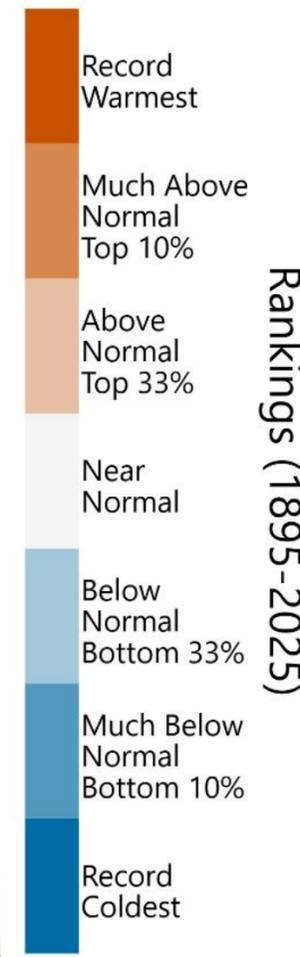
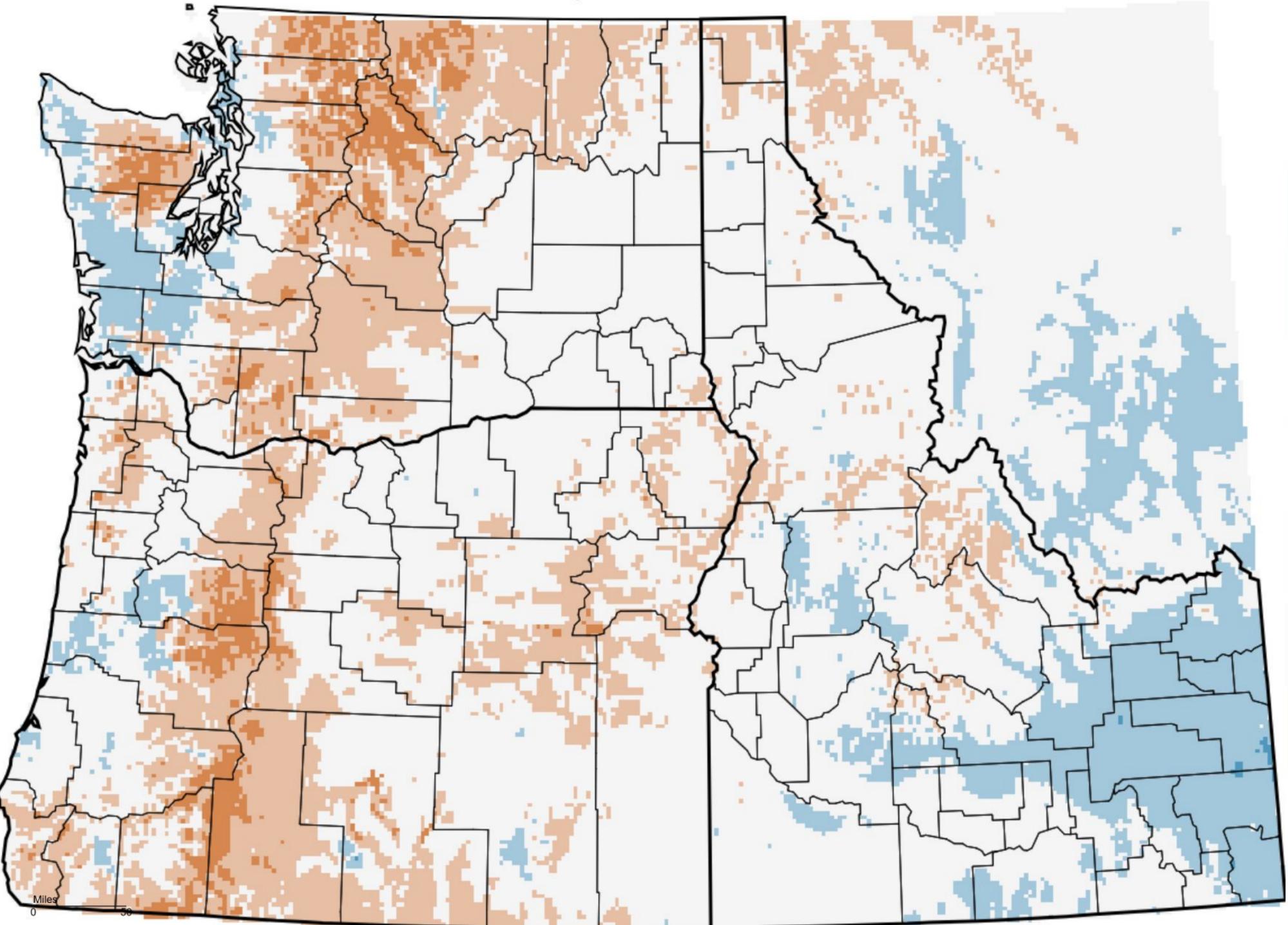


Temperature Percentiles - January 2025

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Pendleton, OR
Friday, February 28

Pacific Northwest - Mean Temperature

January 2025, Percentile



Rankings (1895-2025)

For historical context, mean (average) temperatures during January were mostly near normal for the lower elevations. In contrast, temperatures were near normal or above normal (top 33% of all years) in the mountains. Some areas of the Cascades observed much-above-normal temperatures (top 10% of all years).



January 2025 Climate Statistics - Pendleton ASOS

Weather Forecast Office
Pendleton, OR
Friday, February 28

Variable (units)	Observed	Normal	Departure
Warmest Daily Maximum Temperature (F)	52	-	-
Average Daily Maximum Temperature (F)	42.0	41.7	0.3
Average Daily Minimum Temperature (F)	26.5	28.0	-1.5
Coolest Daily Minimum Temperature (F)	17	-	-
Average Temperature (F)	34.2	34.9	-0.7
Total Precipitation (inches)	1.26	1.52	-0.26
Total Snow (inches)	0.1	3.8	-3.7

Variable (units)	Value	Day
Daily Record High Temperature (F)		
Daily Record Low Temperature (F)		
Daily Record Precipitation (inches)		

Additional climate statistics can be found here: <https://www.weather.gov/wrh/climate?wfo=pdt>



January 2025 Climate Statistics - Walla Walla ASOS

Weather Forecast Office
Pendleton, OR
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Variable (units)	Observed	Normal	Departure
Warmest Daily Maximum Temperature (F)	53	-	-
Average Daily Maximum Temperature (F)	39.8	41.9	-2.1
Average Daily Minimum Temperature (F)	27.3	30.7	-3.4
Coolest Daily Minimum Temperature (F)	18	-	-
Average Temperature (F)	33.5	36.3	-2.8
Total Precipitation (inches)	1.43	2.10	-0.67

Variable (units)	Value	Day
Daily Record High Temperature (F)		
Daily Record Low Temperature (F)		
Daily Record Precipitation (inches)		

Additional climate statistics can be found here: <https://www.weather.gov/wrh/climate?wfo=pdt>



January 2025 Climate Statistics - The Dalles ASOS

Weather Forecast Office
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Variable (units)	Observed	Normal	Departure
Warmest Daily Maximum Temperature (F)	55	-	-
Average Daily Maximum Temperature (F)	44.2	42.1	2.1
Average Daily Minimum Temperature (F)	28.0	30.9	-2.9
Coolest Daily Minimum Temperature (F)	17	-	-
Average Temperature (F)	36.1	36.5	-0.4
Total Precipitation (inches)	1.83	2.38	-0.55

Variable (units)	Value	Day
Daily Record High Temperature (F)		
Daily Record Low Temperature (F)		
Daily Record Precipitation (inches)		



January 2025 Climate Statistics - Ellensburg ASOS

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Pendleton, OR
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Variable (units)	Observed	Normal	Departure
Warmest Daily Maximum Temperature (F)	47	-	-
Average Daily Maximum Temperature (F)	38.5	36.6	1.9
Average Daily Minimum Temperature (F)	22.9	24.1	-1.2
Coolest Daily Minimum Temperature (F)	11	-	-
Average Temperature (F)	30.7	30.4	0.3
Total Precipitation (inches)	0.67	1.23	-0.56

Variable (units)	Value	Day
Daily Record High Temperature (F)		
Daily Record Low Temperature (F)		
Daily Record Precipitation (inches)	0.30	3rd



January 2025 Climate Statistics - Hermiston ASOS

Weather Forecast Office
Pendleton, OR
Friday, February 28

Variable (units)	Observed	Normal	Departure
Warmest Daily Maximum Temperature (F)	55	-	-
Average Daily Maximum Temperature (F)	43.0	43.3	-0.3
Average Daily Minimum Temperature (F)	24.4	28.7	-4.3
Coolest Daily Minimum Temperature (F)	12	-	-
Average Temperature (F)	33.7	36.0	-2.3
Total Precipitation (inches)	0.99	1.14	-0.15

Variable (units)	Value	Day
Daily Record High Temperature (F)		
Daily Record Low Temperature (F)		
Daily Record Precipitation (inches)	0.58	3rd

Additional climate statistics can be found here: <https://www.weather.gov/wrh/climate?wfo=pdt>



January 2025 Climate Statistics - Meacham ASOS

Weather Forecast Office
Pendleton, OR
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Variable (units)	Observed	Normal	Departure
Warmest Daily Maximum Temperature (F)	50	-	-
Average Daily Maximum Temperature (F)	36.8	36.7	0.1
Average Daily Minimum Temperature (F)	16.1	21.0	-4.9
Coolest Daily Minimum Temperature (F)	-3	-	-
Average Temperature (F)	26.5	28.8	-2.3
Total Precipitation (inches)	2.91	4.51	-1.60

Variable (units)	Value	Day
Daily Record High Temperature (F)		
Daily Record Low Temperature (F)		
Daily Record Precipitation (inches)		

Additional climate statistics can be found here: <https://www.weather.gov/wrh/climate?wfo=pdt>



January 2025 Climate Statistics - Pasco ASOS

Weather Forecast Office
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Variable (units)	Observed	Normal	Departure
Warmest Daily Maximum Temperature (F)	55	-	-
Average Daily Maximum Temperature (F)	42.2	41.4	0.8
Average Daily Minimum Temperature (F)	24.6	27.8	-3.2
Coolest Daily Minimum Temperature (F)	13	-	-
Average Temperature (F)	33.4	34.6	-1.2
Total Precipitation (inches)	0.91	1.03	-0.12

Variable (units)	Value	Day
Daily Record High Temperature (F)		
Daily Record Low Temperature (F)		
Daily Record Precipitation (inches)		



January 2025 Climate Statistics - Redmond ASOS

Weather Forecast Office
Pendleton, OR
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Variable (units)	Observed	Normal	Departure
Warmest Daily Maximum Temperature (F)	60	-	-
Average Daily Maximum Temperature (F)	46.0	44.2	1.8
Average Daily Minimum Temperature (F)	21.5	25.3	-3.8
Coolest Daily Minimum Temperature (F)	6	-	-
Average Temperature (F)	33.7	34.8	-1.1
Total Precipitation (inches)	0.86	0.98	-0.12

Variable (units)	Value	Day
Daily Record High Temperature (F)		
Daily Record Low Temperature (F)		
Daily Record Precipitation (inches)	0.33	5th

Additional climate statistics can be found here: <https://www.weather.gov/wrh/climate?wfo=pdt>



January 2025 Climate Statistics - Yakima ASOS

Weather Forecast Office
Pendleton, OR
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Variable (units)	Observed	Normal	Departure
Warmest Daily Maximum Temperature (F)	52	-	-
Average Daily Maximum Temperature (F)	40.4	39.5	0.9
Average Daily Minimum Temperature (F)	23.2	24.0	-0.8
Coolest Daily Minimum Temperature (F)	11	-	-
Average Temperature (F)	31.8	31.7	0.1
Total Precipitation (inches)	0.88	1.19	-0.31

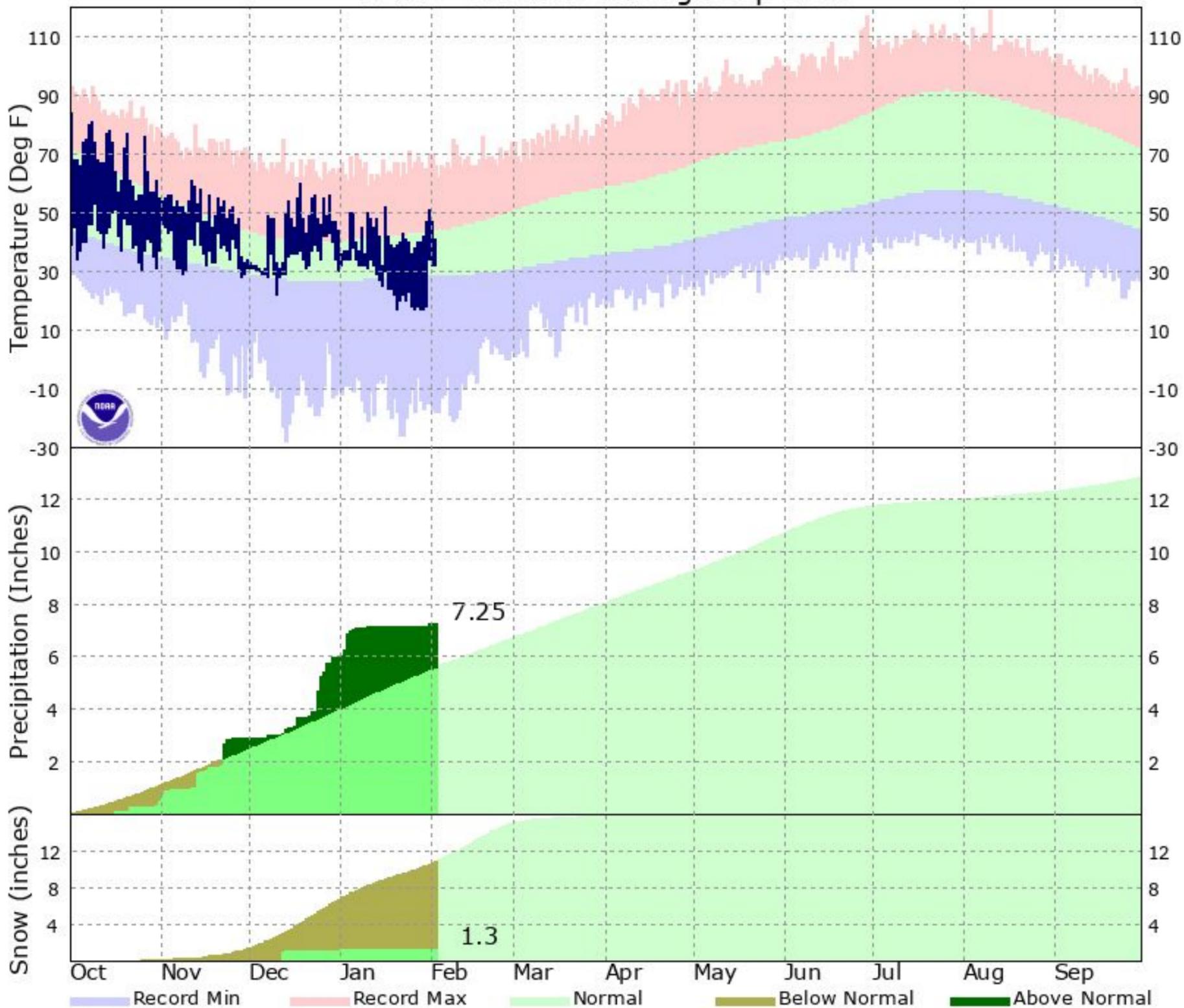
Variable (units)	Value	Day
Daily Record High Temperature (F)		
Daily Record Low Temperature (F)		
Daily Record Precipitation (inches)	0.63	3rd



Water Year Climate Graphs - Pendleton ASOS

Weather Forecast Office
Pendleton, OR
Friday, February 28

KPDT - Oct 2024 Through Sep 2025



During the October 2024 - September 2025 water year, Pendleton has observed above-normal precipitation and below-normal snowfall.

The latest graphs are located here:

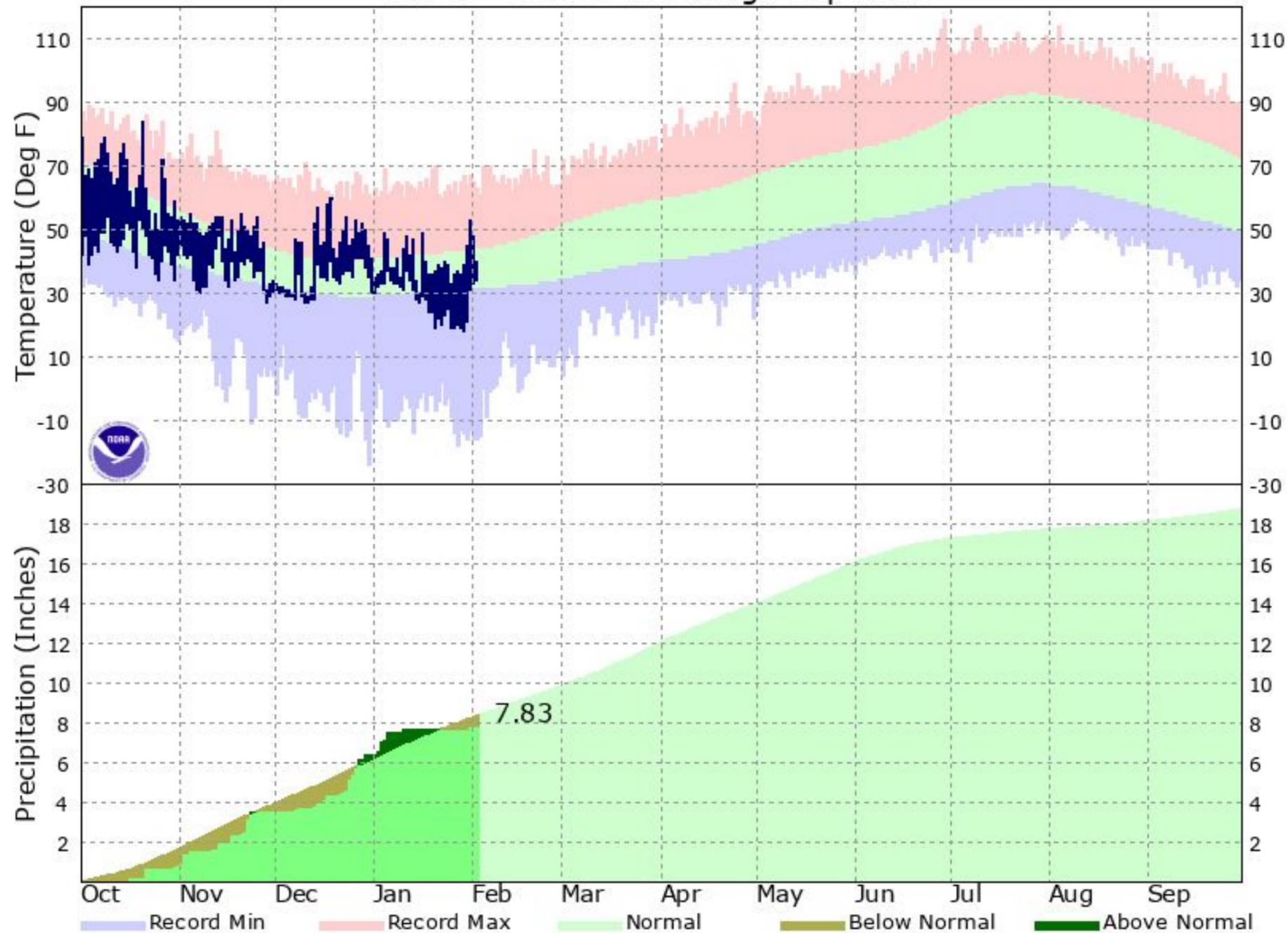
<https://www.weather.gov/pdt/CliPlot>



Water Year Climate Graphs - Walla Walla ASOS

Weather Forecast Office
Pendleton, OR
Friday, February 28

KALW - Oct 2024 Through Sep 2025



During the October 2024 - September 2025 water year, Walla Walla has received near-normal precipitation.

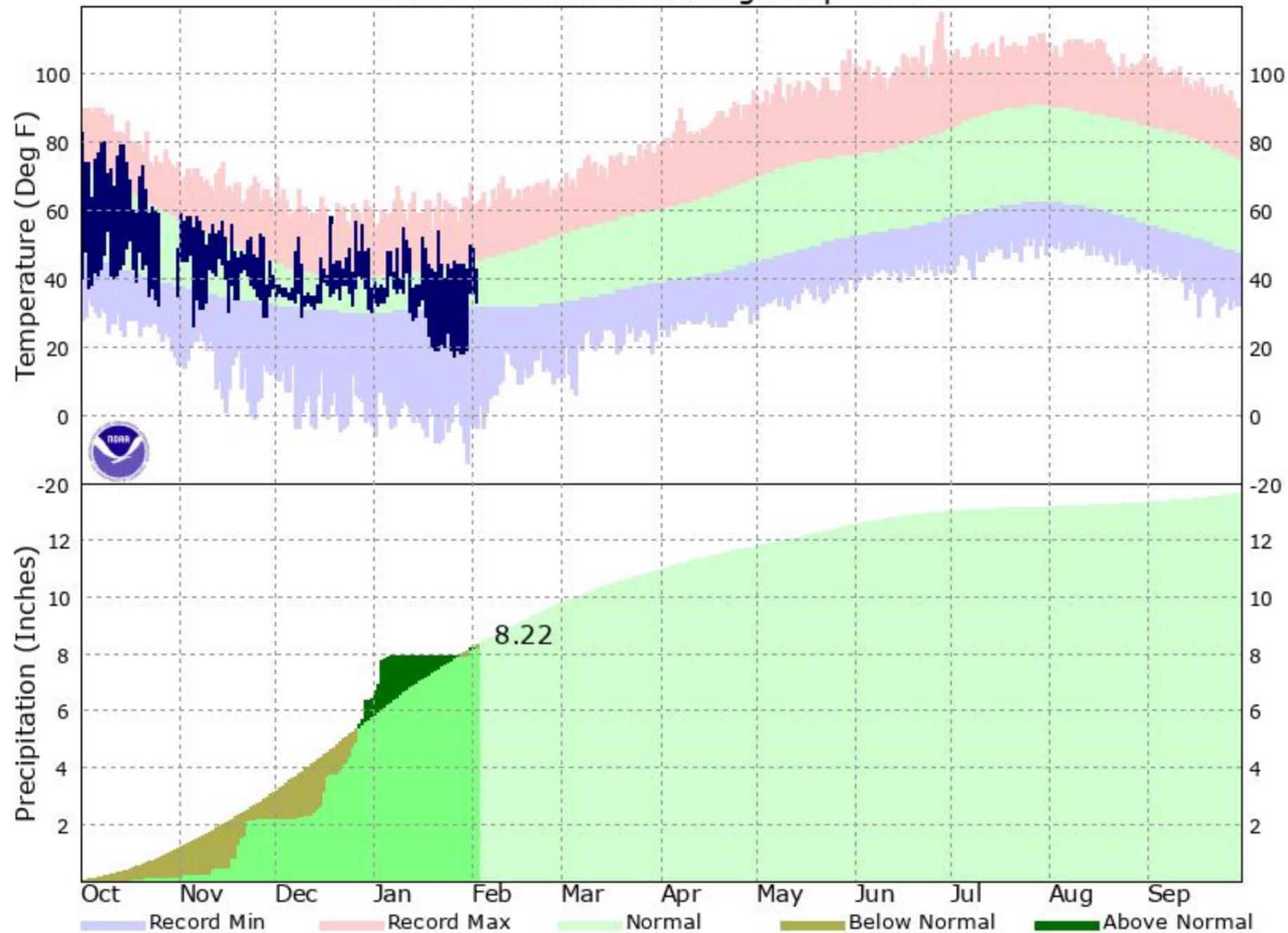
The latest graphs are located here:
<https://www.weather.gov/pdt/CliPlot>



Water Year Climate Graphs - The Dalles ASOS

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Pendleton, OR
Friday, February 28

KDLS - Oct 2024 Through Sep 2025



During the October 2024 - September 2025 water year, The Dalles has recorded near-normal precipitation.

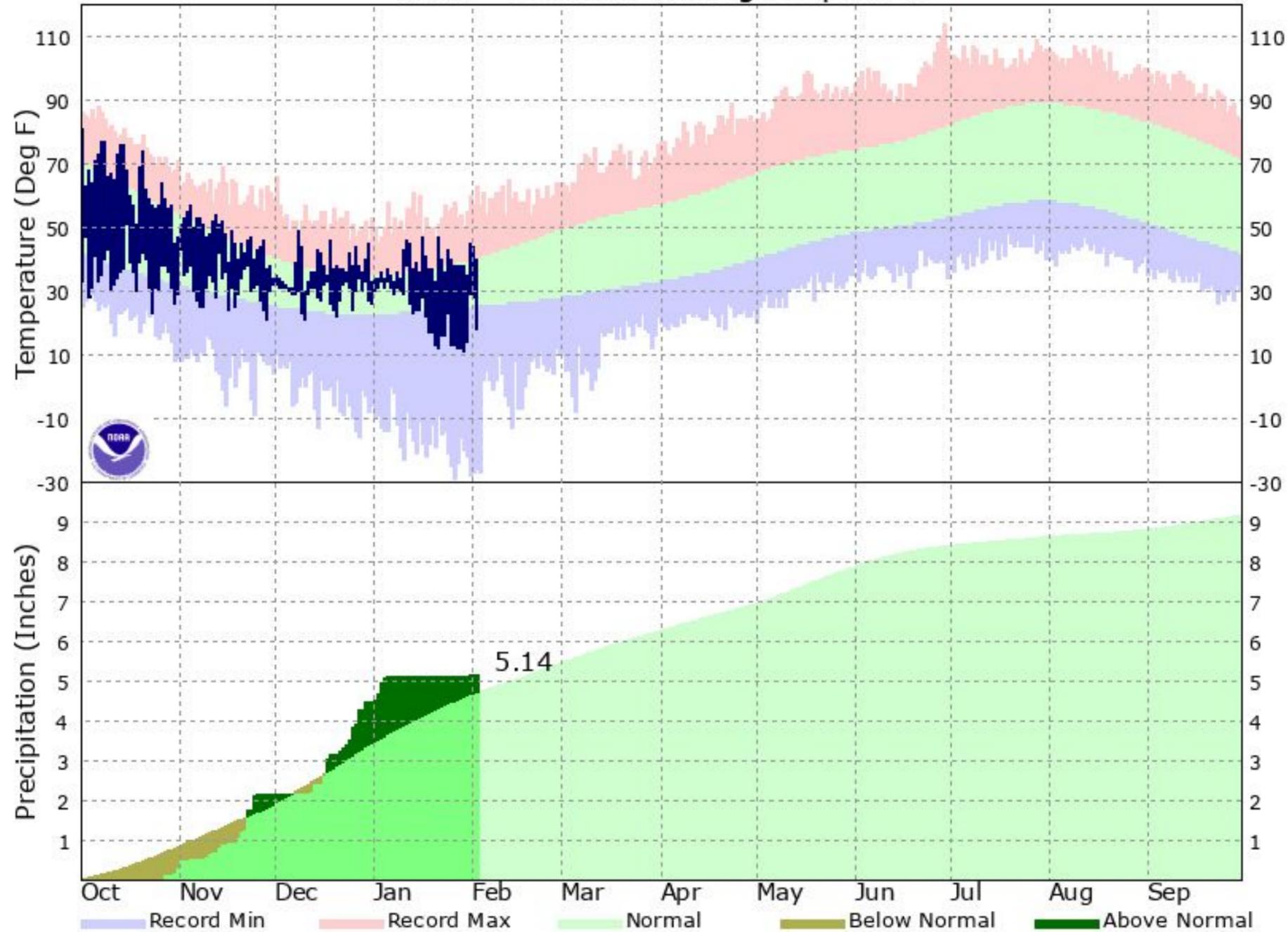
The latest graphs are located here:
<https://www.weather.gov/pdt/CliPlot>



Water Year Climate Graphs - Ellensburg ASOS

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Friday, February 28

KELN - Oct 2024 Through Sep 2025



During the October 2024 - September 2025 water year, Ellensburg has observed above-normal precipitation.

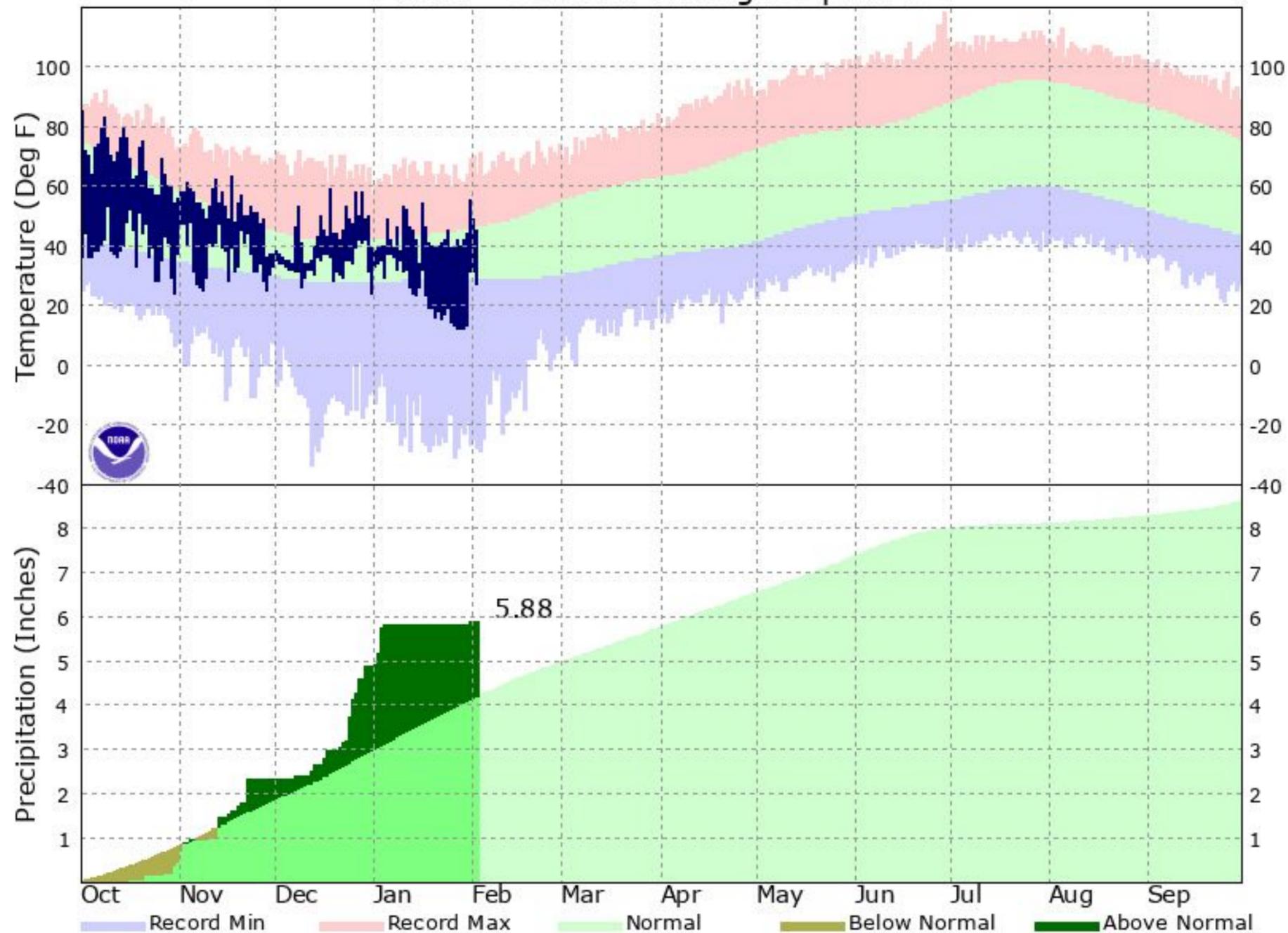
The latest graphs are located here:
<https://www.weather.gov/pdt/CliPlot>



Water Year Climate Graphs - Hermiston ASOS

Weather Forecast Office
Pendleton, OR
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KHRI - Oct 2024 Through Sep 2025



During the October 2024 - September 2025 water year, Hermiston has recorded above-normal precipitation.

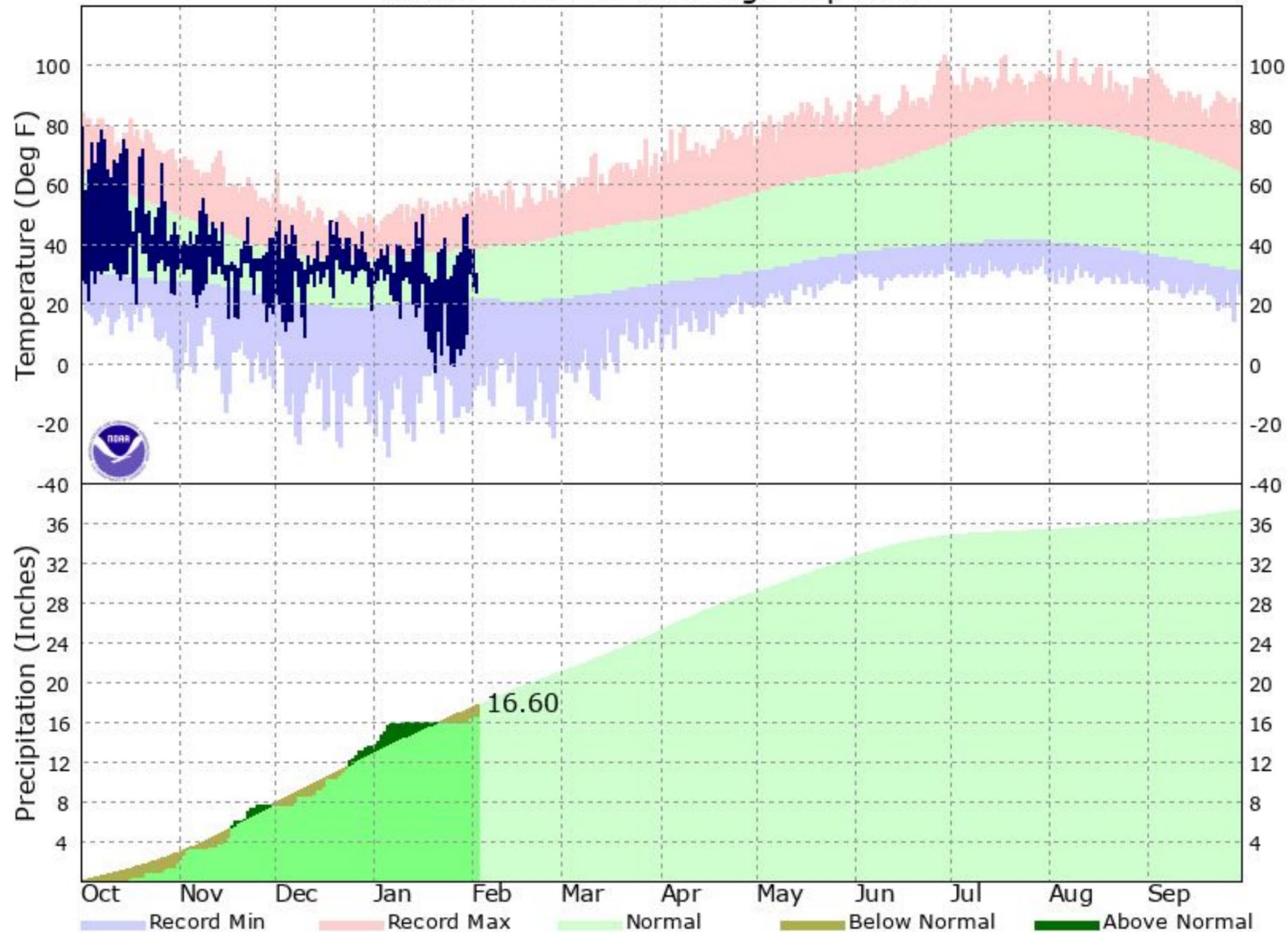
The latest graphs are located here:
<https://www.weather.gov/pdt/CliPlot>



Water Year Climate Graphs - Meacham ASOS

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Friday, February 28

KMEH - Oct 2024 Through Sep 2025



During the October 2024 - September 2025 water year, Meacham has received near-normal precipitation.

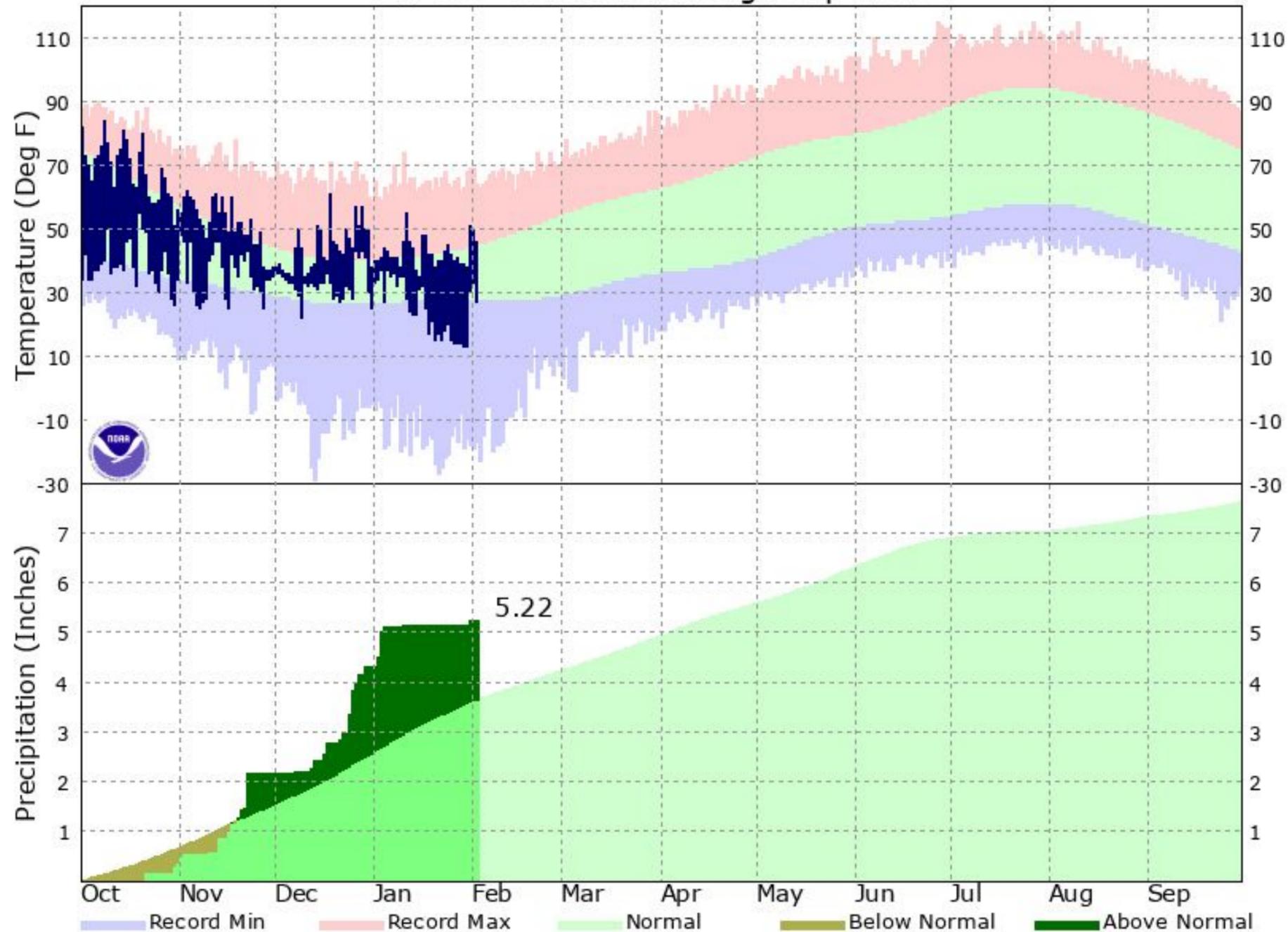
The latest graphs are located here:
<https://www.weather.gov/pdt/CliPlot>



Water Year Climate Graphs - Pasco ASOS

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KPSC - Oct 2024 Through Sep 2025



During the October 2024 - September 2025 water year, Pasco has observed above-normal precipitation.

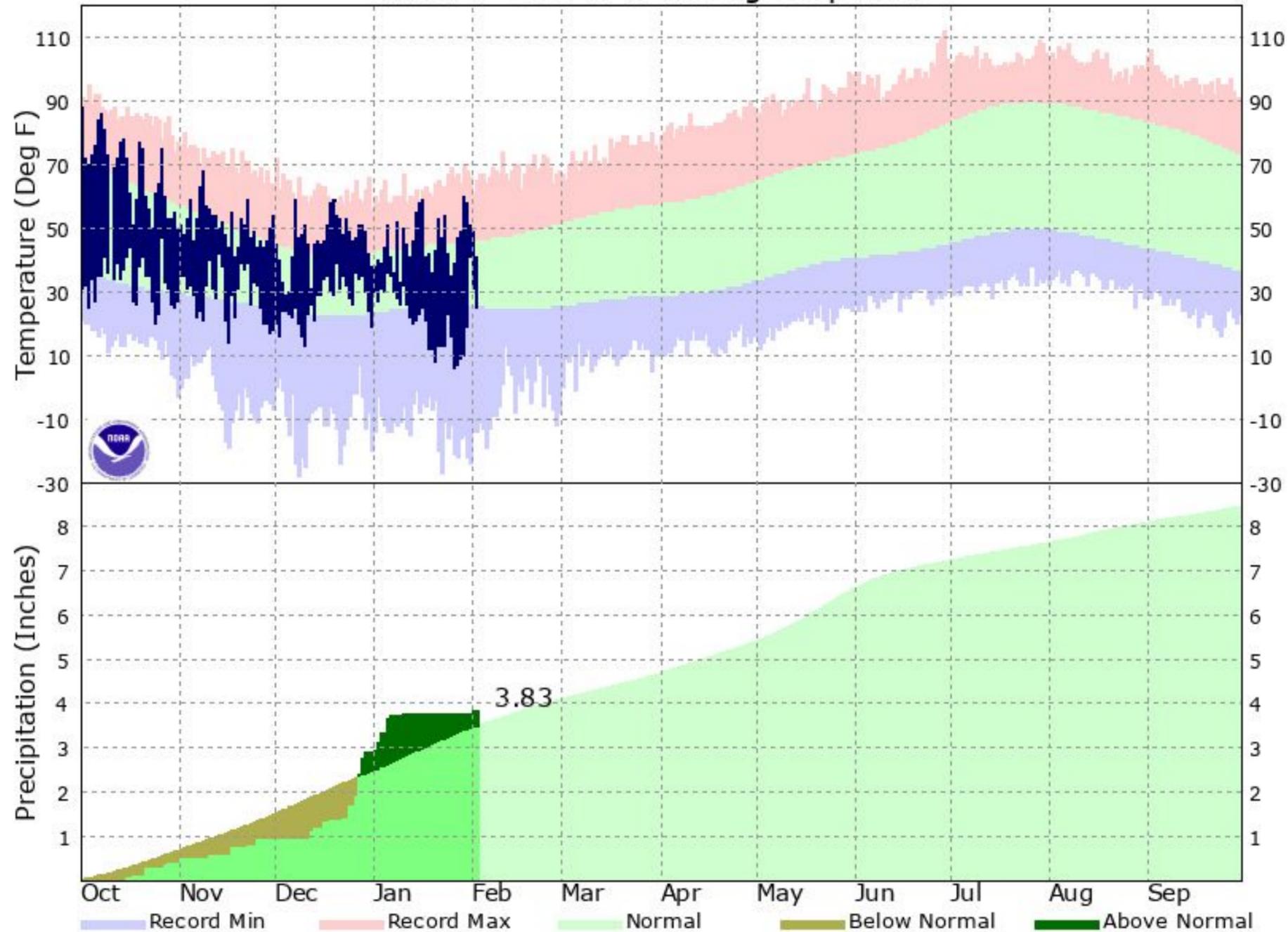
The latest graphs are located here:
<https://www.weather.gov/pdt/CliPlot>



Water Year Climate Graphs - Redmond ASOS

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Pendleton, OR
Friday, February 28

KRDM - Oct 2024 Through Sep 2025



During the October 2024 - September 2025 water year, Redmond has recorded above-normal precipitation.

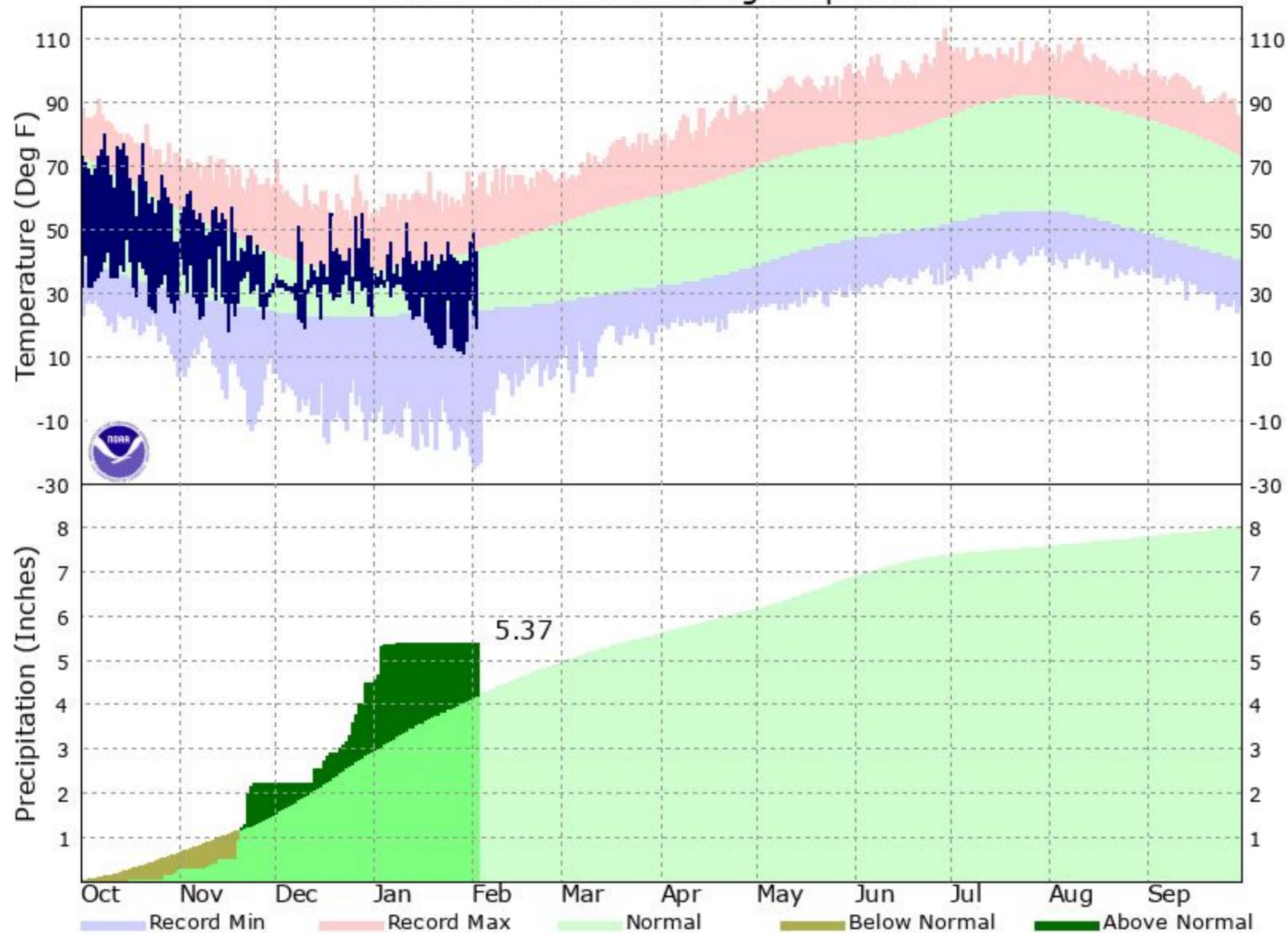
The latest graphs are located here:
<https://www.weather.gov/pdt/CliPlot>



Water Year Climate Graphs - Yakima ASOS

Weather Forecast Office
Pendleton, OR
Friday, February 28

KYKM - Oct 2024 Through Sep 2025



During the October 2024 - September 2025 water year, Yakima has recorded above-normal precipitation.

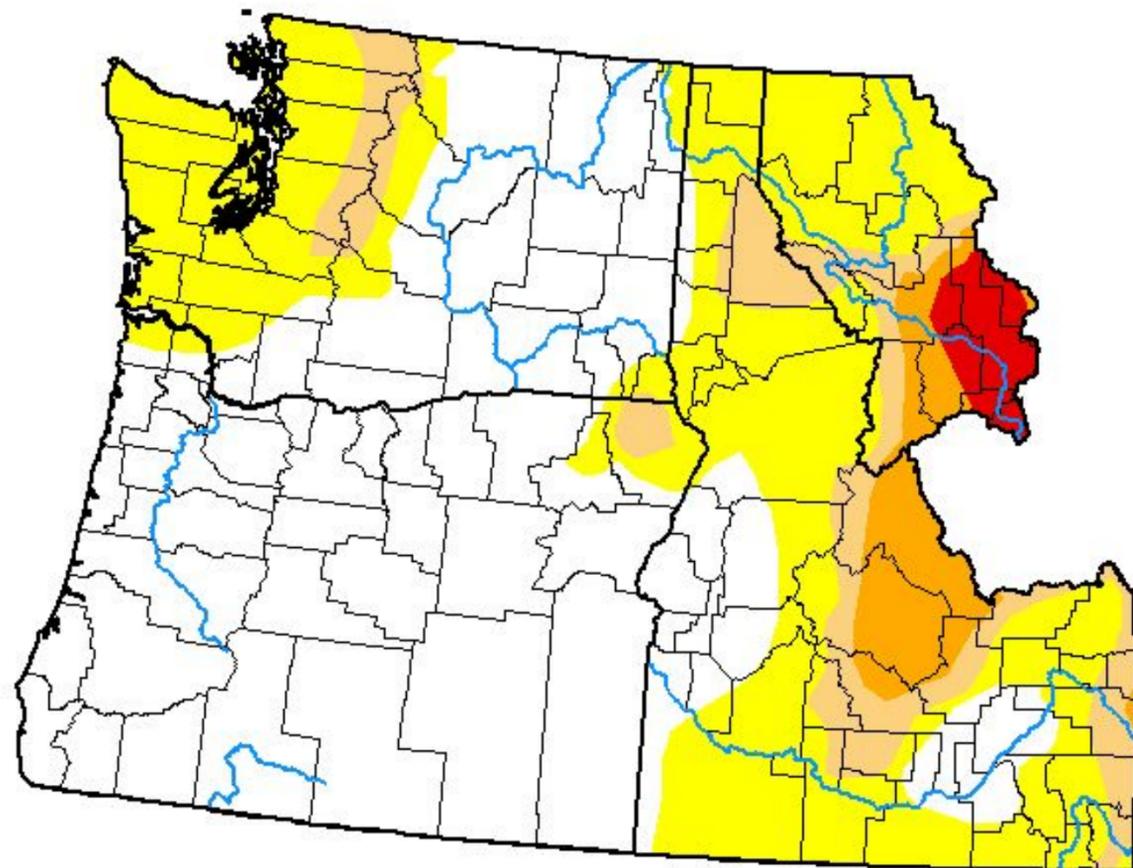
The latest graphs are located here:
<https://www.weather.gov/pdt/CliPlot>



Drought Status: Late January

Weather Forecast Office
Pendleton, OR
Friday, February 28

U.S. Drought Monitor Pacific Northwest DEWS



January 28, 2025

(Released Thursday, Jan. 30, 2025)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	54.70	45.30	14.10	5.89	1.71	0.00
Last Week 01-21-2025	65.45	34.55	13.26	5.89	1.71	0.00
3 Months Ago 10-29-2024	11.49	88.51	58.59	11.03	2.53	0.49
Start of Calendar Year 01-07-2025	61.17	38.83	14.59	4.29	1.75	0.00
Start of Water Year 10-01-2024	13.07	86.93	56.26	11.40	2.27	0.49
One Year Ago 01-30-2024	55.94	44.06	27.60	8.75	0.00	0.00

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate 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:

Brian Fuchs
National Drought Mitigation Center



droughtmonitor.unl.edu

D4 (Exceptional Drought): None.

D3 (Extreme Drought): None.

D2 (Severe Drought): None.

D1 (Moderate Drought): Portions of Kittitas, Yakima, and Wallowa counties.

D0 (Abnormally Dry): Portions of Kittitas, Yakima, Columbia, Union, and Wallowa counties.

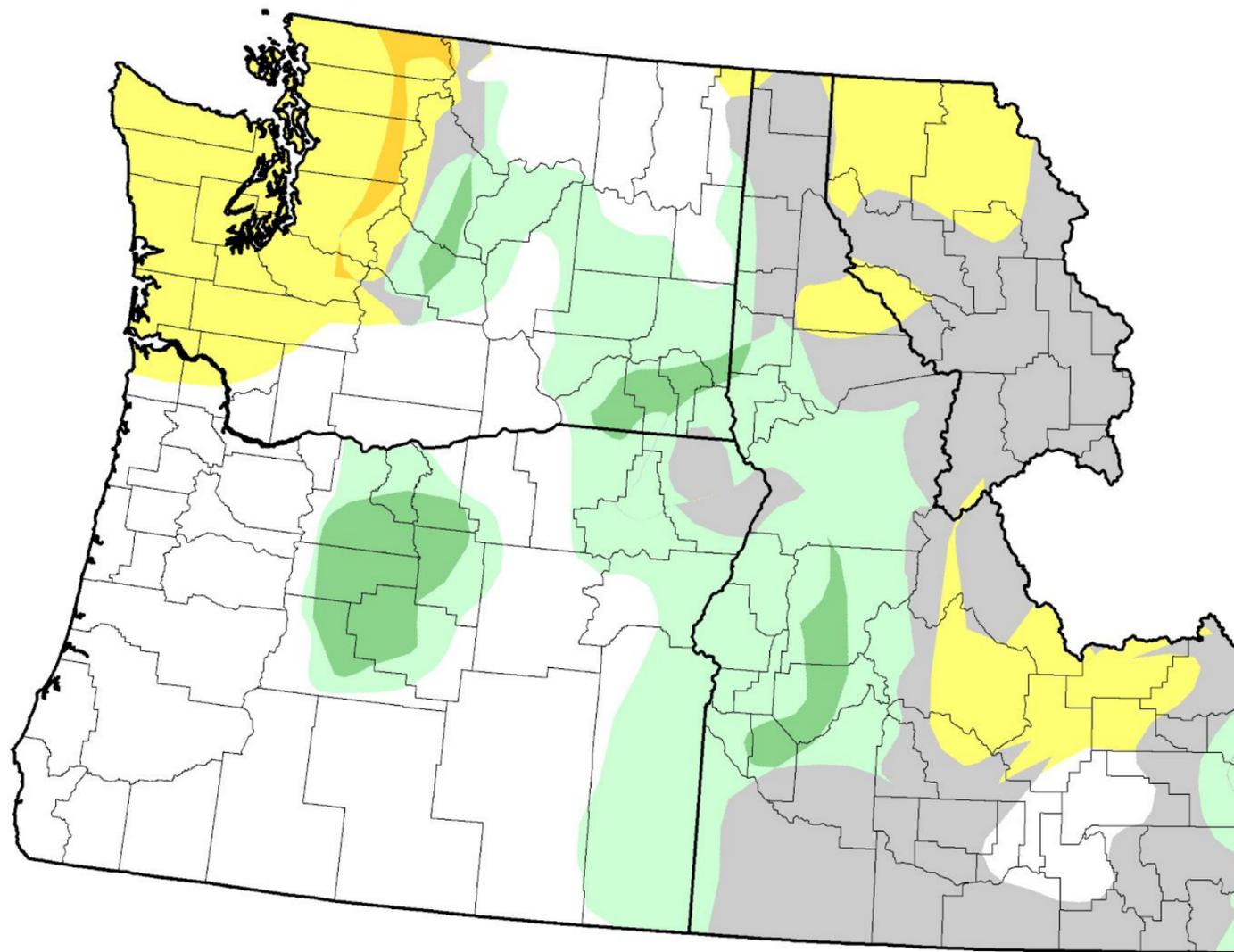
For the latest conditions, please see droughtmonitor.unl.edu



Drought Evolution: 4-Week Change during January

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Pendleton, OR
Friday, February 28

U.S. Drought Monitor Class Change - Pacific Northwest DEWS
4 Week



- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

January 28, 2025
compared to
December 31, 2024

droughtmonitor.unl.edu

Improved: Portions of all counties except Klickitat and Benton.

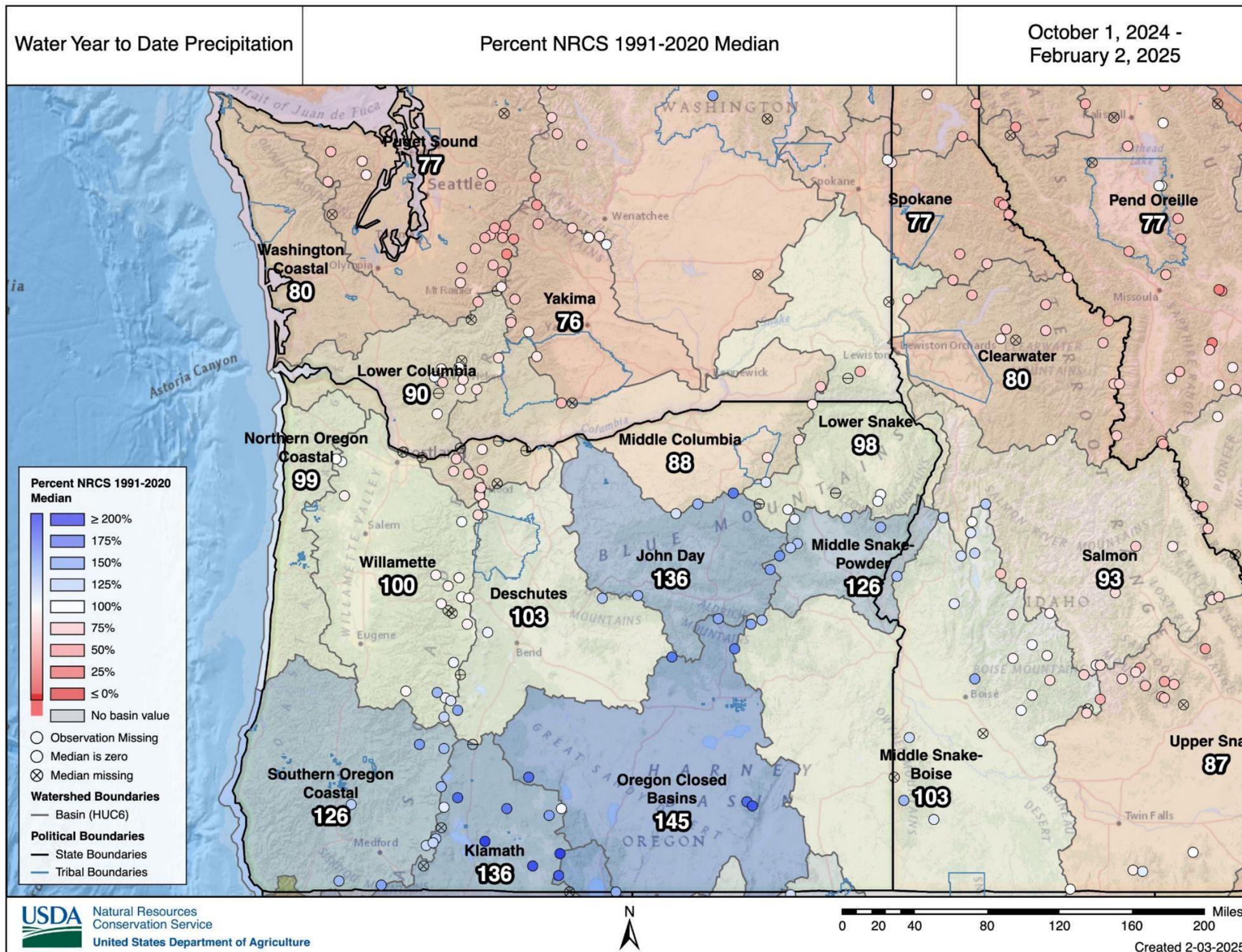
Degraded: Portions of the Cascade crest of Yakima/Kittitas counties.

No change: Portions of Yakima, Kittitas, and Wallowa counties.



SNOTEL Precipitation - Basin/Watershed Map

Weather Forecast Office
Pendleton, OR
Friday, February 28



Basin-wide SNOTEL precipitation for the water year to date (October 1, 2024 - February 2, 2025) relative to the 1991-2020 median is shown on the left. Basin names are displayed, and individual SNOTELs are represented as filled circles.

For the water year to date through February 2nd, precipitation was mostly near or above the climatological median for areas south of approximately 45-46N latitude. Conversely, precipitation was mostly near or below the median north of roughly 45-46N latitude.

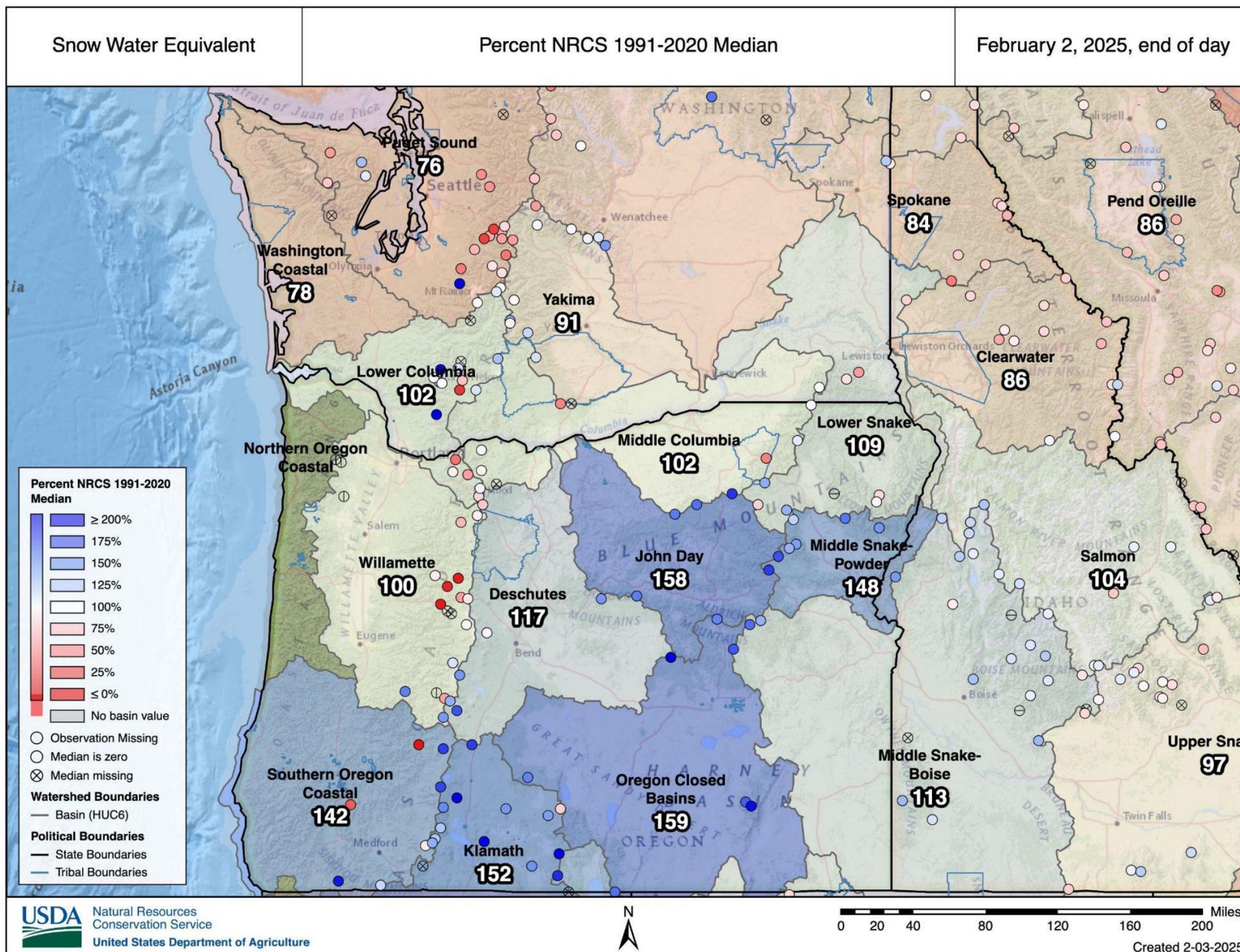
View the latest conditions here:

<https://nwcc-apps.sc.egov.usda.gov/imap/#version=169&elements=&networks=!&states=!&basins=!&hucs=&minElevation=&maxElevation=&elementSelectType=any&activeOnly=true&activeForecastPointsOnly=false&hucLabels=true&hucIdLabels=false&hucParameterLabels=true&stationLabels=&overlays=&hucOverlays=state.tribal&basinOpacity=55&basinNoDataOpacity=25&basemapOpacity=100&maskOpacity=0&mode=data&openSections=data&Element,parameter,date,basin,options,elements,location,networks,overlays,labels&controlsOpen=true&popup=&popupMulti=&popupBasin=&base=esriNgwm&displayType=basinstation&basinType=6&dataElement=PREC&depth=-8¶meter=PCTMED&frequency=DAILY&duration=wytd&customDuration=&dayPart=E&monthPart=E&forecastPubDay=1&forecastExceedance=50&useMixedPast=true&seqColor=1&divColor=5&scaleType=D&scaleMin=&scaleMax=&referencePeriodType=POR&referenceBegin=1991&referenceEnd=2020&minimumYears=20&hucAssociations=true&relativeDate=-1&lat=45.285&lon=-120.027&zoom=6.5>



SNOTEL Snow Water Equivalent (SWE) - Basin/Watershed Map

Weather Forecast Office
Pendleton, OR
Friday, February 28



Basin-wide snow water equivalent (SWE) percent of 1991-2020 median is shown on the left (valid February 2nd, 2025). Basin names are displayed, and individual SNOTELs are represented as filled circles.

View the latest conditions here:

<https://nwcc-apps.sc.egov.usda.gov/imap/#version=169&elements=&networks=!&states=!&basins=!&hucs=&minElevation=&maxElevation=&elementSelectType=any&activeOnly=true&activeForecastPointsOnly=false&hucLabels=true&hucIdLabels=false&hucParameterLabels=true&stationLabels=&overlays=&hucOverlays=state,tribal&basinOpacity=55&basinNoDataOpacity=25&basemapOpacity=100&maskOpacity=0&mode=data&openSections=dataElement,parameter,date,basin,options,elements,location,networks,overlays,labels&controlsOpen=true&popup=&popupMulti=&popupBasin=&base=esriNgwm&displayType=basinstation&basinType=6&dataElement=WTEQ&depth=-8¶meter=PCTMED&frequency=DAILY&duration=1&customDuration=&dayPart=E&monthPart=E&forecastPubDay=1&forecastExceedance=50&useMixedPast=true&seqColor=1&divColor=5&scaleType=D&scaleMin=&scaleMax=&referencePeriodType=POR&referenceBegin=1991&referenceEnd=2020&minimumYears=20&hucAssociations=true&relativeDate=-1&lat=45.285&lon=-120.027&zoom=6.5>



SNOTEL Snow Water Equivalent (SWE) - Lower Snake Watershed

SNOW WATER EQUIVALENT IN LOWER SNAKE

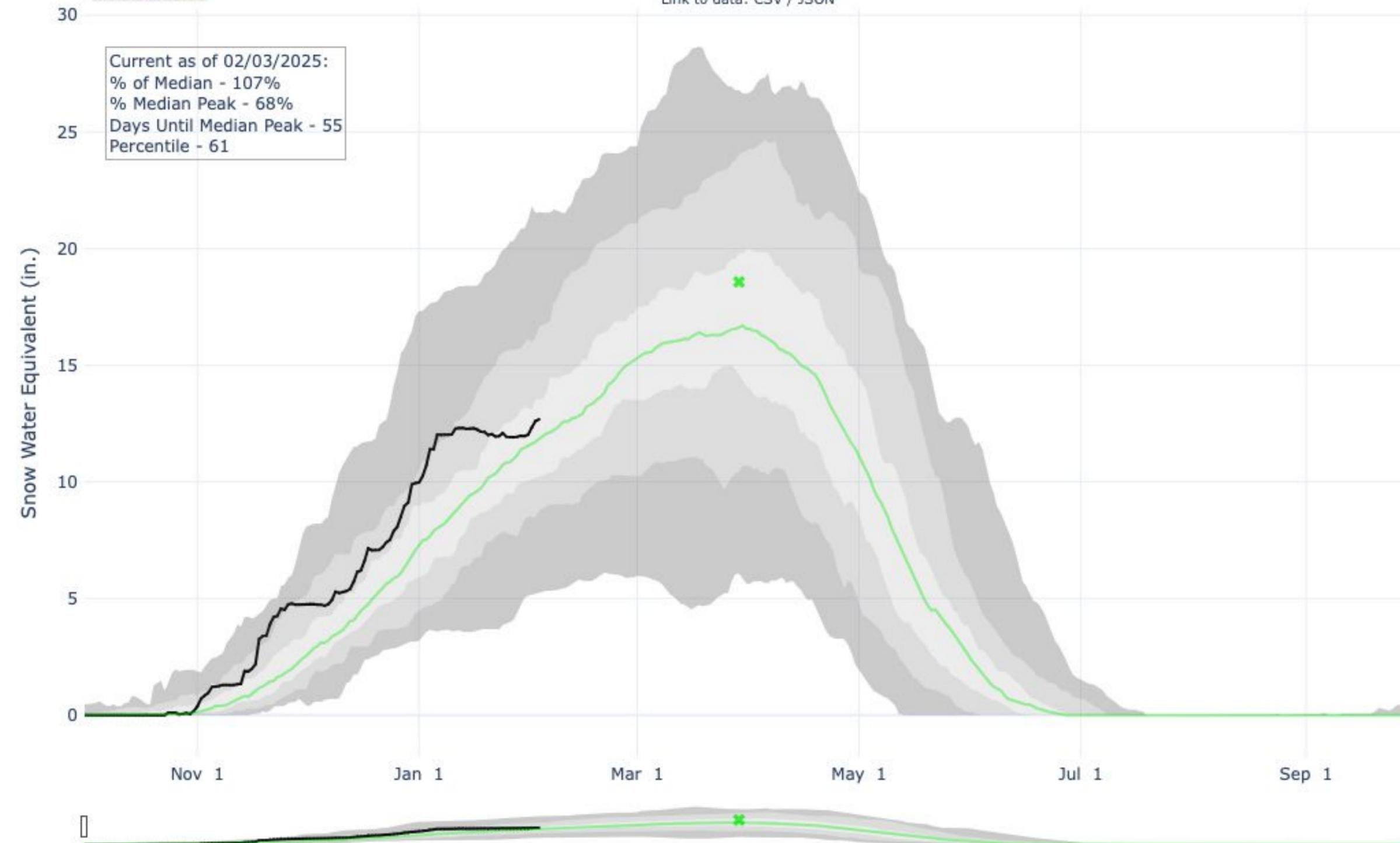
Reset Range

Link to data: CSV / JSON

Current as of 02/03/2025:
% of Median - 107%
% Median Peak - 68%
Days Until Median Peak - 55
Percentile - 61

Station List

- ✖ Median Peak SWE
- Median ('91-'20)
- Stats. Shading
- 2025 (16 sites)



Shading breaks at the 10th, 30th, 50th, 70th, and 90th percentiles for the period of record.

The black line indicates the current water year, while the green line shows the median value, and the green "x" is the median peak SWE magnitude and date.





SNOTEL Snow Water Equivalent (SWE) - Middle Columbia Watershed

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Friday, February 28

SNOW WATER EQUIVALENT IN MIDDLE COLUMBIA

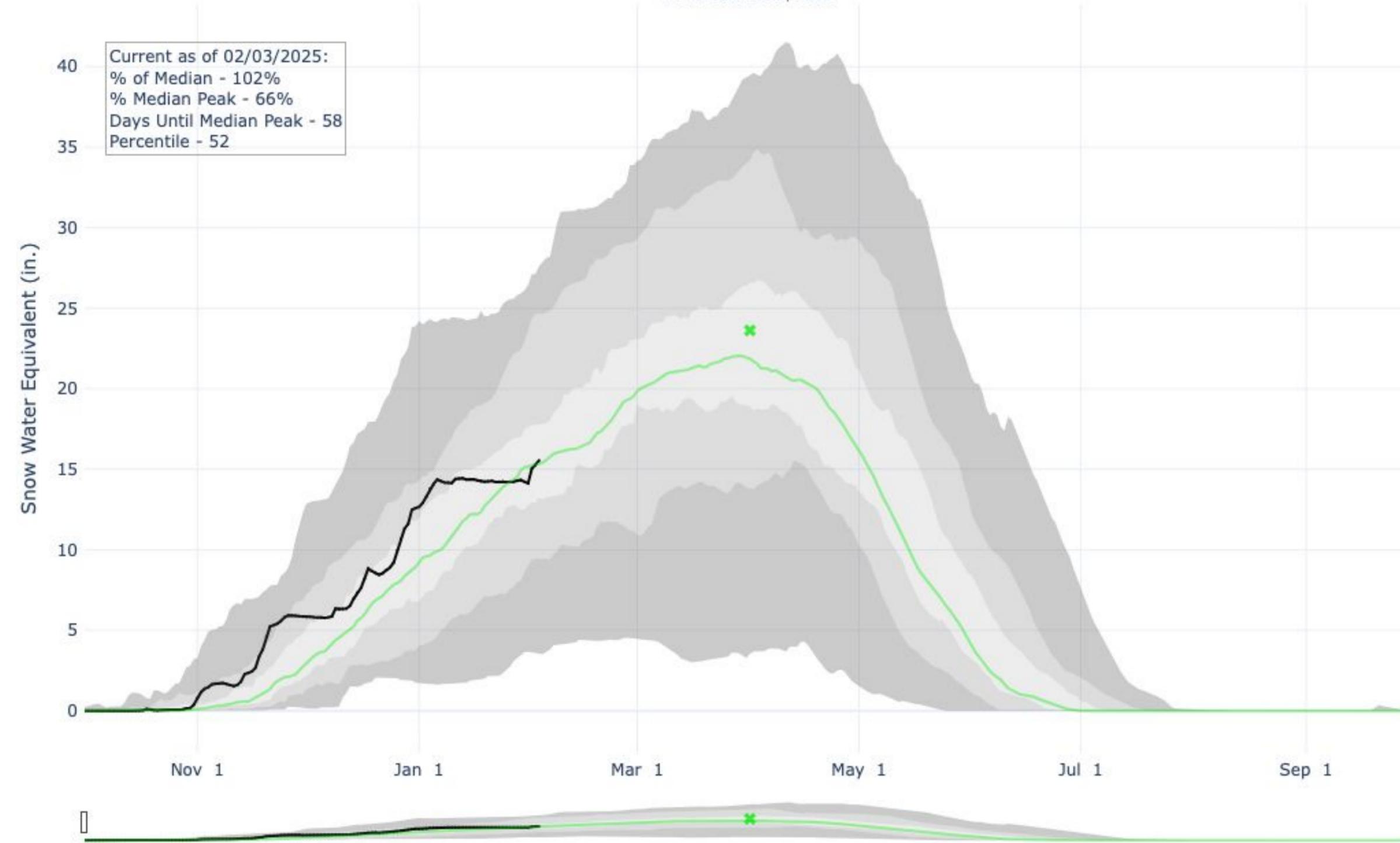
Reset Range

Link to data: CSV / JSON

Current as of 02/03/2025:
% of Median - 102%
% Median Peak - 66%
Days Until Median Peak - 58
Percentile - 52

Station List

- ✖ Median Peak SWE
- Median ('91-'20)
- Stats. Shading
- 2025 (20 sites)



Shading breaks at the 10th, 30th, 50th, 70th, and 90th percentiles for the period of record.

The black line indicates the current water year, while the green line shows the median value, and the green "x" is the median peak SWE magnitude and date.





SNOTEL Snow Water Equivalent (SWE) - Yakima Watershed

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Pendleton, OR
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SNOW WATER EQUIVALENT IN YAKIMA

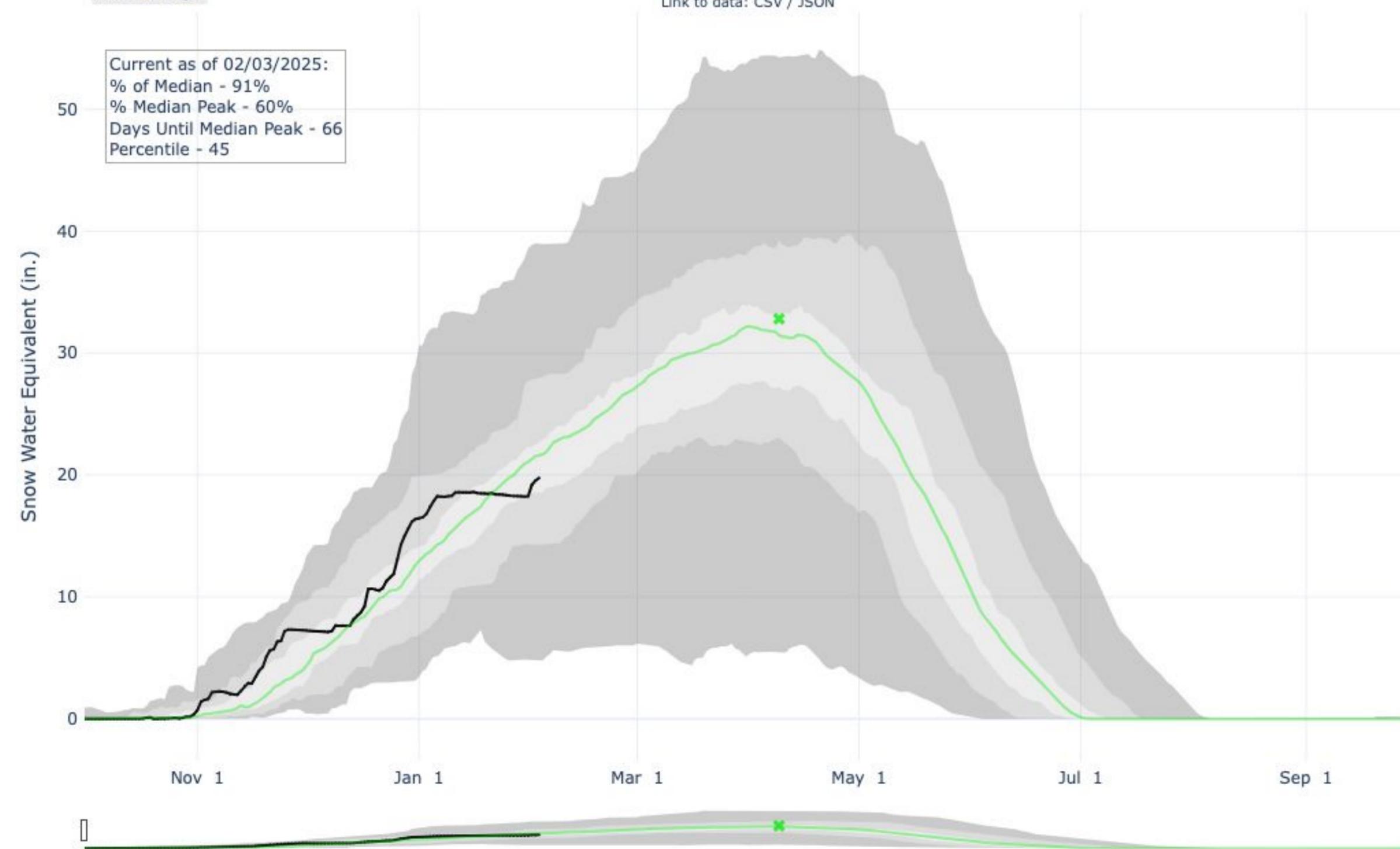
Reset Range

Link to data: CSV / JSON

Current as of 02/03/2025:
% of Median - 91%
% Median Peak - 60%
Days Until Median Peak - 66
Percentile - 45

Station List

- ✱ Median Peak SWE
- Median ('91-'20)
- Stats. Shading
- 2025 (17 sites)



Shading breaks at the 10th, 30th, 50th, 70th, and 90th percentiles for the period of record.

The black line indicates the current water year, while the green line shows the median value, and the green "x" is the median peak SWE magnitude and date.





SNOTEL Snow Water Equivalent (SWE) - Deschutes Watershed

SNOW WATER EQUIVALENT IN DESCHUTES

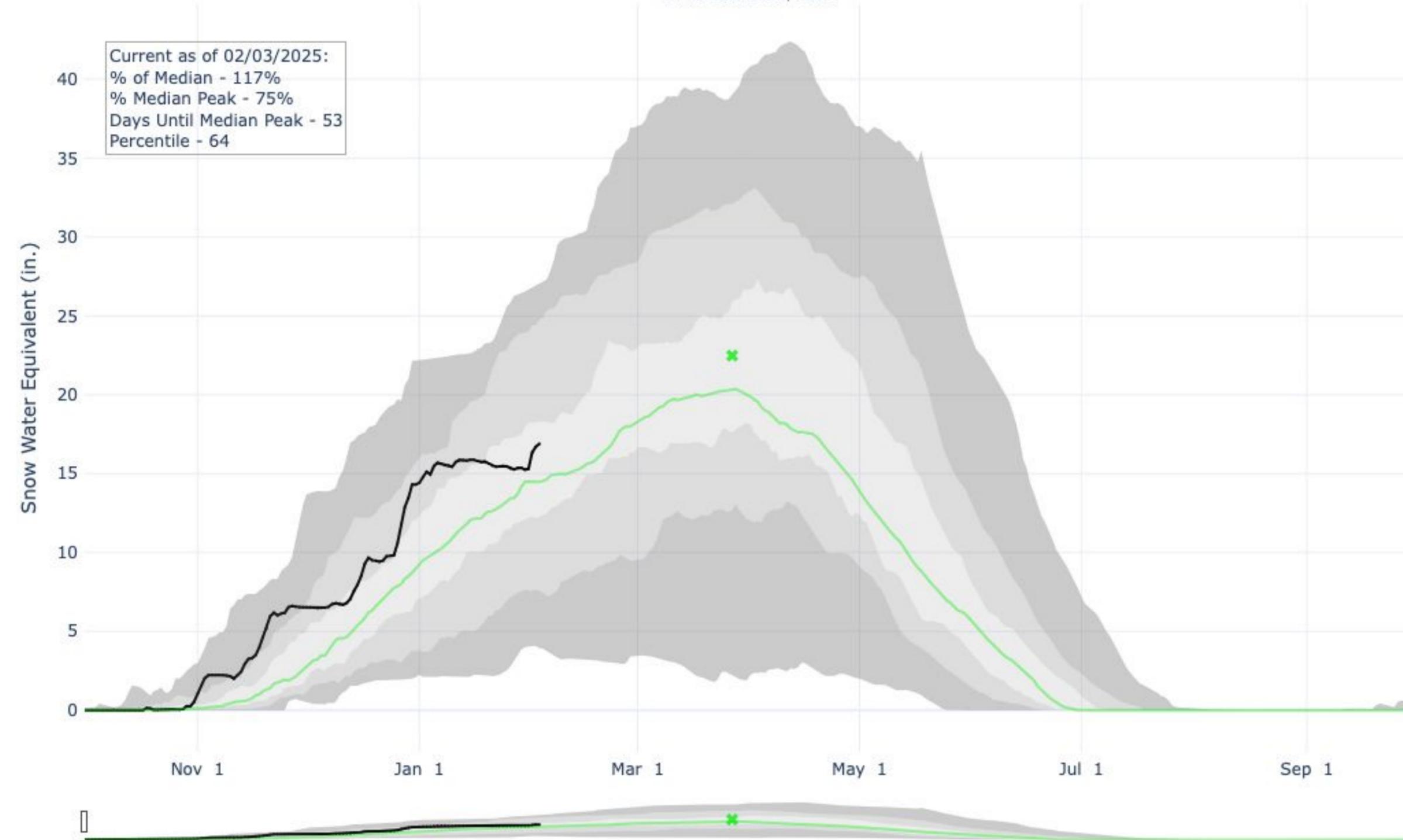
Reset Range

Link to data: CSV / JSON

Current as of 02/03/2025:
% of Median - 117%
% Median Peak - 75%
Days Until Median Peak - 53
Percentile - 64

Station List

- ✖ Median Peak SWE
- Median ('91-'20)
- Stats. Shading
- 2025 (18 sites)



Shading breaks at the 10th, 30th, 50th, 70th, and 90th percentiles for the period of record.

The black line indicates the current water year, while the green line shows the median value, and the green "x" is the median peak SWE magnitude and date.





SNOTEL Snow Water Equivalent (SWE) - John Day Watershed

SNOW WATER EQUIVALENT IN JOHN DAY

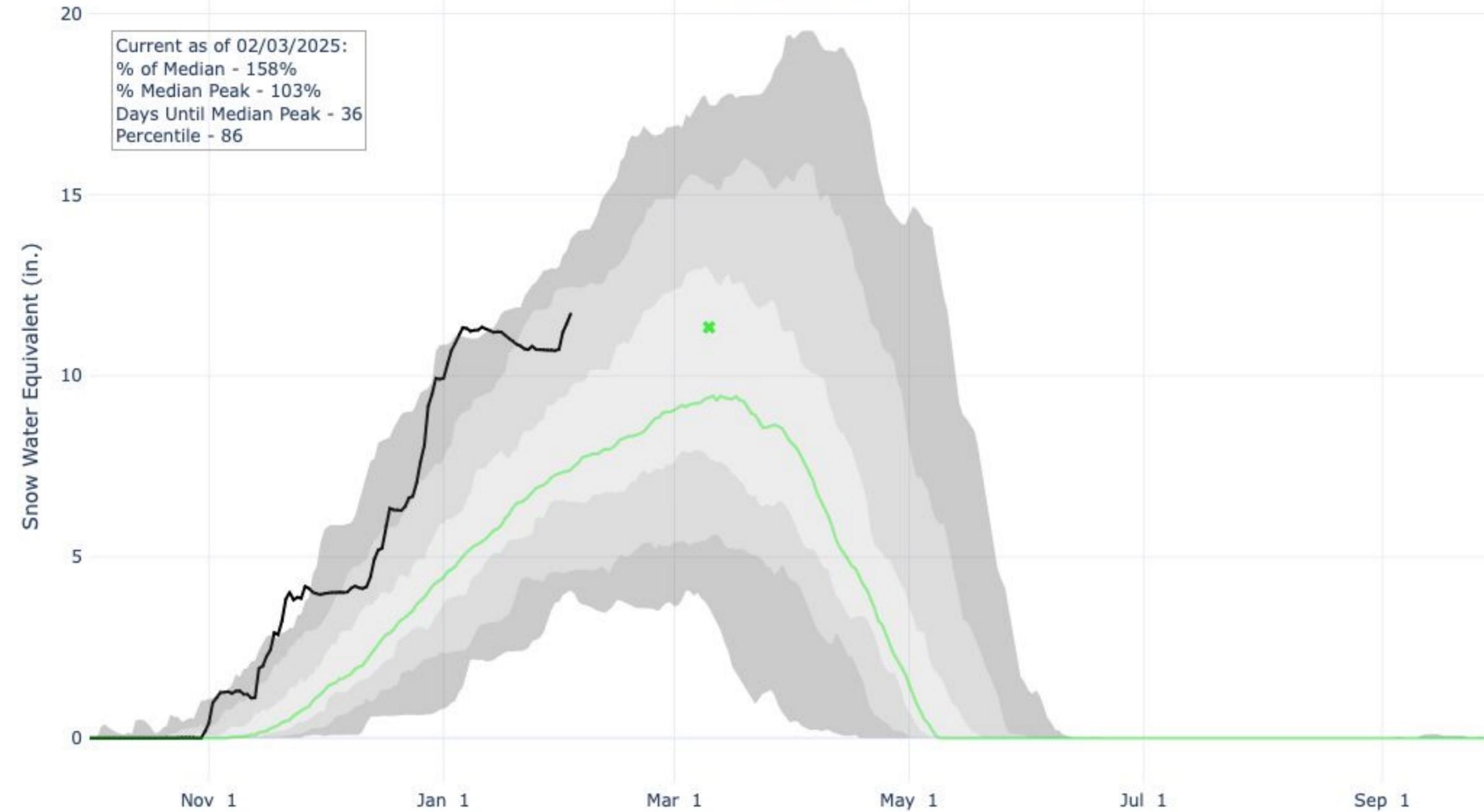
Reset Range

Link to data: CSV / JSON

Current as of 02/03/2025:
% of Median - 158%
% Median Peak - 103%
Days Until Median Peak - 36
Percentile - 86

Station List

- ✖ Median Peak SWE
- Median ('91-'20)
- Stats. Shading
- 2025 (13 sites)



Shading breaks at the 10th, 30th, 50th, 70th, and 90th percentiles for the period of record.

The black line indicates the current water year, while the green line shows the median value, and the green "x" is the median peak SWE magnitude and date.





Summary

Weather Forecast Office
Pendleton, OR
Friday, February 28

- Mean (average) temperatures were predominantly near to below normal for the lower elevations during January while the mountains ranged from near normal to above normal (relative to the 1991-2020 climate reference period).
- Below- to much-below-normal precipitation was observed across the mountains with near- or below-normal precipitation across the lower elevations of our forecast area.



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