



Weather Forecast Office

Pendleton, OR

Thursday, April 17

Month in Review - March 2025

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



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

Prepared by NWS Pendleton meteorologists.



Key Points - March 2025

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- During March, predominantly above-normal temperatures were observed relative to the 1991-2020 reference period.
- Above- to much-above-normal precipitation was recorded across central and north-central Oregon. Mostly near- to above-normal precipitation fell across the rest of the forecast area except for portions of south-central Washington which observed near- to below-normal amounts.



Local Storm Reports (LSRs) - March 2025

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Thursday, April 17

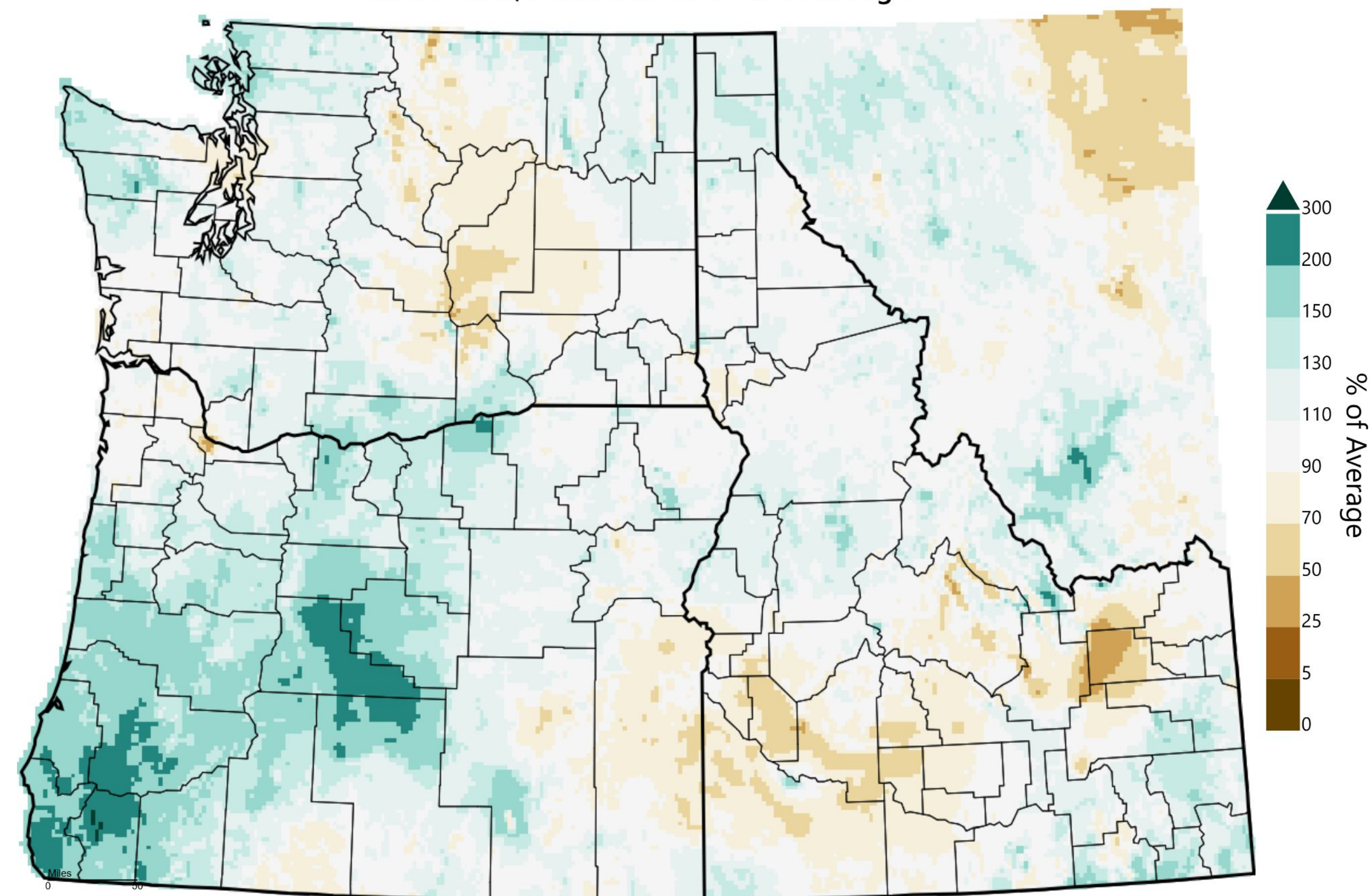
- Iowa State University's website provides a nice graphical interface for viewing archived local storm reports. See the following link for March's local storm reports in NWS Pendleton's forecast area:
<https://mesonet.agron.iastate.edu/lsr/#PDT/202503010800/202504010700/011011>
- For recent LSRs, <https://www.weather.gov/source/crh/lrmap.html?sid=pdt> or <https://mesonet.agron.iastate.edu/lsr/#PDT/YYYYMMDDHHmm/YYYYMMDDHHmm/111111> and change the time to your desired date range.



Precipitation Anomaly - March 2025

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



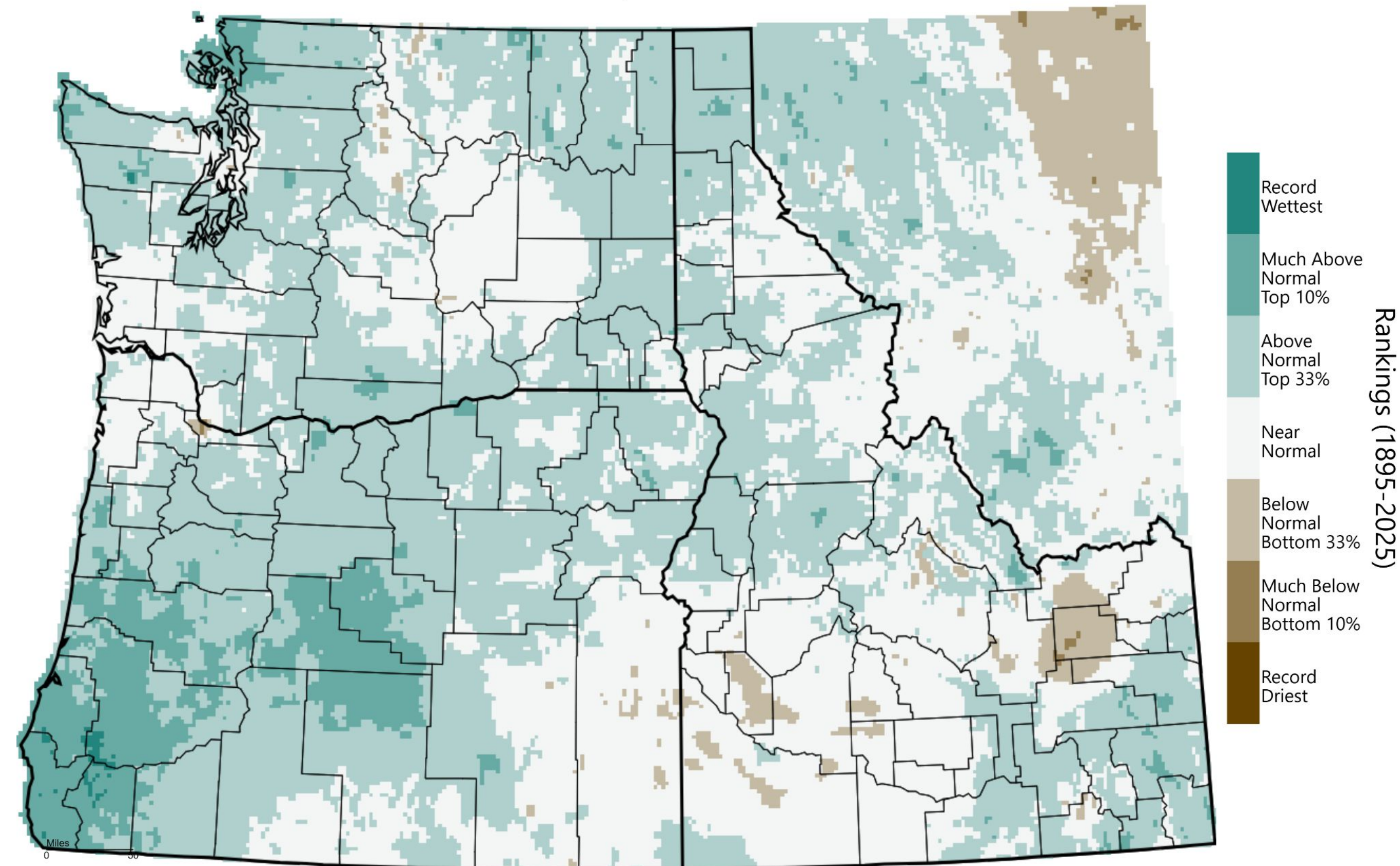
Above- to much-above-normal precipitation was recorded across central and north-central Oregon. Mostly near- to above-normal precipitation fell across the rest of the forecast area except for portions of south-central Washington which observed near- to below-normal amounts.



Precipitation Percentiles - March 2025

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Pacific Northwest - Precipitation March 2025, Percentile

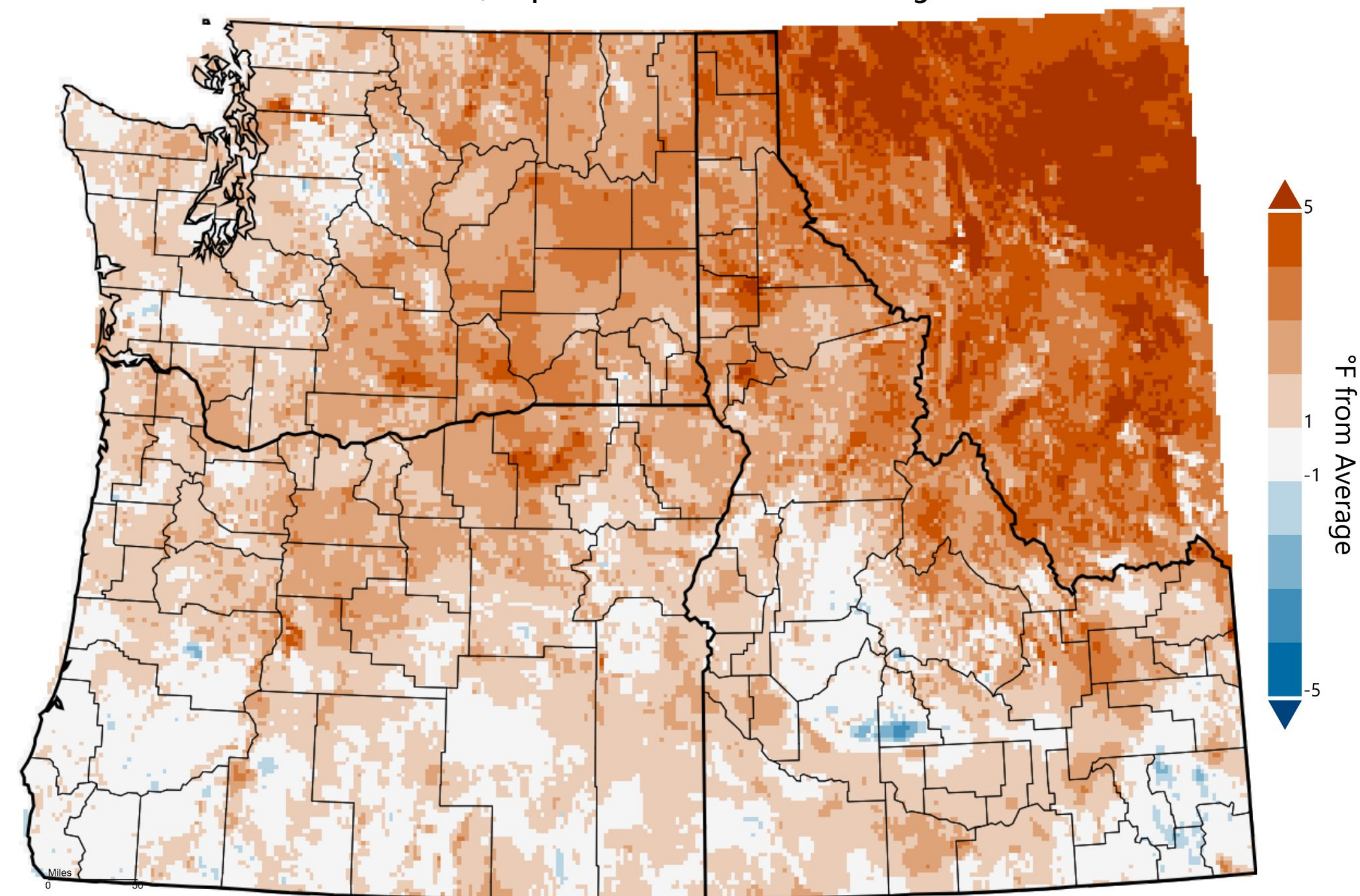


For historical context, mostly above- to much-above-normal precipitation (top 33% and 10% of all years, respectively) was recorded across the forecast area during March, though there were pockets of near-normal precipitation in south-central Washington and northeast Oregon.

Temperature Anomaly - March 2025

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

During March, predominantly above-normal temperatures were observed relative to the 1991-2020 reference period.

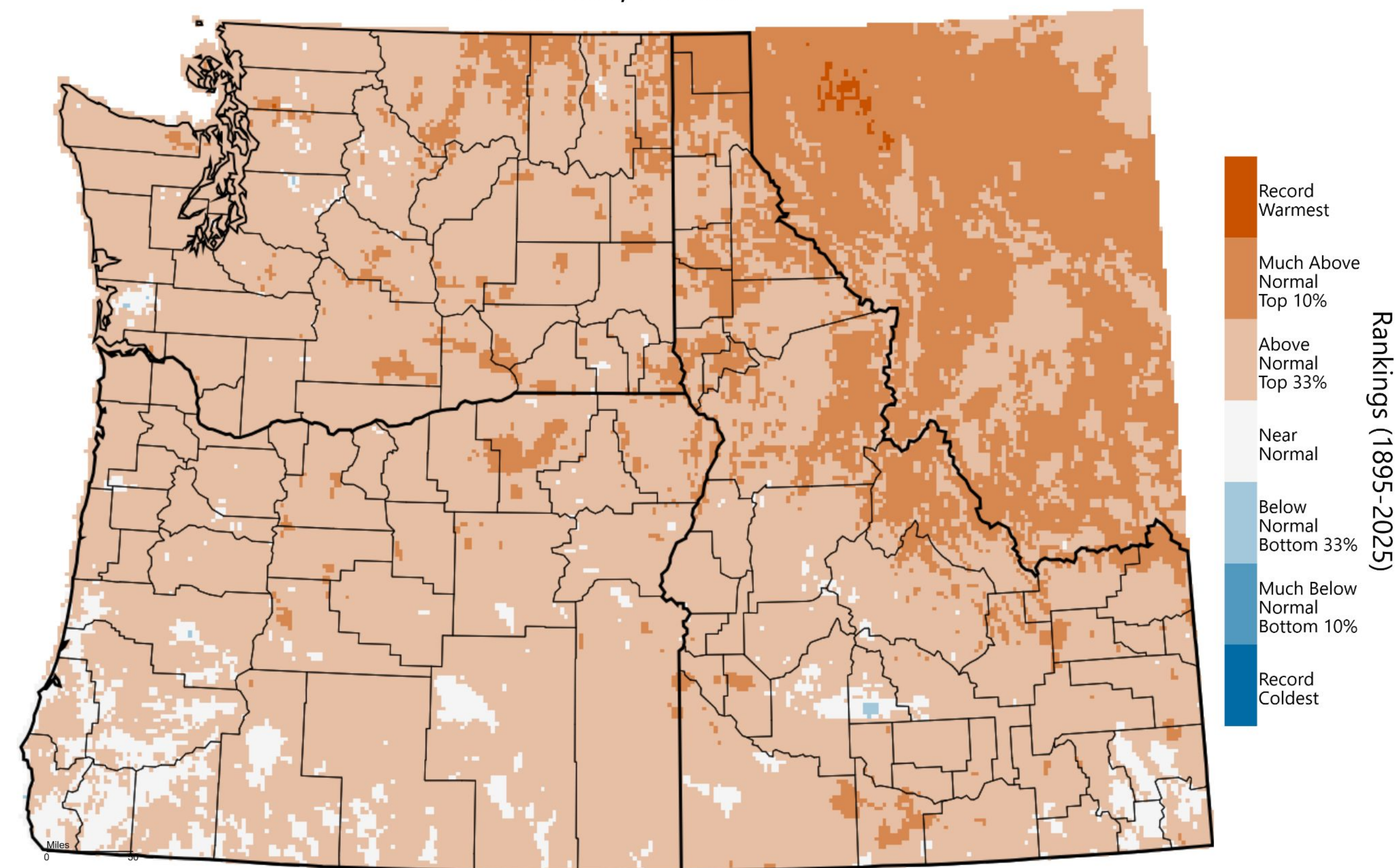




Temperature Percentiles - March 2025

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Pacific Northwest - Mean Temperature
March 2025, Percentile



For historical context, mean (average) temperatures during March were mostly above normal (top 33% of all years) with some pockets of much-above-normal temperatures (top 10% of all years).



March 2025 Statistics - Pendleton ASOS

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Variable (units)	Observed	Normal	Departure
Warmest Daily Maximum Temperature (F)	81	-	-
Average Daily Maximum Temperature (F)	58.1	55.0	3.1
Average Daily Minimum Temperature (F)	38.3	33.7	4.6
Coolest Daily Minimum Temperature (F)	28	-	-
Average Temperature (F)	48.2	44.4	3.8
Total Precipitation (inches)	1.03	1.33	-0.30
Total Snow (inches)	T	0.7	-0.7

Variable (units)	Value	Day
Daily Record High Temperature (F)	81, 80	25th, 26th
Daily Record Low Temperature (F)		
Daily Record Precipitation (inches)		



March 2025 Statistics - Walla Walla ASOS

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Variable (units)	Observed	Normal	Departure
Warmest Daily Maximum Temperature (F)	79R	-	-
Average Daily Maximum Temperature (F)	57.8	55.8	2.0
Average Daily Minimum Temperature (F)	40.2	37.8	2.4
Coolest Daily Minimum Temperature (F)	30	-	-
Average Temperature (F)	49.0	46.8	2.2
Total Precipitation (inches)	1.95	2.11	-0.16

Variable (units)	Value	Day
Daily Record High Temperature (F)	79, 79	25th, 26th
Daily Record Low Temperature (F)		
Daily Record Precipitation (inches)		



March 2025 Statistics - The Dalles ASOS

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Variable (units)	Observed	Normal	Departure
Warmest Daily Maximum Temperature (F)	80R	-	-
Average Daily Maximum Temperature (F)	58.7	56.7	2.0
Average Daily Minimum Temperature (F)	39.3	36.2	3.1
Coolest Daily Minimum Temperature (F)	29	-	-
Average Temperature (F)	49.0	46.4	2.6
Total Precipitation (inches)	1.50	1.18	0.32

Variable (units)	Value	Day
Daily Record High Temperature (F)	80	26th
Daily Record Low Temperature (F)		
Daily Record Precipitation (inches)	0.37	15th



March 2025 Statistics - Ellensburg ASOS

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Variable (units)	Observed	Normal	Departure
Warmest Daily Maximum Temperature (F)	75	-	-
Average Daily Maximum Temperature (F)	55.4	53.3	2.1
Average Daily Minimum Temperature (F)	33.8	30.9	2.9
Coolest Daily Minimum Temperature (F)	25	-	-
Average Temperature (F)	44.6	42.1	2.5
Total Precipitation (inches)	1.41	0.81	0.60

Variable (units)	Value	Day
Daily Record High Temperature (F)	66, 74, 75	24th, 25th, 26th
Daily Record Low Temperature (F)		
Daily Record Precipitation (inches)	0.48, 0.36	12th, 27th

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



March 2025 Statistics - Hermiston ASOS

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Variable (units)	Observed	Normal	Departure
Warmest Daily Maximum Temperature (F)	79	-	-
Average Daily Maximum Temperature (F)	60.4	59.1	1.3
Average Daily Minimum Temperature (F)	37.7	33.7	4.0
Coolest Daily Minimum Temperature (F)	25	-	-
Average Temperature (F)	49.1	46.4	2.7
Total Precipitation (inches)	1.34	0.77	0.57

Variable (units)	Value	Day
Daily Record High Temperature (F)	79, 79	25th, 26th
Daily Record Low Temperature (F)		
Daily Record Precipitation (inches)		



March 2025 Statistics - Meacham ASOS

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Variable (units)	Observed	Normal	Departure
Warmest Daily Maximum Temperature (F)	72	-	-
Average Daily Maximum Temperature (F)	46.3	45.7	0.6
Average Daily Minimum Temperature (F)	27.1	24.4	2.7
Coolest Daily Minimum Temperature (F)	13	-	-
Average Temperature (F)	36.7	35.0	1.7
Total Precipitation (inches)	4.40	4.09	0.31



March 2025 Statistics - Pasco ASOS

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Variable (units)	Observed	Normal	Departure
Warmest Daily Maximum Temperature (F)	79	-	-
Average Daily Maximum Temperature (F)	60.5	58.6	1.9
Average Daily Minimum Temperature (F)	37.5	33.1	4.4
Coolest Daily Minimum Temperature (F)	24	-	-
Average Temperature (F)	49.0	45.8	3.2
Total Precipitation (inches)	1.22	0.69	0.53

Variable (units)	Value	Day
Daily Record High Temperature (F)	79	26th
Daily Record Low Temperature (F)		
Daily Record Precipitation (inches)		



March 2025 Statistics - Redmond ASOS

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Variable (units)	Observed	Normal	Departure
Warmest Daily Maximum Temperature (F)	81R	-	-
Average Daily Maximum Temperature (F)	55.7	54.9	0.8
Average Daily Minimum Temperature (F)	30.5	27.7	2.8
Coolest Daily Minimum Temperature (F)	23	-	-
Average Temperature (F)	43.1	41.3	1.8
Total Precipitation (inches)	1.34	0.58	0.76

Variable (units)	Value	Day
Daily Record High Temperature (F)	69, 81, 79	1st, 25th, 26th
Daily Record Low Temperature (F)		
Daily Record Precipitation (inches)	0.69	16th



March 2025 Statistics - Yakima ASOS

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Variable (units)	Observed	Normal	Departure
Warmest Daily Maximum Temperature (F)	76	-	-
Average Daily Maximum Temperature (F)	58.5	56.6	1.9
Average Daily Minimum Temperature (F)	32.9	30.2	2.7
Coolest Daily Minimum Temperature (F)	24	-	-
Average Temperature (F)	45.7	43.4	2.3
Total Precipitation (inches)	1.00	0.64	0.36

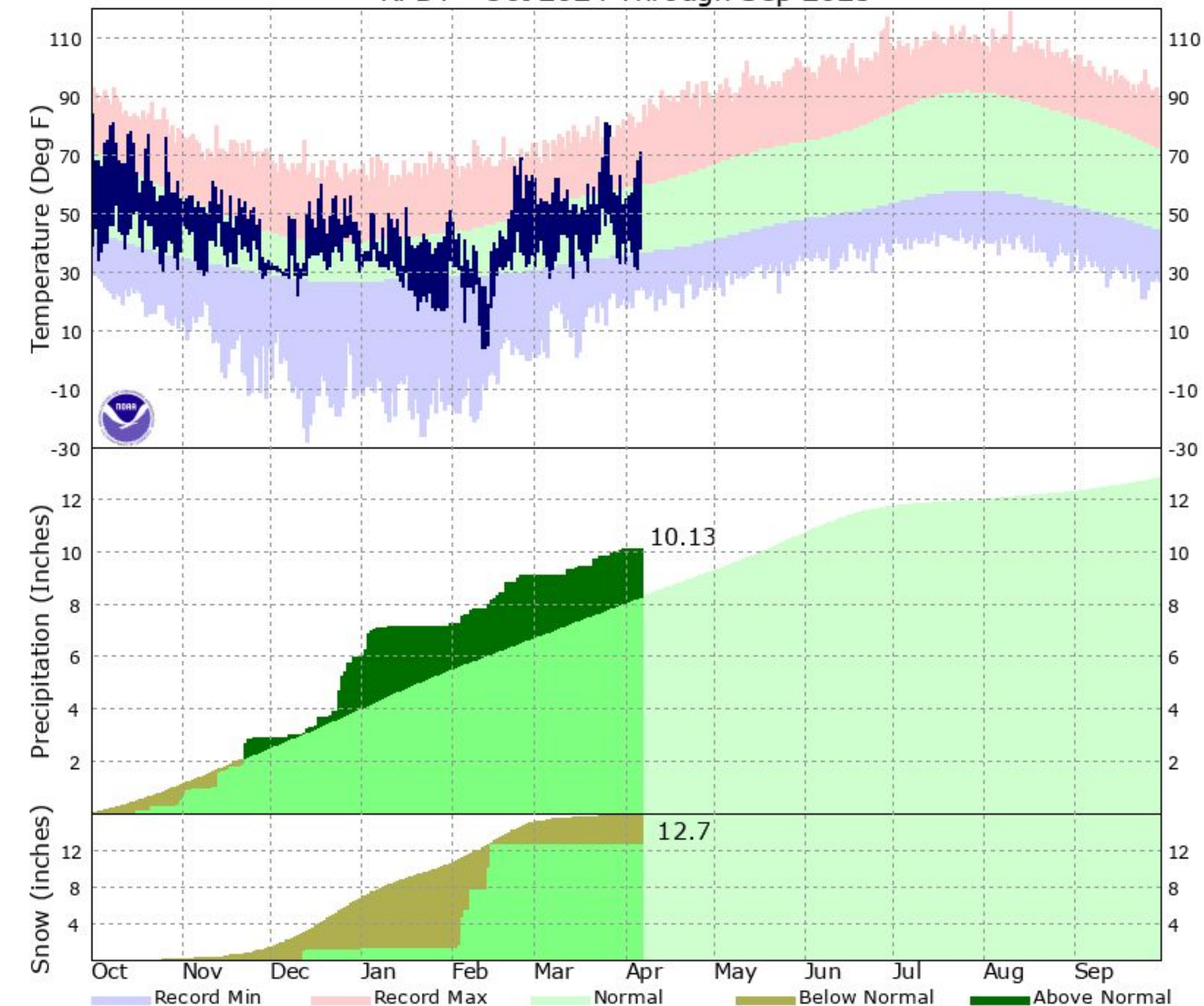
Variable (units)	Value	Day
Daily Record High Temperature (F)	76	26th
Daily Record Low Temperature (F)		
Daily Record Precipitation (inches)	0.52	12th



Water Year Graphs - Pendleton ASOS

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KPDT - Oct 2024 Through Sep 2025



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

The latest graphs are located here:

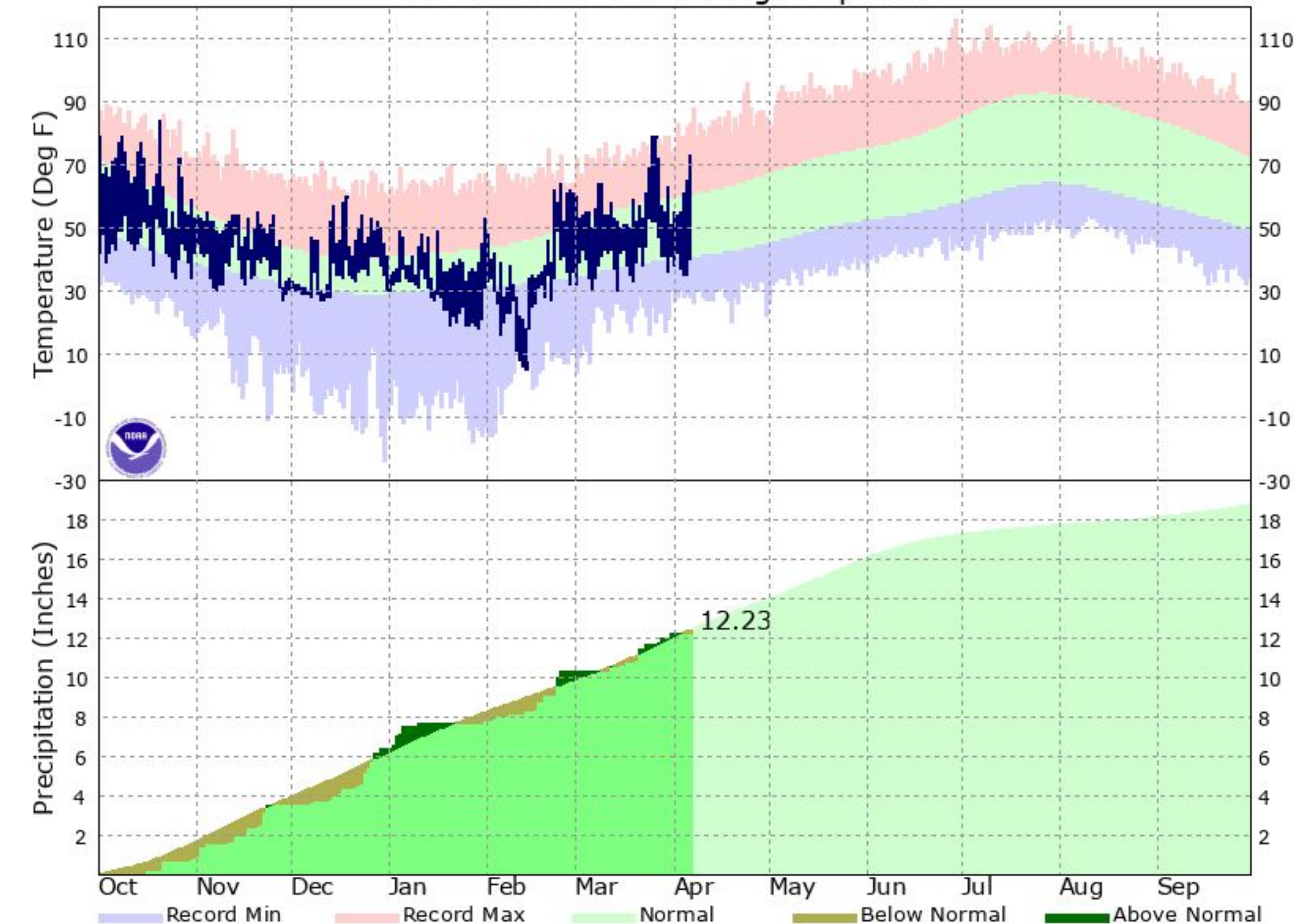
<https://www.weather.gov/pdt/CliPlot>



Water Year Graphs - Walla Walla ASOS

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KALW - Oct 2024 Through Sep 2025



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

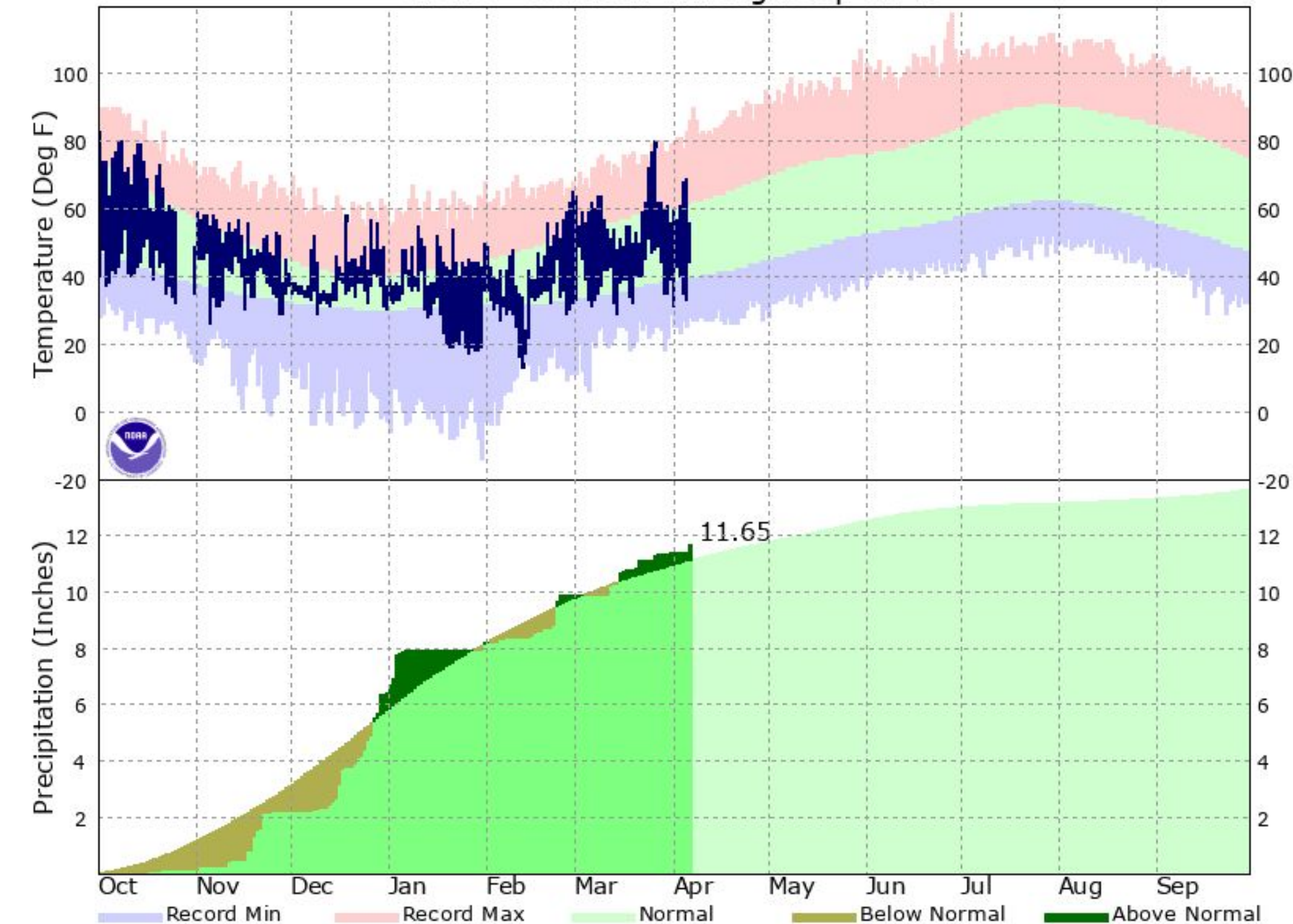
The latest graphs are located here:
<https://www.weather.gov/pdt/CliPlot>



Water Year Graphs - The Dalles ASOS

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KDLS - Oct 2024 Through Sep 2025



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

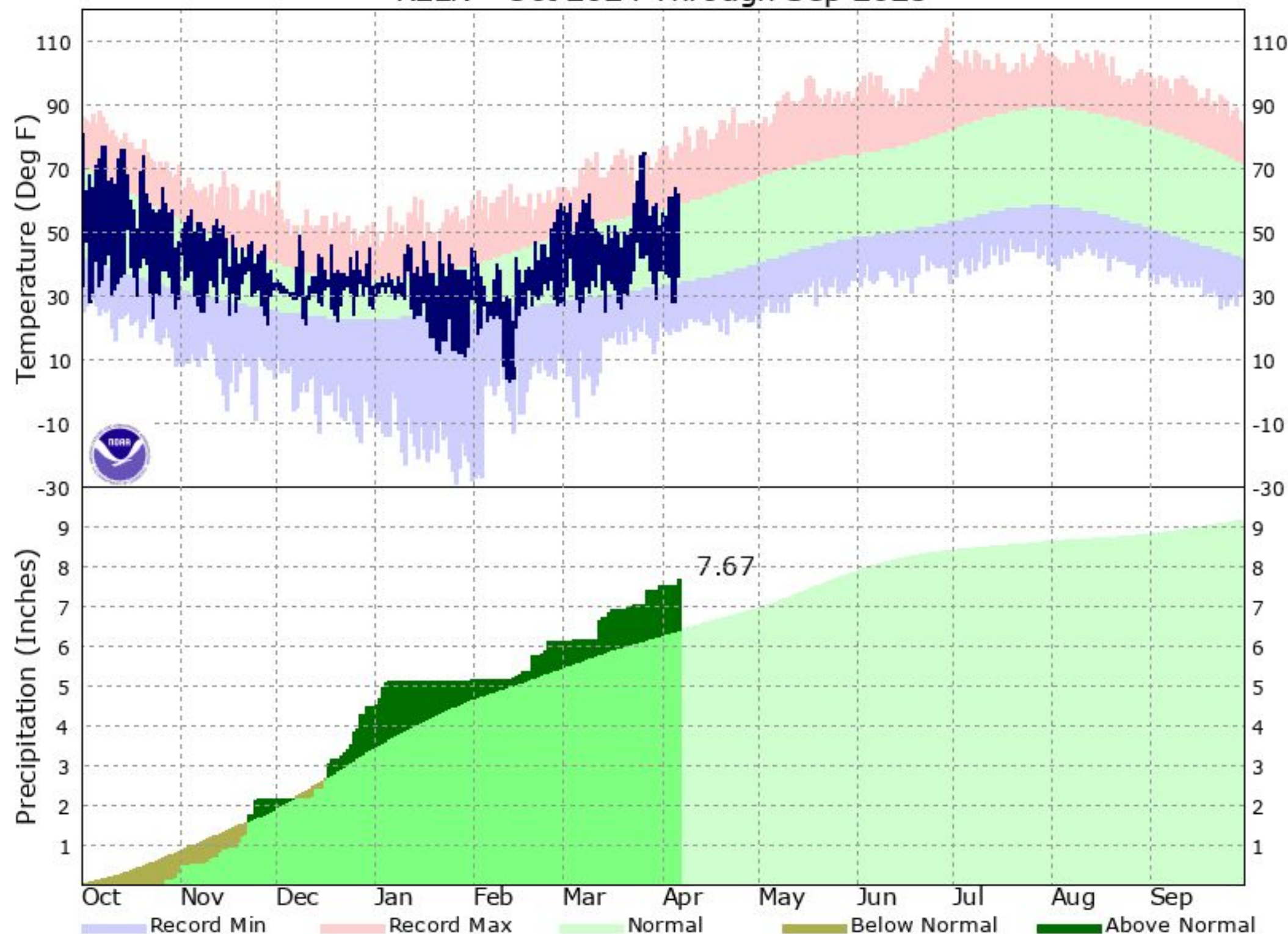
The latest graphs are located here:
<https://www.weather.gov/pdt/CliPlot>



Water Year Graphs - Ellensburg ASOS

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KELN - Oct 2024 Through Sep 2025



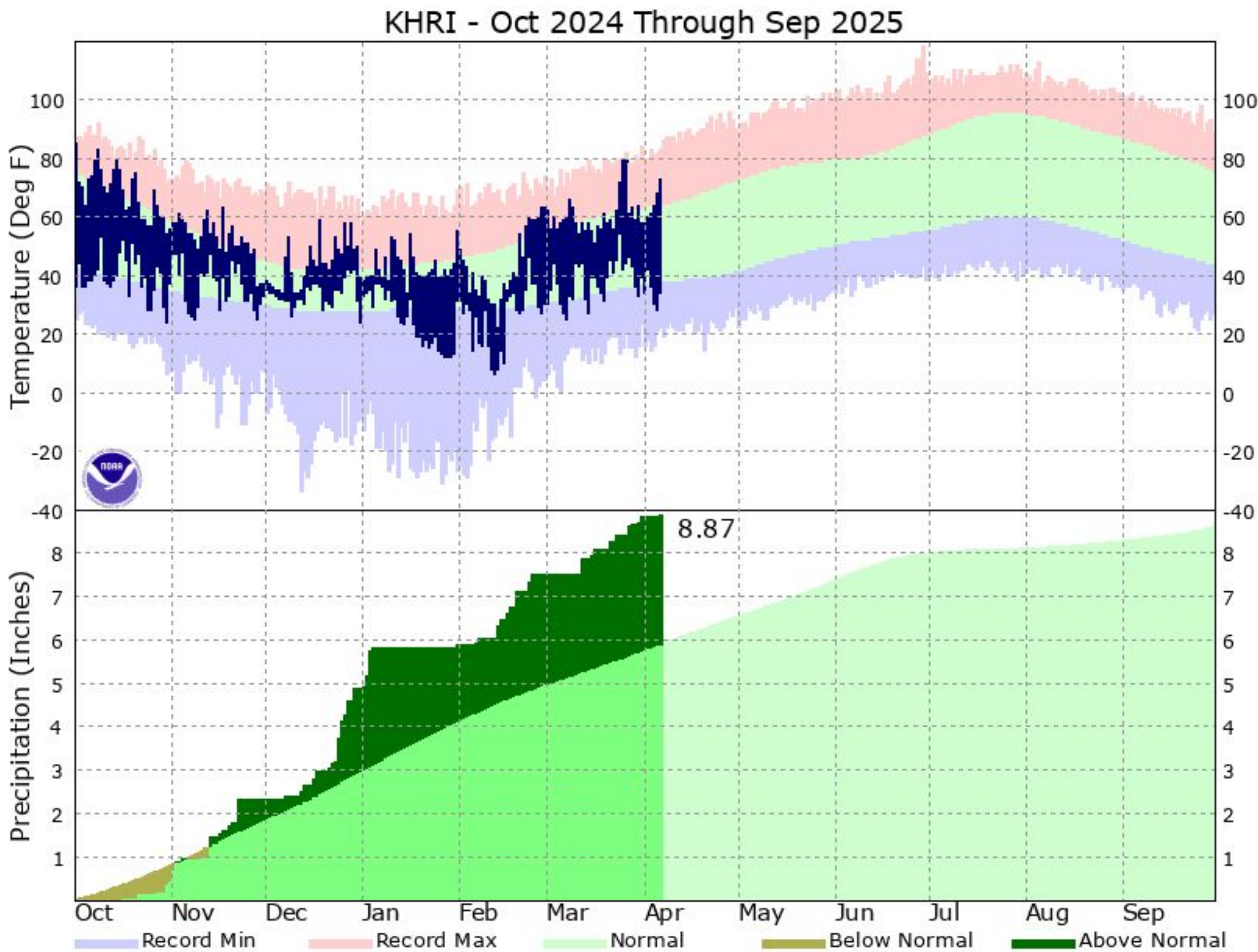
During the October 2024 - September 2025 water year, Ellensburg has observed above-normal precipitation.

The latest graphs are located here:

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



Water Year Graphs - Hermiston ASOS



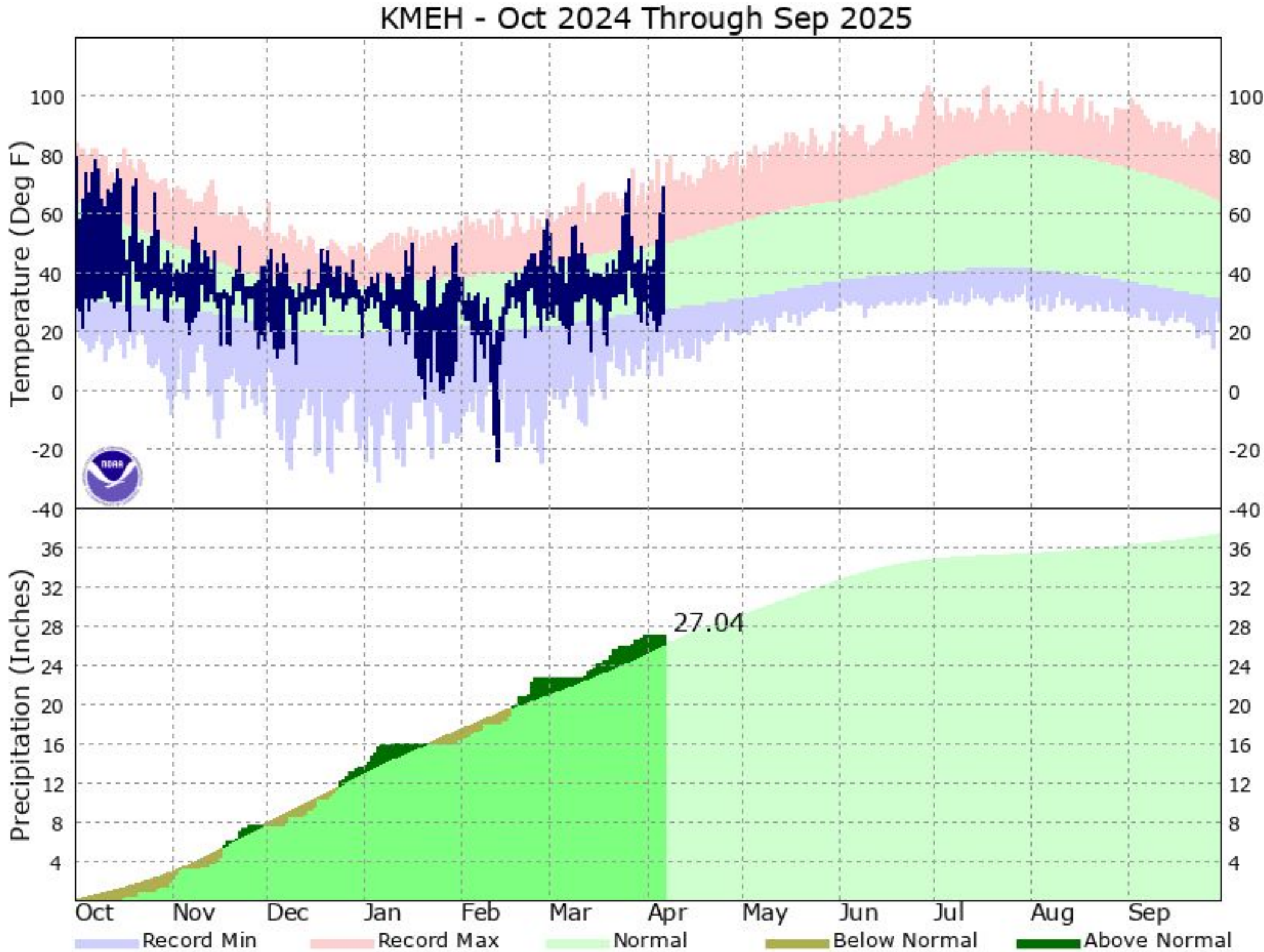
During the October 2024 - September 2025 water year, Hermiston has recorded above-normal precipitation.

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



Water Year Graphs - Meacham ASOS

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

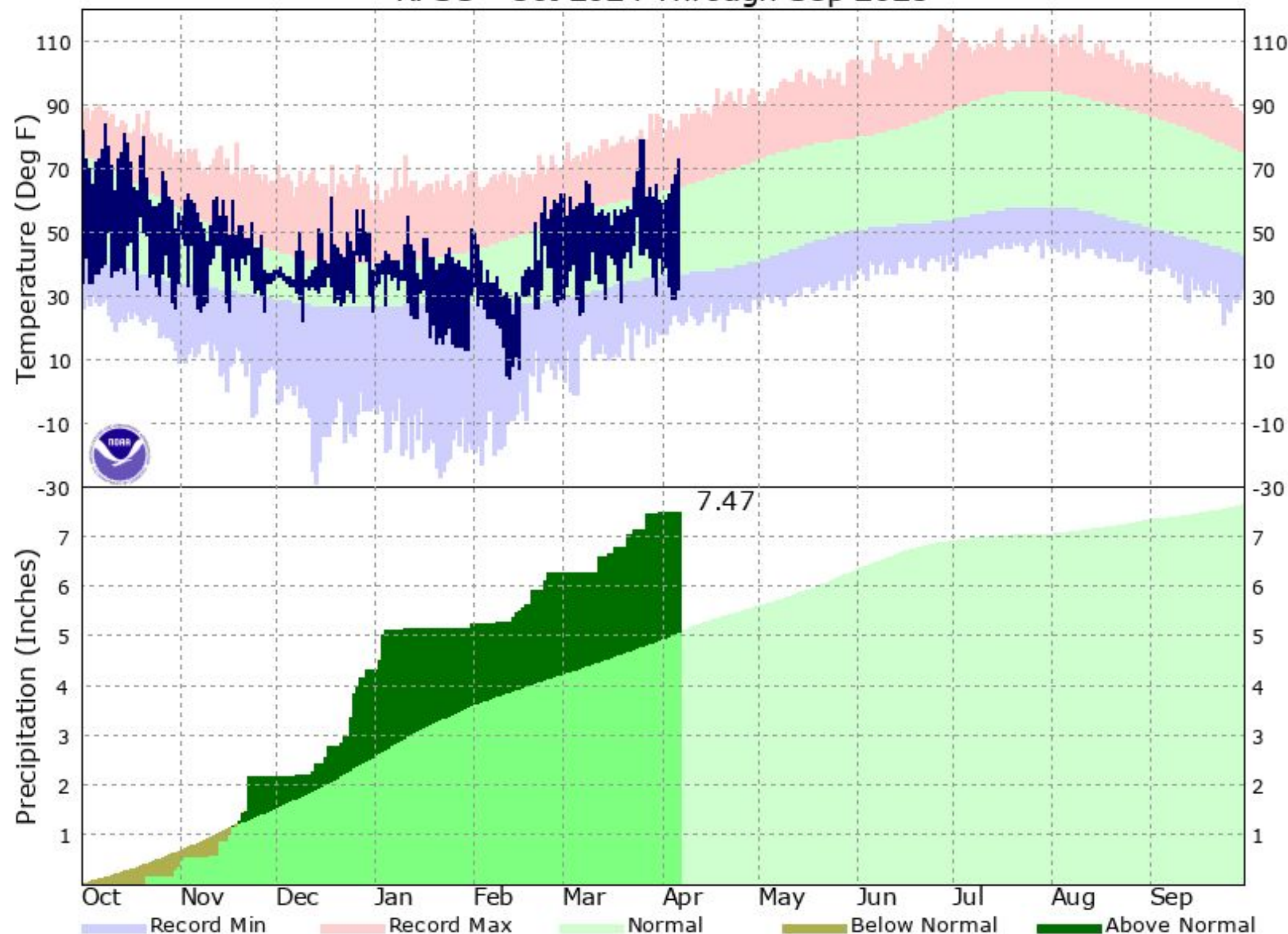
The latest graphs are located here:
<https://www.weather.gov/pdt/CliPlot>



Water Year Graphs - Pasco ASOS

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KPSC - Oct 2024 Through Sep 2025



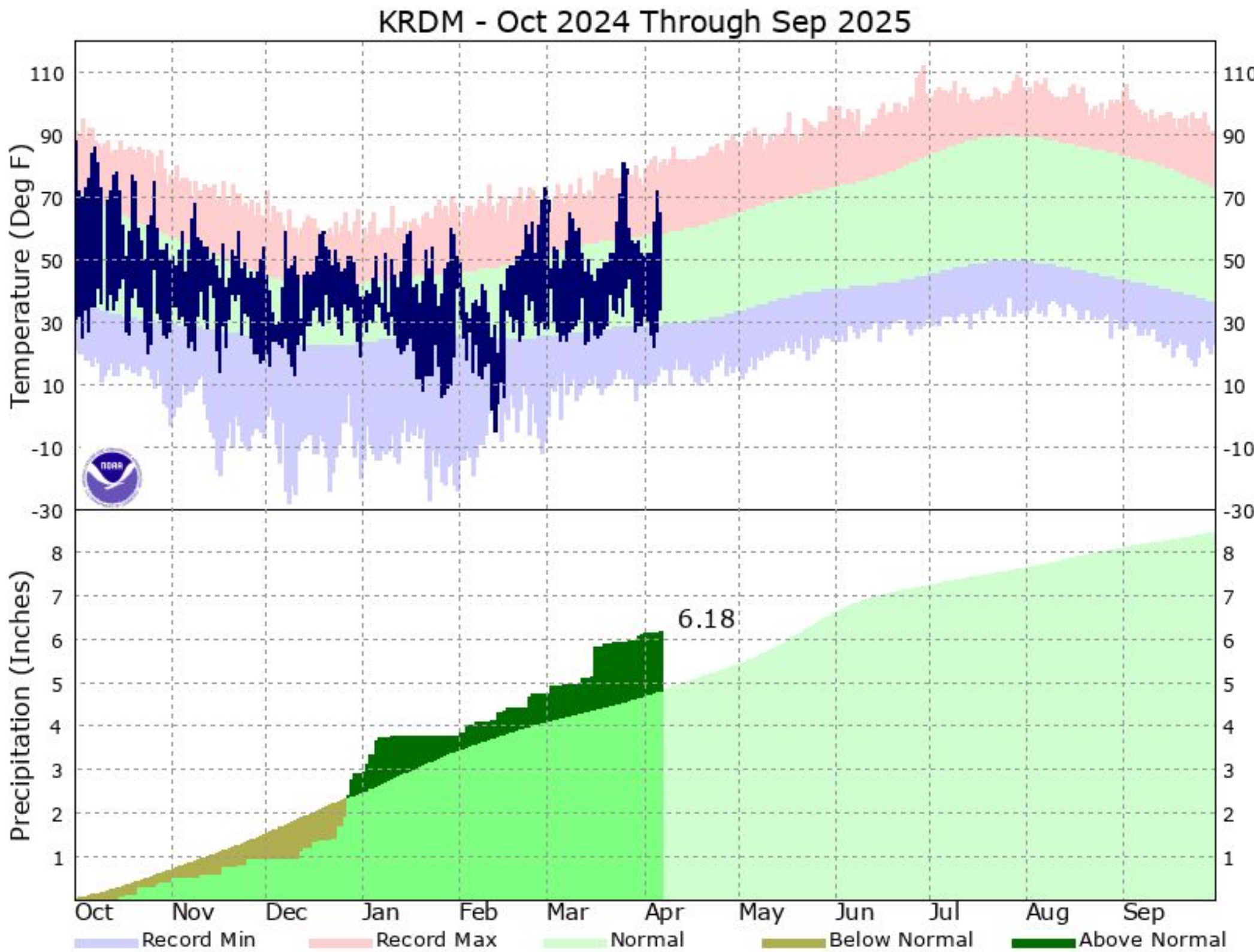
During the October 2024 - September 2025 water year, Pasco has observed above-normal precipitation.

The latest graphs are located here:

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



Water Year Graphs - Redmond ASOS



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

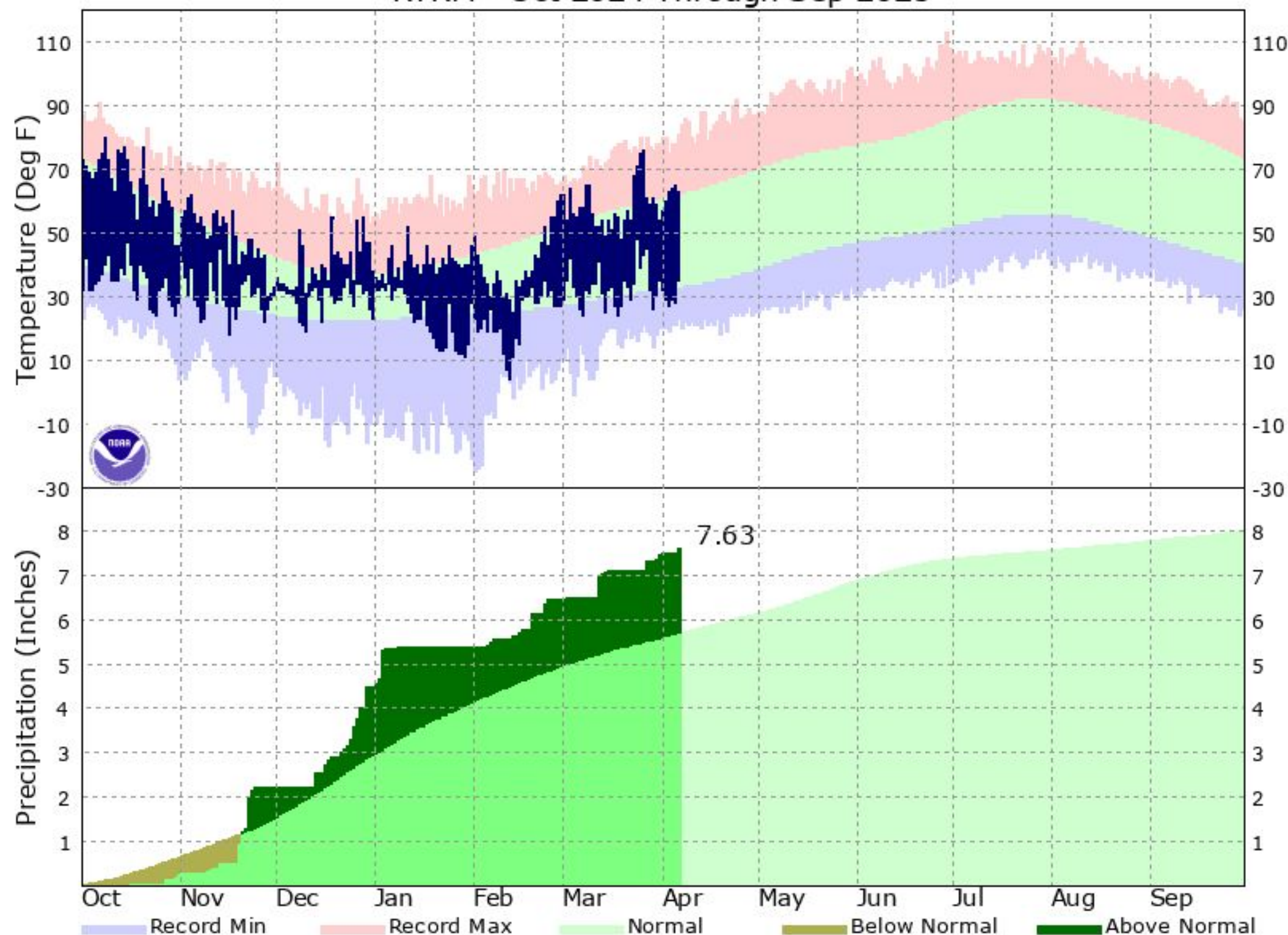
The latest graphs are located here:
<https://www.weather.gov/pdt/CliPlot>



Water Year Graphs - Yakima ASOS

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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:

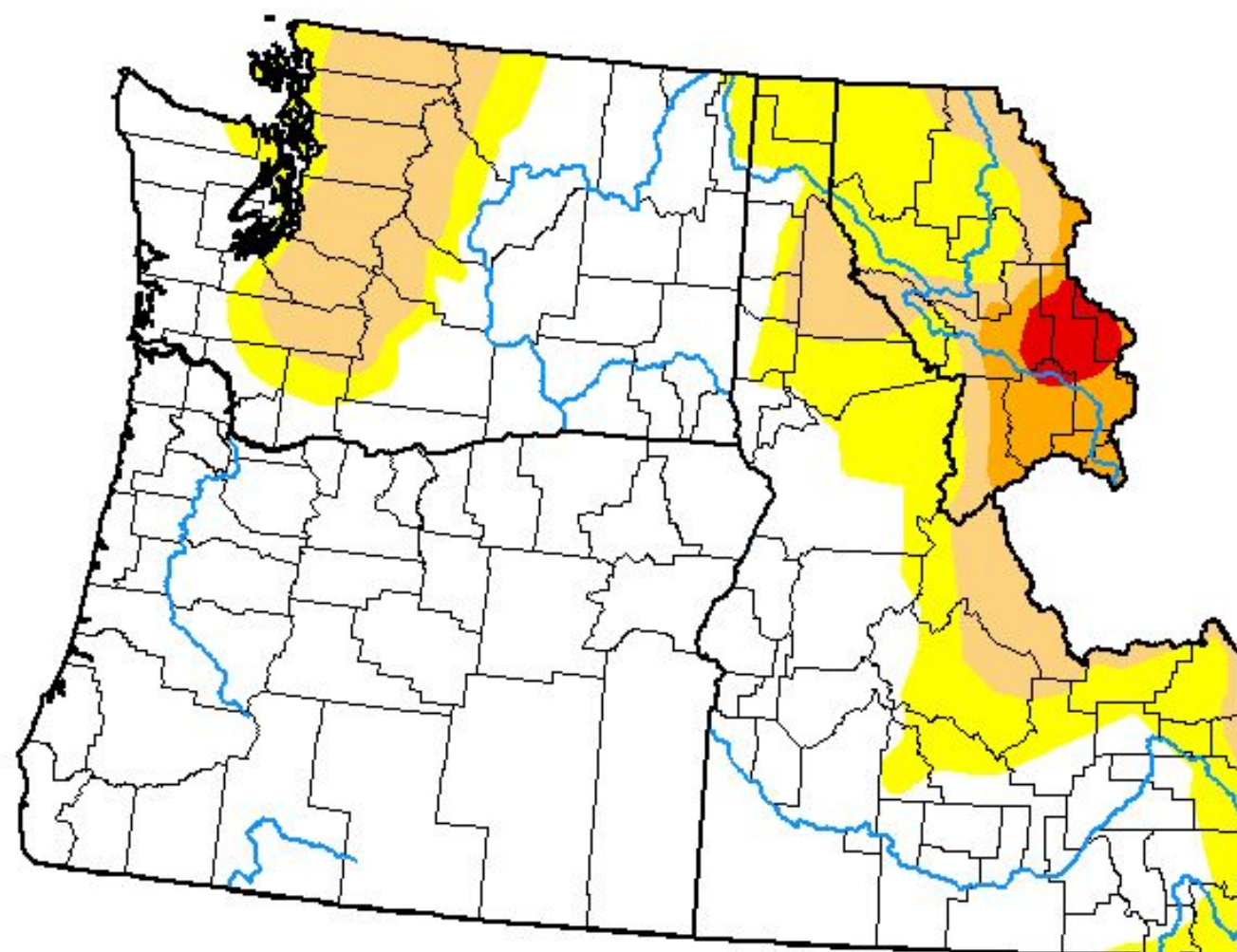
<https://www.weather.gov/pdt/CliPlot>



Drought Status: Early April

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U.S. Drought Monitor Pacific Northwest DEWS



April 1, 2025

(Released Thursday, Apr. 3, 2025)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	69.99	30.01	14.22	3.09	0.87	0.00
Last Week 03-25-2025	69.99	30.01	14.22	2.91	0.87	0.00
3 Months Ago 12-31-2024	47.24	52.76	21.00	4.29	1.75	0.00
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 04-02-2024	55.07	44.93	20.94	7.85	0.54	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:

David Simeral
Western Regional Climate Center



droughtmonitor.unl.edu

D4 (Exceptional Drought): None.

D3 (Extreme Drought): None.

D2 (Severe Drought): None.

D1 (Moderate Drought): Western Kittitas and Yakima counties.

D0 (Abnormally Dry): Western Kittitas and Yakima counties, and a sliver of Klickitat County.

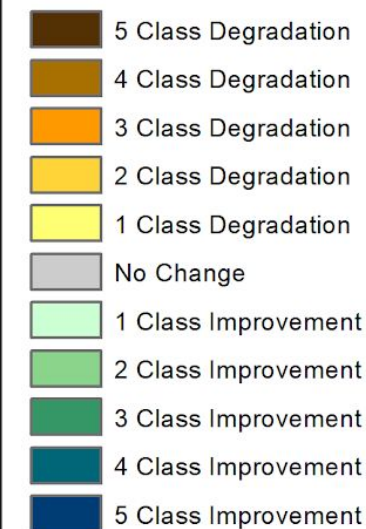
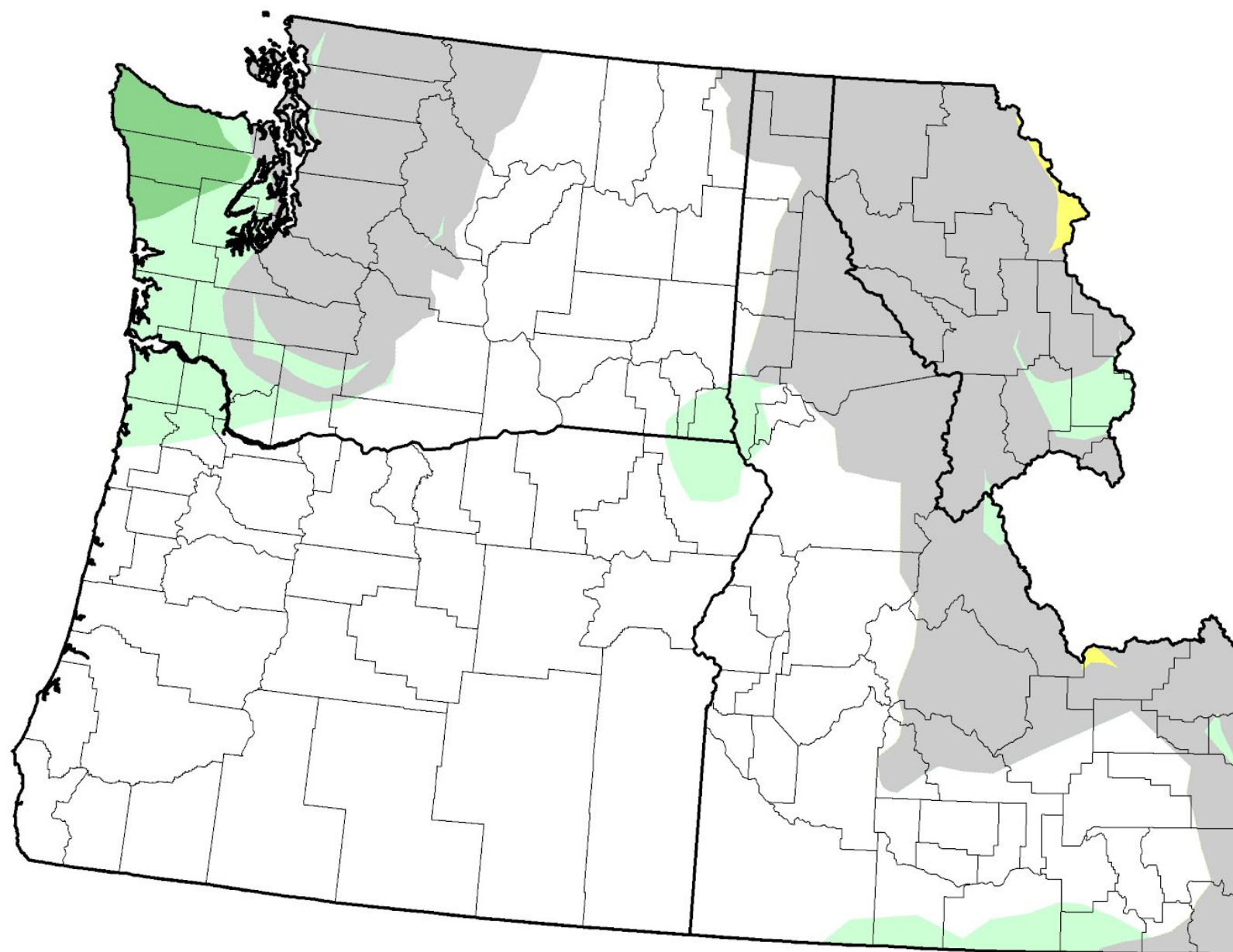
For the latest conditions, please
see droughtmonitor.unl.edu



Drought Evolution: 4-Week Change during February

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



April 1, 2025
compared to
March 4, 2025

droughtmonitor.unl.edu

Improved: Portions of Wallowa, Columbia, Yakima, and Klickitat counties.

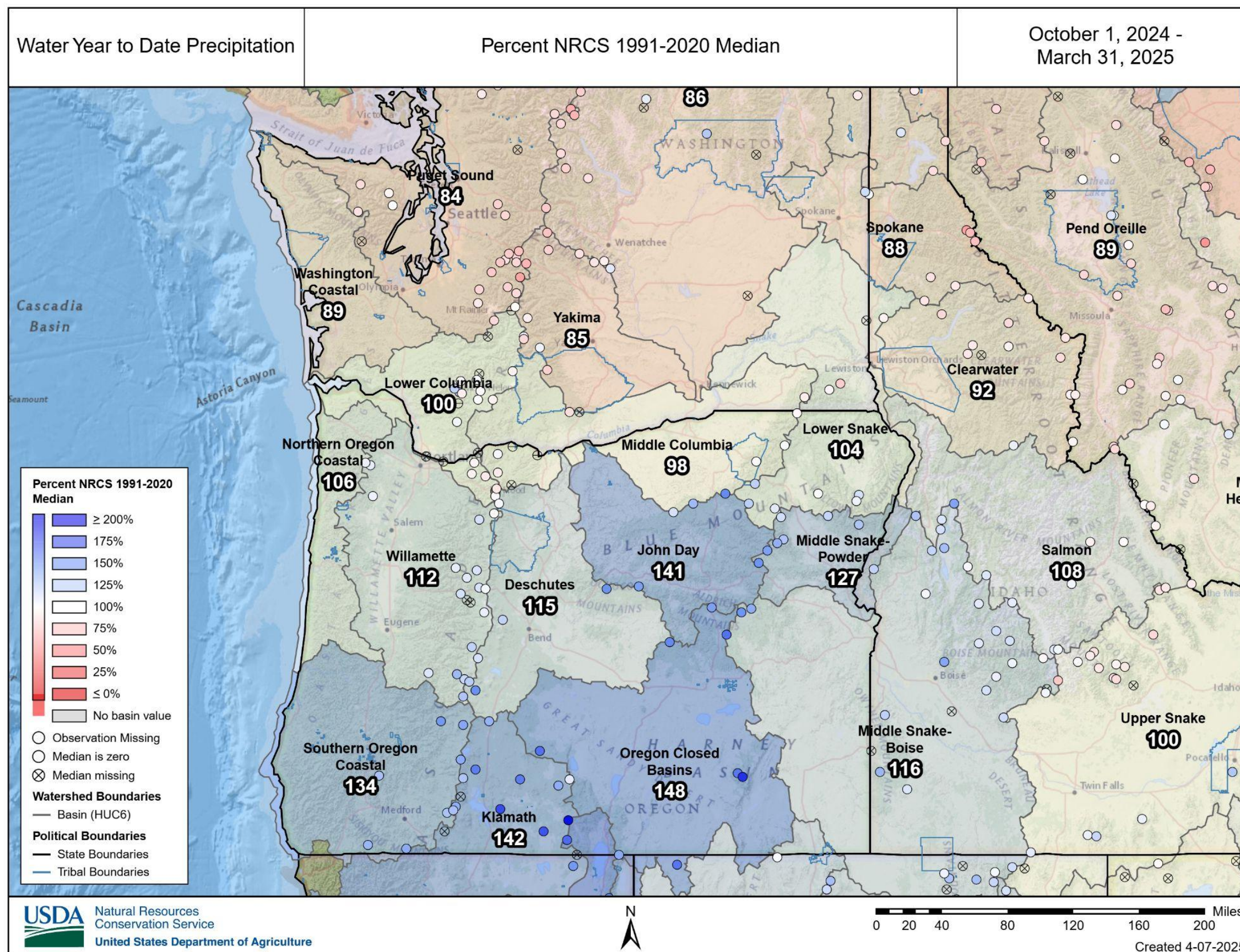
Degraded: None.

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



SNOTEL Precipitation - Basin/Watershed Map

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Basin-wide SNOTEL precipitation for the water year to date (October 1, 2024 - March 31, 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 March 31st, precipitation was mostly near or above the reference period median for areas south of approximately 46N latitude. Conversely, precipitation was mostly near or below the median north of roughly 46N latitude.

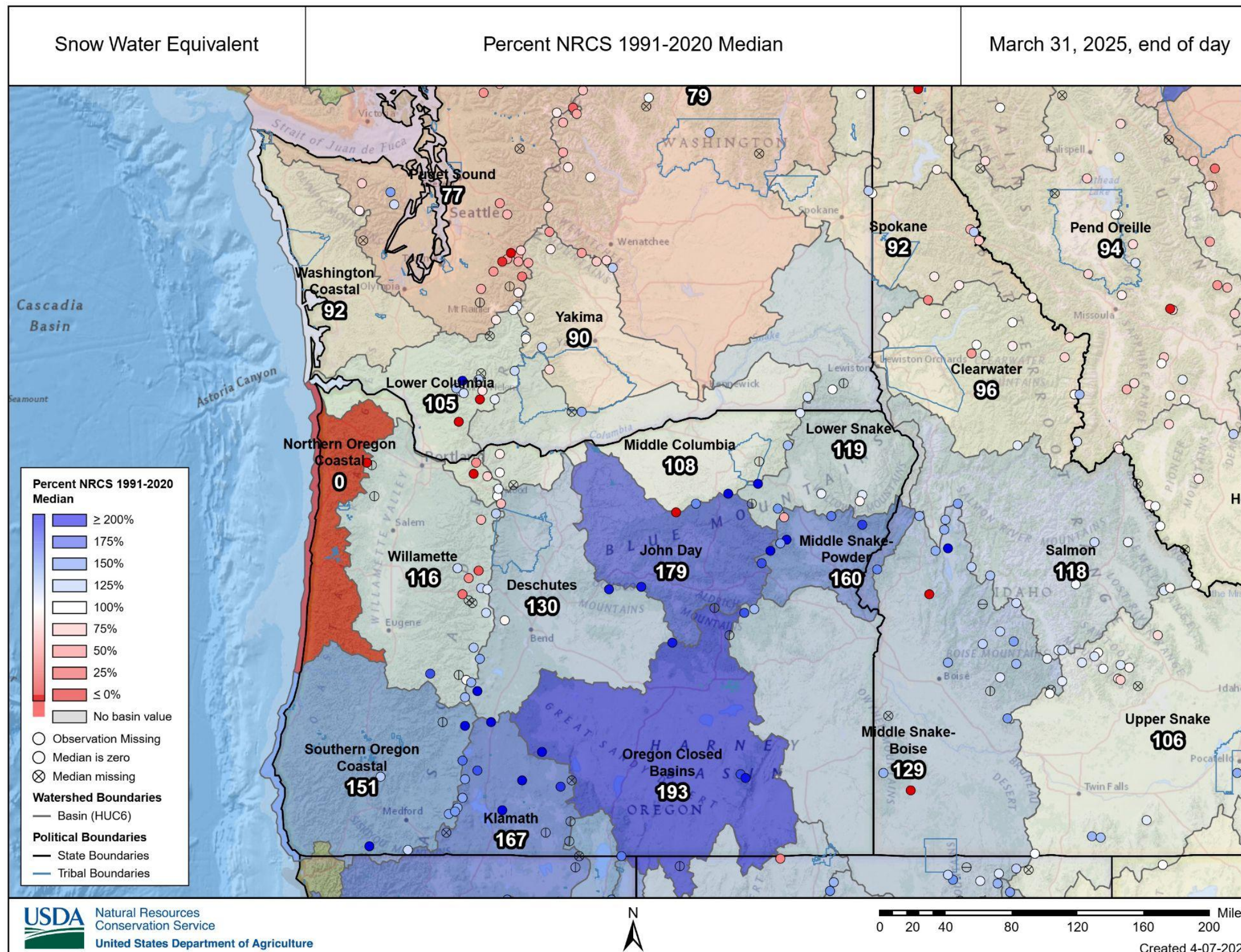
View the latest conditions here:

<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

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Basin-wide snow water equivalent (SWE) percent of 1991-2020 median is shown on the left (valid March 31, 2025, end of day). 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

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SNOW WATER EQUIVALENT IN LOWER SNAKE

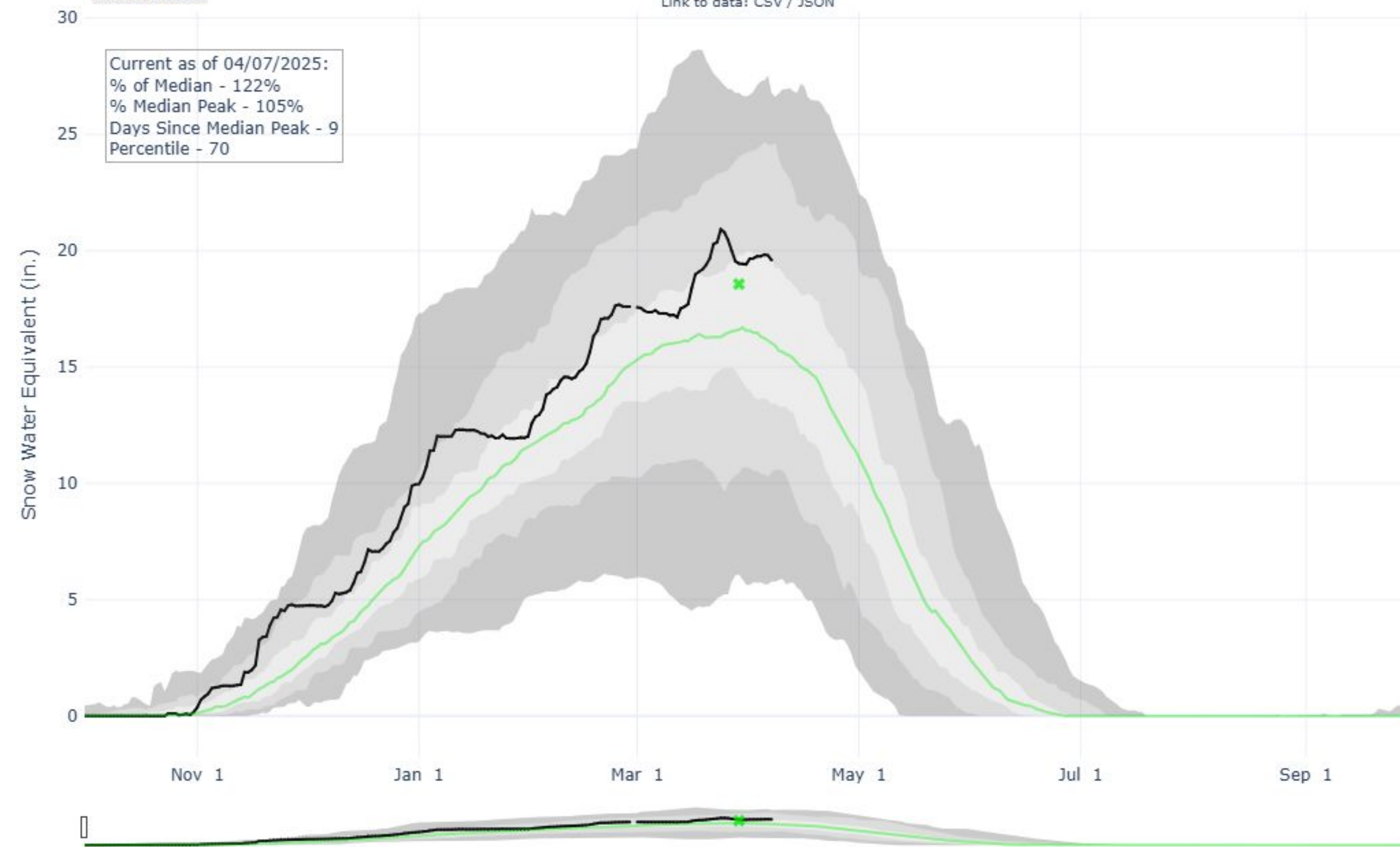
Reset Range

Link to data: CSV / JSON

Current as of 04/07/2025:
% of Median - 122%
% Median Peak - 105%
Days Since Median Peak - 9
Percentile - 70

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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SNOW WATER EQUIVALENT IN MIDDLE COLUMBIA

Reset Range

Link to data: CSV / JSON

Current as of 04/07/2025:
% of Median - 103%
% Median Peak - 95%
Days Since Median Peak - 6
Percentile - 55

Station List

- ✱ Median Peak SWE
- Median ('91-'20)
- Stats. Shading
- 2025 (21 sites)

Snow Water Equivalent (in.)

40
35
30
25
20
15
10
5
0

Nov 1

Jan 1

Mar 1

May 1

Jul 1

Sep 1



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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SNOW WATER EQUIVALENT IN YAKIMA

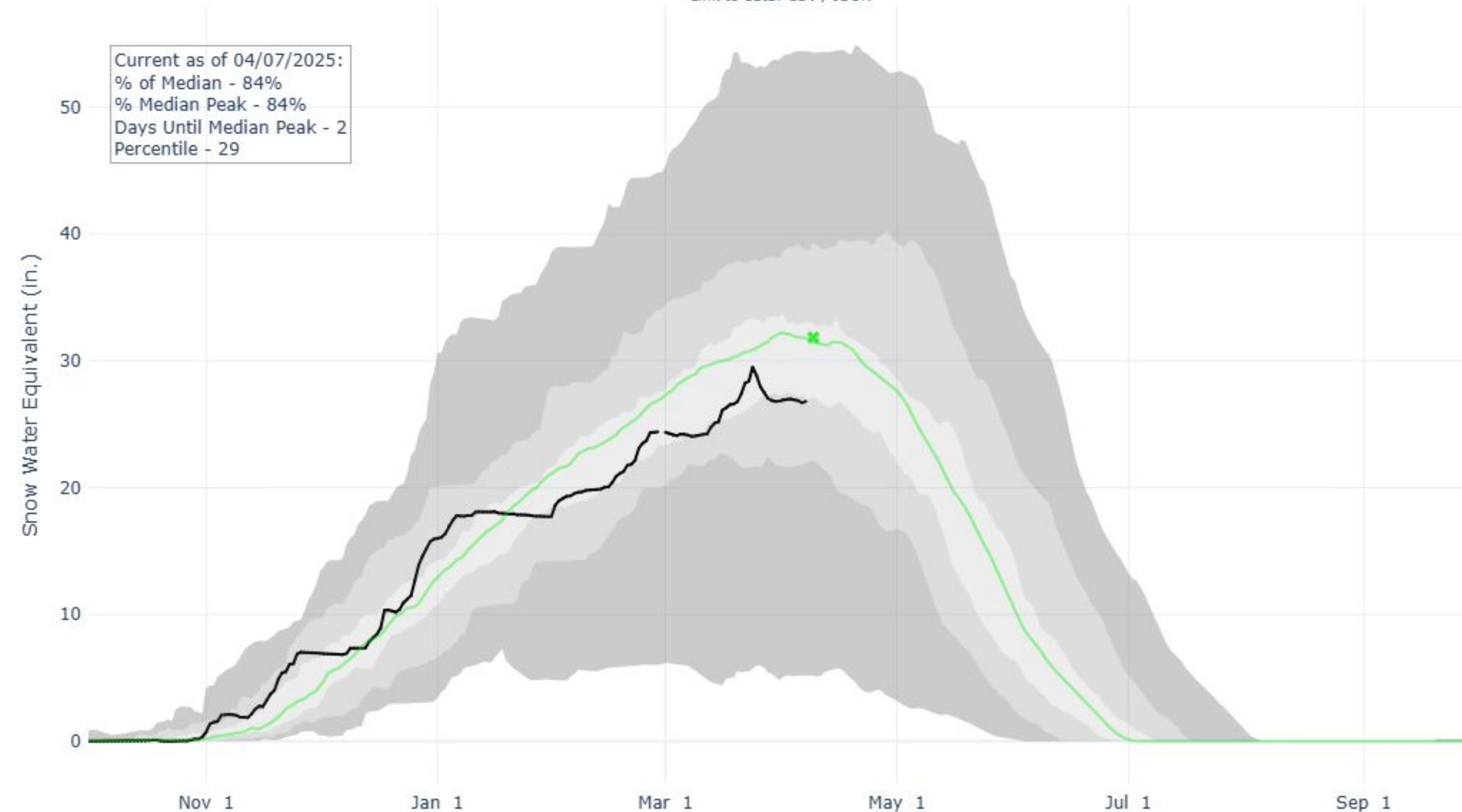
Reset Range

Link to data: CSV / JSON

Current as of 04/07/2025:
% of Median - 84%
% Median Peak - 84%
Days Until Median Peak - 2
Percentile - 29

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) - Deschutes Watershed

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SNOW WATER EQUIVALENT IN DESCHUTES

Reset Range

[Link to data: CSV / JSON](#)

Current as of 04/07/2025:

% of Median - 138%

% Median Peak - 115%

Days Since Median Peak - 11

Percentile - 66

Station List

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

Snow Water Equivalent (in.)

40

35

30

25

20

15

10

5

0

Nov 1

Jan 1

Mar 1

May 1

Jul 1

Sep 1



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

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SNOW WATER EQUIVALENT IN JOHN DAY

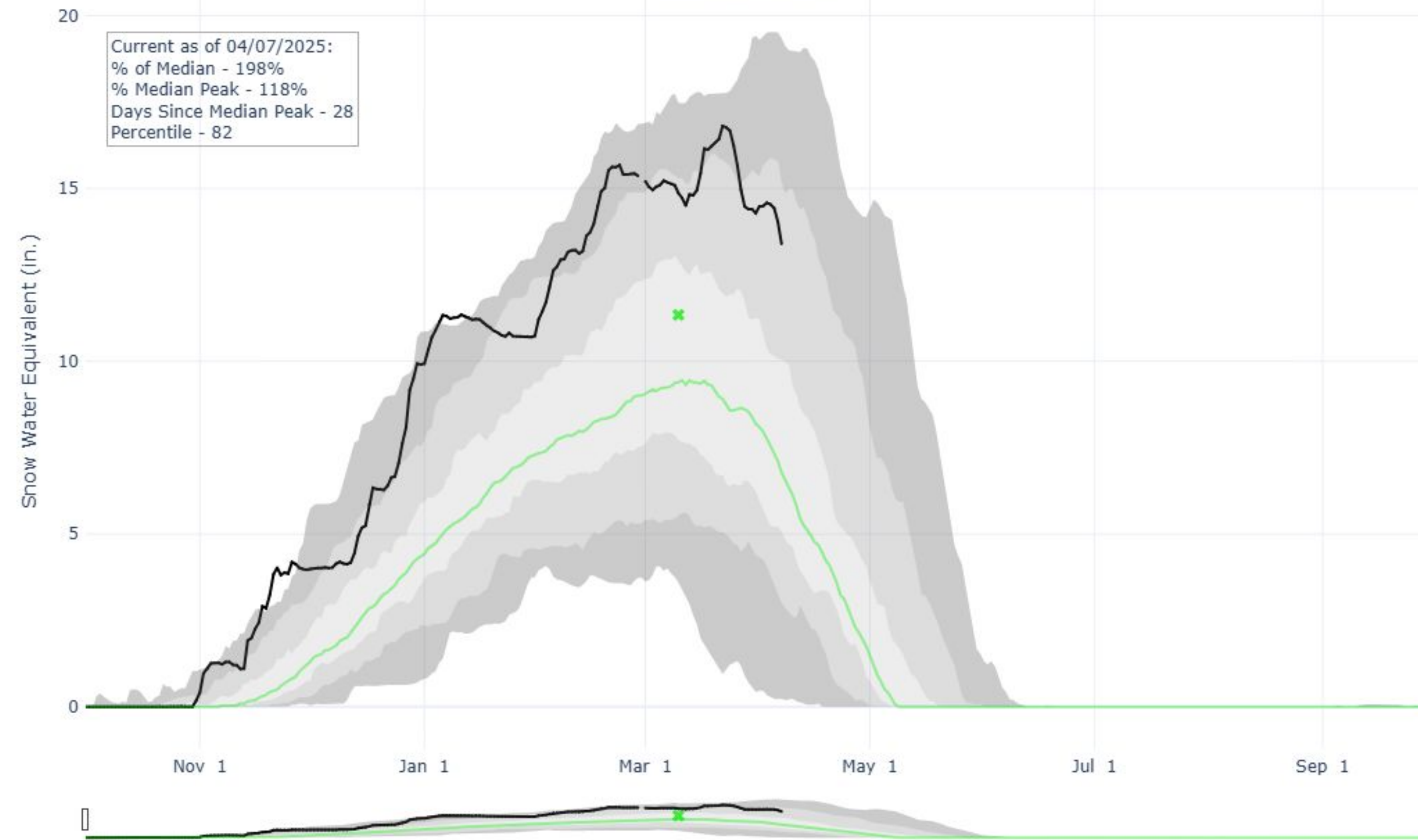
Reset Range

Link to data: CSV / JSON

Current as of 04/07/2025:
% of Median - 198%
% Median Peak - 118%
Days Since Median Peak - 28
Percentile - 82

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
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- During March, predominantly above-normal temperatures were observed relative to the 1991-2020 reference period.
- Above- to much-above-normal precipitation was recorded across central and north-central Oregon. Mostly near- to above-normal precipitation fell across the rest of the forecast area except for portions of south-central Washington which observed near- to below-normal amounts.



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