

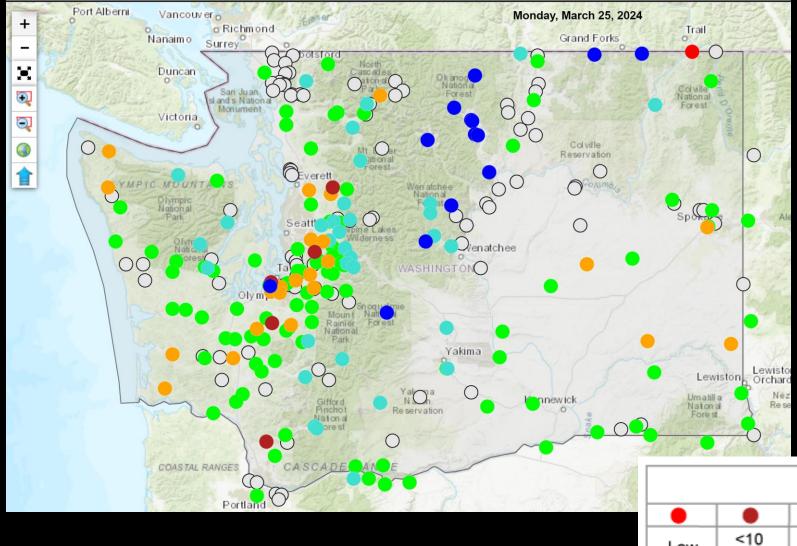
Streamflow & Groundwater Conditions in Washington State as of 26 March 2024

Presented to the Washington State Water Supply Availability Committee by Andy Long on 27 March 2024 Prepared by Nicholas Sutfin, USGS Washington Water Science Center

This information is preliminary and is subject to revision. It is being provided to meet the need for timely best science. The information is provided on the condition that neither the U.S. Geological Survey nor the U.S. Government shall be held liable for any damages resulting from the authorized or unauthorized use of the information.



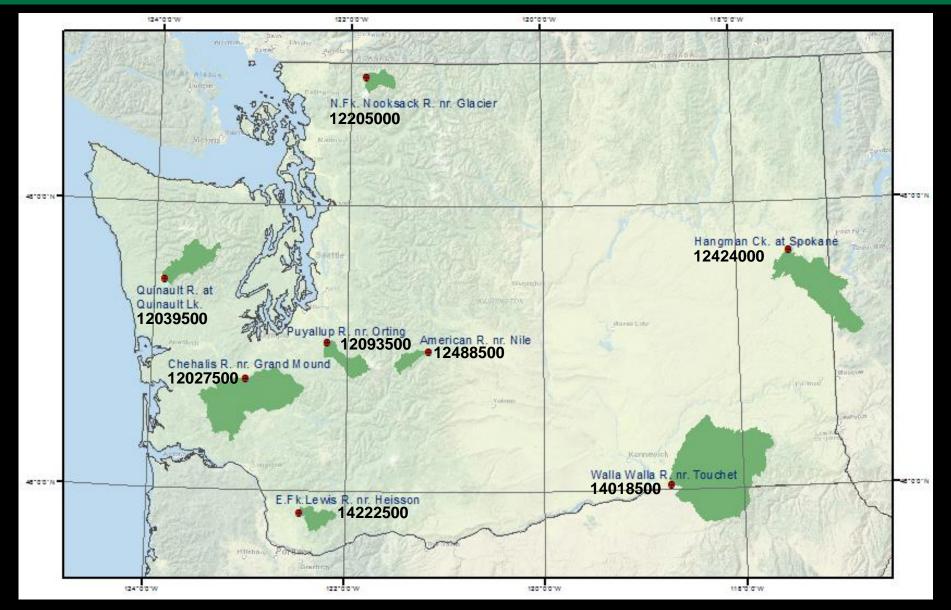
7-day Average Streamflow Conditions as of 26 March 2024



Preliminary Information-Subject to Revision. Not for Citation or Distribution.

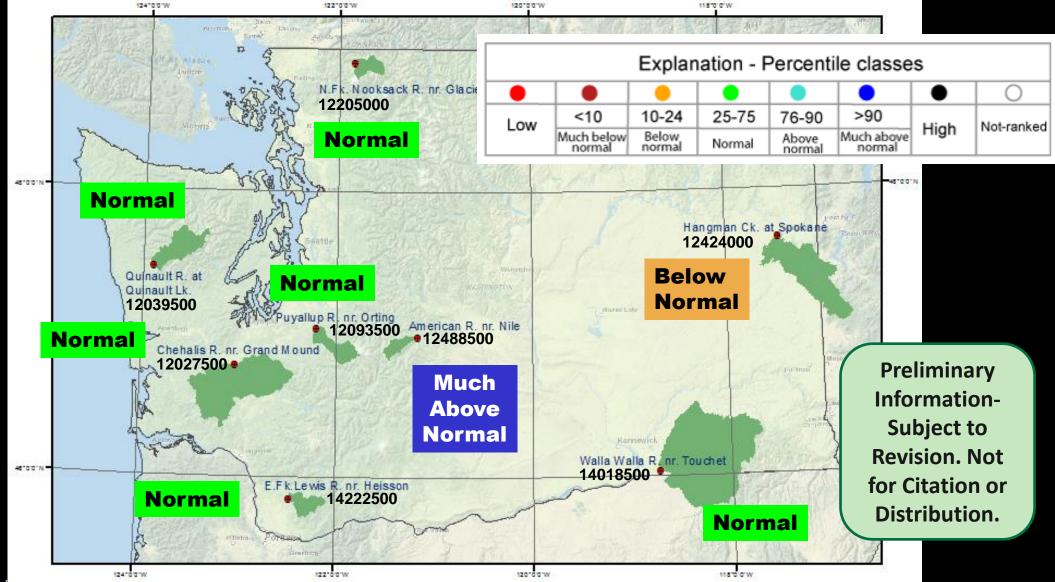
		Explanation - Percentile classes						
•		•	•			•	0	
Low	<10	10-24	25-75	76-90	>90	Lliah	Not-ranked	
Low	Much below normal	Below normal	Normal	Above normal	we Much above "9"	NOPIAIREG		

Science for a changing world (Stations that measure natural or near-natural streamflow)





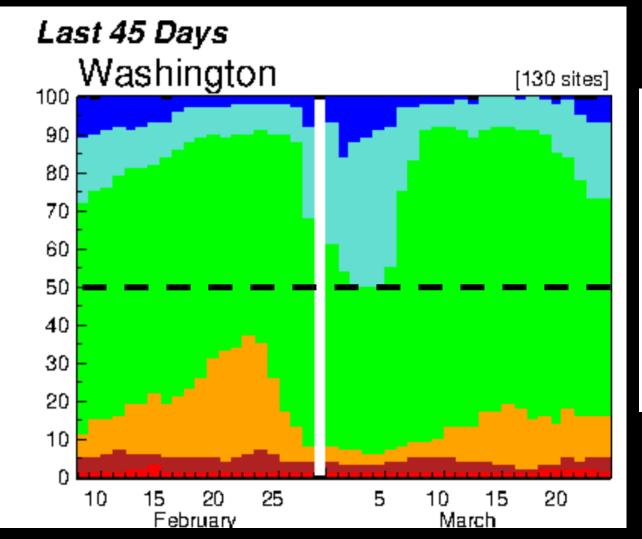
Index Gaging Stations 7-day average streamflow as of 26 March 2024



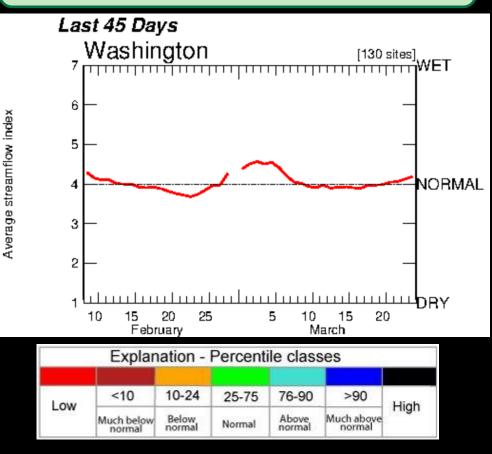
https://waterwatch.usgs.gov/



7-day average streamflow 7-day average streamflow as of 26 March 2024 is ~normal



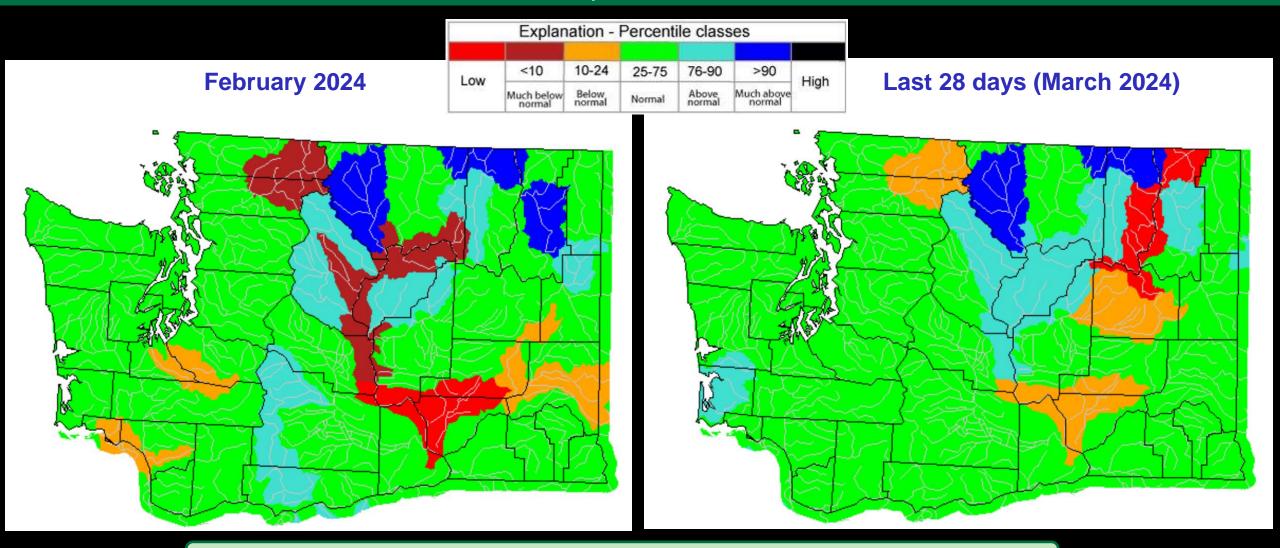
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Dercentage of streamgages

Science for a changing world

Monthly average streamflow compared to historical streamflow



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https://waterwatch.usgs.gov/

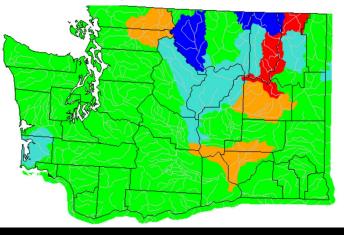


Monthly average streamflow compared to historical streamflow as of 26 March 2024

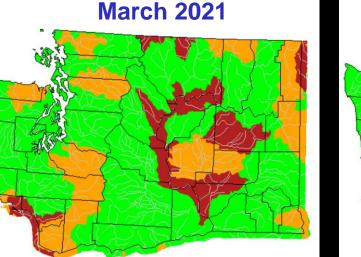
	Explan	ation -	Percent	ile class	ses	
Low	<10	10-24	25-75 Normal	76-90 Above normal	>90 Much above normal	High
	Much below normal	Below				

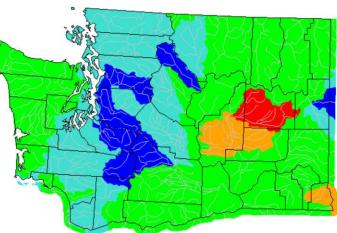
https://waterwatch.usgs.gov/

Last 28 days (as of March 26)

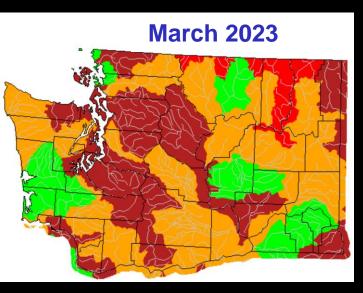


March 2022





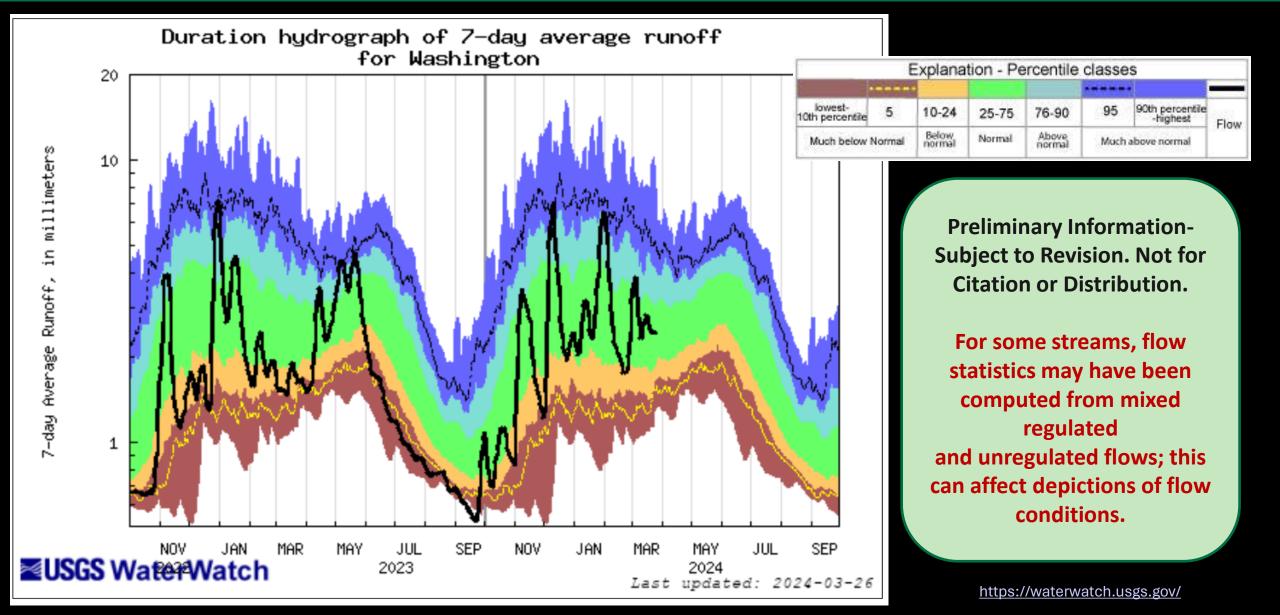
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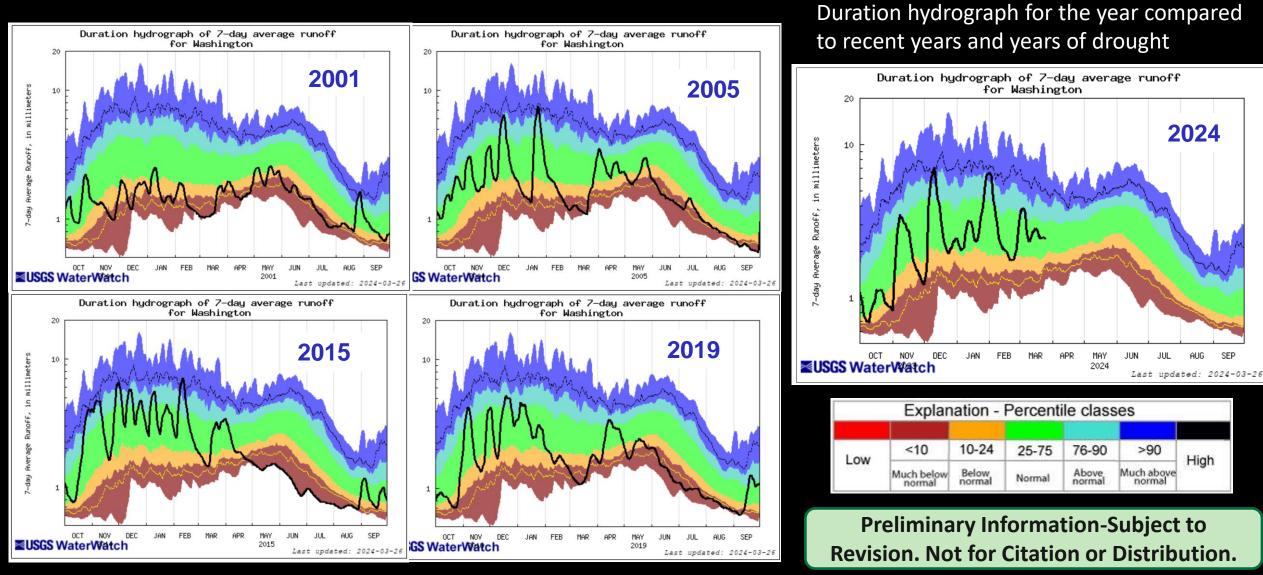
Area-Based Runoff Duration Hydrograph

7-day average streamflow as of 26 March 2024 is ~normal





7-day average runoff compared to historical runoff as of 26 March 2024

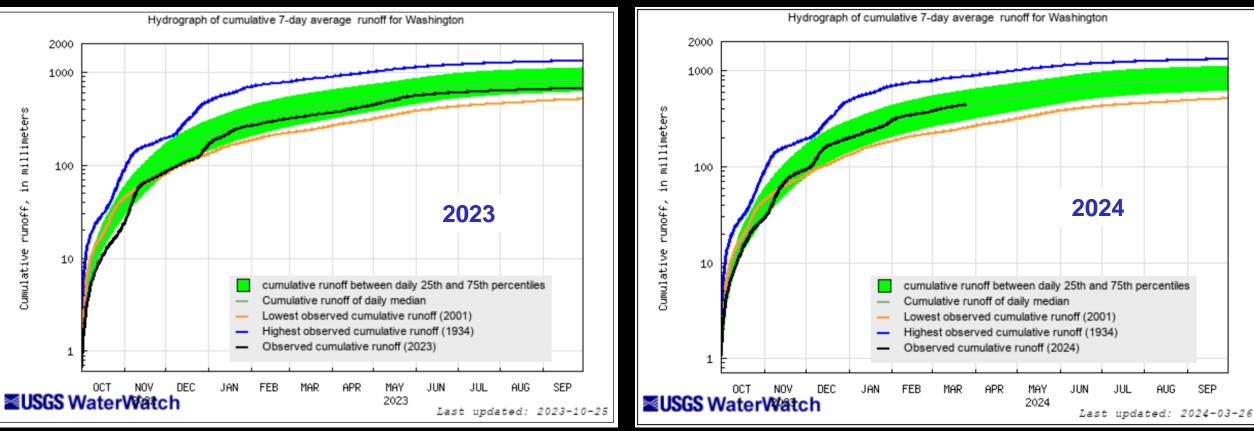


https://waterwatch.usgs.gov/



Cumulative runoff hydrograph Area-based runoff based on 7-day average

Normal as of 26 March 2024



2023 water year

Area-based runoff may have been computed from mixed regulated and unregulated streamflows

https://waterwatch.usgs.gov/

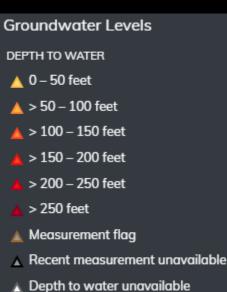
2024 water year

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Science for a changing world

Three reference groundwater wells

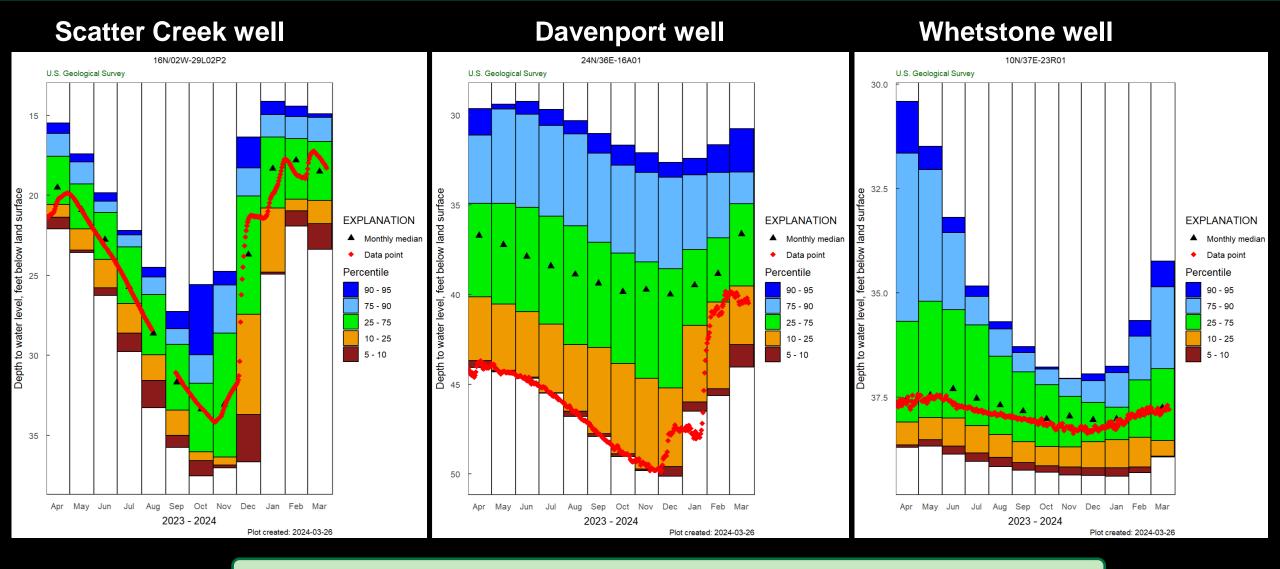




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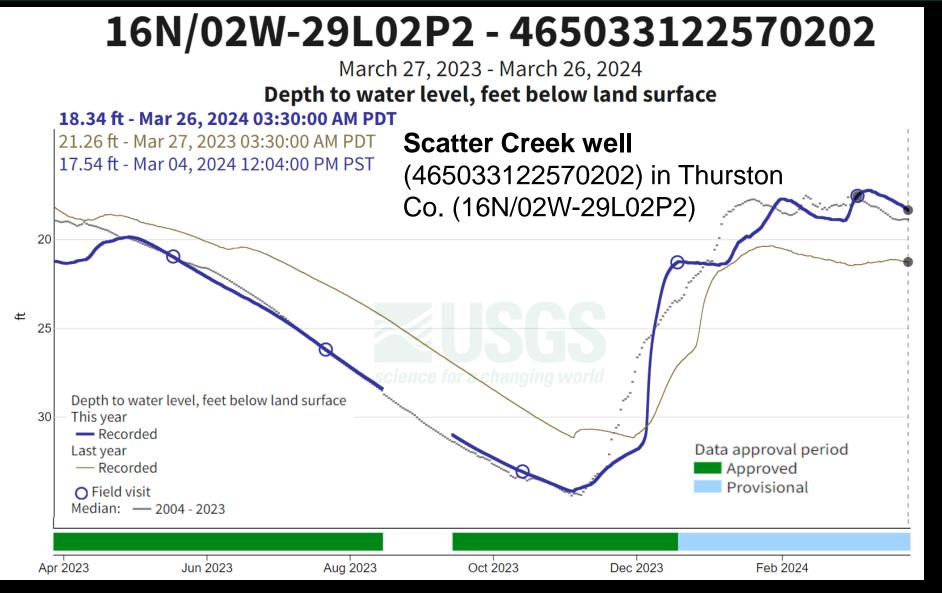
Groundwater Conditions



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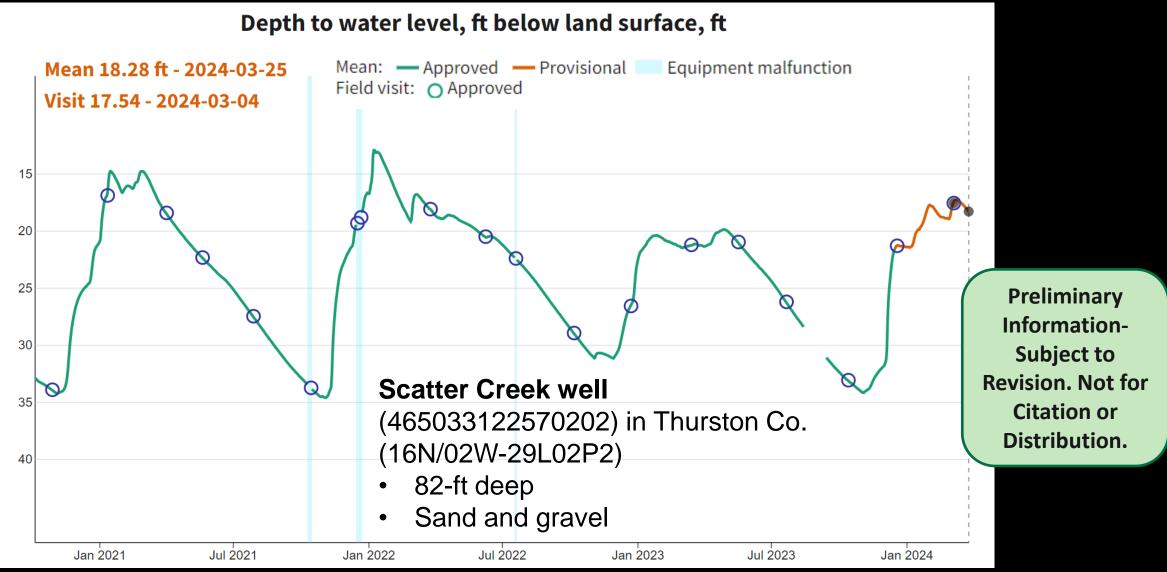
Scatter Creek Well Groundwater Conditions



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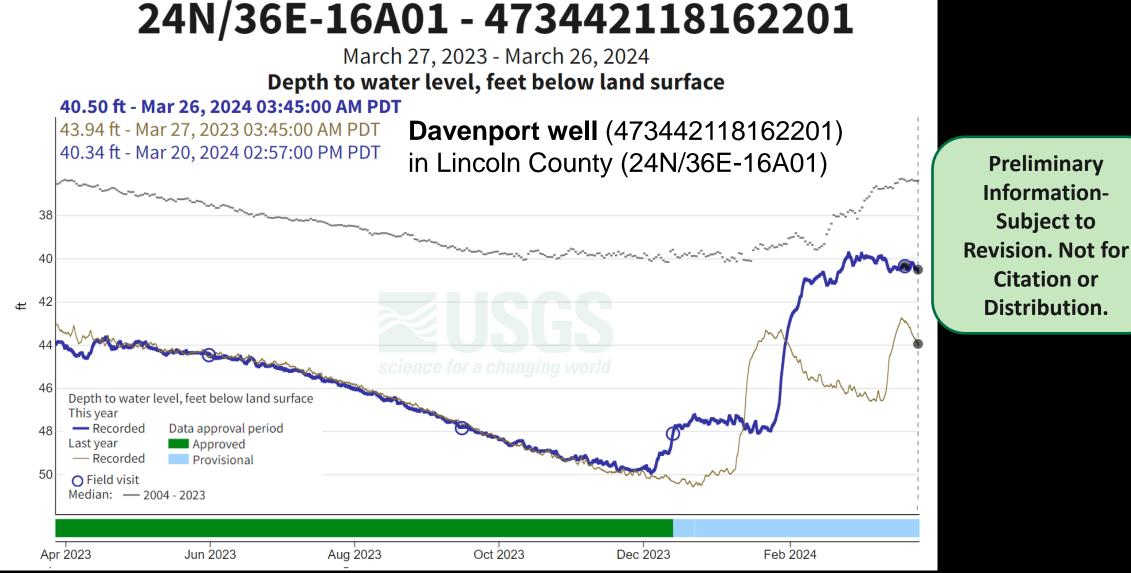


Scatter Creek Well Groundwater Conditions



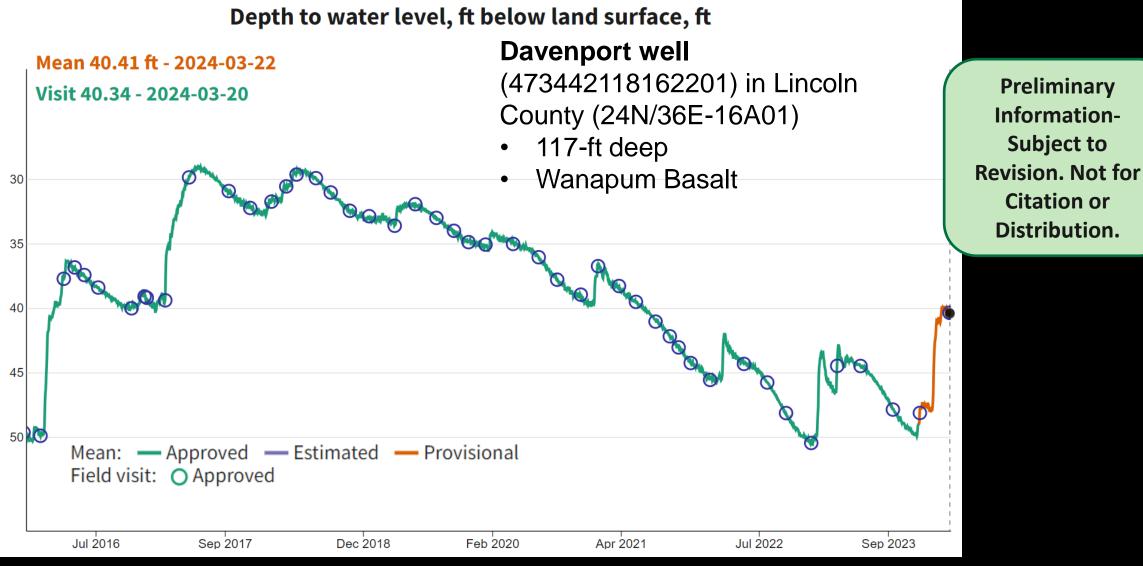


Davenport Well Groundwater Conditions



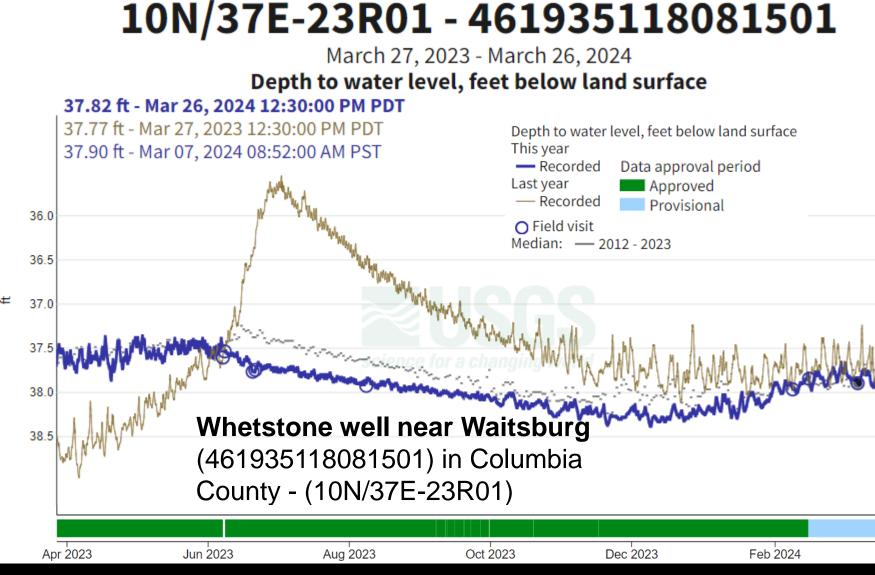


Davenport Well Groundwater Conditions





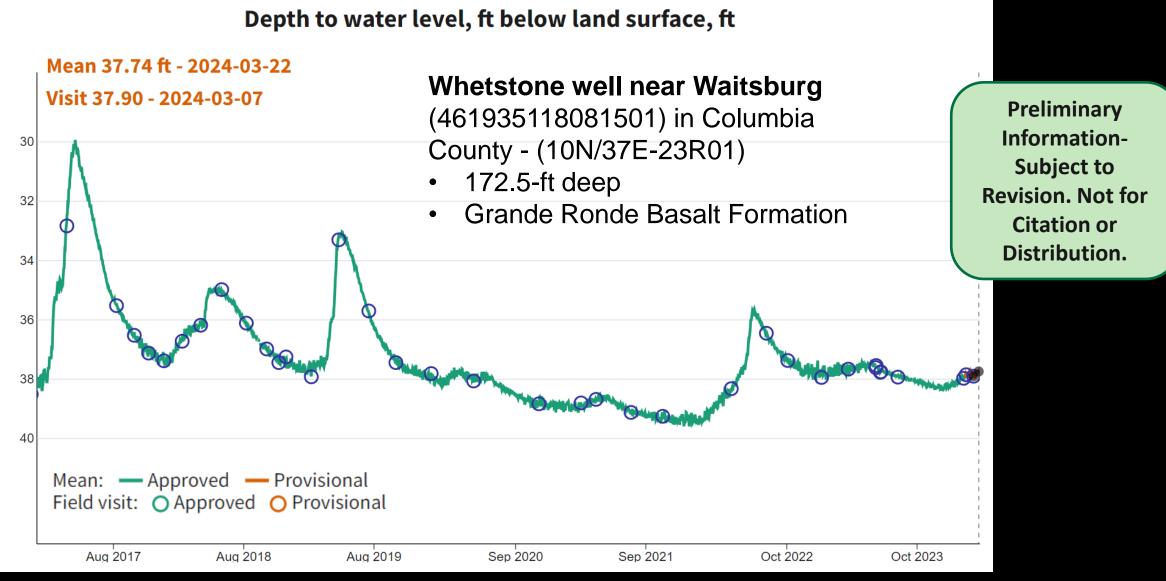
Whetstone Well Groundwater Conditions



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Whetstone Well Groundwater Conditions





Summary of Washington Streamflow and Groundwater Conditions as of 26 March 2024

7-day average streamflow at eight index gaging stations:

Normal

- NF Nooksack River
- Chehalis River nr. Grand Mound
- Walla Walla River
- Puyallup River nr. Orting
- EF Lewis River
- Quinault River

Below Normal

- Hangman Creek
 Much Above Normal
 - American River

State-wide monthly average streamflow:

Normal

Cumulative Runoff Hydrograph Normal

Monthly average groundwater conditions: Normal

- Scatter Creek well
- Whetstone well
- **Below Normal**
 - Davenport well

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