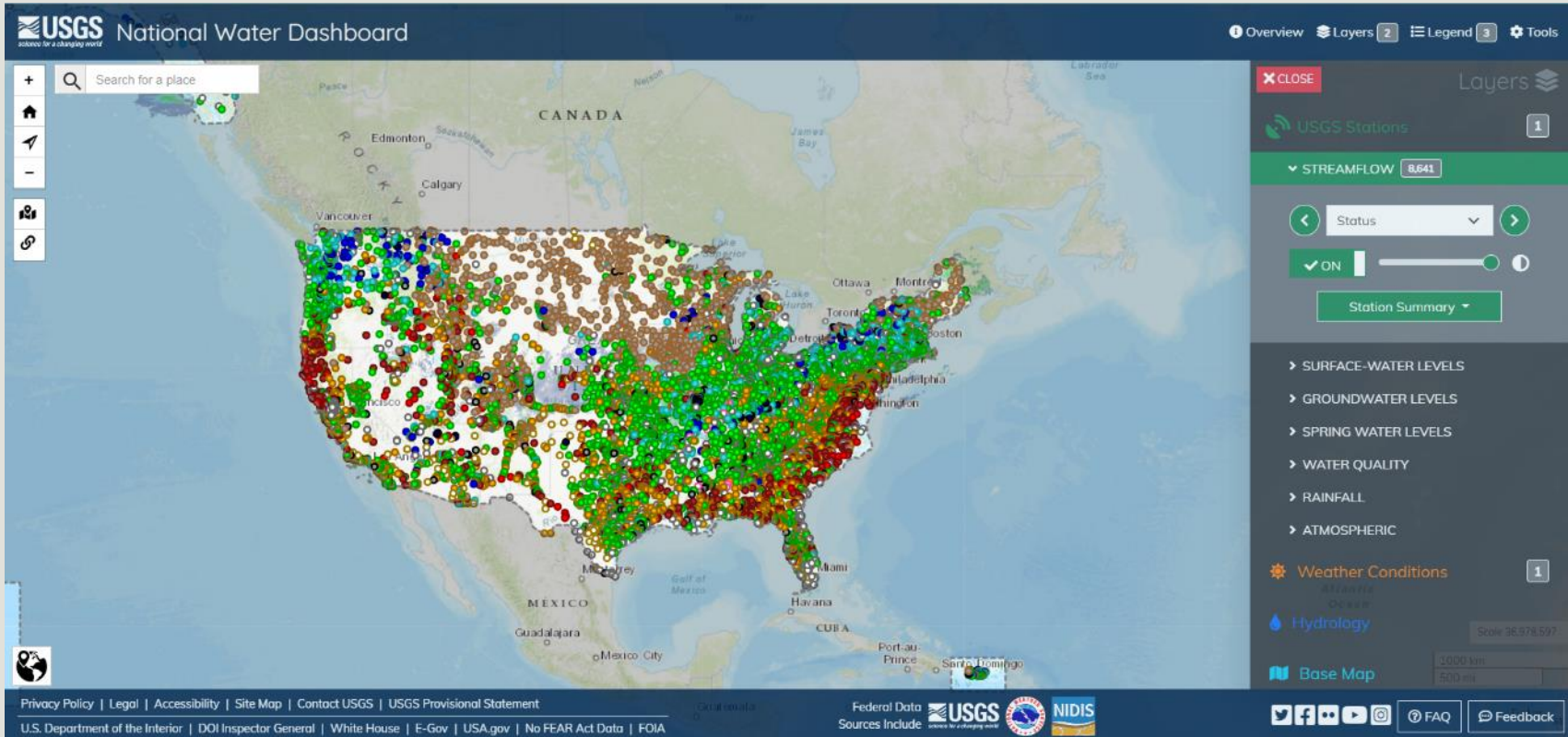


This is a companion document to the presentation given to McKenzie Flyfishers on April 14, 2022. Many thanks to Toby Welborn of the USGS. (See the video, "National Water Dashboard Presentation")

## The USGS National Water Dashboard



# The USGS Mission

---

- Founded in 1879, the USGS is part of the Department of the Interior and is a non-regulatory scientific agency
- The USGS mission is to monitor, analyze, and predict current and evolving dynamics of complex human and natural Earth-system interactions and to deliver actionable intelligence at scales and timeframes relevant to decision makers.

# The USGS Water Resources Mission Area

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- The USGS is a non-management, unbiased science agency.
- Water Resources Mission Area of the USGS works with partners to monitor, assess, conduct targeted research, and deliver information on a wide range of water resources and conditions including streamflow, groundwater, water quality, and water use and availability.

<https://www.usgs.gov/science/mission-areas>



*USGS staff collecting bathymetry data on Siletz River, Oregon  
Photo Credit: USGS*



# USGS Streamgaging Network

The USGS Groundwater and Streamflow Information Program supports the collection and delivery of streamflow and water-level information at approximately 8,500 sites and water-level information alone for more than 1,700 additional sites. The data are served online—most in near real-time—to meet many diverse needs.

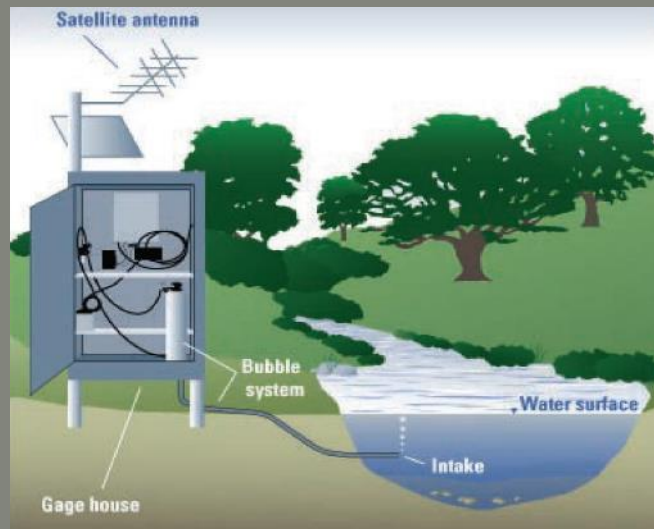


Diagram showing a streamgaging installation with a bubbler system used to measure stream stage.  
(Credit: L.S. Coplin, USGS)



Streamgaging on McKenzie River near Vida, Oregon  
(Site number 14162500)

(Photo Credit: James King, USGS)

Coast Fork Willamette River and gage house at  
State Highway 58 near Goshen, Oregon, above  
flood stage on December 18, 2015.

(Photo Credit: USGS)

<https://www.usgs.gov/mission-areas/water-resources/science/usgs-streamgaging-network#overview>

# How do I interpret gage height and streamflow values?

---

**Gage height** (also known as stage) is the height of the water in the stream above a reference point. Gage height refers to the elevation of the water surface in the specific pool at the streamgaging station, not along the entire stream. Gage height also does not refer to the depth of the stream. Measurements of gage height are continually recorded by equipment inside a gage house on the streambank.

<https://help.waterdata.usgs.gov/tutorials/surface-water-data/how-do-i-interpret-gage-height-and-streamflow-values>

# How do I interpret gage height and streamflow values?

---

**Streamflow** (also known as **discharge**) is the volume of water flowing past a given point in the stream in a given period of time. Streamflow is reported as cubic feet per second (ft<sup>3</sup>/s). Streamflow values are better indicators than gage height of conditions along the whole river. Measurements of streamflow are made about every six weeks by USGS personnel; they wade into the stream to make the measurement or do so from a boat, bridge, or cableway over the stream.

**1 cubic foot per second = 7.5 gallons flowing by a particular point in 1 second.**

<https://help.waterdata.usgs.gov/tutorials/surface-water-data/how-do-i-interpret-gage-height-and-streamflow-values>

# What is turbidity?

---

**Turbidity** is the measure of relative clarity of a liquid. It is an optical characteristic of water and is a measurement of the amount of light that is scattered by material in the water when a light is shined through the water sample. The higher the intensity of scattered light, the higher the turbidity. Material that causes water to be turbid include clay, silt, very tiny inorganic and organic matter, algae, dissolved colored organic compounds, and plankton and other microscopic organisms.

<https://www.usgs.gov/special-topics/water-science-school/science/turbidity-and-water>

[https://or.water.usgs.gov/will\\_morrison/secchi\\_depth\\_model.html](https://or.water.usgs.gov/will_morrison/secchi_depth_model.html)



*Close-up of coastal cutthroat from Camp Creek, western Oregon  
(Photo Credit: David Leer, Oregon State University)*

## Gage Height and Streamflow, Why do I care?

---

How safe is it to wade or drift?

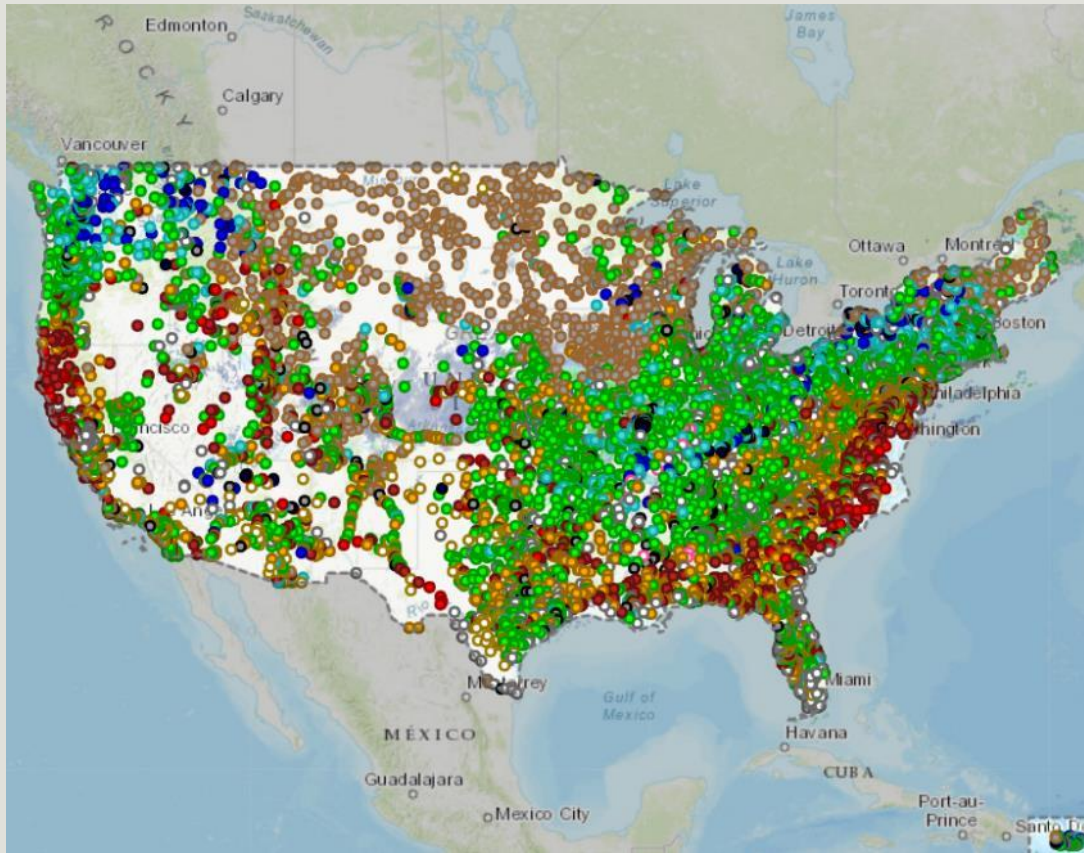
Where are the fish holding?

Are conditions optimal for a hatch?

What reach is potentially fishable?

Am I bringing the right equipment for conditions?





# The National Water Dashboard

Integrates all USGS current conditions water data and other Federal water information together in one streamlined mobile-friendly interface

Extended to include all U.S. states and territories

Includes:

- Flow statistics, weather patterns, forecasts
- Hydrologic context layers

<https://dashboard.waterdata.usgs.gov/>

# Start Application Demonstration

---

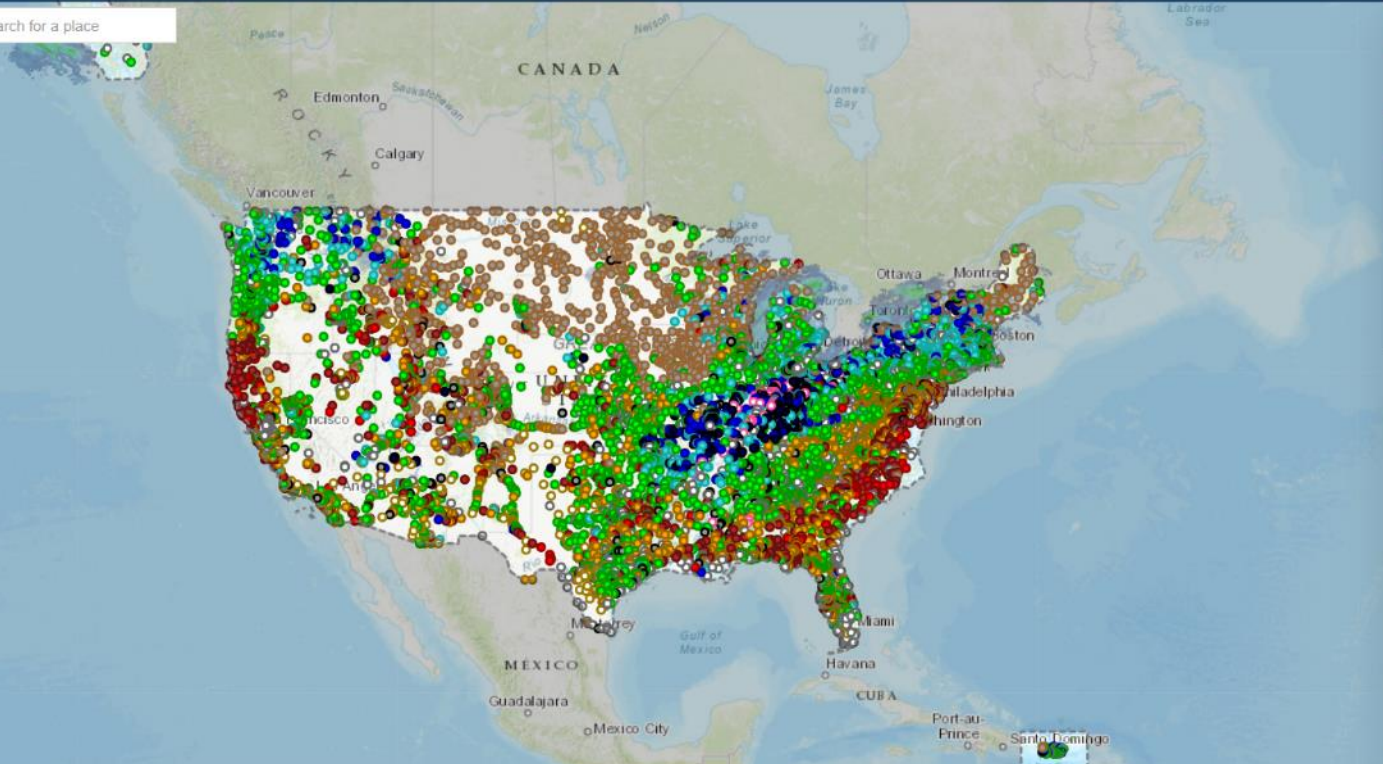
<https://dashboard.waterdata.usgs.gov/>

# DEMO

**USGS** National Water Dashboard

Overview Layers 2 Legend 3 Tools

Search for a place



**Layers**

- USGS Stations 1
  - STREAMFLOW 8,640
    - Status
    - ON
    - Station Summary
  - SURFACE-WATER LEVELS
  - GROUNDWATER LEVELS
  - SPRING WATER LEVELS
  - WATER QUALITY
  - RAINFALL
  - ATMOSPHERIC
- Weather Conditions 1
- Hydrology
- Base Map

Scale 36,378,537  
1000 km  
500 mi

Privacy Policy | Legal | Accessibility | Site Map | Contact USGS | USGS Provisional Statement  
U.S. Department of the Interior | DOI Inspector General | White House | E-Gov | USA.gov | No FEAR Act Data | FOIA

Federal Data Sources Include USGS NIDIS

FAQ Feedback



# DEMO

The image shows a screenshot of the USGS National Water Dashboard. The interface includes a search bar at the top left, a map of the United States with numerous colored data points, and a right-hand sidebar with various data layers and controls. Annotations with arrows point to specific features: 'Zoom, Home, and My Location' points to the map navigation icons; 'About, Data Layers, Legend, and Tools' points to the top right navigation menu; 'Inset Map' points to a small globe icon in the bottom left; and 'Provisional Data Statement' points to a text link at the bottom of the map area.

**USGS National Water Dashboard**

Overview Layers 2 Legend 3 Tools

Search for a place

Zoom, Home, and My Location

About, Data Layers, Legend, and Tools

Inset Map

Provisional Data Statement

Layers

- USGS Stations 1
- STREAMFLOW 8,640
  - Status
  - ON
  - Station Summary
- SURFACE-WATER LEVELS
- GROUNDWATER LEVELS
- SPRING WATER LEVELS
- WATER QUALITY
- RAINFALL
- ATMOSPHERIC
- Weather Conditions 1
- Hydrology
- Base Map

Scale 36,378,537

1000 km  
500 mi

Privacy Policy | Legal | Accessibility | Site Map | Contact USGS | USGS Provisional Statement

U.S. Department of the Interior | DOI Inspector General | White House | E-Gov | USA.gov | No FEAR Act Data | FOIA

Federal Data Sources Include USGS NIDIS

FAQ Feedback



# DEMO

**USGS** National Water Dashboard

Overview Layers 2 Legend 3 Tools

Search for a place

**USGS Stations** 1

STREAMFLOW 8,640

Status

ON

Station Summary

**Tools**


- Change Area of Interest
- Get Link
- Measure
- Pop-up notifications  ON
- Hover help tips  ON
- Dark theme  ON
- Transparent theme  ON


FAQ Feedback About


Privacy Policy | Legal | Accessibility | Site Map | Contact USGS | USGS Provisional Statement  
U.S. Department of the Interior | DOI Inspector General | White House | E-Gov | USA.gov | No FEAR Act Data | FOIA


Federal Data Sources Include **USGS**


# DEMO


Select Area of Interest 

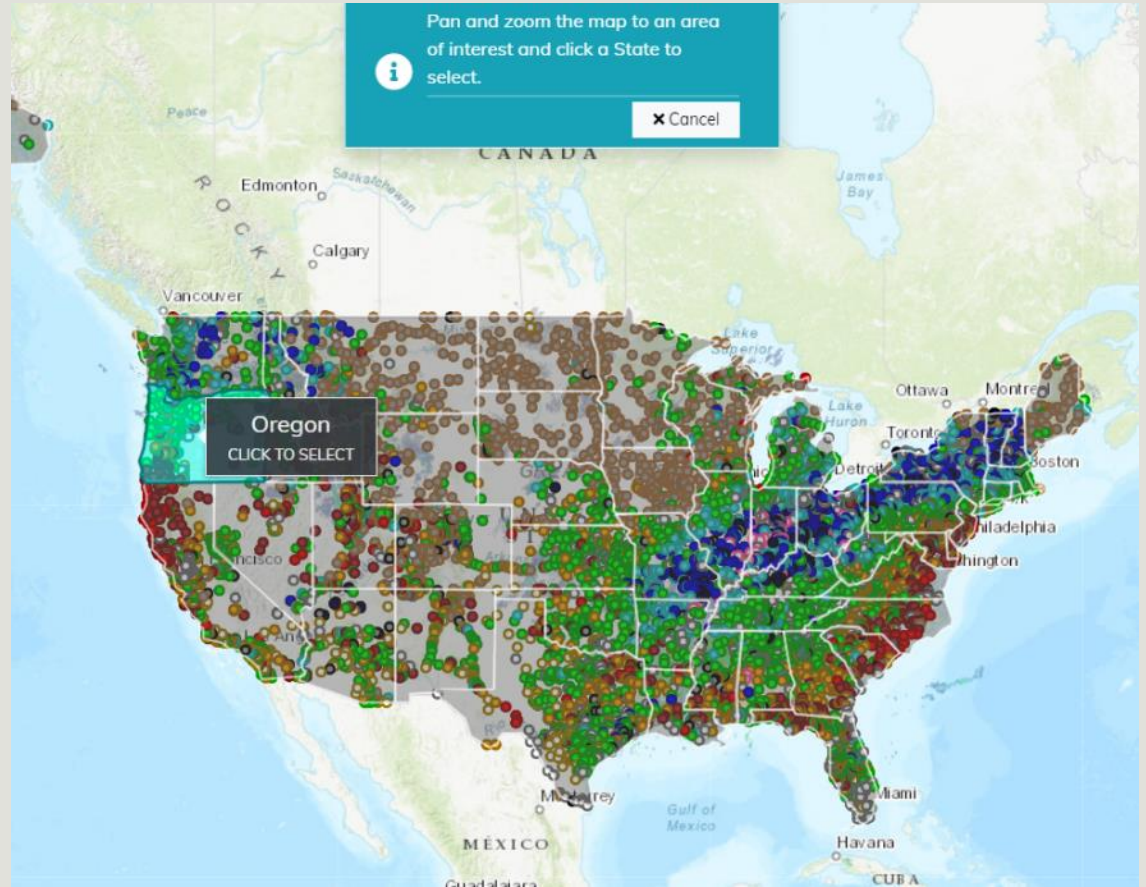
Select a U.S. State... 

 Click a U.S. State

 Your Location

 Drag a Box







# DEMO

**USGS** National Water Dashboard Overview Layers Legend Tools

Search for a place

Search

USGS Stations

STREAMFLOW 204

Status

ON

Station Summary

- SURFACE-WATER LEVELS
- GROUNDWATER LEVELS
- SPRING WATER LEVELS
- WATER QUALITY
- RAINFALL
- ATMOSPHERIC

Weather Conditions

Hydrology

Base Map

Scale 4,622,325

100 km

Get Link

Use this link to bookmark or share the current map view

<https://dashboard.waterdata.usgs.gov/app/hwd/?aoi=state-or&view=%7B...>

Copy Cancel

Privacy Policy U.S. Department of the Interior

Federal Data Sources Include USGS NIDIS

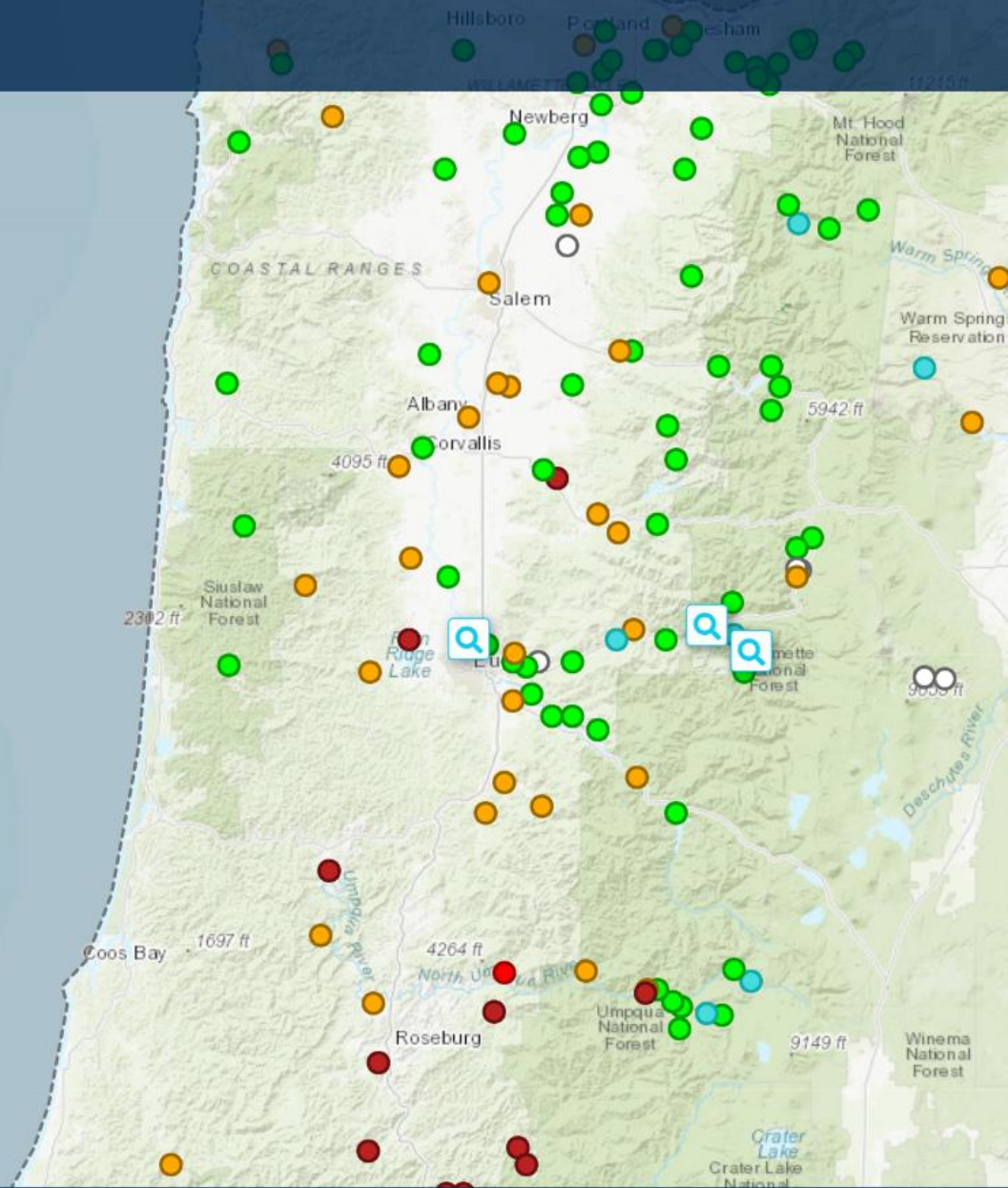
Twitter Facebook YouTube Instagram FAQ Feedback

**+**

**3 Results** ✕

- Counties & Political Divisions
- McKenzie River Division**  
Lane County, OR
- Streams & Canals
- McKenzie River**  
Lane County, OR
- Parks
- McKenzie River Park**  
Lane County, OR

Note: Users can also zoom to their area of interest.



 **DEMO**



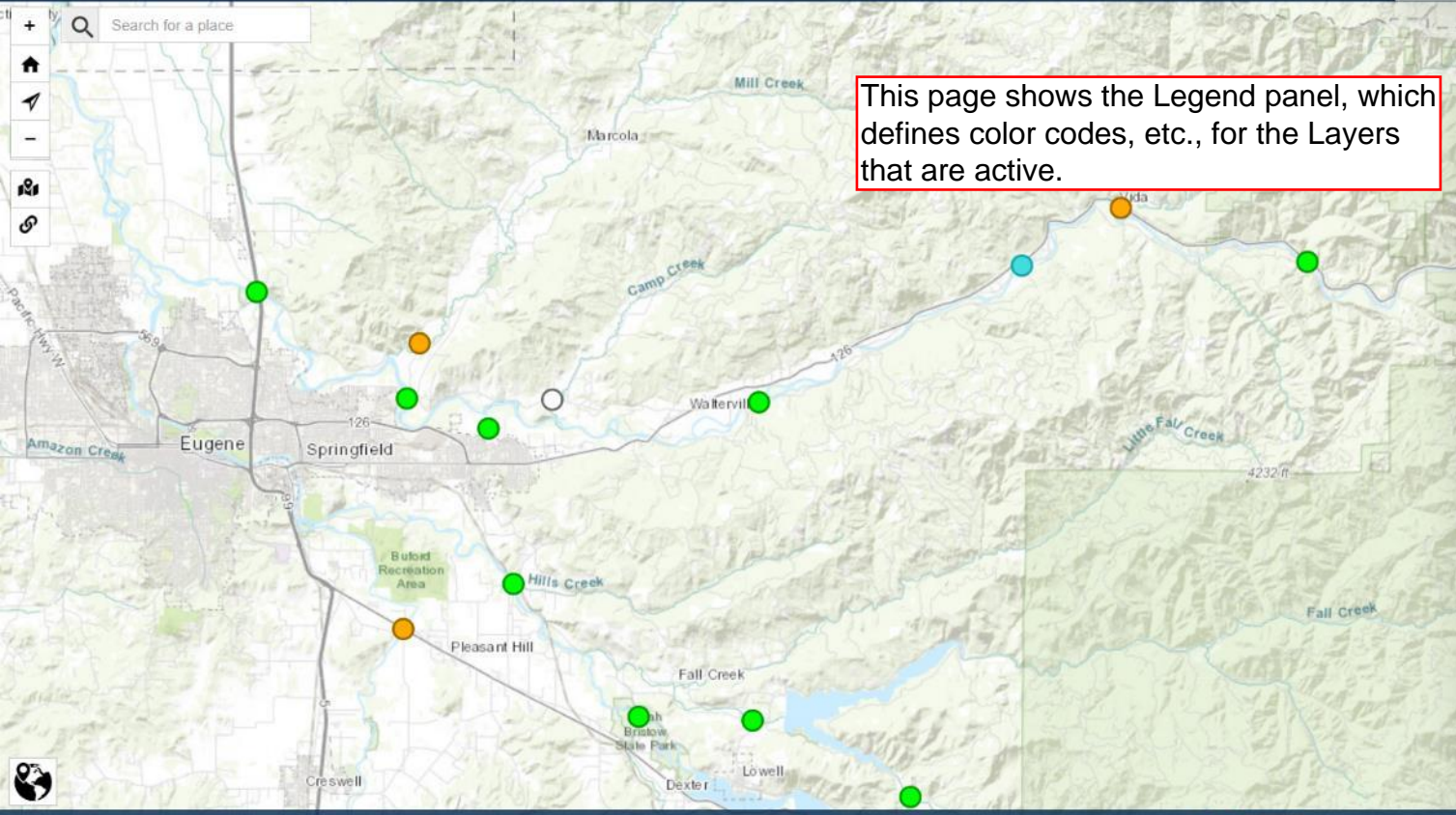
# DEMO

The image shows a screenshot of the USGS National Water Dashboard. The interface includes a search bar at the top left, a map of the Eugene, Oregon area, and a layers panel on the right. Annotations with blue arrows point to various elements:

- Layer Heading:** Points to the "SURFACE-WATER LEVELS" heading in the layers panel.
- Layer Item:** Points to the "Streams" item within the "SURFACE-WATER LEVELS" group.
- Layer Heading:** Points to the "Weather Conditions" heading in the layers panel.
- Layer Heading:** Points to the "Hydrology" heading in the layers panel.
- Layer Heading:** Points to the "Base Map" heading in the layers panel.

A tooltip box over the "Streams" item contains the following text: "Add or remove this layer from the map".

The dashboard header includes the USGS logo and the text "National Water Dashboard". The top right corner has navigation links: "Overview", "Layers 2", "Legend 3", and "Tools". The footer contains links for "Privacy Policy", "Legal", "Accessibility", "Site Map", "Contact USGS", "USGS Provisional Statement", "U.S. Department of the Interior", "DOI Inspector General", "White House", "E-Gov", "USA.gov", "No FEAR Act Data", "FOIA", "Federal Data Sources Include", "USGS", "NIDIS", and social media icons for Twitter, Facebook, YouTube, and Instagram, along with "FAQ" and "Feedback" buttons.



This page shows the Legend panel, which defines color codes, etc., for the Layers that are active.

**Legend**

**Streamflow: Status**

- Above flood stage
- All-time high for this day
- Much above normal
- Above normal
- Normal
- Below normal
- Much below normal
- All-time low for this day
- Not flowing
- Not ranked
- Measurement flag
- Recent measurement unavailable

**Comments:** Marker color indicates the current streamflow condition. Categories are based on the percentile of existing streamflow records on this day-of-the-year. A streamgauge is not ranked when there is less than 10 years of record or a current streamflow value is unavailable. Flood stages are maintained by the National Weather Service (NWS) and are not established for all USGS streamgages.

**Data Source:** [USGS Water Data for the Nation](#)

**TIP** - Click streamflow stations to



# DEMO

The screenshot displays the USGS National Water Dashboard interface. The main map area shows a satellite view of the Eugene, Oregon region, with several colored markers (green, orange, white, blue) placed across the landscape. A red-bordered text box in the center of the map reads "Selecting the Base Map".

The interface includes a top navigation bar with the USGS logo and the text "National Water Dashboard". On the right side of the top bar, there are links for "Overview", "Layers 1", "Legend 2", and "Tools".

On the left side, there is a search bar with the placeholder text "Search for a place" and a vertical toolbar with icons for zooming, home, navigation, and sharing.

The "Layers" panel on the right side is titled "Base Map" and features a slider control. Below the slider, there are ten map style thumbnails arranged in a grid:

- Topographic
- Imagery
- USGS Topo
- USA Topo Maps
- Streets
- Open Streets
- Light
- Dark
- Granite
- Stones

A tooltip with the text "Select this base map" is positioned over the "Streets" thumbnail. At the bottom of the interface, there is a footer containing links for "Privacy Policy", "Legal", "Accessibility", "Site Map", "Contact USGS", and "USGS Provisional Statement". It also includes the text "Federal Data Sources Include" followed by logos for USGS, NOAA, and NIDIS. Social media icons for Twitter, Facebook, YouTube, and Instagram are present, along with "FAQ" and "Feedback" buttons.



# DEMO

**USGS** National Water Dashboard

Overview Layers 2 Legend 3 Tools

Search for a place

In the Hydrology layer you can select which water body types are highlighted.

Layers

- USGS Stations 1
- Weather Conditions
- Hydrology 1
  - RIVERS
    - ON
  - WATERSHEDS
  - AQUIFERS
- Base Map

Clear Layers

Scale 288,895

10 km  
5 mi

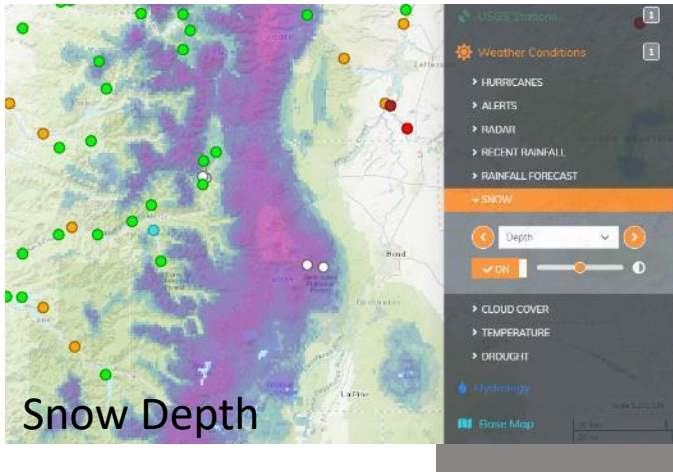
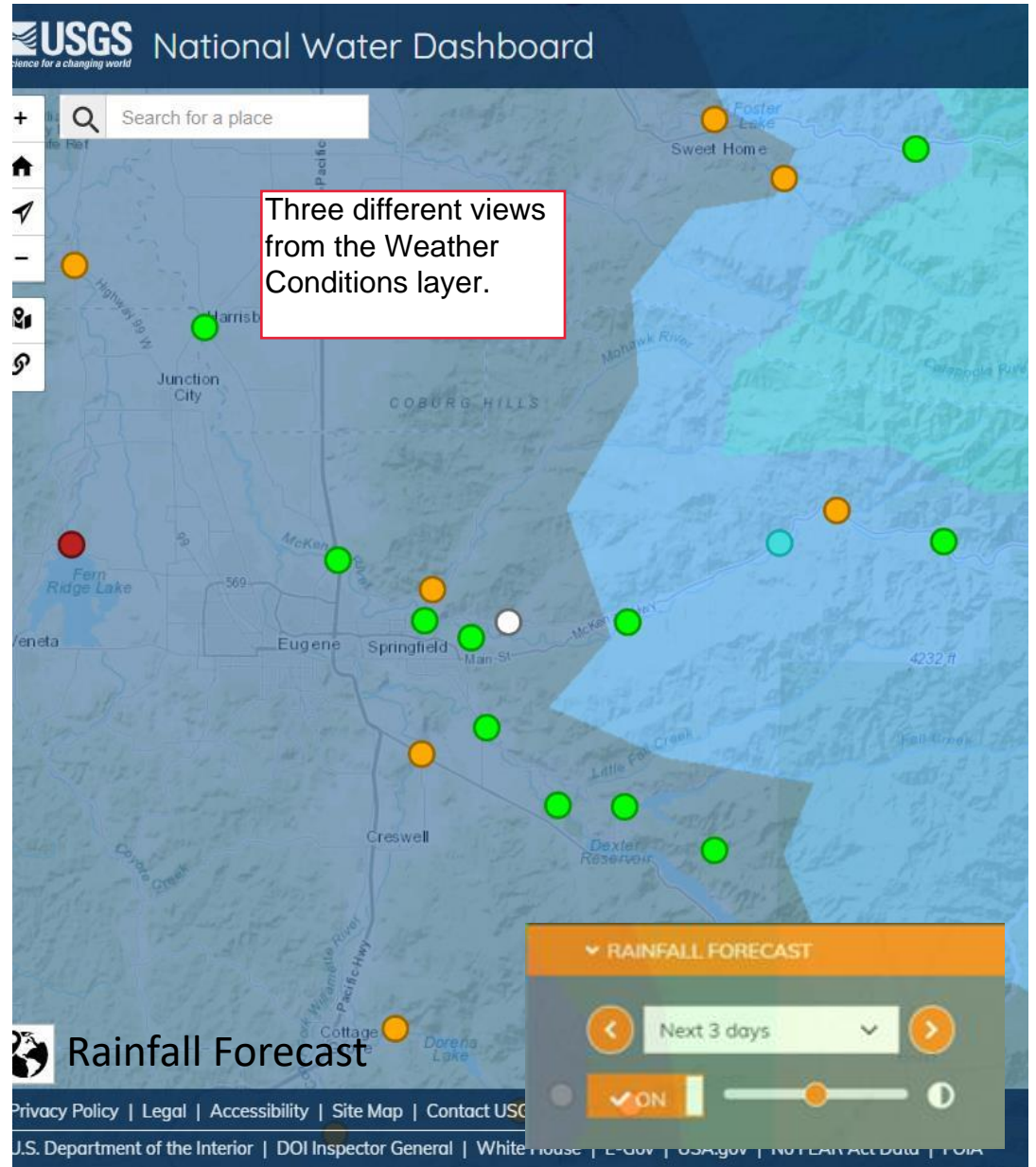
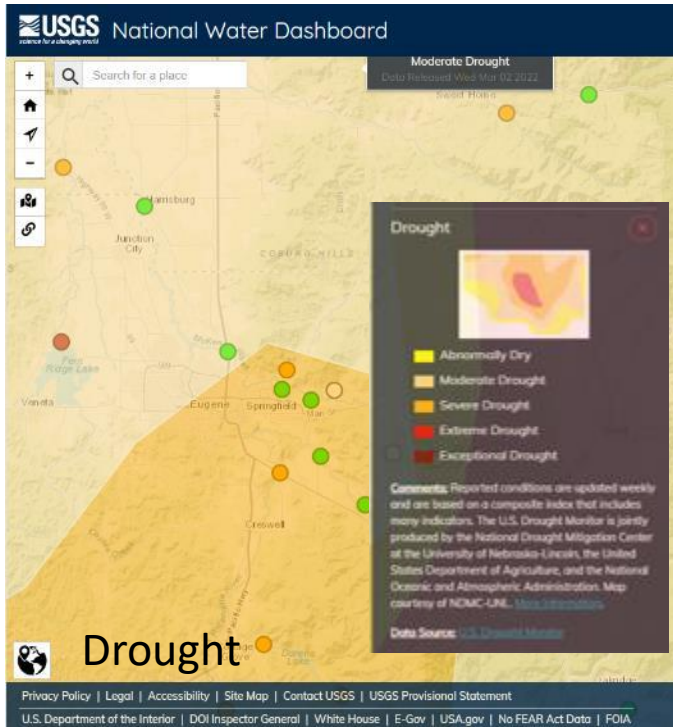
Privacy Policy | Legal | Accessibility | Site Map | Contact USGS | USGS Provisional Statement  
U.S. Department of the Interior | DOI Inspector General | White House | E-Gov | USA.gov | No FEAR Act Data | FOIA

Federal Data Sources Include USGS science for a changing world NIDIS

FAQ Feedback



# DEMO





# DEMO

**USGS National Water Dashboard**

**Desktop View:**

- Monitoring location: **GATE CREEK AT VIDA, OR** (USGS 14163000)
- Discharge, cubic feet per second: **142 ft<sup>3</sup>/s @ 15:30 PST**
- 19 minutes ago
- Below normal for this day-of-year
- Remaining steady

**Mobile View:**

- Monitoring location: **MCKENZIE RIVER NEAR WALTERVILLE, OR** (USGS 14163900)
- Discharge, cubic feet per second: **3,150 ft<sup>3</sup>/s**
- 2022-04-11 11:45 PDT**
- 58 minutes ago
- Normal for this day-of-year
- Increasing 90 ft<sup>3</sup>/s per hour

**Streamflow Status Legend:**

- Above flood stage
- All-time high for this day (100<sup>th</sup> percentile (maximum))
- Much above normal (>90<sup>th</sup> percentile)
- Above normal (76<sup>th</sup> - 90<sup>th</sup> percentile)
- Normal (25<sup>th</sup> - 75<sup>th</sup> percentile)
- Below normal (10<sup>th</sup> - 24<sup>th</sup> percentile)
- Much below normal (<10<sup>th</sup> percentile)
- All-time low for this day (0<sup>th</sup> percentile (minimum))
- Not flowing
- Not ranked
- Measurement flag
- Recent measurement unavailable

**Comments:** Marker color indicates the current streamflow condition. Categories are based on the percentile of existing streamflow records on this day-of-the-year. A streamgauge is not ranked when there is less than 10 years of record or a current streamflow value is unavailable. Flood stages are maintained by the National Weather Service (NWS) and are not established for all USGS streamgages.

The inset window is the display from a mobile device, the large window is from a desktop. The same data are available in both, but the mobile pop-up provides direct links to 4 pages. Clicking the desktop pop-up takes the user to the site page, which has links to the other pages.

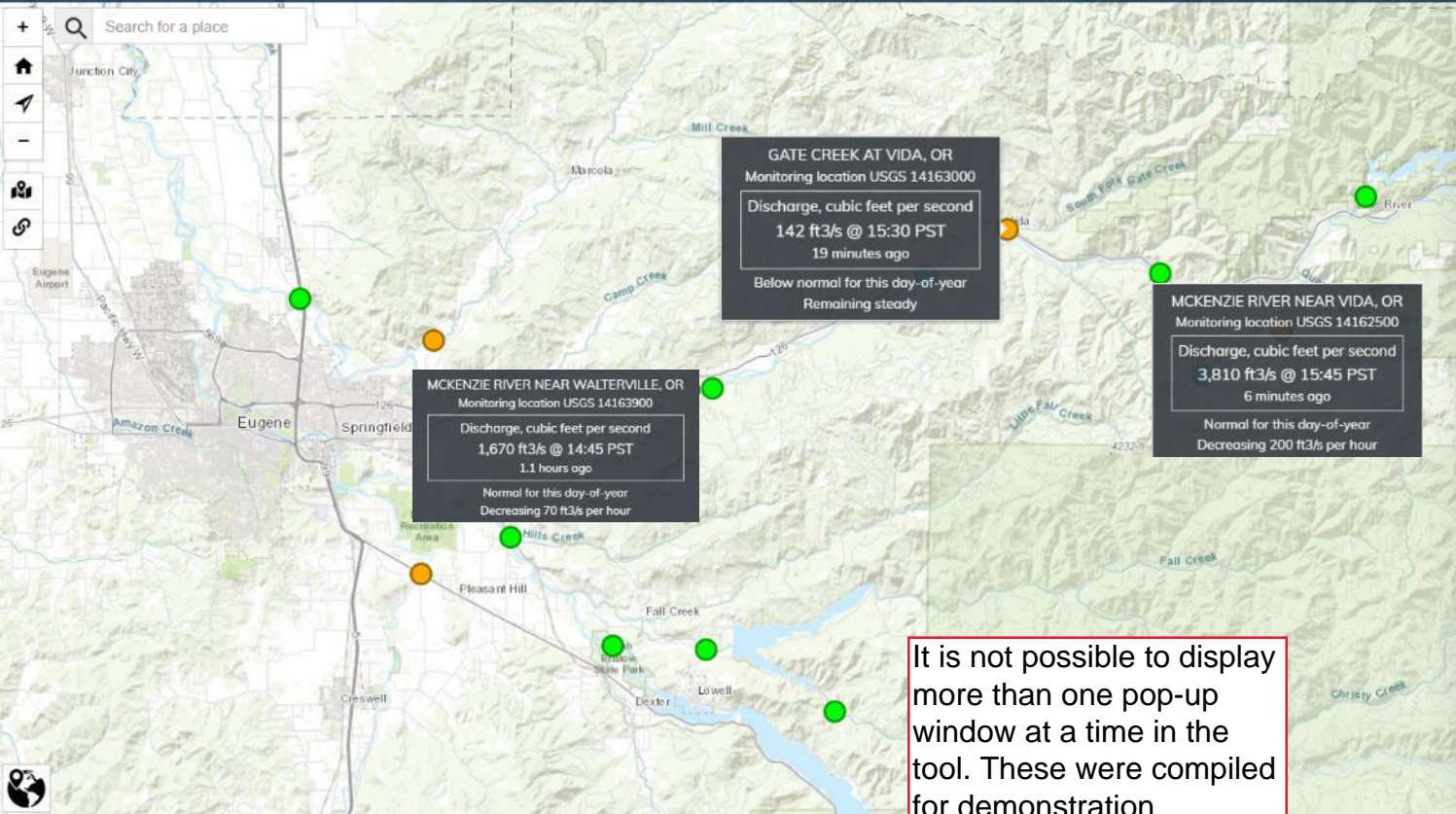
Desktop

Mobile





# DEMO



**Streamflow: Status**

- Above flood stage
- All-time high for this day: 100<sup>th</sup> percentile (maximum)
- Much above normal: >90<sup>th</sup> percentile
- Above normal: 76<sup>th</sup> - 90<sup>th</sup> percentile
- Normal: 25<sup>th</sup> - 75<sup>th</sup> percentile
- Below normal: 10<sup>th</sup> - 24<sup>th</sup> percentile
- Much below normal: <10<sup>th</sup> percentile
- All-time low for this day: 0<sup>th</sup> percentile (minimum)
- Not flowing
- Not ranked
- Measurement flag
- Recent measurement unavailable

**Comments:** Marker color indicates the current streamflow condition. Categories are based on the percentile of existing streamflow records on this day-of-the-year. A streamgage is not ranked when there is less than 10 years of record or a current streamflow value is unavailable. Flood stages are maintained by the National Weather Service (NWS) and are not established for all USGS streamgages.

**Data Source:** USGS Water Data for the Nation

Scale: 375,564, Lat: 44.1426, Lon: -122.5717

TIP - Click streamflow stations to

It is not possible to display more than one pop-up window at a time in the tool. These were compiled for demonstration purposes.



# DEMO

**USGS** National Water Dashboard

Overview Layers 1 Legend 2 Tools

Search for a place

**GATE CREEK AT VIDA, OR**  
Monitoring location USGS 14163000  
Gage height, feet  
1.59 ft @ 14:30 PST  
47 minutes ago  
Decreasing 0.01 ft per hour

**MCKENZIE RIVER NEAR WALTERVILLE, OR**  
Monitoring location USGS 14163900  
Gage height, feet  
1.75 ft @ 15:45 PST  
17 minutes ago  
Decreasing 0.01 ft per hour

**MCKENZIE RIVER NEAR VIDA, OR**  
Monitoring location USGS 14162500  
Gage height, feet  
2.19 ft @ 15:45 PST  
17 minutes ago  
Decreasing 0.08 ft per hour

Same stations as previous page, but showing gage height from the Surface-water layer.

Layers

- USGS Stations 1
- STREAMFLOW
- SURFACE-WATER LEVELS 243
- Streams
- ON
- Station Summary
- GROUNDWATER LEVELS
- SPRING WATER LEVELS
- WATER QUALITY
- RAINFALL
- ATMOSPHERIC
- Weather Conditions
- Hydrology
- Base Map

Privacy Policy | Legal | Accessibility | Site Map | Contact USGS | USGS Provisional Statement  
U.S. Department of the Interior | DOI Inspector General | White House | E-Gov | USA.gov | No FEAR Act Data | FOIA

Federal Data Sources Include USGS NIDIS

FAQ Feedback



# DEMO

**USGS** National Water Dashboard

Overview Layers 1 Legend 2 Tools

Search for a place

USGS Stations 1

- STREAMFLOW
- SURFACE-WATER LEVELS 276**

All station types

ON

Station Summary

- GROUNDWATER LEVELS
- SPRING WATER LEVELS
- WATER QUALITY
- RAINFALL
- ATMOSPHERIC

Weather Conditions

Hydrology

Base Map

Scale 375564 Lat 43.9444 Lon -122.7560

10 km

Privacy Policy | Legal | Accessibility | Site Map | Contact USGS | USGS Provisional Statement

U.S. Department of the Interior | DOI Inspector General | White House | E-Gov | USA.gov | No FEAR Act Data | FOIA

Federal Data Sources Include USGS NIDIS

FAQ Feedback

**FALL CREEK LAKE NEAR LOWELL, OR**  
Monitoring location USGS 14150900  
Lake or reservoir water surface elevation above NGVD 1929, feet  
700.59 ft @ 15:00 PST  
17 minutes ago  
Remaining steady

**"All station types"**  
in the Surface-Water Levels layer.  
In this example lake stations are shown as squares.

# DEMO

**USGS** National Water Dashboard

Overview Layers Legend Tools

Search for a place

**GATE CREEK AT VIDA, OR**  
Monitoring location USGS 14163000  
Temperature, water, degrees Celsius  
7.1 deg C @ 15:30 PST  
24 minutes ago  
Increasing 0.4 deg C per hour

**MCKENZIE RIVER NEAR VIDA, OR**  
Monitoring location USGS 14162500  
Temperature, water, degrees Celsius  
6.4 deg C @ 15:45 PST  
15 minutes ago  
Increasing 0.4 deg C per hour

Layers

- USGS Stations
- STREAMFLOW
- SURFACE-WATER LEVELS 276
- GROUNDWATER LEVELS
- SPRING WATER LEVELS
- WATER QUALITY 135

Water temperature

ON

Station Summary

- RAINFALL
- ATMOSPHERIC
- Weather Conditions
- Hydrology
- Base Map

Scale 375,564 | Lat 44.1463 | Lon -122.5734

10 km

5 mi

Privacy Policy | Legal | Accessibility | Site Map | Contact USGS | USGS Provisional Statement

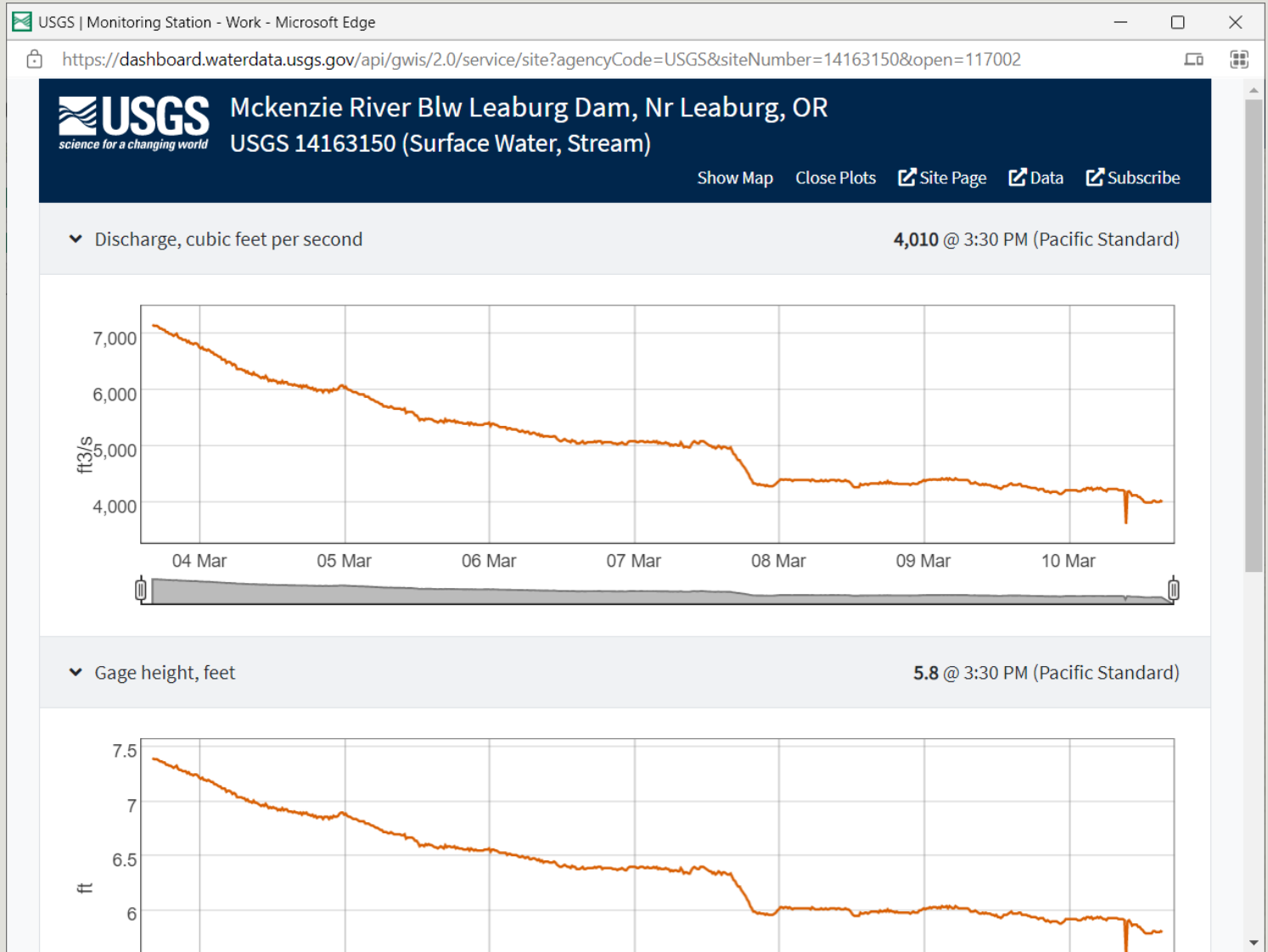
U.S. Department of the Interior | DOI Inspector General | White House | E-Gov | USA.gov | No FEAR Act Data | FOIA

Federal Data Sources Include USGS NIDIS

FAQ Feedback



# DEMO



[USGS | McKenzie Rivr Blw Leaburg Dam near Leaburg, OR](#)



# MCKENZIE RIVER BLW LEABURG DAM, NR LEABURG, OR



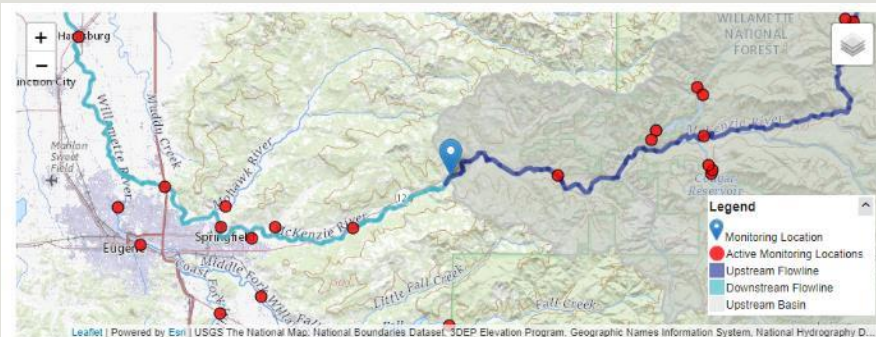
**IMPORTANT** [Legacy real-time page](#) ⓘ

Monitoring location 14163150 is associated with a STREAM in LANE COUNTY, OREGON. Current conditions of DISCHARGE, GAGE HEIGHT, SPECIFIC CONDUCTANCE, and MORE are available. Water data back to 1989 are available online.

7 days  30 days  1 year

Change time span

Retrieve data



[About the Network-Linked Data Index \(NLDI\)](#)

Affiliated Networks **BETA**

[NWIS Monitoring Locations](#)  
[Real-Time Surface Water Network](#)

Operated in cooperation with:



[Eugene Water & Electric Board](#)

The inset window shows this station's detail page.

The screenshot displays the USGS National Water Dashboard interface. At the top left is the USGS logo and the text "National Water Dashboard". A search bar is present with the placeholder "Search for a place". The main map area shows a topographic view of the Dexter Lake region in Oregon, with labels for "Dexter Lake", "Dexter", "Lowell", and "Elijah Bristow State Park". A dark grey inset window is overlaid on the map, providing the following information:

- DEXTER LAKE AT DEXTER, OR
- Monitoring location USGS 14149500
- Lake or reservoir water surface elevation above NGVD 1929, feet
- 692.91 ft @ 13:10 PDT
- 16 minutes ago
- Decreasing 0.2 ft per hour

On the right side, a "Layers" panel is visible, showing a dropdown menu for "SURFACE-WATER LEVELS" with 31 items. The "Lakes" layer is currently selected and highlighted in blue. Other visible layers include "STREAMFLOW", "NWS flood status", "Flooding", "Rising and falling", "Streams", "Estuaries", "Wetlands", "Tidally influenced", and "All station types".

Below the map, a detailed view for "Dexter Lake At Dexter, OR" (USGS 14149500) is shown. It includes a title bar with the USGS logo and the station name, and a sub-header "USGS 14149500 (Surface Water, Lake, Reservoir, Impoundment)". Below this, there are links for "Show Map", "Close Plots", "Site Page", "Data", and "Subscribe". The main content area features a line graph titled "Lake or reservoir water surface elevation above NGVD 1929, feet" with a current value of "692.91 @ 1:10 PM (Pacific Daylight)". The graph shows a fluctuating orange line representing the water level over time, with the x-axis labeled from "08 Mar" to "14 Mar".

At the bottom of the dashboard, there is a footer with links for "Privacy Policy", "Legal", "Accessibility", "Site Map", "Contact USGS", and "USGS Provisional Statement", along with "U.S. Department of the Interior", "DOI Inspector General", "White House", "E-Gov", "USA.gov", "No FEAR Act Data", and "FOIA".

DEMO



# Middle Fork Willamette River Near Dexter, OR

USGS 14150000 (Surface Water, Stream)

Show Map Open Plots Site Page Data Subscribe

Discharge, cubic feet per second

1,280 @ 1:20 PM (Pacific Daylight)



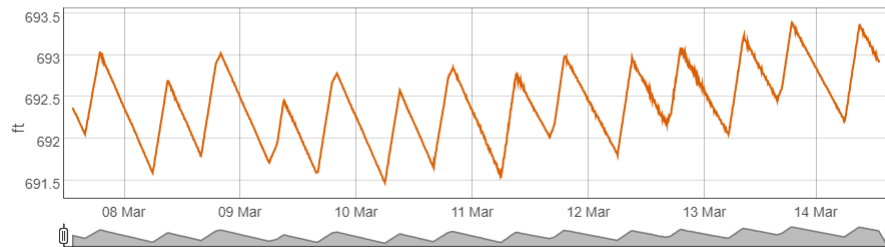
# Dexter Lake At Dexter, OR

USGS 14149500 (Surface Water, Lake, Reservoir, Impoundment)

Show Map Close Plots Site Page Data Subscribe

Lake or reservoir water surface elevation above NGVD 1929, feet

692.91 @ 1:10 PM (Pacific Daylight)



You can open multiple detail station pages simultaneously. In this example Dexter lake's level and its downstream outflow in the MF Willamette.





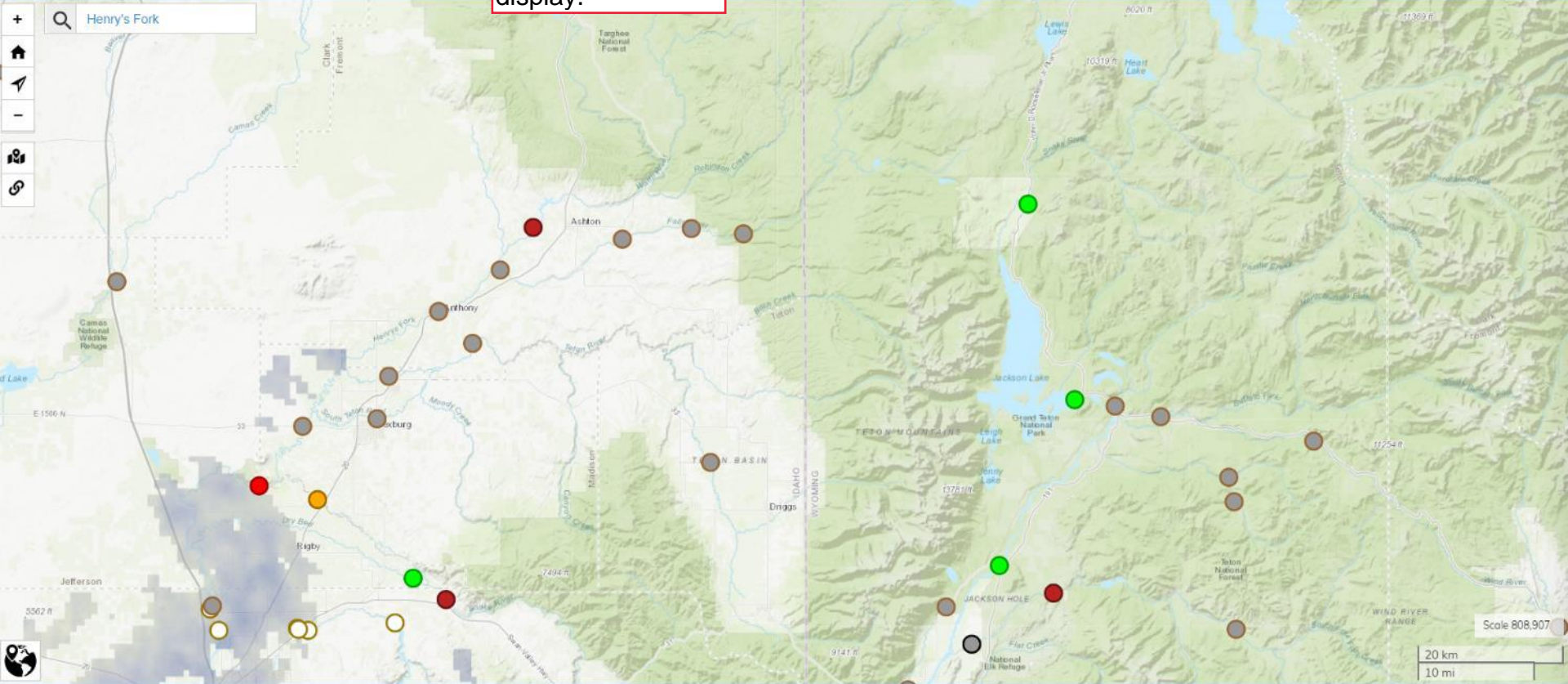
# DEMO

Viewing another geographic area.

The screenshot displays the USGS National Water Dashboard interface. At the top left, the USGS logo and the text "National Water Dashboard" are visible. A search bar with the placeholder "Search for a place" is located below the logo. The main map area shows a topographic view of a region including Warm Springs Reservation, Warm Springs, Madras, and The Cove Palisades State Park. Several monitoring stations are marked with colored dots (green, red, orange, cyan) on the map. On the right side, a "Layers" panel is open, showing "USGS Stations" with a "STREAMFLOW" layer selected and a value of 204. Below this, there are controls for "Status" (set to ON) and a "Station Summary" dropdown. A list of data categories is shown, including SURFACE-WATER LEVELS, GROUNDWATER LEVELS, SPRING WATER LEVELS, WATER QUALITY, RAINFALL, and ATMOSPHERIC. "Weather Conditions" is also visible. At the bottom of the dashboard, there are links for Privacy Policy, Legal, Accessibility, Site Map, Contact USGS, and USGS Provisional Statement. Social media icons for Twitter, Facebook, YouTube, and Instagram are present, along with "FAQ" and "Feedback" buttons. The footer includes logos for USGS, NIDIS, and the U.S. Department of the Interior.

# DEMO

"Henry's Fork" in the search box brought up this display.





Glacier National Park search.

**USGS** National Water Dashboard

Overview Layers 2 Legend 3 Tools

Search: Glacier National Park

3 Results

- Counties & Political Divisions
- Glacier National Park Division  
Flathead County, MT
- Glacier National Park Division  
Glacier County, MT
- Parks
- Glacier National Park  
Flathead County, MT

**M F FLATHEAD RIVER NEAR WEST GLACIER MT**  
Monitoring location USGS 12358500

Discharge, cubic feet per second  
1,900 ft<sup>3</sup>/s @ 16:45 MST  
38 minutes ago

Much above normal for this day-of-year  
Remaining steady

Scale 2,311,162. Lot 48.4976 Lon -114.0271

50 km 50 mi Falls

Privacy Policy | Legal | Accessibility | Site Map | Contact USGS | USGS Provisional Statement  
U.S. Department of the Interior | DOI Inspector General | White House | E-Gov | USA.gov | No FEAR Act Data | FOIA

Federal Data Sources Include USGS NIDIS

Facebook Twitter YouTube Instagram FAQ Feedback



# Further Information

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What Does a USGS Hydrologic Technician Do to Inspect Streamgages? -

<https://www.youtube.com/watch?v=UQIBR5vbqyw>

How does a USGS Streamgage Work -

<https://pubs.usgs.gov/fs/2011/3001/pdf/fs2011-3001.pdf>

Water Data for the Nation - <https://waterdata.usgs.gov/nwis>

# Acknowledgments

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Network Operations Management System (NOMS) Team

USGS Water Mission Area

Oklahoma-Texas Water Science Center

Oregon Water Science Center

Integrated Information Dissemination Division (I<sup>2</sup>D<sup>2</sup>)



# Questions

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