

U.S. Geological Survey Groundwater Climate Response Network

2023

As of October 2023, the U.S. Geological Survey (USGS) operated more than 660 sites across the United States and its territories as part of the Groundwater Climate Response Network (CRN). The CRN is comprised of wells and springs selected to monitor the effects of climate variability, such as droughts, on groundwater levels and spring discharge nationwide. The CRN includes more than 550 locations with real-time data and more than 100 sites with non-real-time data available to the public on the [CRN web mapper](#) and the [USGS National Water Dashboard](#).

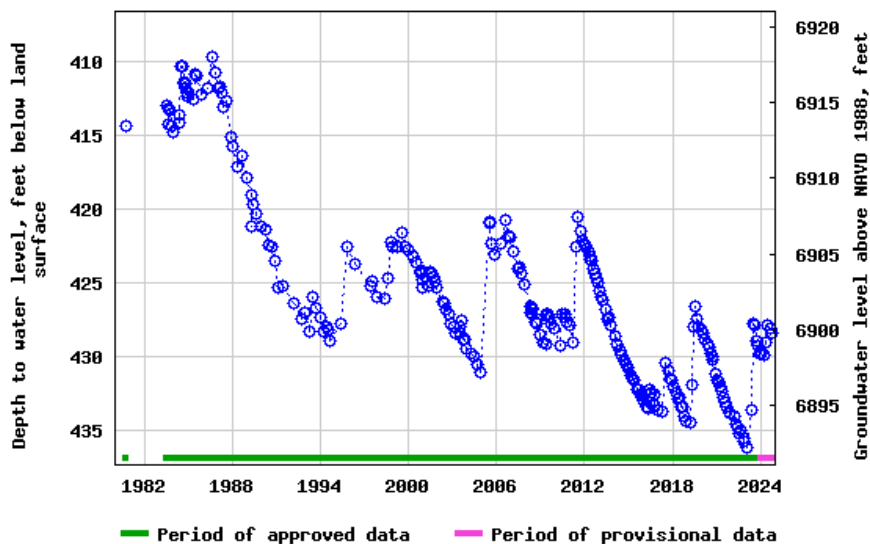


USGS hydrologist measures a groundwater level at a Climate Response Network monitoring well in the Blackfeet Reservation, Montana USGS station (484047112353301). Photograph by Rodney R. Caldwell, USGS.

Climate Response Network monitoring well in Beaverhead County, Montana (USGS station 450524112380701). Photograph by Rodney R. Caldwell, USGS, July 2020.

USGS staff regularly measure discharge in springs and the depth to groundwater, as shown in the picture to the lower left, to collect discrete information and verify the continuous data record (at minimum one reading per hour) which is available at the [National Water Dashboard](#).

USGS 385521114503601 179 N12 E63 12AB 1 USGS - S Steptoe MX Well



Groundwater hydrograph from a Climate Response Network well in White Pine County, Nevada (USGS station 385521114503601), January 25, 2024.

256

Climate Response Network sites fully funded by the USGS Groundwater and Streamflow Information Program

408

Supplemental Climate Response Network sites monitored in cooperation with State, Local, Regional, Tribal, or other Federal partners

For more information about the U.S. Geological Survey Water Monitoring Networks: Visit <https://www.usgs.gov/mission-areas/water-resources/observing-systems-division> Contact the [National Groundwater Networks Coordinator](#)