

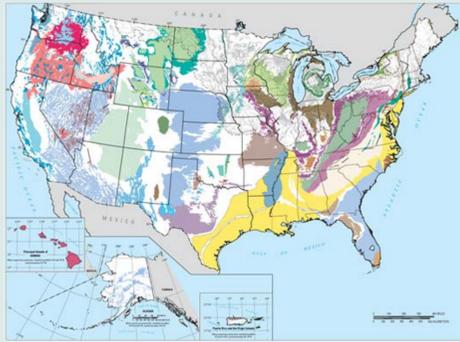


National Ground-Water Monitoring Network



Advisory Committee on Water Information– Subcommittee on Ground Water

What is the NGWMN?

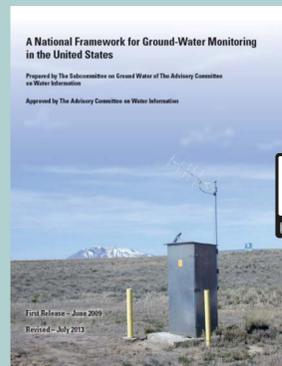


- The purpose of the National Ground-Water Monitoring Network (NGWMN) is to provide groundwater data to help answer regional and national groundwater questions

For more information about the NGWMN, Contact Daryll Pope: dpope@usgs.gov, (609) 771-3933 or visit the NGWMN Web Page at: <https://cida.usgs.gov/ngwmn/>

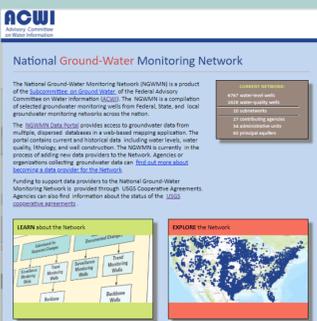


How is it designed?



- The Network focuses on Principal and major aquifers
- Includes selected wells and springs that are part of long-term networks
- The Network is composed of sites with either water-level or water-quality data
- Data providers are the local experts who select and classify sites for the Network
- Design is described in the document 'A National Framework for Ground-Water Monitoring in the United States'

Who is providing data?



- The NGWMN is a collaborative Network with many data providers
- Data providers can be federal agencies, tribes, state or local agencies, or any organization that collects groundwater data
- Information on current data providers is available in the "Learn About the Network" section of the NGWMN web site on the "Data Providers" tab



How can I become a data provider?

- State or local agencies can receive funding to become a data provider
- This involves setting up the data exchange and selecting and classifying sites
- Funding is provided through Cooperative Agreements administered by the USGS
- Applications are solicited in the fall through Grants.gov
- Information is available on the 'Cooperative Agreements' section of the NGWMN web site.
- Private companies, organizations, or others can become a data provider, but no funding is available.
- If interested, contact Daryll Pope (dpope@usgs.gov)



How can I access the data?

The map interface is available in the 'Explore the Network' section of the NGWMN web page



The screenshot displays the NGWMN web interface. On the left, there's a sidebar with filters for 'Principal Aquifer', 'Available Data', 'Site Type', 'State and County', and 'Contributing Agency'. The main area shows a map of the United States with numerous monitoring sites marked. A red arrow points from a site on the map to a detailed view of site MBMG-129117. This view includes a 'SUMMARY' tab with the following information:

- Agency: Montana Bureau of Mines and Geology
- Site Name: MBMG-129117
- Site #: 129117
- Site Type: WELL
- Lat/Long(NAD83): 46.4568, -110.9735
- Well Depth: 158 ft
- Local Aquifer Name: 120SDMS SEDIMENTS (TERTIARY)
- National Aquifer Name: Northern Rocky Mountains Intermontane Basins aquifer systems
- Aquifer Type: CONFINED
- Water Level Network: Trend - Background
- Water Quality Network: log10.2834262

Below the summary is a 'WATER LEVELS' tab showing a line graph of 'Depth to water, feet below land surface' from 2000 to 2018. The graph shows a general downward trend with some fluctuations. To the right of the graph, a table lists 'Number of Measurements: 88', 'Period of Record: 1996-07-22 - 2018-04-16', 'Highest Water Level: 63.257000', and 'Lowest Water Level: 84.487000'. Below the graph is a table of 'WATER QUALITY' data with columns for Sample Time, Original Val., Original Accuracy, Accura., Data Provide., Depth to water, feet below lan., and Water level in feet relative to... The table contains several rows of data points.

At the bottom right, there's a 'Site Selection - 13 sites selected' table with columns for Site Name, Agency, WL, WQ, and Log. It lists various MBMG sites with checkboxes for selection. Below this is a 'Download Data' section with options for 'Download Options', 'Select data range', 'Select file type', and 'Select data types'.