

State-wide/Regional Ground Water Level Monitoring Networks

1 For what state, do your responses apply?



2 Please consider throughout the survey that (1) the interest is in identifying monitoring networks that are NOT targeted to known contaminated sites, e.g. Superfund sites and (2) the term "regional" is meant to refer to monitoring networks that cover large, multi-county areas within a state. Given points 1 and 2, does your state have: (check all that apply)

- A state-wide ground water level monitoring network
- A state-wide ground water level monitoring network is being considered for development
- There was a state-wide ground water level monitoring network in the past, but it is no longer active
- Do not know if there is a state-wide ground water level monitoring network
- No state-wide ground water level monitoring network
- One or more regional (large, multi-county area within the state) ground water level monitoring networks
- One or more regional (large, multi-county area within the state) ground water level monitoring networks are being considered for development
- There were one or more regional (large, multi-county area within the state) ground water level monitoring networks in the past, but they are no longer active
- Do not know if there are regional (large, multi-county area within the state) ground water level monitoring networks
- No regional (large, multi-county area within the state) ground water level monitoring networks
- An interstate ground water level monitoring network, a portion of which is in the state
- Other, please specify

3 Please select one from the following list. Then answer questions 4 through 24 based on the specific network you selected. If you are responsible for both a state-wide and regional ground water level monitoring network and do not have time to take the survey twice to cover both, we ask that you complete the survey for the state-wide network.

- State-wide ground water level monitoring network
- Regional (large, multi-county area within the state) ground water level monitoring network

Other, please specify

4 Please indicate whether the existing state-wide/regional ground water level monitoring network IS INTENDED TO provide ground water level data to answer the following questions: (check all that apply)

- How effective are ground water management programs in managing ground water withdrawals?
- What are the trends in ground water levels over time?
- What are the effects of drought/climate change?
- How/why do ground water levels change over time?
- What is the current background (ambient) ground water level condition?
- What are the impacts to ground water levels due to over-pumping of aquifers?
- What is the age of ground water within an aquifer?
- What is the ground water quantity contribution to surface water, and vice versa?
- What type(s) of uses (e.g. domestic, irrigation, livestock, industrial, etc.) is ground water suitable for?
- How much ground water is currently being used?
- Other, please specify

5 Please indicate whether the existing state-wide/regional ground water level monitoring network COULD BE USED to answer the following questions: (check all that apply)

- How effective are ground water management programs in managing ground water withdrawals?
- What are the trends in ground water levels over time?
- What are the effects of drought/climate change?
- How/why do ground water levels change over time?
- What is the current background (ambient) ground water level condition?
- What are the impacts to ground water levels due to over-pumping of aquifers?
- What is the age of ground water within an aquifer?
- What is the ground water quantity contribution to surface water, and vice versa?
- What type(s) of uses (e.g. domestic, irrigation, livestock, industrial, etc.) is ground water suitable for?
- How much ground water is currently being used?

Other, please specify

6 Who manages the state-wide/regional ground water level monitoring network? (check all that apply)

- Department of Environmental Protection/Environmental Quality
- Department of Natural Resources
- Department of Water Resources
- State Engineer's Office
- State Geological Survey
- Regional or local government agency
- Do not know
- No state-wide/regional ground water level monitoring network
- Other, please specify

7 How is the state-wide/regional ground water level monitoring network funded?

- Mostly federal funds
- Mostly state and/or county and/or local government funds
- About 50-50 federal and state
- Do not know
- No state-wide/regional ground water level monitoring network
- Other, please specify

8 Is the state-wide/regional ground water level monitoring network designed based on: (check all that apply)

- Aquifer based
- Watershed based
- Based on physiography
- Based on political subdivisions of the state
- Do not know
- No state-wide/regional ground water level network
- Other, please specify

9 What wells or other observation points are used for the state-wide/regional ground water level monitoring network? (check all that apply)

- Dedicated water level monitoring wells
- Domestic wells or other private wells
- Irrigation wells
- Public water supply wells
- Remote sensing devices
- Springs
- Stream baseflow measurements
- Unused water quality monitoring wells
- Do not know
- No state-wide/regional ground water level monitoring network
- Other, please specify

10 (NOTE: Questions 10-17 are designed to determine the number of wells or observation points in your network, the frequency of measurement, and the length of available historic record. Please respond with that in mind.) Responses for TOTAL WELLS OR OBSERVATION POINTS IN YOUR NETWORK:

Total wells or
observation points
measured
Total wells or
observation points
with at least 5
years of
measurements

11 Responses for WELLS OR OBSERVATION POINTS MEASURED AT LEAST ONCE PER YEAR:

Total wells or
observation points
measured
Total wells or
observation points
measured with at
least 5 years of
measurements

12 Responses for WELLS OR OBSERVATION POINTS MEASURED AT LEAST TWICE PER YEAR (SEMI-ANNUAL):

Total wells or

observation points measured
Total wells or observation points with at least 5 years of measurements

13 Responses for WELLS OR OBSERVATION POINTS MEASURED AT LEAST 4 TIMES PER YEAR (QUARTERLY):

Total wells or observation points measured
Total wells or observation points with at least 5 years of measurements

14 Responses for WELLS OR OBSERVATION POINTS MEASURED AT LEAST MONTHLY:

Total wells or observation points measured
Total wells or observation points with at least 5 years of measurements

15 Responses for WELLS OR OBSERVATION POINTS MEASURED AT LEAST WEEKLY:

Total wells or observation points measured
Total wells or observation points with at least 5 years of measurements

16 Response for WELLS OR OBSERVATION POINTS MEASURED AT LEAST DAILY (INSTRUMENTED):

Total wells or observation points measured
Total wells or observation points with at least 5 years of measurements

17 Responses for WELLS OR OBSERVATION POINTS MEASURED AT LEAST DAILY, AND AVAILABLE IN "REAL TIME":

Total wells or observation points measured

Total wells or observation points with at least 5 years of measurements

18 Who collects ground water level data for the state-wide/regional ground water level monitoring network? (check all that apply)

- State government employees
- Regional or local government employees
- Water providers
- Volunteers
- Homeowners
- USGS staff
- Do not know
- No state-wide/regional ground water level monitoring network
- Other, please specify

19 What information is typically available for wells or observation points in the state-wide/regional ground water level monitoring network? (check all that apply)

- Well number/name
- County code
- Latitude/Longitude
- Source of coordinates
- Owner
- Driller
- Aquifer code
- Land surface elevation
- Method of measuring elevation
- User code
- Date drilled
- Land use in the area

- Weather/climate at time of sampling
- Well type
- Well depth
- Source of depth
- Type of pump
- Type of power for the pump
- Pump horsepower
- Primary water use
- Secondary water use
- Tertiary water use
- Water level available
- Water quality available
- Measuring point information
- Well log available
- Construction method
- Completion method
- Screen material
- Depth of open or screened interval
- Casing material
- Casing depths
- Casing diameter
- Do not know
- No state-wide/regional ground water level monitoring program
- Other, please specify

20 The written Standard Operating Procedures (SOP's) used for FIELD DATA COLLECTION for the state-wide/regional ground water level monitoring network were developed by: (check all that apply)

- State government
- Regional or local government
- U.S. EPA
- U.S. Geological Survey
- American Society for Testing and Materials (ASTM)
- Under development by the state
- Under development by regional or local government
- No written SOP's for data collection

- Do not know
- No state-wide/regional ground water level monitoring network
- Other, please specify

21 The written Standard Operating Procedures (SOP's) used for DATA MANAGEMENT AND STORAGE for the state-wide/regional ground water level monitoring network were developed by: (check all that apply)

- State government
- Regional or local government
- U.S. EPA
- U.S. Geological Survey
- American Society for Testing and Materials (ASTM)
- Under development by the state
- Under development by regional or local government
- No written SOP's for data management and storage
- Do not know
- No state-wide/regional ground water level monitoring network
- Other, please specify

22 Are the data collected for the state-wide/regional ground water level monitoring network routinely entered/maintained in a computer data base?

- Yes
- No
- Some
- Do not know
- No state-wide/regional ground water level monitoring network
- Other, please specify

23 Are the data available on a website accessible to the public?

- a. Yes, all data
- b. No
- c. Data for some wells are available on the Internet
- d. Data are available, but access is restricted to certain people

- d. Do not know
- e. No state-wide/regional ground water level monitoring network
- If available, please provide Website address

24 If you are NOT the contact person for additional information on the state-wide/regional ground water level monitoring network, please provide his/her contact information below.

Name	<input type="text"/>
Agency	<input type="text"/>
Phone	<input type="text"/>
Email	<input type="text"/>

25 Contact information for the person completing this survey.

Name	<input type="text"/>
Agency	<input type="text"/>
Address	<input type="text"/>
City	<input type="text"/>
State	<input type="text"/>
Zip	<input type="text"/>
Phone	<input type="text"/>
Email	<input type="text"/>

26 Are you aware of other individuals who may be able to provide information on other ground water level monitoring programs in your state, either state-wide or regional? If so, please provide name and contact information.

Name	<input type="text"/>
Agency	<input type="text"/>
Phone	<input type="text"/>
Email	<input type="text"/>

27 Please share any additional comments on state-wide or regional ground water level monitoring networks in your state?

