Water Resource Specialist
(11-9121.00)

At-a-Glance Statistics

Sample Job Titles
Hydrogeologist; National Stormwater Leader; Owner, Consulting Engineer; Owner, Professional Engineer; Research Hydraulic Engineer; Senior Group Manager; Senior Hydrogeologist; Senior Water Resources Engineer; VP-Senior Principal Water Resources Engineer; Water Resources Business Segment Leader

Key Tasks
- Perform hydrologic, hydraulic, or water quality modeling.
- Conduct, or oversee the conduct of, investigations on matters such as water storage, wastewater discharge, pollutants, permits, or other compliance and regulatory issues.
- Develop plans to protect watershed health or rehabilitate watersheds.
- Develop strategies for watershed operations to meet water supply and conservation goals or to ensure regulatory compliance with clean water laws or regulations.
- Identify and characterize specific causes or sources of water pollution.
- Write proposals, project reports, informational brochures, or other documents on wastewater purification, water supply and demand, or other water resource subjects.
- Conduct, or oversee the conduct of, chemical, physical, and biological water quality monitoring or sampling to ensure compliance with water quality standards.
- Conduct technical studies for water resources on topics such as pollutants and water treatment options.
- Recommend new or revised policies, procedures, or regulations to support water resource or conservation goals.
- Monitor water use, demand, or quality in a particular geographic area.
- Compile water resource data, using geographic information systems (GIS) or global position systems (GPS) software.
- Develop or implement standardized water monitoring and assessment methods.

**Education and Training**

<table>
<thead>
<tr>
<th>Degree Type</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor’s Degree</td>
<td>55%</td>
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<tr>
<td>Master’s Degree</td>
<td>41%</td>
</tr>
<tr>
<td>Post-baccalaureate certificate</td>
<td>3%</td>
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**Median Wages**

<table>
<thead>
<tr>
<th>Type</th>
<th>Hourly</th>
<th>Annually</th>
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<tbody>
<tr>
<td>Pay</td>
<td>$59.55</td>
<td>$123,860</td>
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</tbody>
</table>

**Top Industries**

- Government
- Professional, Scientific, and Technical Services

**Number Employed**

- 64,000 positions
- 6,100 job openings

**Top Ten States for Occupational Percentage Growth**

1. UT 34%
2. AZ 21%
3. MO 21%
4. NC 20%
5. FL 19%
6. WA 18%
7. SC 17%
8. TX 16%
9. NY 16%
10. CO 15%