

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



Bachelor's Degree

55%



Master's Degree

41%



Post-baccalaureate certificate

3%

Top Industries



Government

Professional, Scientific, and Technical Services

Number Employed



64,000 positions

6,100 job openings

Median Wages



Hourly

\$59.55



Annually

\$123,860

Top Ten States for Occupational Percentage Growth

