Hydrologist (19-2043.00)

At-a-Glance Statistics

GREEN JOBS   BRIGHT OUTLOOK

Sample Job Titles

Environmental Consultant, Groundwater Consultant, Groundwater Programs Director, Hydrogeologist, Hydrologist, Physical Scientist, Research Hydrologist, Scientist, Source Water Protection Specialist, Water Resources Program Director

Key Tasks

- Design and conduct scientific hydrogeological investigations to ensure that information is available for use in water resource management decisions
- Measure and graph phenomena such as lake levels and stream flows
- Promote the conservation and preservation of water resources
- Study public water supply issues, including flood and drought risks, water quality, wastewater, and impacts on wetland habitats
- Apply research findings to help minimize the environmental impacts of pollution, waterborne diseases, erosion, and sedimentation
- Study and document quantities, distribution, disposition, and development of underground and surface waters
- Install, maintain, and calibrate instruments hat monitor water levels, rainfall, and sediments
- Study and analyze the physical aspects of the earth in terms of hydrological components, including atmosphere, hydrosphere, and interior structure
- Evaluate research data in terms of its impact on issues such as soil and water conservation, flood control planning, and water supply forecasting
- Collect and analyze water samples as part of field investigations
- Evaluate data and provide recommendations regarding the feasibility of municipal projects, such as hydroelectric power plants, irrigation systems, flood warning systems, and waste treatment facilities
- Conduct climate assessments and study storm occurrences

Education and Training

Master's Degree
52%

Post-Bachelor's Certificate
39%

Bachelor's Degree
4%

Median Wages

Hourly
$38.16

Annually
$79,370

Top Industries

Government

Professional, Scientific, and Technical Services

Employment Projection

7,000 positions

800 job openings

Top Ten States for Occupational Percentage Growth

State	Growth
UT	57%
CO	22%
FL	21%
WA	18%
TX	17%
MO	14%
MT	14%
AZ	13%
ID	11%
ND	10%