



Hydrologist III

Salary Group: B21

Class Code: 2464

<u>CLASS TITLE</u>	<u>CLASS CODE</u>	<u>SALARY GROUP</u>	<u>SALARY RANGE</u>
HYDROLOGIST I	2456	B17	\$36,976 - \$58,399
HYDROLOGIST II	2460	B19	\$42,244 - \$68,960
HYDROLOGIST III	2464	B21	\$48,278 - \$78,953
HYDROLOGIST IV	2465	B23	\$55,184 - \$90,393
HYDROLOGIST V	2466	B25	\$63,104 - \$103,491

GENERAL DESCRIPTION

Performs highly complex (senior-level) hydrological work. Work involves coordinating the collection and analysis of data and samples, preparing reports, conducting inspections and ecological or environmental impact studies, and ensuring compliance with applicable statutes and regulations. May supervise the work of others. Works under limited supervision, with considerable latitude for the use of initiative and independent judgment.

EXAMPLES OF WORK PERFORMED

Coordinates the collection and analysis of water samples as part of field investigations and validates data from automatic monitors.

Conducts inspections and evaluates data for compliance with laws, regulations, and specifications.

Studies and documents quantities, distribution, disposition, and development of underground and surface waters.

Coordinates the execution of technical projects and design preparation, plans, estimates, and calculations.

Coordinates and evaluates the collection of chemical, physical, biological, and hydrological data for use in water quality, water resource management, ecological risk assessments, and the development of program or project recommendations.

Conducts scientific hydrogeological investigations to ensure that accurate and appropriate information is available for use in water resource management decisions.

Analyzes and interprets environmental data to determine existing conditions, long-term trends, compliance with quality assurance requirements and permitting standards, and environmental impact.

Researches public water supply issues, including flood and drought risks, water quality, wastewater, and impacts on wetland habitats.

Researches laws and policies and delivers responses to the public and governmental agencies.

Reviews the activities of contractors, operators, or civic authorities.

Prepares and presents technical evaluations, plans, and reports.

May develop or use hydrologic models for application.

May supervise the work of others.

Performs related work as assigned.

GENERAL QUALIFICATION GUIDELINES

EXPERIENCE AND EDUCATION

Experience in hydrological work. Graduation from an accredited four-year college or university with major coursework in hydrology or a related field is generally preferred. Experience and education may be substituted for one another.

KNOWLEDGE, SKILLS, AND ABILITIES

Knowledge of hydrological principles, techniques, and procedures; of mathematics and statistics; and of the practical application of hydrology, water quality, and water management technologies.

Skill in scientific data management, in collecting and assessing hydrological data, in applying modeling and statistical procedures, in the use of a computer and applicable software, and in the use of standard tools of the profession.

Ability to plan and coordinate projects, to conduct inspections, to apply hydrological concepts, to communicate effectively, and to supervise the work of others.