



# Hydrologist V

Salary Group: B25

Class Code: 2466

<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
<b>HYDROLOGIST V</b>	<b>2466</b>	<b>B25</b>	<b>\$63,104 - \$103,491</b>

## GENERAL DESCRIPTION

Performs highly advanced (senior-level) hydrological work. Work involves overseeing the execution of technical projects, overseeing inspections and ecological or environmental impact studies, and ensuring compliance with applicable statutes and regulations. May supervise the work of others. Works under minimal supervision, with extensive latitude for the use of initiative and independent judgment.

## EXAMPLES OF WORK PERFORMED

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

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

Oversees and monitors studies on quantities, distribution, disposition, and development of underground and surface waters.

Oversees 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; and ensures that quality control standards are met.

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

Coordinates the evaluation and analysis of water samples as part of field investigations and/or to validate data from automatic monitors.

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

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

Interprets and researches laws, regulations, and policies; and delivers written and verbal responses to the public and other governmental agencies.

Reviews and monitors the activities of contractors, operators, and civic authorities.

Prepares and presents technical evaluations, plans, and reports on programs and complex issues.

Develops or uses 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, coordinate, and oversee projects; to conduct inspections; to apply hydrological concepts; to communicate effectively; and to supervise the work of others.