



SENIOR ENGINEERING GEOLOGIST

Exam Code:8PB71

Department: State Water Resources Control Board

Exam Type: Departmental

Final Filing Date: Continuous

CLASSIFICATION DETAILS

Senior Engineering Geologist – \$10,311.00 - \$12,905.00 per month.

View the [classification specification](#) for the Senior Engineering Geologist classification.

APPLICATION INSTRUCTIONS

Final Filing Date: Continuous **Who**

Should Apply:

Applicants who meet the minimum qualifications as stated on this bulletin may apply for and take this examination.

Once you have taken this examination, you may not retake it for six (6) months.

How To Apply:

The link to connect to the Training and Experience Evaluation is located farther down on this bulletin in the “Taking the Exam” section.

Special Testing Arrangements:

If you require assistance or alternative testing arrangements due to a disability, please contact the testing department listed in the Contact section of this bulletin.

MINIMUM QUALIFICATIONS

All applicants must meet the education and/or experience requirements as stated on this exam bulletin to be accepted into the examination. Part-time or full-time jobs, regardless of whether paid or volunteer positions, and inside or outside California state service will count toward experience.

Senior Engineering Geologist

Education: Equivalent to graduation from college with major work in geology, engineering geology, or a closely related field that includes coursework in geology. (Additional qualifying experience may be substituted for the required education on a year-for-year basis.) (Registration as a senior in a recognized institution will admit applicants to the Engineering Geologist examination, but they must produce evidence of graduation or its equivalent before they can be considered eligible for appointment.)

AND

Possession of a valid certificate of registration as a geologist or geophysicist issued by the California Board of Geologists and Geophysicists is required for appointment to the Senior Engineering Geologist level and above.

AND

Either I

Experience: Two years of experience performing the duties of an Engineering Geologist, Range D, in the California state service.

Or II

Experience: Five years of professional engineering geological experience involving the performance of increasingly responsible duties, at least two years of which shall have been comparable in level and responsibility to an Engineering Geologist, Range D, in the California state service. (A master's degree with major work in geology or engineering geology may be substituted for one year of the required experience. Possession of a doctorate degree in one of the fields identified above may be substituted for two years of the general experience.)

POSITION DESCRIPTION

Senior Engineering Geologist

The Senior Engineering Geologist Supervisor is either (1) a first-line unit supervisor; or (2) a nonsupervisory staff specialist assigned to perform the most complex and

technical engineering geologic assignments. The senior level is the first level to which administrative responsibility is assigned.

EXAMINATION SCOPE

This examination consists of the following components:

Training and Experience Evaluation – Weighted 100% of the final score.

The examination will consist solely of a **Training and Experience Evaluation**. To obtain a position on the eligible list, a minimum score of 70% must be received.

Applicants will receive their score upon completion of the Training and Experience Evaluation process.

In addition to evaluating applicants' relative knowledge, skills, and ability, as demonstrated by quality and breadth of education and/or experience, emphasis in each exam component will be measuring competitively, relative job demands, each applicant's:

Knowledge of:

1. Stratigraphic, structural, historical, and economic geology as related to civil engineering projects
2. Geological processes and survey techniques, equipment, and procedures
3. Fundamental principles of mineralogy, petrography, soil mechanics, and hydrogeology
4. Photogeology, geological mapping and drafting, and the application of geology to engineering problems
5. Grouting methods, techniques, and equipment
6. Geological literature
7. Subsurface exploration and sampling procedures
8. The principles of effective supervision, personnel management, and budget preparation
9. The department's Equal Employment Opportunity Program objectives
10. A supervisor's responsibility for promoting equal opportunity in hiring and employment development and promotion, and for maintaining a work environment free of discrimination and harassment
11. Methods and techniques of effective leadership
12. General administrative processes

Ability to:

1. Conduct geological and geophysical exploration investigations

2. Conduct independent technical research work
3. Make, record, and evaluate observations on geological engineering problems
4. Make accurate tests, observations, and measurements
5. Analyze situations accurately and take effective action
6. Prepare and analyze technical reports
7. Prepare plans, specifications, and estimates for geological and geophysical exploration
8. Perform independent technical research work and maintain cooperative relationships with those contacted in the work
9. The ability to delegate work to others, direct the work of others, and motivate others to work effectively
10. Effectively contribute to the department's Equal Employment Opportunity Program objectives

ELIGIBLE LIST INFORMATION

A departmental, open eligible list for the **Senior Engineering Geologist** classification will be established for:

State Water Resources Control Board

The names of **successful** competitors will be merged onto the eligible list in order of final score regardless of exam date. Eligibility expires **twelve (12) months** after it is established. Applicants must then retake the examination to reestablish eligibility. Veterans' Preference will be granted for this examination. In accordance with Government Codes 18973.1 and 18973.5, whenever any veteran, or widow or widower of a veteran achieves a passing score on an open examination, he or she shall be ranked in the top rank of the resulting eligible list.

Veterans status is verified by the California Department of Human Resources (CalHR). Information on this program and the Veterans' Preference Application (Std. 1093) is available [online](#). Additional information on veteran benefits is available at the Department of Veterans Affairs.

Career Credits will not be added to the final score for this exam, because it does not meet the requirements to qualify for Career Credits.

EXAMINATION INFORMATION

[Preview Training and Experience Evaluation](#)

PREPARING FOR THE EXAMINATION

Here is a list of suggested resources to have available prior to taking the exam.

Employment History: Employment dates, job titles, organization names and addresses, names of supervisors or persons who can verify your job responsibilities, and phone numbers of persons listed above.

Education: School names and addresses, degrees earned, dates attended, courses taken (verifiable on a transcript), persons or office who can verify education, and phone numbers of persons or offices listed above.

Training: Class titles, certifications received, names of persons who can verify your training, and phone numbers of persons listed above.

TAKING THE EXAMINATION

Take the online examination for the [Senior Engineering Geologist](#) classification.

TESTING DEPARTMENTS

State of California (all State of California departments)

CONTACT INFORMATION

Questions regarding this examination should be directed to:

SWRCB, Human Resources Branch
P.O. Box 100, Sacramento CA 95812-0100
(916) 341-5127 or email exams@waterboards.ca.gov

EQUAL OPPORTUNITY EMPLOYER

The State of California is an equal opportunity employer to all, regardless of age, ancestry, color, disability (mental and physical), exercising the right of family care and medical leave, gender, gender expression, gender identity, genetic information, marital status, medical condition, military or veteran status, national origin, political affiliation, race, religious creed, sex (includes pregnancy, childbirth, breastfeeding, and related medical conditions), and sexual orientation.

DRUG-FREE STATEMENT

It is an objective of the State of California to achieve a drug-free State work place. Any applicant for State employment will be expected to behave in accordance with this objective, because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service, and the special trust placed in public servants.

GENERAL INFORMATION

Examination and/or Employment Application (STD 678) forms are available at the California Department of Human Resources, local offices of the Employment Development Department, and through your [CalCareer Account](#).

If you meet the requirements stated on this examination bulletin, you may take this examination, which is competitive. Possession of the entrance requirements does not assure a place on the eligible list. Your performance in the examination described in this bulletin will be rated against a predetermined job-related rating, and all applicants who pass will be ranked according to their score.

The California Department of Human Resources (CalHR) reserves the right to revise the examination plan to better meet the needs of the service, if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all applicants will be notified.

General Qualifications: Applicants must possess essential personal qualifications including integrity, initiative, dependability, good judgement, the ability to work cooperatively with others, and a state of health consistent with the ability to perform the assigned duties of the class. A medical examination may be required. In open examinations, investigation may be made of employment records and personal history and fingerprinting may be required.

Eligible Lists: Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) sub-divisional promotional, 2) departmental promotional, 3) multi-departmental promotional, 4) servicewide promotional, 5) departmental open, 6) open. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on the bulletin.

High School Equivalence: Equivalence to completion of the 12th grade may be demonstrated in any one of the following ways: 1) passing the General Education Development (GED) Test; 2) completion of 12 semester units of college-level work; 3) certification from the State Department of Education, a local school board, or high school authorities that the competitor is considered to have education equivalent to graduation from high school; or 4) for clerical and accounting classes, substitution of business college work in place of high school on a year-for-year basis.