

## **CLASS SPECIFICATION**

### **SAN DIEGO CITY CIVIL SERVICE COMMISSION**

#### **MARINE BIOLOGIST I**

##### **DEFINITION:**

Under immediate supervision, and in a training capacity, to perform professional level marine studies as part of a wastewater treatment plant ocean monitoring program; to collect and analyze seawater, bottom sediment and marine plant and animal specimens; to perform taxonomic identifications of benthic organisms and fish; and to perform related work.

##### **\* EXAMPLES OF DUTIES:**

- Identifies, counts and classifies marine invertebrates;
- Preserves and maintains a collection of marine flora and fauna;
- Analyzes data and study findings;
- Performs acute and chronic bioassays on various marine specimens;
- Performs a variety of biostatistical analyses using a computer to analyze, review and evaluate ocean monitoring data;
- Calibrates, maintains, programs and operates complex oceanographic and navigational and deep water survey instrumentation and equipment;
- Conducts ocean current studies and deep water surveys;
- Performs field identifications on fish trawls;
- Samples ocean water and bottom sediments from an ocean monitoring boat and shore locations;
- Stores and preserves samples;
- Assists in the design of sampling procedures and analytical protocols for special studies;
- Writes narrative summaries of oceanographic data for reports;
- Performs quality assurance checks;
- Maintains manual and computerized technical logs and records;
- Writes and modifies application programs for the laboratory's computer systems and assists in database and network administration;
- Assists in training technical staff;
- Works with scientists from other agencies to ensure that lab data is consistent and accurate;
- May use SCUBA equipment to dive to collect marine specimens and perform other inspections and repair work of the sewage outfall area.

##### **MINIMUM QUALIFICATIONS:**

Please note: the minimum qualifications stated below are a guide for determining the education, training, experience, special skills, and/or license which may be required for employment in the class. These are re-evaluated each time the position is opened for recruitment. Please refer to the most recent Job Announcement for updated minimum qualifications.

College graduation with a Bachelor's degree in Marine Biology, Oceanography or a closely related life science field, **AND** one upper-division course and lab in Marine Biology and Oceanography **and** one upper-division course in Invertebrate Zoology or Invertebrate Ecology.

- \* **EXAMPLES OF DUTIES** performed by employees in this class. The list may not include all required duties, nor are all listed tasks necessarily performed by everyone in this class.