

MARINE TECHNICIAN III

NATURE OF WORK IN THIS CLASS:

Leads and performs highly skilled work in the fabrication, installation, maintenance, repair and operation of marine research and related support equipment.

ILLUSTRATIVE EXAMPLES OF WORK: (Any one position may not include all the duties listed, nor do the examples cover all duties which may be performed.)

Assists scientists in designing special, one-time experimental apparatus; based on a brief description of the desired result of the experiment, designs and fabricates wooden, metal, glass, mechanical and electrical devices; adapts existing apparatus to new uses.

Leads the work of lesser skilled workers and performs the most complex repairs of research and related support equipment, including current meters, photometers, flowmeters, outboard motors, vehicles, boats, diving equipment, radios and the seawater system; schedules and oversees preventive maintenance activities.

Serves as Dive Master for student diving expeditions; dives by means of scuba and snorkel to serve as safety diver for scientists and students engaged in underwater research activities.

Collects research data and specimens for research studies; uses special techniques for the live capture of marine animals; sets up special recording and other scientific devices in the sea and at other locations; takes and records data; may perform routine analyses of data.

Operates marine laboratory boats; ensures that proper check-out procedures are followed; trains others in boat operation; may schedule boats for research expeditions.

Maintains records of preventive maintenance and inventory of equipment and supplies; prepares reports as required.

Drives a vehicle to transport boats to the launching area.

Performs related duties as required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of the standard principles, methods, materials, equipment and practices used in the fabrication, installation, maintenance,

repair and operation of marine research and related support equipment.

Ability to design and fabricate experimental apparatus.

Ability to lead the work of others.

Ability to instruct in diving by means of scuba and snorkel.

Ability to maintain records and prepare reports.

Ability to apply special techniques for the live capture of marine animals.

Ability to record data from research instruments.

Ability to work from oral specifications sketches and diagrams.

Ability to understand, follow and provide oral and written instructions.

Ability to apply and enforce safe work practices on the job.

Skill in the fabrication, installation, maintenance, repair and operation of marine research and related support equipment.

Skill in the safe operation of a standard motor vehicle, outboard motors and outboard class vessels.

MINIMUM EXPERIENCE AND TRAINING:

(A) Six years of progressively responsible experience in the fabrication, installation, maintenance, repair and operation of marine research and related support equipment, including one year at the skilled level; or

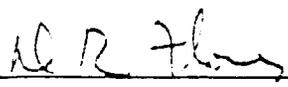
(B) Any equivalent combination of experience and training which provides the minimum knowledge, abilities and skills.

NECESSARY SPECIAL QUALIFICATION:

(A) Possession of a valid driver's license.

(B) Possession of underwater diving instructor's certification.

ESTABLISHED: JULY 1980



DAVID R. FLORES, Executive Director,
Civil Service Commission