

## BIOLOGIST III

### **NATURE OF WORK IN THIS CLASS**

This is a complex professional and scientific biological work involved in fish or wildlife management and conservation programs, or in environmental management and protection programs.

Employees in this class perform the full range of complex professional biological duties, including independent work in specialized areas of the profession.

Employees often serve as team or group leaders over less experience professional staff.

### **ILLUSTRATIVE EXAMPLES OF WORK** *(These examples do not list all the duties which may be assigned; any one position may not include all the duties listed.)*

Determines, establishes and applies pertinent biological facts necessary for the development, conservation and management of fish or wildlife resources or for biological environment control.

Conducts research work in the study of the ecology of various forms in their natural environment, nutrition, parasites and diseases, development and testing of methods used to control populations of harmful species; conducts specified management studies directed toward specific forms of wildlife and wildlife habitats.

Conducts research work involving the quantitative determination of the rearing and planting methods best adapted for maximum success in hatchery operations, and devising methods to regulate fishing to secure a sustained maximum yield.

Compiles and analyzes data, and prepares necessary reports using statistical methods.

Participates in the formulation of effective conservation regulations and management plans.

Analyzes and evaluates environmental impact statements, assessments and development plans.

Maintains and performs minor repairs on field and laboratory equipment.

May lead the work of lower-level biologists on assigned projects.

Performs related duties as related duties as required.

**MINIMUM KNOWLEDGE, ABILITIES AND SKILLS**

Knowledge of pertinent principles, practices and techniques applied in fishery or wildlife management and conservation, or in environmental management and biological control.

Knowledge of the habits and ecology of fishes and other aquatic organisms, or of birds, mammals, and other forms of wildlife species.

Knowledge of microbiology and organic and inorganic chemistry as they relate to assigned program.

Knowledge of research and statistical methods and techniques.

Ability to determine, establish and apply applicable biological facts necessary for the development, conservation and management of fish or wildlife resources, or for biological environmental control.

Ability to conduct complex specialized biological research studies and draw sound conclusions and recommendations for the development of management plans.

Ability to apply mathematical and statistical methods to biological data.

Ability to work effectively with employees and the public.

Ability to communicate effectively.

Ability to maintain records and prepares technical reports.

Skill in the use and care of standard field and laboratory equipment.

Skill in the safe operation of a motor vehicle.

Skill in swimming, diving and in use of scuba gear may be required.

**MINIMUM EXPERIENCE AND TRAINING**

- A. Three years of progressively responsible experience in the applicable field of biology, and graduation from a recognized college or university with a Bachelor's degree in biology, wildlife management, fish management, or related fields; or
- B. Any equivalent combination of experience and training beyond the Bachelor's degree which provides the minimum knowledge, abilities and skills.

**NECESSARY SPECIAL QUALIFICATIONS**

- A. Possession of a valid driver's license.
- B. Possession of a valid scuba diving certificate may be required.

**ESTABLISHED:                JULY 1980**

**AMENDED:                    AUGUST 2003**

**PAY GRADE:                 M**

<b>HAY EVALUATION:</b>	<b>KNOW HOW:</b>	<b>E12</b>	<b>200</b>
	<b>PROBLEM SOLVING:</b>	<b>E3 (33%)</b>	<b>66</b>
	<b>ACCOUNTABILITY:</b>	<b>D1C</b>	<b><u>76</u></b>
			<b>342</b>

This standard revises and supercedes the standard established JULY 1980 and amended AUGUST 2003.



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**VERNON P. PEREZ**  
Executive Director  
Civil Service Commission