

TITLE OF GROUP OF CLASSES: SENIOR BIOLOGIST

TITLE OF CLASSES IN GROUP:

SENIOR BIOLOGIST (FRESHWATER FISHERIES)
SENIOR BIOLOGIST (MARINE FISHERIES)
SENIOR BIOLOGIST (WILDLIFE)
SENIOR BIOLOGIST (BIOMETRICIAN)

Class Code:

02747301

02747302

02747303

02747304

Pay Grade: 30A

EO: B

CLASS DEFINITION:

GENERAL STATEMENT OF DUTIES: To perform complex professional biological field and/or laboratory work in the area of specialization; to engage in and/or supervise technical research projects; to present research findings to state and local management bodies; to prepare and analyze statistical data gathered in research investigations; to prepare scientific reports of such biological research findings; to assist in public information inquiries; and to do related work as required.

SUPERVISION RECEIVED: Works under the general supervision of a superior from whom are received general directions which afford the opportunity for considerable initiative and independent professional judgement; work is reviewed through written and oral reports, and conferences for conformance to law, policies, rules and regulations.

SUPERVISION EXERCISED: As assigned, to supervise and review the work of professionals, laborers and others engaged in the program.

ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:

To perform complex professional biological field and/or laboratory work in the area of specialization.

To engage in and/or supervise technical research projects.

To present research findings to state and local management bodies.

To prepare and analyze statistical data gathered in research investigations.

To prepare scientific reports of such biological research findings.

To assist in public information inquiries.

To be responsible for data analysis and presentation of fish, wildlife, and natural resource related research projects.

To assist in management programs and research studies to promote sound fish, wildlife, and natural resource conservation.

To supervise field surveys of fisheries or wildlife populations regarding concentrations, population growth rates, mortality, predations, habitat and mobility.

To evaluate and interpret the findings of such biological research and make appropriate program recommendations.

To develop new research techniques and methods for obtaining data.

To make recommendations for federal and state laws, rules and regulations and management practices.

To plan and prepare complex technical reports including but not limited to federal aid reimbursement, scientific publication or general public information.

As required, to represent the department at scientific conferences and public meetings and to assist in a program of public education as it concerns fish, wildlife, and state natural resource conservation programs.

To give testimony in court as an expert witness for the state.

To evaluate development proposals for their environmental impact upon existing natural resources.

To plan and supervise the management of cooperative programs with federal, state and local government agencies, sportsmen's and environmental groups and the general public.

To maintain accurate and comprehensive records relating to program activities.

To prepare a variety of general correspondence, technical reports and requisition specifications for superiors.

To assist in planning for the acquisition and development of fish, wildlife, and natural resource management areas.

To do related work as required

REQUIRED QUALIFICATIONS FOR APPOINTMENT:

KNOWLEDGE, SKILLS AND CAPACITIES: Knowledge of the principles, practices and techniques of field and laboratory biological research pertaining to fish, wildlife and natural resource conservation and management; knowledge of the organization and functions of natural resource and management programs; the ability to supervise and lead field studies concerning the investigation, management and conservation of the resources in a specific discipline; the ability to conduct, prepare and interpret statistical analysis of research data; the ability to prepare and present written and oral reports of research and program activities; the ability to establish and maintain effective working relationships with associates, the interested public and related state and federal agencies; the ability to engage in active field work requiring physical stamina; and related capacities and abilities.

EDUCATION AND EXPERIENCE:

Education: Possession of a bachelor's degree from a college of recognized standing in the area of specialization as indicated by the job title as follows:

1. Biologist (Freshwater Fisheries): Biology (including substantial coursework focusing on freshwater species), Freshwater Fisheries, Freshwater Ecology, Limnology or a closely related science field.
2. Biologist (Marine Fisheries): Biology (including substantial coursework focusing on marine species), Marine Biology, Marine Fisheries, Marine Ecology, Oceanography, Conservation Biology or a closely related science field.
3. Biologist (Wildlife): Biology (including substantial coursework focusing on wildlife species), Wildlife Biology, Wildlife Ecology, Wildlife Management, or a closely related science field.
4. Biologist (Biometrician): Natural Resource Statistics, Quantitative Biology, Wildlife Biology, Freshwater Biology, Marine Biology, Wildlife Ecology, Freshwater Ecology, Marine Ecology, Oceanography, Marine Science, Conservation Biology or a closely related science field.

And,

Experience: At least three (3) years of employment as a fish/wildlife/marine biologist and/or biometrician involving responsible technical work conducting monitoring, research and analysis in the designated area of specialization such as:

1. Biologist (Freshwater Fisheries): freshwater finfish, shellfish, crustaceans and/or other freshwater species and their habitat.
2. Biologist (Marine Fisheries): marine finfish, shellfish, crustaceans and/or other marine species and their habitat. Must have experience operating or working aboard small vessels.
3. Biologist (Wildlife): wildlife populations and their habitats.
4. Biologist (Biometrician): statistical and mathematical analysis and/or population models for marine, freshwater or wildlife species and/or their habitat; or work conducting a marine or freshwater species stock assessment; or wildlife population and harvest assessment using mathematical and statistical models.

Or, possession of a master's degree from a college of recognized standing in the area of specialization as indicated by the job title and as specified above and at least two (2) years of employment as specified above.

SPECIAL REQUIREMENTS:

1. Must be physically qualified to perform assigned duties as evidenced by a physician's certificate.
2. At the time of appointment and continually thereafter, must possess and maintain a valid Motor Vehicle Operator's License.

Class Revised: December 22, 1985

Editorial Review: March 15, 2003

Class Revised: August 18, 2019