

NATURAL RESOURCES SPECIALIST - WILDLIFE RESEARCH

KIND OF WORK

Professional wildlife biology research work.

NATURE AND PURPOSE

Under general supervision/procedural control, contribute to collection, analysis and management of data; conduct research on wildlife species and habitat; serve as technical assistant to staff scientists; perform related work as required.

At entry level, focus of work is on applying standard methods to collection and analysis of data to contribute to major reports or for clearly defined projects/programs. Differs from technician level in its responsibility for analyzing, as well as, collecting data. The Intermediate level has more independence of action and responsibility for discrete projects.

EXAMPLES OF WORK (A position may not include all the work examples given, nor does the list include all that may be assigned.)

Participate in the design of research studies and wildlife population surveys to increase scientific knowledge applicable to wildlife management by determining needs, planning investigations, formulating tests or hypotheses.

Conduct wildlife research so valid findings are reported by maintaining field and laboratory equipment, making field decisions, and leading the work of others.

Participate in the analysis and evaluation of research findings by preparing collected material, identifying, quantifying, analyzing, summarizing, and interpreting data.

Assist in the preparation of progress reports and final reports by analyzing data, organizing material, and putting it into report format.

Assist Senior Researchers in planning research to support wildlife management projects by consulting with management staff to determine needs, conducting literature reviews, designing investigations, identifying equipment, personnel, time and budget needs, sampling techniques and analytical methodology.

KNOWLEDGE, SKILLS AND ABILITIES REQUIRED

Knowledge of:

Biology and ecology sufficient to interpret and analyze data and serve as a technical assistant on projects.

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Class Specification

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Plant taxonomy and plant ecology sufficient to interpret data and serve as a technical assistant to senior biologists.

Computer applications sufficient to manage data input, retrieval and compilation, design simple computer programs, maintain data bases and train others in the use of the system.

Statistics sufficient to analyze data properly.

Wildlife harvest techniques and wildlife related recreational patterns sufficient to plan for population control and multiple use in wildlife areas.

Ability to:

Communicate orally and in written form with diverse audiences, including both lay and peer groups, sufficient to document and disseminate completed research results.

Plan, organize, and conduct field research sufficient to collect pertinent data.

Interpret wildlife and other data sufficient to draw reasonable conclusions.

Conduct many phases of field work including aerial and terrestrial, radio-telemetry, capturing and handling wildlife animals, wildlife census, vegetation and food habit analysis.

Maintain and operate equipment sufficient to collect data.

Lead work of others.

Work in adverse weather and environmental conditions.

Est.: 08/30/00

Rev.:

Ckd.:

T.C.:

Former Title(s):