

Specification for Class of

NATURAL RESOURCE SCIENTIST 4
(Abolished eff. 6-13-97)

Definition: Performs natural resource research requiring the development of new techniques for which few precedents for the investigation are available. There would be considerable impact and cost-benefit involvement in findings and significant progress would attract wide interest.

Distinguishing Characteristics: The research situation, the duties and responsibilities assigned to the position and the qualifications of the incumbent are considered in the allocation of positions to this class series since these factors together constitute the actual position responsibility and form the basis for determining grade level. Incumbents allocated to this classification perform research requiring the development of new techniques for which few precedents for the investigation are available and in which considerable impact and cost-benefit involvement in findings and significant progress would attract wide interest.

Typical Work

Defines the research project; consults with agency management to determine needs, goals and objectives;

Conducts surveys, analyzes and records field conditions;

Selects tree, plant, or ecological system and sets the parameters of the study, including environmental manipulations or treatments involved;

Develops and defines the record keeping and reporting procedures;

Trains and supervises other personnel in survey, sample plot installation, field evaluation and reporting work;

Gathers and evaluates sample data; formulates and justifies conclusions and recommendations;

Writes reports;

Analyzes and applies related research work conducted by others in specialty field;

Provides consultative service to Resource Managers in specialty field;

Plans and directs control or treatment projects, including the hiring, training and supervision of field crews;

Performs other work as required.

Knowledge and Abilities

Knowledge of: statistical theory and techniques; logic and grammar, basic methods of problem solving; research methods; the body of knowledge in specialty field; agency's purposes; objectives of programs and activities.

Ability to: reason logically, draw valid conclusions and make appropriate recommendations; gather and analyze data; participate in conferences and interviews; speak and write effectively; establish and maintain effective working relationships.

Minimum Qualifications

1. A Bachelor's degree with major study in a natural science.

AND

2. Five years professional research work experience in a specific specialty field (the specialty field is designated for each position).

A Master's degree will substitute for two years and a Ph.D. degree will substitute for four years of the required experience, provided the field of major study was in the specific specialty.

New class

Effective June 15, 1972

Revised February 16, 1973

Title change (formerly Forest Scientist IV) and revises minimum qualifications

Revised October 12, 1973

Revises definition