

NATURAL RESOURCES SPECIALIST, SENIOR - ECOLOGIST

KIND OF WORK

Professional aquatic biology research work.

NATURE AND PURPOSE

Under administrative direction, plan, coordinate and lead the work of other permanent and seasonal staff in conducting a statewide program such as aquatic nuisance control, lake aeration, pesticide enforcement, water quality monitoring, investigating pollution spills and impacts of fish and wildlife kills, and aquatic habitat studies; coordinate special projects including: developing study methodology and reviewing study manuscripts; biological investigation, data analysis, and report preparation for major rivers; environmental review of water development projects or lake sounding and mapping; perform related work as required.

Differs from higher levels (NR Supervisors) in that the programs the Seniors are responsible for have smaller scope and activities than the NR Supervisor. They do not have formal supervisory responsibility. The senior level is distinguished from lower levels by responsibility for long range planning processes, strategic planning and projects/programs with statewide impact.

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

Provide lead work direction to staff to ensure efficient operations by determining work priorities, assigning work, approving time use, establishing position descriptions and performance indicators.

Directing collection of data for statewide lake sounding program by devising procedures, training staff in technical procedures, overseeing data collection, implementing plans.

Evaluate proposed small-scale hydropower projects so impact will be minimal by representing the Division to individuals or diverse groups, coordinating project review with diverse groups, and by writing and submitting recommendations.

Plan and direct statewide lake mapping program and dissemination of lake maps and limnological data so information will be available by prioritizing lake maps to be drawn, directing interpretation and transcription of depth information, editing maps, and disseminating lake maps and limnological data.

Develop projected flow recommendations to provide information for decision making by reviewing permits or project proposals; designing, directing and implementing field investigations, writing project and flow recommendations; and testifying at hearings.

KNOWLEDGE, SKILLS AND ABILITIES REQUIRED

Knowledge of:

Ecology and biology of fish and wildlife, chemistry, limnology, sufficient to design and implement investigations.

Drafting, graphics, cartography, surveying sufficient to direct production of maps.

Stream flow assessment, hydraulics and hydrology and their effects on fish populations sufficient to design, implement and evaluate investigations of fish habitat and review of water development projects.

Federal and state laws, rules, regulations governing water quality sufficient to apply and implement them.

Ability to:

Use computers and software sufficient to organize and analyze data.

Write technical reports, special publications and summaries.

Train and guide staff and plan their work activities.

Communicate orally with the public and represent the division at meetings.

Est.: 4/87T.C.: 6/93

Rev.:

Former Title(s): NR Specialist, Senior
Aquatic Biologist