

NATURAL RESOURCES SPECIALIST INTERMEDIATE - FISH RESEARCH

KIND OF WORK

Professional fisheries research work.

NATURE AND PURPOSE

Under limited supervision, performs professional fisheries research work, assisting the Research Scientist 2 in planning management oriented research, assisting and leading seasonal employees in conducting research, evaluating new technology, and providing biological expertise to fisheries professionals and the public; perform related work as required.

The intermediate level is considered the entry level within the NR Specialist Fisheries Research series. It is distinguished by other fisheries professionals in the responsibility for research. It is distinguished from higher level by narrower scope of projects/programs.

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

Plan, implement, and direct independent fisheries research using appropriate research techniques so study objectives are met and findings are statistically and scientifically valid.

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

Analyze and evaluate research findings to reach valid conclusions by preparing collected material, identifying, quantifying, analyzing, summarizing, and interpreting data.

Prepare progress reports and final reports by analyzing data, organizing material, and putting it into report format.

Disseminate research results so that research findings can be utilized by research scientists, research managers, administrators, and the public within Minnesota and internationally.

Plan investigations with Senior Researchers to support Fisheries Management projects by consulting with management to determine needs, conducting literature search, designing investigations, identifying equipment, personnel, time and budget needs, sampling techniques and analytical methodology.

KNOWLEDGES, SKILLS AND ABILITIES REQUIRED

Knowledge of:

Fisheries management, Ecology, Ichthyology, Entomology, Aquatic Energetics, Population Dynamics and Statistics sufficient to conduct research investigations, interpret and analyze data, and prepare final reports.

Computer proficiency, including knowledge of databases, spreadsheets, and statistical programs sufficient to efficiently analyze data.

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.

Conduct field research sufficient to collect pertinent data.

Interpret biological and other aquatic data sufficient to draw reasonable conclusions.

Perform laboratory functions.

Maintain and operate equipment, such as boats, motors, trailers, etc.

Lead work of others.

Work in adverse weather and environmental conditions.

Est.: 08/30/00

Rev.:

Ckd.:

T.C.:

Former Title(s):