

Fisheries Research Specialist Eareckson Air Station, Shemya Island



Center for
Environmental
Management
MILITARY LANDS

COLORADO STATE UNIVERSITY

POSITION

One Fisheries Research Specialist (Seasonal Worker, Full-time, 40 hours/week) position is available with the Colorado State University (CSU) Center for Environmental Management of Military Lands (CEMML). This position will provide support to the natural resources program at the Pacific Air Forces Regional Support Center (PRSC) at Eareckson Air Station on Shemya Island, Alaska. Specifically, the Fisheries Research Specialist (FRS) will ascertain and report on the status of fish populations and their habitats in the island's arctic lakes. Successful candidates will gain a unique and excellent set of field-based experiences in fisheries research, including all phases of preparing for conducting a fish survey, collecting and analyzing the fish and habitat data, and detailing the results in a final report. Military affiliation is **not** required to apply for this position.

ORGANIZATION

CEMML

CEMML is a research, education, and service unit within the Warner College of Natural Resources at CSU. CEMML applies the latest and most appropriate science to promote the sustainable management of natural and cultural resources on Department of Defense (DoD) and other public lands. We provide technical support, conduct applied research, and offer career development and learning opportunities to support resource stewardship. We collaborate with our sponsors and other CSU departments to resolve complex environmental issues, leaving a legacy of science-based decisions that sustain our resources for future generations.

To learn more about CEMML's contributions to land management, our mission, vision, and values, please visit <http://www.cemml.colostate.edu/>.

Position Duty Station: Eareckson Air Station, Shemya Island

Eareckson Air Station is a United States Air Force (USAF) military airport located on Shemya Island, a two-mile long by four-mile wide island on the western edge of the Aleutian Island chain. On this island is one runway, a radio station, and a series of lodging facilities that support the station's main mission of providing expanded radio, intelligence, and flight capabilities for the USAF. The remote, relatively undeveloped environment of Shemya Island is a valuable refuge for species of wildlife that have adapted to some of the northernmost regions of the planet and offers unique opportunities in natural resources-related research.

For more information on Eareckson Air Station, please visit <https://www.jber.jb.mil/News/News-Articles/Article/291929/tail-end-of-the-chain-tip-of-the-sword-eareckson-as/>.

RESPONSIBILITIES

The FRS will assist the PRSC Natural Resources Manager with a three-phase project that entails conducting and reporting on a survey to assess the status of fish communities, populations, and their

habitats in Lower, Middle, and Laundry Lakes on Shemya Island. For the first phase of this project, the FRS will conduct a literature review of previous studies on fish populations in Alaska to determine the appropriate methodology, equipment, and duration needed for ensuring an effective survey. The subsequent phase will entail traveling to Eareckson Air Station on Shemya Island and stay for up to ten days to conduct the field portion of this project. The CEMML Principal Investigator will accompany the FRS for several days to assist with orientation and preparing for the field work, after which the FRS will work independently to set up fish traps and collect the fish and habitat data. The FRS might travel independently to Shemya Island for a second field visit if additional field data are needed. The final phase of this project will entail analyzing and modelling the field data and comparing results with a prior survey. The unique location and focus of this position will offer valuable experience in fisheries research.

MINIMUM QUALIFICATIONS

- Must be physically capable of working independently in remote outdoor locations frequently subjected to extreme weather, including steady, cold rain and strong winds, for prolonged periods while conducting fish and habitat surveys. These activities will require constant walking and kneeling as well as carrying a heavy pack that includes trapping and monitoring equipment.
- An M.S. in a fisheries or wildlife management-related field or a B.S. with 3 years of experience on fisheries or wildlife management-related studies.
- Experience conducting biological field work independently.
- Field experience with GPS equipment.
- Experience with software, such as Python or R and ArcGIS, for conducting statistical and spatial analyses.
- Experience designing and implementing a fish population study.
- Experience collecting data on water characteristics (i.e., depth, total hardness, total alkalinity, dissolved oxygen, pH, temperature, salinity, and conductivity)
- Must have a valid driver's license for operating a rental vehicle.
- Must be able to pass a federal background investigation to obtain a Department of Defense Installation Access Pass.
- The successful candidate must be legally authorized to work in the United States by the proposed start date; CEMML will not provide visa sponsorship for this position.

PAY RATE

Pay rate is \$18/hour and the work period will not exceed 140 working days. The anticipated start date for this project will be in May 2021. The draft report will be due for agency review in September 2021, and the final report will be due not later than 31 December 2021. A travel budget will be provided to cover all necessary travel and lodging costs associated with traveling to, and staying on Shemya Island for the data-collection phase of the project. The project will provide the field equipment and a laptop with all necessary software. The FRS will provide their own work space while preparing for the field, analyzing the data, and writing the report.

BACKGROUND CHECK

CSU is committed to providing a safe and productive learning and living community. To achieve that goal, we conduct background investigations for all final candidates being considered for employment. Background checks may include, but are not limited to, criminal history, national sex offender search, and motor vehicle history.

APPLICATION

Email each of the items listed below individually as a Word Document (.doc) or PDF (.pdf) to CEMML_AF_Seasonal@mail.colostate.edu and be sure to put "PRSC Alaska" in the subject line.

Applications will be accepted until the position is filled. Please note that incomplete applications cannot be considered. Please remove social security numbers and birthdates from application materials. A complete application consists of the following items.

- 1) Statement of Qualifications (a letter addressing each qualification described in the announcement)
- 2) Resume
- 3) Three references (contact information for professional references, including at least one supervisor; references will not be contacted without prior notification of candidates)

DIVERSITY STATEMENT

Colorado State University does not discriminate on the basis of race, age, color, religion, national origin or ancestry, sex, gender, disability, veteran status, genetic information, sexual orientation, or gender identity or expression. Colorado State University is an equal opportunity/equal access/affirmative action employer fully committed to achieving a diverse workforce and complying with all federal and Colorado state laws, regulations, and executive orders regarding non-discrimination and affirmative action. The Office of Equal Opportunity is located in 101 Student Services.

Reflecting departmental and institutional values, candidates are expected to have the ability to advance the Department's commitment to diversity and inclusion.

See a complete listing of open CEMML positions at <http://www.cemml.colostate.edu>.