Position Description: Alaska Sea Grant State Fellow

1. Major Duties and Responsibilities
The position serves as an occupational epidemiology research assistant responsible for carrying out a full range of complex epidemiologic and surveillance activities.

- Participates with other scientists in various aspects of study design process, including: conducts a search or review of the existing literature and data in a scientific area, assists with the design of questionnaires and other data collection instruments. Collects data on work-related injury outcomes for surveillance systems and epidemiologic research.
- Analyzes data using established, modified and newly developed scientific and technical methods and practices. Plans and carries out quality control programs and selects appropriate epidemiologic methods to be used in quality control analysis. This ensures the reliability and consistency of the data while measuring the data limitations.
- Analyzes occupational safety issues and their impact on public policies, scientific studies or surveys with the use of established scientific and technical methods and practices.
- Analyzes study or project implementation procedures for improvement; working with program specialists and/or scientists as appropriate, to develop more viable implementation procedures and coordinates with appropriate staff to make needed changes.
- Utilizes statistical techniques commonly used in epidemiologic evaluations to interpret and analyze observed occupational injury outcomes.
- Assists in the writing of comprehensive statistical and analytic reports from major studies or continuing projects that require the use of sociological behavioral science, demographic, and/or epidemiologic analytic techniques and evaluation, and application of the latest technology. Collaborates with analysts and statisticians to develop joint analyses and publications. Explain the methodologies, results, and relevance as they relate to the epidemiological problem under study. Disseminates results of research projects in a wide range of venues including publications, peer reviewed journals, summaries, manuscripts, and special reports. Presents results to the scientific community at professional meetings and conferences.

2. Potential Projects
Research activities during the fellowship may include working on some of the following projects.

- Surveillance of commercial fishing vessel disasters in the U.S. and analysis of risk factors and causes of vessel disasters
- Surveillance of fatal occupational injuries in the U.S. fishing industry, including identifying cases, coding variables, entering data, and preparing descriptive summaries and reports.
- Studies of serious nonfatal injuries in high-risk fisheries in different fishing regions of the U.S. using USCG data.
- Studies reviewing data to assist in fishery management councils in their policy development process or during their review of individual fishery management plans.