ACS

Position Description

AC#   543020181466   **Preparation Date:** 10/22/2018

Validated: YES

Org: NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Div: National Marine Fisheries Service

Incumbent Name: VACANT

Career Path: ZP   **Series:**   0482   **Band:**   2

Title: Fish Biologist

Function:

31 Data Collection, Processing, and Analysis

Principle Objective:

Research is conducted aimed at developing understanding, tools and databases for addressing climate, ecosystem and habitat issues in stock assessments; gauging ocean acidification; developing advanced technologies for ecosystem monitoring; and estimating the impact of a changing climate on fisheries, aquaculture and protected species.

Series Definition:

Manages, supervises, leads, or performs professional, research, or scientific that involves preserving, conserving, propagating, and managing fish and other aquatic species populations and their habitats for ecological purposes and to benefit the public.

General Duties and Responsibilities:

Carries out limited professional assignments in a technical professional field under periodic technical supervision on all phases of assignments, applying established methods, tests, procedures, and techniques, and recording actions and results.

Knowledge, Skills, and Abilities:

Baccalaureate or equivalent level knowledge of the theories,principles, and methods of a technical professional field, with additional skills and abilities acquired through high academic achievement or at least one year of professional experience in the field.

Incumbent's Supervisory Responsibilities:

Position does not meet supervisory titling criteria.

Specialty Description:

General Biology 040100

Conducts research on living organisms and their distribution, characteristics, life processes, and adaptions to and relationships with the environment; conducts studies on living organism growth, management, conservation, or economic application.

Data Collection 048201

Collects, manages, evaluates & reports on marine commercial and recreational statistics. Designs new approaches for data collection surveys & methodologies for compilation & distribution to provide quality information for fisheries management, conservation & development. Ability to design, develop & perform statistical surveys & analysis.

Fishery Information 040102

Collects, organizes, analyzes, & disseminates fisheries & economic information which provides a basis for development, implemetation, & administration of fisheries management operations. Designs, implements, & maintains fisheries info. systems which provide data used to analyze socio-economic, biological, & operational effects to determine effective management & conservation regimes. Knowledge of computerized data processing systems & of appropriate Acts.

Position-Specific Key Phrases:

This position carries out limited professional assignments under periodic technical supervision focusing on work to identify common data extractions and to streamline their production; use tools (e.g., R markdown) to produce templates for automated reports based on transparent and repeatable data principles, and lead workshops to train staff on how to use these tools.

General knowledge of marine fisheries, ecosystems, and associated data (e.g., fisheries dependent, fisheries independent, environmental, etc) to conducts quantitative analyses using mathematical models to address processes associated with ecosystem dynamics and/or fisheries. Proficiency using modern analytical and version control software (e.g., R, Rstudio, SQL, and git) to analyze and report scientific findings and create tools to streamline and standardize data extraction and aggregation to facilitate ecosystem reporting. Proficiency in written and verbal skills to engage and communicate with internal and external stakeholders and researchers with varied backgrounds. Capable of independently developing and executing project planning to coordinate, organize, and streamline data-flow within and between READ Branches.

Produce scripted templates for ecosystem reporting using R markdown (preferred) or other scripted scientific reporting software (e.g., LaTeX). Assist with ecosystem reporting, including but not limited to: creating publication quality tables and figures, synthesizing trends and patterns in disparate data types (e.g., time-series, correlograms, and maps) into clear and concise text. Assist with the design and provide training to internal and external stakeholders on the use of tools, analytical methods, and ecosystem reporting templates.

Position Requirements:

There are no special requirements for this position.

Position Sensitivity:

This is a Low Risk position.

FLSA Criteria:

5 CFR 551.204 - Nonexemption of Certain Employees

FLSA Basis:

The position is non-exempt as it does not meet any of the exemption criteria established in Title 5, Code of Federal Regulations Part 551.