

<b>Job Title:</b>	Marine Data Analyst	<b>Department:</b>	Coastal Ocean Research Institute
<b>Job Family:</b>	Research	<b>Pay Band:</b>	TBD
<b>Employment Status:</b>	Full time for 5 months	<b>Hours Per Week:</b>	37.5
<b>Effective Date:</b>		<b>Wage Type:</b>	Hourly rate
<b>Close Date:</b>	March 30, 2017	<b>Reports to:</b>	Manager, COHI

## ROLE OVERVIEW

The Coastal Ocean Research Institute (CORI) seeks a marine data analyst to join the Coastal Ocean Health Initiative for an Ecosystem Based Management (EBM) indicators pilot project for the Marine Plan Partnership (MaPP) region, which includes the central and north coasts of British Columbia. The analyst will be responsible for requesting and obtaining existing data for an identified set of marine indicators, collating the data and associated metadata, analyzing and summarizing the data, and producing a report aimed at a public audience. Project deliverables also include identifying monitoring gaps and providing recommendations for future monitoring activities within the MaPP region.

## KEY ACCOUNTABILITIES

### Responsible for creating a pilot report on select regional EBM indicators by:

- Reviewing the pilot indicators list and existing data sources and draft a detailed project work plan;
- Requesting and obtaining available data from government and other data custodians;
- Negotiating data use agreements where necessary;
- Collating and reporting on metadata associated with received data;
- Documenting field methods used to collect the data;
- Identifying spatial and temporal monitoring gaps for each indicator;
- Researching and developing methods and undertake analyses to statistically analyze data for each indicator and produce data summaries; spatial analyses and summaries may be required;
- Documenting analysis methods, so that they are reproducible;
- Drafting a report on each indicator that illustrates data summaries, includes a short narrative explanation, and is presented in a manner suitable for a public audience;
- Providing recommendations for future monitoring activities.

### Consciously desires to improve the organization and its processes by:

- Promptly aiding in Emergency protocol;
- Maintaining organizational safety standards;
- Continually improving our impact on the environment and greening of operations through support of EMS protocols;
- Actively demonstrating the organization's values and expectations for conduct;
- Performs additional duties of a similar nature or level as required.

## QUALIFICATIONS

### **Education and Experience**

- Graduate degree in Marine Biology, Environmental Sciences or related field combined with math or statistics;
- At least 5 years experience working with B.C.'s marine ecosystems and with marine data;
- Demonstrated experience in choosing and using robust statistical methods;
- Experience mapping and analyzing marine data sets;
- Experience with producing data summaries and explaining methods to a general audience;
- Experience with requesting data sets from government agencies and/or academic researchers;
- Existing working relationships with marine scientists and data and knowledge holders will be considered an asset; and
- Experience with data use agreements.

### **Technical Competencies**

- Strong verbal and written communication skills;
- Advanced competency in Microsoft Word and Excel;
- Advanced competency using statistical analysis software;
- Intermediate competency in mapping marine data;
- Competency using data management software;
- High attention to detail and accuracy;
- Competency in summarizing data, documenting methods and preparing reports for a general audience;
- Excellent project management and time management skills, with the ability to work independently and stay on task;
- Active demonstration of the company's values and mission.

### **WORKING CONDITIONS**

- Works in a shared office environment with the usual ergonomic risks.
- The position is primarily non-physical.