Nonprofit conservation advocacy group

This organization studies marine and coastal conservation issues in a coastal city, educates the public about the issues, and leads local restoration projects. This group also advocates and lobbies for laws and regulations that better protect marine life, publishes regular reports on the science and policy behind marine conservation, and organizes local support for marine conservation.

1. Marine Biologist

Description:

This job combines hands-on marine research with education, policy development, and advocacy. Occasional travel is involved, mostly in the surrounding region, as is working cooperatively with educators, project managers, policy makers, and other scientists to develop and implement new initiatives and laws that will better protect the wildlife and habitat in the city's harbor and nearby coastal areas.

Duties:

- Manage an aquatic/marine species monitoring program for the local bay, harbor, and coastal areas.
- Participate in collaborative efforts with government officials, business leaders, urban residents and neighborhoods, fishing and other industries, and other scientists to improve the health of the bay and coastal areas.
- Write technical reports and scientific publications on research findings.
- Contribute scientific content to public outreach and education programs.
- Help develop grant proposals to fund the organization's work.

Skills and experience:

- Leadership skills and ability to work in teams.
- Love of the oceans and outdoor work.
- Ability to travel.
- Data collection and analysis skills and computer abilities.
- Excellent writing and public speaking skills.

Education and training:

- Bachelor's or graduate degree in marine biology or a related field.
- Work experience that includes project management.

2. Geographic Information Systems (GIS) Specialist

Description:

The GIS specialist works with Geographic Information Systems, satellite imagery, and other technologies to interpret data and make management and policy recommendations concerning aquatic wildlife and their habitats.

Duties:

- Analyze data and develop maps to support the organization's policy, staff, scientists, and educators.
- Work with scientists and technicians who collected the data to understand and correct errors.
- Manage databases.
- Produce maps for publications and educational programs.

Skills and experience:

- Ability to collect data and work with large databases.
- An eye for design and how to present data clearly in a visual format.
- Knowledge, skill, and experience working with a wide range of GIS, database, word processing, and other software.
- Ability to work at a computer for extended periods.

Education and training:

- Bachelor's degree in marine biology, ecology, wildlife biology, geography, earth science, or a related field.
- Position may require a graduate degree or special training in Geographic Information Systems.