Marine Animal Trends around Sand Resources

Project Title	Marine Animal Trends around Sand Resources
Project Summary	Discover when and where marine animals occur during dredging of sand resources in federal waters using existing datasets.
Country	United States

Project Description

BOEM is the only agency that leases access to sand resources in federal waters. This sand is often used in beach nourishment or coastal restoration projects along the Atlantic and Gulf coasts. During dredging, biologists collect information on animals observed at sea, collected by trawl, or onboard a dredge. BOEM is looking for a student to help organize and analyze these data. It would first entail entering data into accessible formats like tables and spreadsheets. From here, the data could be analyzed using Excel tools (like pivot tables and graphs) or writing code in a software like Matlab or R. Findings from the student would be used by BOEM to better understand how animals occur on different sand resources, improving decisions on mitigation and operational measures.

Required Skills or Interests

Skill(s)
Coding
Data analysis
Data visualization
Editing and proofreading
Research

Additional Information

Learn more about BOEM's Marine Minerals Program, which manages our nation's offshore sand resources here: https://www.boem.gov/marine-minerals and through our Citizen's Guide:

https://www.boem.gov/sites/default/files/documents/marine-minerals/Marine-Minerals-Guide.pdf

Language Requirements

None