



John Patrick Walsh

University of Rhode Island, Oceanography and Ocean Exploration
Professor

Fields of expertise: Coastal sedimentary systems and blue carbon

J.P. Walsh is a Professor of oceanography in the Graduate School of Oceanography at the University of Rhode Island and recently served as the Director of the Coastal Resources Center for over six years. He is a geological oceanographer with a doctorate in oceanography from the University of Washington, a master of science in marine environmental science from Stony Brook University, and a bachelor's degree in geology from Colgate University.

His research focuses on coastal sedimentary processes and related phenomena, such as coastal erosion, blue carbon sequestration and microplastic distribution. He uses sediment characteristics, oceanographic measurements, and geophysical methods to understand the processes shaping the shoreline and seafloor. Over the last few years, he has spearheaded efforts to evaluate coastal habitat changes and related stratigraphic records in the Philippines, New England and the Southeast U.S.

In which project themes do you hope to participate?

- Model drivers of mangrove and seagrass losses using remote sensing data and machine learning
- Characterize mangrove and seagrass ecosystems using drones and other technologies
- Promote citizen science to understand mangroves and seagrasses

Favorite Marine Mammal?

Manta Ray