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Water Column and Benthic Boundary Layer Studies: Scientific Framework (Classic Reprint) (Paperback)

By R Jahnke

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Water Column and Benthic Boundary Layer Studies: Scientific Framework The Department of Energy (DOE) has traditionally supported long-term interdisciplinary studies on the structure and function of coastal ocean systems as part of its concern for sustainable development and the dispersal and fate of energy-related materials (including CO₂) in the marine environment. The approach has been to conduct regional studies along the U.S. continental shelves, utilizing moored instrumentation, ship sampling, and remote sensing to measure watermass movements; spatial and temporal concentrations of chemical species and particles; biological productivity; zooplankton grazing and bacterial respiration; ecological dynamics; and biogeochemical fluxes of organic particles, nutrients, and dissolved organic carbon between estuarine systems, the shelf, and the interior ocean. During FY 1992, the DOE restructured its regional coastal-ocean programs into a new Ocean Margins Program (OMP), to: Quantify the ecological and biogeochemical processes and mechanisms that affect the cycling, flux, and storage of carbon and other biogenic elements at the land/ocean interface; Define ocean-margin sources and sinks in global biogeochemical cycles, and; Determine whether continental shelves are quantitatively significant...

Reviews

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