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## Preface

This report represents a summary of data gathered during Biological Monitoring Program (BMP) associated with the Asbury Park to Manasquan Inlet Beach Erosion Control Project. Each component of the monitoring program required a great deal of effort in coordination, logistical organization, and execution, with numerous individuals playing important roles in accomplishment of tasks within each component. Since its inception, the Biological Monitoring Program (BMP) has been managed by Mr. Mark Burlas of the U. S. Army Engineer New York District (CENAN), Planning Division, Environmental Assessment Branch. Technical oversight of the various monitoring components has been performed by Drs. Pace Wilber (currently with the Coastal Services Center, National Oceanic and Atmospheric Administration), Douglas Clarke, and Gary Ray of the U. S. Army Engineer Research and Development Center (ERDC), Waterways Experiment Station (WES), Environmental Laboratory, Wetlands and Coastal Ecology Branch. Logistical support for field activities and sample processing services were provided by Barry A. Vittor and Associates (BVA). Mr. Keith Brewer and Mr. Tony Martin served as project leaders for BVA. Dr. Dara Wilber, DynTel Corporation, under contract to WES, assisted in analysis of seine haul and food habits data. Processing of food habits, ichthyoplankton, and sediment granulometry samples was conducted by WES. WES laboratory and data management functions were carried out by Ms. Patricia Tolley, DynTel Corporation. Dr. Kenneth Able and A.M. Muzeni, Rutgers University, have provided expert confirmation of ichthyoplankton identifications and are responsible for all species identifications. Vessel support was furnished by New Jersey Sea Grant. Additional assistance in field operations was provided by Howard Ruben and Robert Will (CENAN).

The contents of this report are organized into chapters representing individual BMP components. Chapters 1, 2, 4, and 8, relating to intertidal, nearshore, and offshore benthic sampling and infauna present in ichthyoplankton samples, were prepared by Dr. Ray. Chapters 5, 6, and 10, relating to seine haul assemblages and fish food habits, were prepared by Drs. Wilber and Clarke. Chapter 3, dealing with ichthyoplankton, was prepared by Drs. Able and Clarke, and A.M. Muzeni. Chapter 7, suspended sediment distributions, was prepared by Dr. Clarke. Chapters 9 and 11, describing results of offshore trawling and recreational fishing survey efforts, were prepared by Mr. Martin for Barry Vittor and Associates.