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THE EFFECTS OF WASTE DISPOSAL IN THE NEW YORK BIGHT

FINAL REPORT

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13. ABSTRACT

Report describes results of studies conducted to obtain data to assess the effects of waste disposal on the marine environment of the New York Bight. The report presents data collected in the area over a 2-year period. It is divided into nine sections: Section No. 1, Introduction; Section No. 2, Benthic Studies, investigations of the benthic meio-fauna and macrofauna distribution in the New York Bight, benthic microbiology, pathological effects of wastes on larger benthic crustaceans, and investigation of basic chemical variables affecting species diversity; Section No. 3, Zooplankton Studies, distribution, seasonal occurrence and vertical migration of zooplankton populations in the dumping grounds; Section 4, Finfish Studies, species distribution and relative abundance, feeding habits, and somatic effects and parasites of fish found in the area; Section No. 5, Chemical Studies, investigations of total organic carbon and distribution of certain abundant heavy metals in the bottom sediments; Section No. 6, Hydrographic Studies, surface and bottom water circulation and temporal changes in the area as inferred from density patterns, surface and bottom drifters, direct current measurements, and by analysis of physical characteristics of the water masses; Section No. 7, Conclusions; Section No. 8, Literature Cited; Section No. 9, Bibliography.

The work was done by SHSFML of NOAA under interagency agreement with the Corps of Engineers through CERC. Data obtained under this report have not yet been reviewed by the Corps of Engineers. The findings in this report are not to be construed as an official Department of the Army position unless so designated by other authorized documents.

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A Report to: The Coastal Engineering Research Center

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