

EXECUTIVE SUMMARY

Through the Disposal Area Monitoring System program (DAMOS), the New England Division of the Corps of Engineers has been supporting a joint EPA-COE project at the CLIS disposal site since March 1982. A description of the Field Verification Program (FVP), the baseline surveys and subsequent disposal site selection have been presented in DAMOS Contributions #23 and 146. The proposed FVP site at the northeast corner of the CLIS open water disposal area (41 degrees 9.39'N, 72 degrees 51.75'W) was characterized by a flat, gently sloping topography with the typical Central Long Island Sound mud bottom. The disposal site was considered to be very homogenous and typical of natural sediments in the region. These conclusions were reached based on sediment chemistry, diver observations and the REMOTS interface camera. Suspended sediment measurements indicated that the potential impact on the FVP site of other proposed disposal operations in the southwest corner of the CLIS disposal area would be negligible.

The most recent cruise was conducted on 19 March 1985 at the FVP site. During this period, a precision bathymetric survey was performed to detect change to mound volume and REMOTS sediment interface photographs were taken to characterize the sediment and benthos. Sediment samples were also collected and taken to the EPA laboratory at Narragansett for chemical and physical analysis, as well as characterization of the benthic community.