

Dataset Originator: Cecilia McHugh, Frank O. Nitsche, Timothy C. Kenna

Publication Date: 2026-09-02

Dataset Title: LIS phase 4 sediment core descriptions

Online Linkage: <http://www.marine-geo.org/portals/lis/>

Abstract: Sediment core descriptions and core photos for sediment cores collected as part of the Long Island Sound mapping project Phase 4. The description is the result of manual observations and inspection of each sediment core and the results are presented as pdf file. Funding was provided by the Long Island Sound Mapping Fund administered cooperatively by the EPA Long Island Sound Study and the Connecticut Department of Energy and Environmental Protection (DEEP).

Dataset purpose: Detailed descriptions provide information about the sediment cores that help understand the sediment history at the location. This information is guiding the sediment environment interpretation.

Time period of content: 2014-08-13 to 2026-03-22

Dataset Status: complete

Update Frequency: none planned

Theme Keywords: Long Island Sound, sediment core, core description

Access Constraints: none

Use Constraints: Data and metadata are licensed under a Creative Commons Attribution 4.0 (CC-BY 4.0) license. Appropriate acknowledgment with a byline/credit/link **must** be given to both the original scientists/data contributors by reference to their relevant publications and to the Marine Geoscience Data System (www.marine-geo.org). Where citation information has been provided to us by scientists it is included with the relevant database entries, and should be acknowledged when data are used. You may browse freely, but you may not circulate or publish materials you obtained from this site if you do not accept the terms of providing adequate citation.

Users are strongly encouraged to contact the original investigators responsible for data made available on this site. Where appropriate, researchers are also encouraged to consider collaboration and/or co-authorship with original investigators.

Data should not be used for navigation purposes.

Point of Contact: Frank Nitsche, Lamont-Doherty Earth Observatory of Columbia University, fnitsche@ldeo.columbia.edu

Dataset Credit: Long Island Sound Mapping Project, Cecilia McHugh, Frank O. Nitsche, Timothy C. Kenna

Data Quality Considerations: Description is based on visual inspection of the sediment cores

Attribute accuracy: Description is based on visual inspection of the sediment cores. Depths along the core are determined by a ruler.

Completeness: *The dataset is complete.*

Positional accuracy: *Location is based on DGPS using the ship GPS antenna.*

Attributes: *The description includes a copy of the core photo, a graphical description of the lithology, a text description of the lithology including color (Munsell color scale) and descriptions of additional observations.*

Metadata reference: *Frank Nitsche, Lamont-Doherty Earth Observatory of Columbia University, fnitsche@ldeo.columbia.edu*