

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

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Dataset Title: *LIS phase 4 sediment core location and acquisition information*

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

Abstract: *This dataset contains the name, location, date, and acquisition details of the sediment cores collected as part of the Long Island Sound mapping project Phase 4.*

Dataset purpose: *Sediment cores provide information on changes in the sediment environments over time including periods of deposition or erosion, as well as changes in chemical composition with time. This information is guiding the sediment environment interpretation.*

Time period of content: *2024-08-13 to 2026-03-22*

Dataset Status: complete

Update Frequency: *none planned*

Theme Keywords: *Long Island Sound, sediment core, location, data acquisition*

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.

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

Data Quality Considerations: Description is based on field notes.

Attribute accuracy: Name, platform, date and time are accurate. Positions (lat, lon) are based on ship DGPS. Water depth is based on depth sounder reading; core length is measured after opening the core.

Completeness: *The dataset is complete.*

Positional accuracy: *Location is based on DGPS using the ship GPS antenna for most cores resulting +/- 5 m accuracy.*

Attributes:

Survey: text field that describes the identifier of the field survey

Name: text field describing the sediment core identifier, consisting of survey name, GC for gravity core and a number

Short_name: abbreviated version of the name, which might be better suited for some map display

Lat: Latitude of core location in decimal degrees

Lon: Longitude of core location in decimal degrees

Date: Date when the core was taken (in ISO format)

Time: Time when the core was taken (in 24-hour ISO format)

Platform: name of the ship used to retrieve the sediment core

Type: Text describing the type of coring device used for retrieving the core (text)

W_depth_m: water depth at the location where the core was retrieved (in meter) based on ship sounder

Length_m: length of the retrieved sediment core (in meter)

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