

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

Publication Date: 2026-09-01

Dataset Title: *LIS phase 4 sediment core images*

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

Abstract: *Images of the sediment cores collected as part of the Long Island Sound mapping project Phase 4. The images were taken of on split cores at the Lamont core repository using the Itrax imaging system and converted to jpeg. The images have been cropped to fit closely to the core extent. A x-ray radiograph from the center of the core, also collected by the Itrax system has been overlayed in the center of the image*

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. Detailed images of the sediment cores provide information on layering and visual changes and disturbances along the core. This information is guiding the sediment environment interpretation. 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).*

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, photo*

Access Constraints: *none*

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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, Frank O. Nitsche, Timothy C. Kenna, Cecilia McHugh*

Data Quality Considerations:

Attribute accuracy: Image color has been carefully calibrated by the image system using color charts. Depth markers are approximate every 10 cm along the cores.

Completeness: *The dataset is complete.*

Positional accuracy: This dataset does not contain positional information

Attributes:

Images are shown in RGB colors. The xray part is shown in gray scale.

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