

Infaunal Community Database for the Long Island Sound Cable Fund Initiative Phase II area of eastern Long Island Sound

METADATA

Dataset Originator: *University of New Haven; Roman N. Zajac*

Publication Date: *6/30/2021*

Dataset Title: *Community composition and abundance at infaunal sample sites in eastern Long Island Sound.*

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

Abstract: *This Excel file contains data for taxa and their abundance at for each infaunal sample site in the Long Island Sound Cable Fund Initiative Phase II area of eastern Long Island Sound. The data were collected using the USGS SEABOSS system on the Research Vessel Connecticut (University of Connecticut) in November/December 2017 and May 2018.*

Dataset purpose: *This dataset provides the data for the composition and abundance of all infaunal taxa in the Phase II study area which formed the basis of analyzing infaunal community characteristics relative to environmental features and the distribution of patch types in the Phase II study area to meet the Long Island Sound Cable Fund's goal of ecological characterization of the Long Island Sound sea floor in conjunction with habitat mapping efforts.*

Time period of content: *These data were collected over a 10-day spans in November / December 2017 and May 2018*

Dataset Status: *Complete*

Update Frequency: *None Planned*

Theme Keywords: *Benthic ecology, Infauna, Sea floor communities, Coastal and Marine Ecological Classification Standard, CMECS, Connecticut, New York, Long Island Sound, Fishers Island Sound, estuary, Long Island Sound Mapping and Research Collaborative, LISMaRC*

Access Constraints: *none*

Use Constraints:

Data and metadata are licensed under a [Creative Commons Attribution-Noncommercial-Share Alike 3.0 United States License](https://creativecommons.org/licenses/by-nc-sa/3.0/). 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.

Data are provided with the express understanding that they will not be sold to third parties or included in commercial databases.

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: Roman N. Zajac, University of New Haven, rzajac@newhaven.edu

Dataset Credit: *The Long Island Sound Mapping and Research Collaborative (LISMaRC). LISMaRC is the University of Connecticut, the University of New Haven and the US Geological Survey. Funding provided by the Long Island Sound Seafloor Mapping Fund administered cooperatively by the EPA Long Island Sound Study and the Connecticut Department of Energy and Environmental Protection (DEEP).*

Data Quality Considerations: *see below*

Attribute accuracy: *All attributes were evaluated during data processing and analysis as standard quality control to ensure attributes contain accurate and relevant information and values.*

Completeness: *The information provided on infaunal communities is complete*

Positional accuracy: *Doeas not appy but positions of all samples can be obtained in the associated shapefiles*

Process Steps: *Sediment samples were obtained using the USGS SEABOSS system were washed on a 1 mm sieve using filtered seawater and preserved in 70% ethanol. Samples were sorted using a dissecting microscope and all individuals identified to the lowest taxonomic level possible. All taxonomy was verified using the World Register of Marine Species (WoRMS) <http://www.marinespecies.org/index.php>)*

Attributes:

Top Row: Provides sampling station identifiers for sampling stations in columns

Subsequent rows: Provide the number of individuals of any specific taxon found in the sample; sample area was 0.1 m²

First four columns provide the name of the taxon, and its Phylum, Class, and Family

Metadata reference: Roman N. Zajac, University of New Haven, rzajac@newhaven.edu