

Long Island Sound Blue Plan – Potential Data Products Review

Map Book Table of Contents:

Recreational SCUBA Diving

Recreational Scuba Diving

- Recreational Scuba Diving Areas
- Underwater Activity

Marine Transportation, Navigation, and Infrastructure

- NOAA AWOIS Shipwrecks

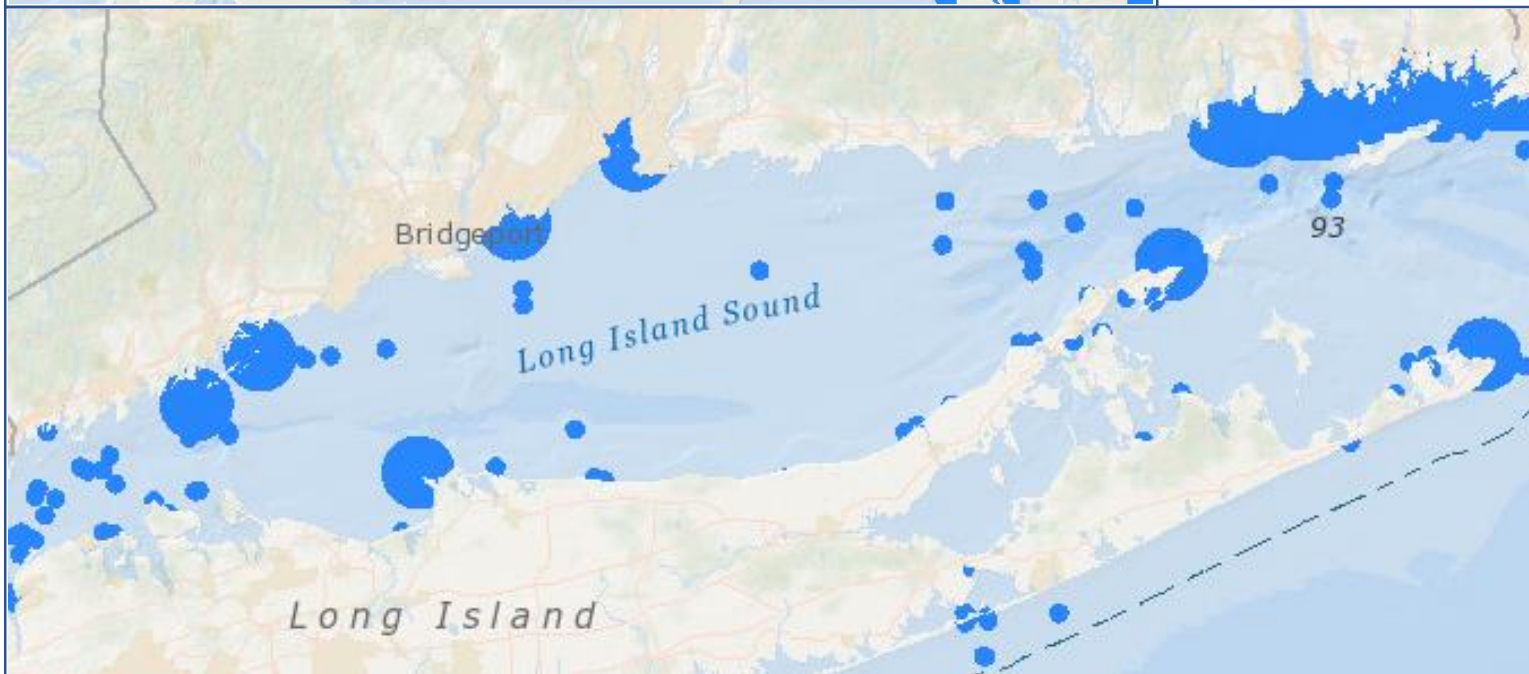
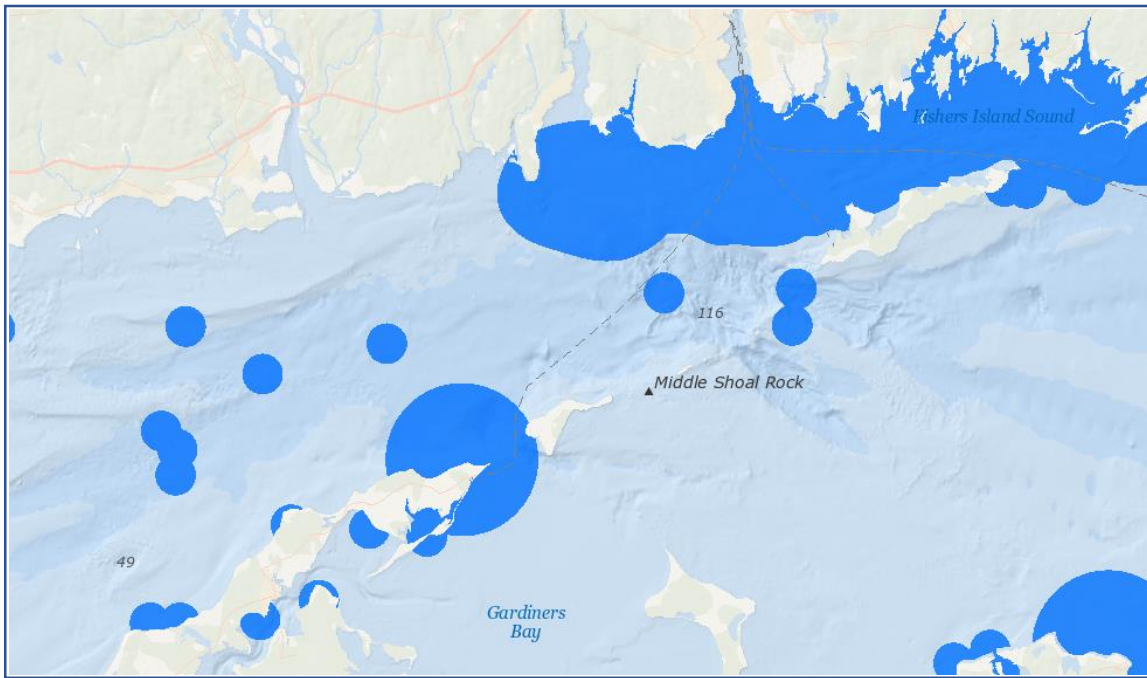
Recreation and Tourism

- Coastal Access Sites

Recreational SCUBA Diving Areas

(Northeast Ocean Data Portal)

Source: SeaPlan, Surfrider, and Point 97



Recreational SCUBA Diving Areas



Recreational SCUBA Diving Areas



Blue Plan Sector(s): Recreation & Tourism > SCUBA & Recreational Diving

Summary Description: The Recreational SCUBA Diving Areas layer is a composite of data collected through several methods which include outreach to the SCUBA diving community and mining existing data sources. Data were collected as part of the Northeast Coastal and Marine Recreational Use Characterization Study which was conducted by SeaPlan, the Surfrider Foundation, and Point 97 under the direction of the Northeast Regional Planning Body. Sources include the following:

- State-based online GIS data portals: Data were downloaded from the New York State Geographic Information Gateway and the Massachusetts Ocean Resource Information System (MORIS)
- SCUBA guides: Authoritative guides published either online or in print which provide coordinates of sites or detailed descriptions of site locations
- Online survey data: Data obtained using an online mapping and survey tool which collected information on the location and characteristics of SCUBA sites from diving experts from March – May 2015
- PGIS workshop data: Data obtained during in-person PGIS (participatory geographic information systems) mapping workshops held in the spring of 2015. Workshop participants used an electronic stylus pen to digitize SCUBA areas on a projected GIS-based map, which allowed the features to be automatically saved and then attributed with information the participants shared during the concurrent session.
- Other: Data were obtained through other sources, such as phone conversations with SCUBA experts, or derived from a spatial dataset which hasn't been published or otherwise been made publically available.

To address data confidentiality and site sensitivity concerns, site-specific areas mapped online or in person were generalized by applying a buffer to the center point of the mapped area. A buffer was also applied to points derived from outside research

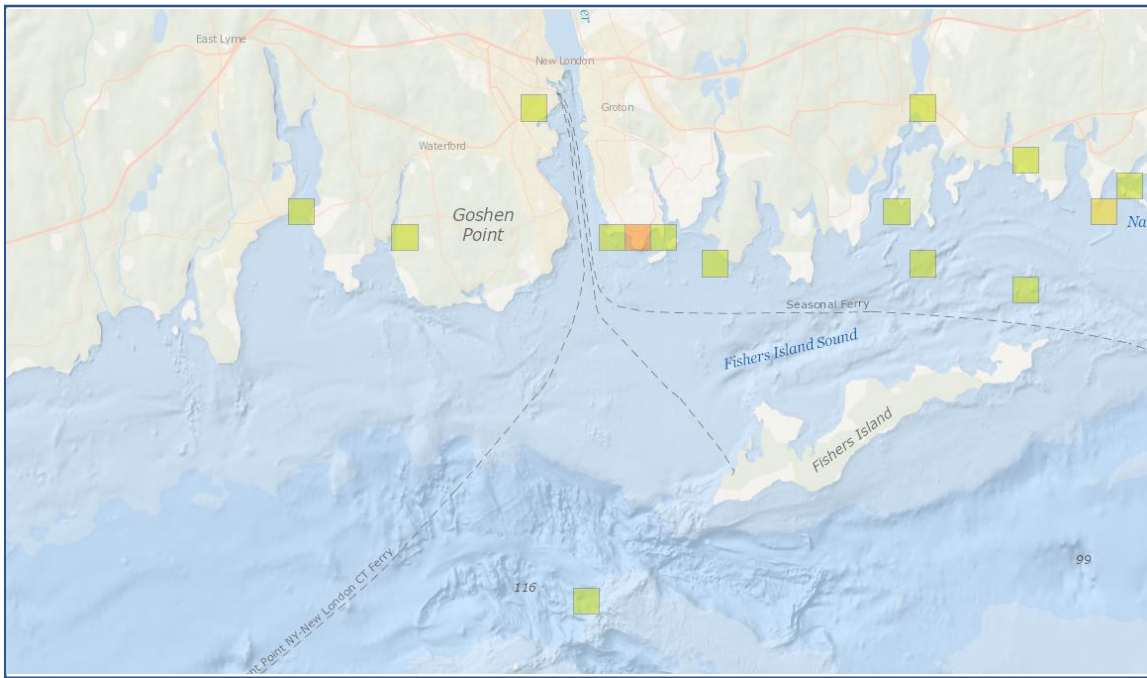
Full Description: <http://www.northeastoceandata.org/files/metadata/Themes/Recreation/RecreationalSCUBADivingAreas.pdf>

Access Instructions: Go to <http://www.northeastoceandata.org/data-explorer/>. Recreation > Recreational SCUBA Diving Areas

Underwater Activities

(Mid-Atlantic Ocean Data Portal)

Source: Point 97, Surfrider Foundation, Urban Coast Institute at Monmouth University, and The Nature Conservancy



Coastal Recreation Survey: Underwater Activities
(scuba diving from a charter boat, scuba diving from the shore or a boat, free diving/snorkeling)

Intensity of Use



Underwater Activities

Blue Plan Sector(s): Recreation & Tourism > SCUBA & Recreational Diving

Summary Description: *Abstract:* The data is displayed using a 1 kilometer by 1 kilometer grid for the U.S. Mid Atlantic coastline and offshore areas. The grid was created in ArcGIS 10.1 using the "Create Fishnet" tool. A polygon shapefile was created covering the extent of the Mid Atlantic region and was used as the feature class the grid was created from. After the grid was created, a union was run to remove the grid cells that fell inland of the medium-resolution NOAA coastline. The final result was the 1 kilometer by 1 kilometer planning unit grid extending from New York down to Virginia, following the coastline, and extending offshore far enough to intersect all activity points. The grouped activity points were merged together and summarized to the planning unit grid, leaving each cell with a value equal to the number of points that fell within that cell. In the attribute table, the number of each individual activity that make up the activity group is available to see what activities took place within that particular cell. *Purpose:* The goal of this study was to gather data on coastal and ocean recreation spatial use patterns to inform marine planning efforts in the U.S. Mid Atlantic region. The following is a description of the methods used to create the data for the Mid Atlantic Coastal and Ocean Recreation Study. The data were collected through an online survey deployed from July 1, 2013 to December 31, 2013. The survey respondents provided spatial information by placing a marker to indicate where they recreated on the coast in the last 12 months. The activity points used for this underwater activities group were SCUBA diving from a charter boat, SCUBA diving from shore or a boat, and free diving/snorkeling. This dataset shows a 1 kilometer by 1 kilometer planning unit grid that the underwater activity points were summarized to.

Full Description:

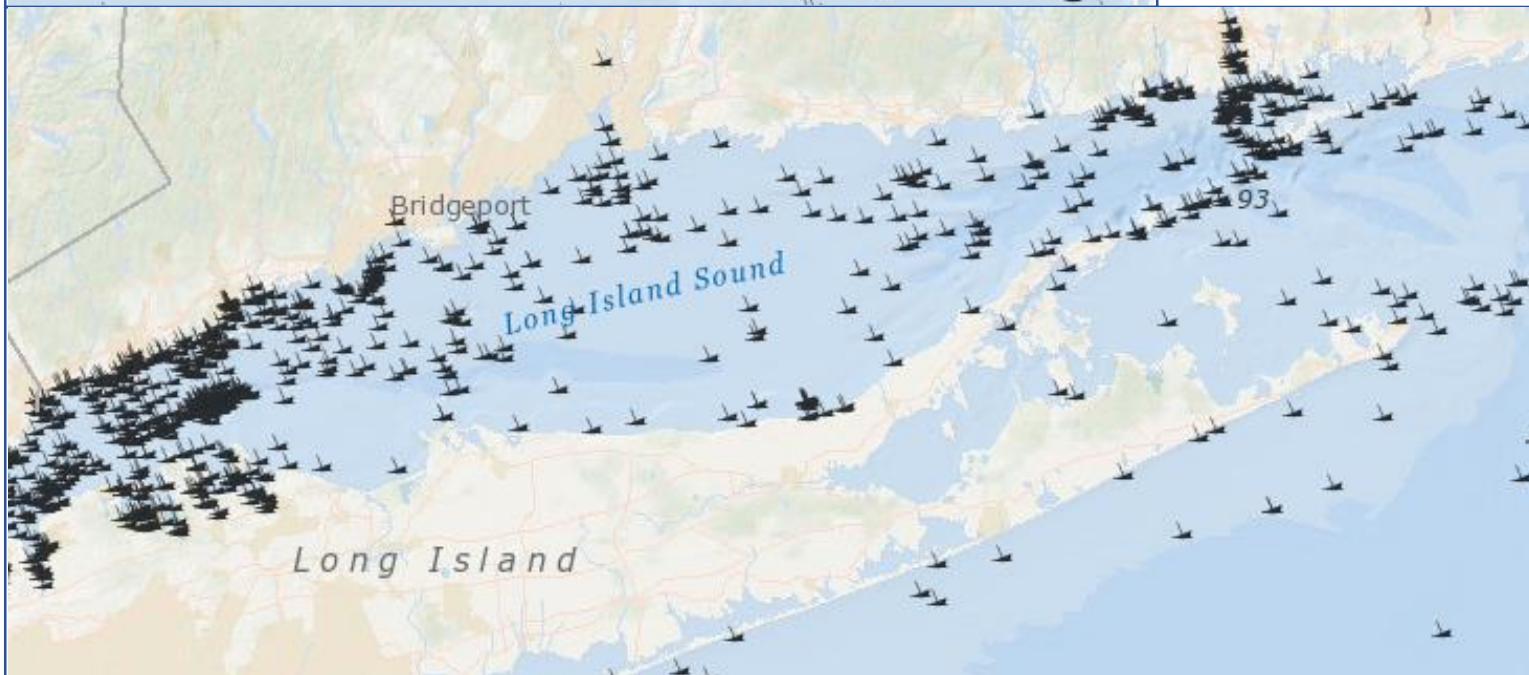
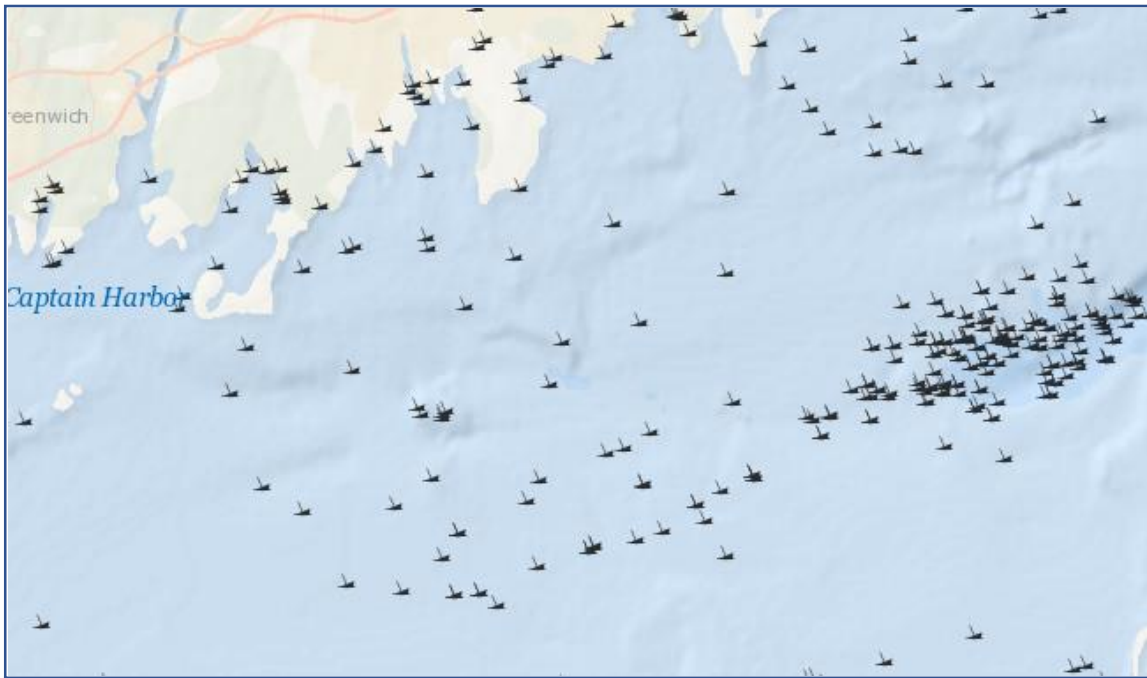
http://portal.midatlanticocean.org/static/data_manager/metadata/html/CoastalRec_REG_Underwater_PUG_final.html

Access Instructions: Go <http://portal.midatlanticocean.org/visualize>. Go to Recreation > Coastal Recreation Survey > Underwater Activities

Shipwrecks

(Northeast Ocean Data Portal)

Source: NOAA Office of Coast Survey



Wrecks and Obstructions



Shipwrecks

Blue Plan Sector(s): Marine transportation, Navigation, and Infrastructure

Summary Description: *Abstract:* The Automated Wreck and Obstruction Information System (AWOIS) is an automated file that contains information on wrecks and obstructions, and other significant charted features in coastal waters of the United States subject to NOS Hydrographic Surveys. Items in this file are individually catalogued and are accompanied by historic and descriptive information gathered from field observations and Government and private publications. Approximately 96% of the items have a position in latitude and longitude (NAD83), original datum information, a position accuracy code, a source quality code, a charted symbol code, a chart number, and project information. Each item has also been evaluated for the adequacy of the available information as it relates to future surveys and nautical charting activities and may carry a specific recommendation for the type of survey investigation required to improve the quality of known information .

Full Description:

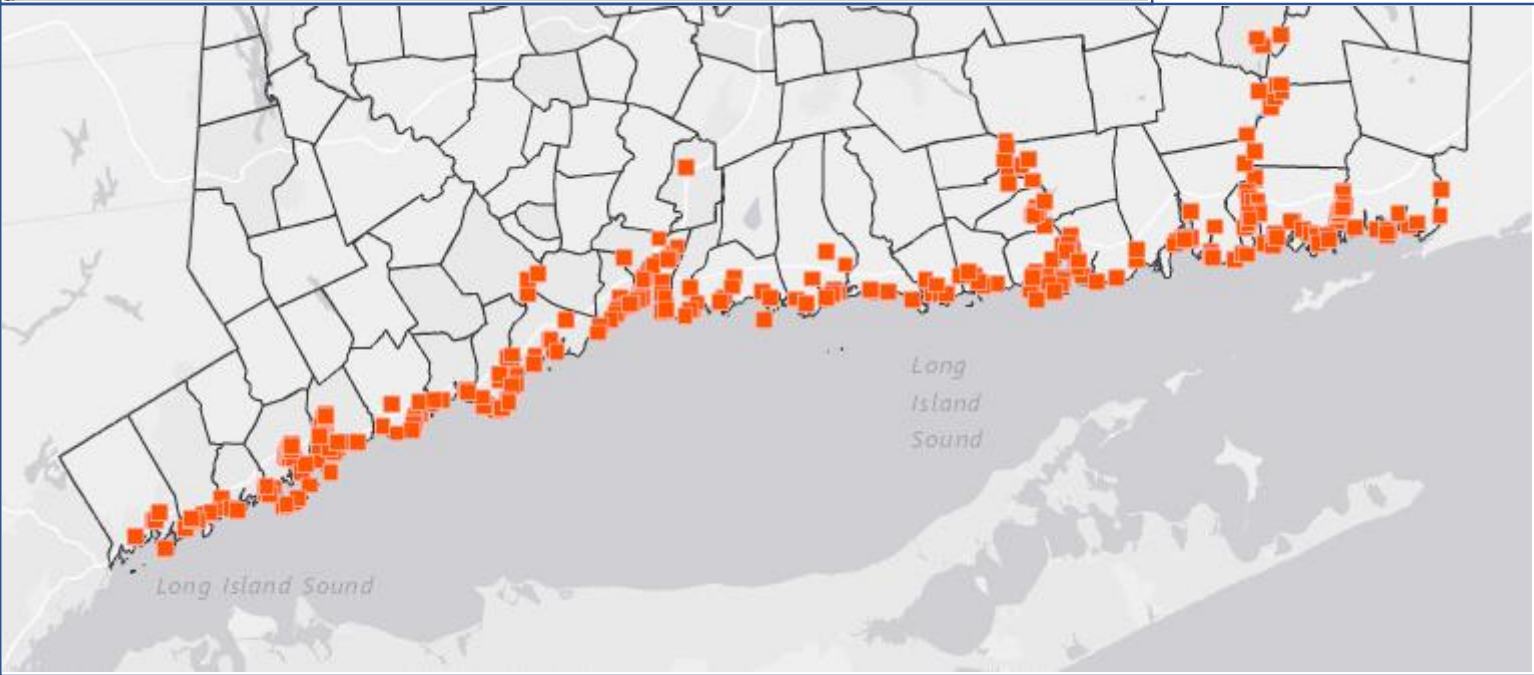
<http://www.northeastoceandata.org/files/metadata/Themes/MarineTransportation/WrecksandObstructions>

Access Instructions: Go to <http://www.northeastoceandata.org/data-explorer/>. Go to Marine Transportation > Navigation > Shipwrecks

Coastal Access Sites

(CT Aquaculture Mapping Atlas)

Source: CT DEEP



Coastal Access Sites

A legend box with a dark blue background. It contains the text "Coastal Access Sites" in white, followed by a small orange square icon.

Coastal Access Sites



Blue Plan Sector(s): Recreation & Tourism > General

Summary Description: This layer displays public coastal access sites along the Connecticut shore. The general public may freely use these lands and waters, whether they are beach, rocky shore, or open water, for traditional public trust uses such as fishing, shellfishing, boating, sunbathing, or simply walking along the beach. In Connecticut, a line of state Supreme Court cases dating back to the earliest days of the republic confirm that private ownership ends at mean high water line, and that the state holds title to the lands waterward of mean high water, subject to the private rights of littoral or riparian access.

Full Description:

[https://clear3.uconn.edu/arcgis/rest/services/Maps/ShellfishWebApp2013/MapServer/5](https://clear3.uconn.edu/arcgis/rest/services/Maps/ShellfishWebApp2013/MapServer/5;);
http://www.ct.gov/deep/cwp/view.asp?a=2705&q=323788&deepNav_GID=1635

Access Instructions: Go to <https://clear3.uconn.edu/viewers/shellfish/>. Go to Coastal Access Sites