

# HCOM Update

NROC  
November 5, 2015

Becca Newhall and Matt Nixon

# Data Sharing Agreement

NROC members will upload their data to an agreed-upon service (currently the U.S. Federal Mapping Coordination Seasketch site, in future potentially housed at [geoplatform.gov](#) or other federal coordination site) in the month prior to an NROC meeting (three times a year). Each NROC member state and federal representative to the Habitat Classification and Ocean Mapping Subcommittee will be responsible for providing current needs and mapping plans, and then updating those data as the need arises through a central contact that manages the online service. Concurrently, if there are significant changes to plans, an effort will be made to share those in a timely manner with the Habitat Classification and Ocean Mapping Subcommittee. It is understood that the plans and needs shared in Seasketch are preliminary and may change at any point. The shared plans and needs are to be used solely for the purpose of starting conversations for leveraging mapping opportunities – not as something to be held accountable to.

# SeaSketch

Bathymetry | Northeast O... SeaSketch - Better decisio...

www.seasketch.org/#projecthomepage/5272840f6ec5f42d210016e4

Apps webTA: Login: com.t... OCM Login Page Gelco Travel Manag... Fed Travel | Travel pl... CZMA CAMMP

U.S. Federal Mapping Coordination  
A Demonstration Site for Federal Mapping Data Acquisition Coordination

seasketch

English take a tour help Sign In

Data Layers My Plans Participate

Data Layers Basemap Legend & Ordering

Search layers by name or keyword

Mapping Priorities: Needs, Requirements

Areas of Interest (specifying of data types is optional)

Federal

- Marine Protected Area Boundaries - NERRS, NMS, NWR

NOAA

- NOAA NERRS Lidar Survey Need Elkhorn Slough
- NOAA Deep-Sea Corals Calif Acoustic ROV/AUV (SWFSC)
- NOAA SEFIS Acoustic/Bio Priority Areas
- NOAA Cordell Bank NMS priority mapping areas
- NOAA\_Channel\_Is\_NMS\_Bathy\_AOI
- NOAA NMFS Priority Conservation Areas

BOEM

- BOEM Pacific Priorities
- BOEM\_eastcoast\_wind\_energy\_areas
- BOEM 2014 Hawaii Interest Area
- BOEM\_MMP\_Atlantic\_Project Interest Area

Lake Champlain Montpelier Concord Augusta 261 288 371 Gulf of Maine Boston Albany Hartford Providence Georges Bank

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# State Needs and Plans

The screenshot shows a web-based mapping application for coastal bathymetry and resource planning. The map displays the Northeast coast of the United States, including Lake Champlain, the Hudson River, the Connecticut River, the Long Island Sound, and the Gulf of Maine. Key cities labeled include Montpelier, Concord, Albany, Boston, Hartford, Providence, and New York. The map includes depth contours (isobaths) labeled 261, 288, 292, and 371, and various colored areas representing different mapping priorities and resource areas.

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**seasketch**

**Data Layers**

- NROC\_HCOM\_LIS\_priority\_areas metadata
- Focus\_Area\_2 metadata
- MCMI\_2014\_Survey\_Area metadata
- MappingPriorities\_25March2015 metadata

**MappingPriorities\_25March2015**

- Data Gap - Salisbury, 1a
- Nearshore - Salisbury, 1b
- Offshore - Salisbury, 1c
- Southern Cape Cod Bay, 2
- Potential Sand Resource Area - Western Massachusetts Bay, 3a
- Potential Sand Resource Area - Southern Massachusetts Bay, 3b
- Potential Sand Resource Area - Western Cape Cod Bay, 3c
- Potential Sand Resource Area - Eastern Cape Cod Bay, 3d
- Potential Sand Resource Area - Eastern Nantucket Sound, 3e

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# State Needs and Plans

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Lake Champlain Montpelier\* Augusta\* Concord 261 288 371 Boston Providence New York Georges Bank

NROC\_HCOM\_LIS\_priority\_areas (1 of 2)

OBJECTID	1
Shape	Polygon
OBJECTID_1	1
MAP_LABEL	High - WLIS
area_sq_mi	107.989769
Shape_Leng	175606.655564
STATUS	Pending
Shape_Length	1.869378
Shape_Area	0.029938
Contact	Kevin.OBrien@ct.gov

Zoom to

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Data Layers My Plans Participate

Data Layers Basemap Legend & Ordering

NROC\_HCOM\_LIS\_priority\_areas metadata

Focus\_Area\_2 metadata

MCMI\_2014\_Survey\_Area metadata

MappingPriorities\_25March2015 metadata

MappingPriorities\_25March2015 metadata

- Data Gap - Salisbury, 1a
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- Potential Sand Resource Area - Eastern Cape Cod Bay, 3d
- Potential Sand Resource Area - Eastern Nantucket Sound, 3e
- Potential Sand Resource Area - Western Nantucket Sound, 3f

# Topobathy Lidar

Bathymetry | Northeast O... SeaSketch - Better decisio...

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U.S. Federal Mapping Coordination A Demonstration Site for Federal Mapping Data Acquisition Coordination

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English take a tour help Sign In

Lake Champlain Montpelier\* Concord Augusta\* 261 288 371

Gulf of Maine

Albany Boston Providence Hartford New York Long Island Sound Georges Bank

Data Layers My Plans Participate

Data Layers Basemap Legend & Ordering

image layers

- tb\_tracking\_inhouse\_seasketch [metadata](#) ⬤ ⬤
- USACE Planned Ongoing Lidar - 2015 [metadata](#) ⬤ ⬤ ⬤
- USACE Planned Ongoing Lidar - 2016 [metadata](#) ⬤ ⬤ ⬤
- USACE Planned Ongoing Lidar - 2017 [metadata](#) ⬤ ⬤ ⬤
- USACE Planned Ongoing Lidar - 2018 [metadata](#) ⬤ ⬤ ⬤
- USGS\_topobathy\_area1\_06152015 [metadata](#) ⬤ ⬤

restore default order and transparency

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# Acoustic/Sonar (Hydro, Bathy, Water Column)

Bathymetry | Northeast O... SeaSketch - Better decisio...

www.seasketch.org/#projecthomepage/5272840f6ec5f42d210016e4

Apps webTA: Login: com.t... OCM Login Page Gelco Travel Manag... Fed Travel | Travel pl... CZMA CAMMP

U.S. Federal Mapping Coordination A Demonstration Site for Federal Mapping Data Acquisition Coordination

seasketch English take a tour help Sign In

Lake Champlain Montpelier\* Concord Augusta\* 261

Albany Boston 292 371

Hartford Providence Cape Cod Bay Georges Bank

New York

Data Layers My Plans Participate

Data Layers Basemap Legend & Ordering

vector layers

PASSfy15fy16 [metadata](#)

image layers

NOAA OCS Survey Plans 2015-17 [metadata](#)

2015  
2016  
2017

FISHPAC\_16\_tracklines [metadata](#)

NROC\_HCOM\_LIS\_priority\_areas [metadata](#)

NF-15-08\_v1\_surveyareas [metadata](#)

NF\_2015\_USVI [metadata](#)

CY16\_IOCM\_CBO\_SurveyArea [metadata](#)

NCCOS\_FY16\_Survey\_Plans [metadata](#)

NEFSC\_BOEM\_BenthicHabitat [metadata](#)

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The map displays bathymetric data for the Northeast coast of the United States, specifically focusing on Lake Champlain, the Hudson River, the Connecticut River, Long Island Sound, Cape Cod Bay, and the Gulf of Maine. The survey areas are outlined in red, and specific survey tracks are shown as blue lines. The 'Data Layers' panel on the right provides access to detailed metadata for each survey plan, including years 2015, 2016, and 2017.

# Digital Imagery

Bathymetry | Northeast O... SeaSketch - Better decisio...

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**U.S. Federal Mapping Coordination**  
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seasketch

Lake Champlain  
Montpelier  
Concord  
Albany  
Hartford  
Providence  
Boston  
Cape Cod Bay  
Long Island Sound  
New York  
Augusta  
261  
288  
371  
Georges Bank

Data Layers My Plans Participate

Data Layers Basemap Legend & Ordering

image layers

- NOAA\_ESI\_landuse\_landcover\_PR\_VI [metadata](#)
- NOAA\_ESI\_landuse\_landcover\_guam\_as\_hi [metadata](#)
- FY15 [metadata](#)
- FY15\_OB [metadata](#)
- FY16 [metadata](#)
- T2014 [metadata](#)
- T2015 [metadata](#)
- T2016 [metadata](#)
- T2017 [metadata](#)
- T2018 [metadata](#)
- T2019 [metadata](#)

restore default order and transparency

POWERED BY esri

www.seasketch.org/#

# DEM<sup>s</sup> and CSCAP

The screenshot shows a web browser window displaying the SeaSketch platform. The URL in the address bar is [www.seasketch.org/#projecthomepage/5272840f6ec5f42d210016e4](http://www.seasketch.org/#projecthomepage/5272840f6ec5f42d210016e4). The page title is "SeaSketch - Better decision making".

The main content area displays a map of the Northeast coast of North America, including Lake Champlain, Vermont, New Hampshire, Massachusetts, Rhode Island, Connecticut, and parts of New York and Maine. The map shows bathymetry contours and various data points marked with colored dots (red, blue, green, yellow) and polygons. Labels on the map include Montpelier, Concord, Albany, Boston, Providence, Hartford, and Augusta.

The right side of the screen features a "Data Layers" sidebar. At the top of the sidebar are buttons for "Data Layers", "Basemap", and "Legend & Ordering". Below these buttons is a section titled "image layers" containing a list of metadata entries for each year from 2014 to 2019. Each entry consists of a colored dot (representing the year), the year, and a link to "metadata".

- 2014 [metadata](#)
- 2015 [metadata](#)
- 2016 [metadata](#)
- 2017 [metadata](#)
- 2018 [metadata](#)
- 2019 [metadata](#)

Below this list are two additional items:

- NGDC\_FY\_CY14\_DEMs** [metadata](#)
- tiles\_delivery2\_3\_sandy\_FY15** [metadata](#)

At the bottom of the sidebar is a link to "restore default order and transparency".

The SeaSketch logo is visible at the top right of the map area. The Esri logo is at the bottom right. The top navigation bar includes links for "English", "take a tour", "help", and "Sign In".

# Maine and NOAA OCS

The screenshot shows a web-based mapping application for survey planning. On the left, a map of the New England coast, specifically focusing on Maine, displays several survey areas outlined in blue and green. A legend in the bottom right corner identifies these colors: blue for 2015, green for 2016, and light blue for 2017. The map also includes place names like "shire" and "Concord".

The top navigation bar includes links for "Multibeam Sonar Surveys" and "SeaSketch - Better decision...". The address bar shows the URL [www.seasketch.org/#projecthomepage/5272840f6ec5f42d210016e4](http://www.seasketch.org/#projecthomepage/5272840f6ec5f42d210016e4). The header features the "U.S. Federal Mapping Coordination" logo and the "seasketch" logo.

The right side of the interface contains a "Data Layers" panel with tabs for "Data Layers", "Basemap", and "Legend & Ordering". It lists "image layers" such as "NOAA OCS Survey Plans 2015-17" (with metadata) and "MCMI\_2014\_Survey\_Area" (with metadata). There are also buttons for "My Plans" and "Participate". A link at the bottom right says "restore default order and transparency".

At the bottom center, it says "POWERED BY esri".



# NORTHEAST OCEAN DATA

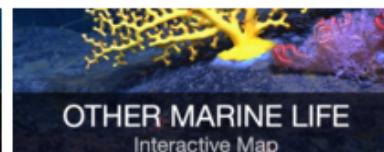
Maps and data for ocean planning in the northeastern United States

[HOME](#)[MAPS](#)[DATA](#)[ABOUT](#)

MAMMALS & TURTLES  
Interactive Map



FISH & SHELLFISH  
Interactive Map



OTHER MARINE LIFE  
Interactive Map



EELGRASS  
Data Resources & Interactive Map



HABITAT  
Story Map



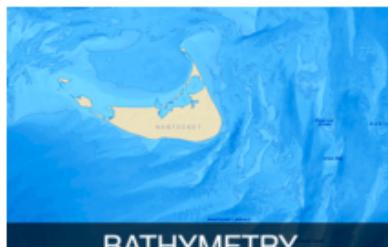
Anticipated Release:  
2015  
BIRDS  
Interactive Map



[LAUNCH THE DATA EXPLORER](#)

The Data Explorer provides maps of all available datasets. Any combination of data can be viewed on a single map.

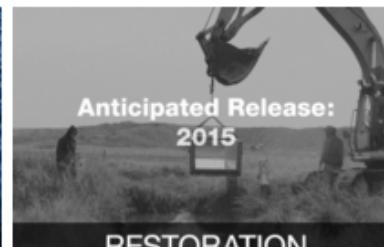
## ENVIRONMENT



BATHYMETRY  
Data Resources & Interactive Maps



WATER QUALITY  
Interactive Map



Anticipated Release:  
2015  
RESTORATION  
Interactive Map

## What's Next?

Northeast Ocean Data adds data, maps, and website enhancements on a rolling basis. Find out what's currently in development.

[UPCOMING PRODUCTS](#)

## NEWS

Upgraded Data Explorer Map Provides New Functionality and Enhanced Performance October 8,

# NORTHEAST OCEAN DATA

Maps and data for ocean planning in the northeastern United States

HOME

MAPS ▾

DATA ▾

ABOUT ▾



## BATHYMETRY

QUICK LINKS > [Bathymetry Home](#) | [Multibeam Sonar Surveys](#) | [Featured Products](#) | [Ongoing and Planned Surveys](#) | [Other Bathymetry Resources](#)



1 2 3 4 5 6 7 8

Northern Tip of Block Island

### Multibeam Sonar Surveys

High-resolution bathymetry data

### Featured Products

Bathymetry surveys covering selected areas in the region

### Ongoing and Planned Surveys

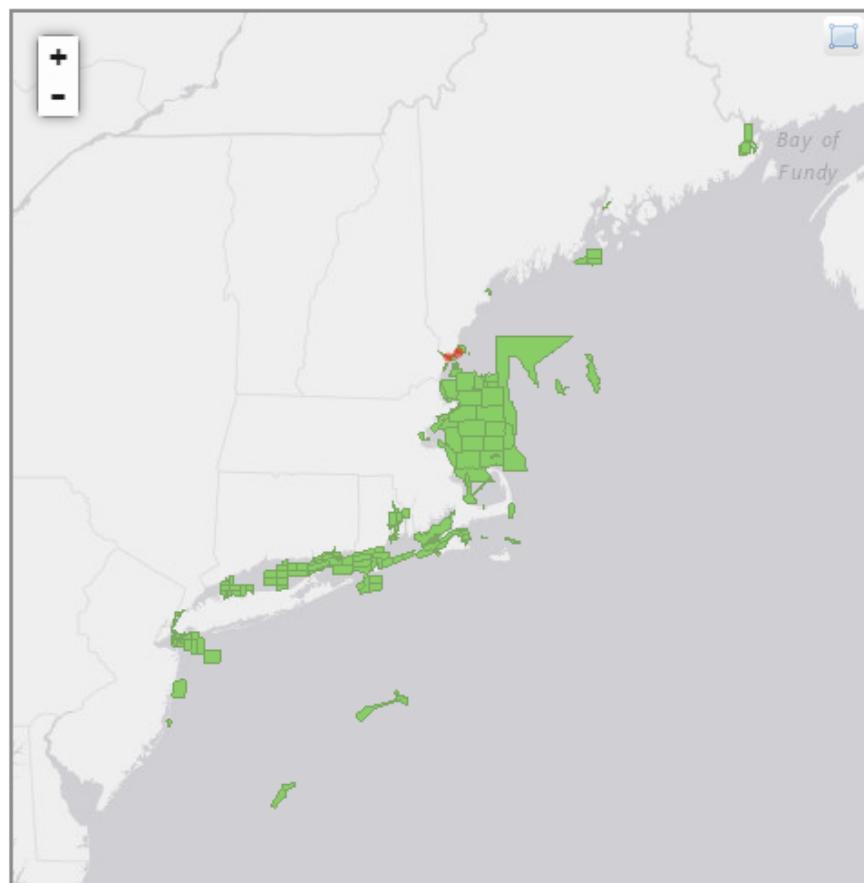
Bathymetric surveys currently occurring or planned in the region

### Other Bathymetry Resources

Selected additional sources of bathymetry data

# NORTHEAST OCEAN DATA

Maps and data for ocean planning in the northeastern United States

[HOME](#)[MAPS](#)[DATA](#)[ABOUT](#)

STATE	PLACENAME	DATE	RESOLUTION (m)	SOURCE
ME	Gulf of Maine - Scantum Basin	2013-09-13	4, 8, 16	NOAA
ME	Approaches to Portland	2005-08-31	.75	NOAA
ME	3 NM southeast of York Harbor	2009-10-05	1, 2	NOAA
ME	Vicinity of Boon Island	2011-10-05	.5, 2	NOAA
ME	Approaches to Portland	2005-08-31	1	NOAA
ME	Southern Penobscot Bay	2010-09-28	.5, 1, 2, 4, 8	NOAA
ME	Falls Island, Dennys Bay and Whiting Bay	2010-09-27	1, 2	NOAA
ME	Cobscook Bay	2010-10-13	1, 2	NOAA
ME	Eastern Cobscook Bay and Friar Roads	2010-10-26	1, 2, 4, 8	NOAA

# Links

- SeaSketch -  
[http://www.seasketch.org/#projecthomepage/  
5272840f6ec5f42d210016e4](http://www.seasketch.org/#projecthomepage/5272840f6ec5f42d210016e4)
- Data Portal - <http://www.northeastoceandata.org/>