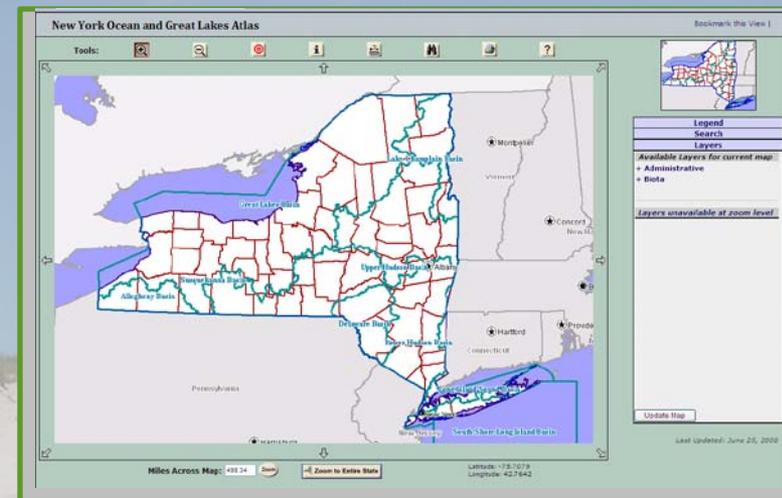


New York Ocean & Great Lakes Atlas

Jeff Herter - Staff - New York Ocean & Great Lakes Ecosystem Conservation Council

Rebecca Newhall – Staff - New York Ocean & Great Lakes Ecosystem Conservation Council

David Healy – Stone Environmental

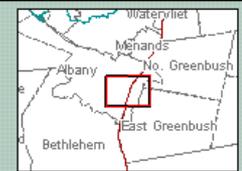


GeoTools 2009 - March 4, 2009

New York Ocean and Great Lakes Atlas

Bookmark this View | Previous View |

Tools: [Zoom In] [Zoom Out] [Home] [Info] [Layers] [Print] [Help]



Legend

- Adirondacks/Catskills
- Bathymetry (Contours) - Hudson River Estuary
- Boat Launch
- Cities & Towns
- Counties
- County Recreation
- Federal Non-Recreation
- Federal Recreation
- Fish (NOAA ESI) - Hudson Valley
- Government Office
- Institution
- Major Retail Center

Search

Layers

Available Layers for current map

+ Administrative

- Biota

+ Commercial Shellfish (Mollusk) Distribution and Habitat

- Fish Distribution and Habitat

Layer

Fish (NOAA ESI) - Hudson Valley

Update Map

+ Grass Distribution and Habitat

- Elevation

- Bathymetric Contours

Layer

Bathymetry (Contours) - Hudson

Why an Atlas?

Miles Across Map: 2.90 [Zoom] [Zoom to Entire State]

Latitude: -73.7479
Longitude: 42.6467

New York Ocean and Great Lakes Ecosystem Conservation Act

“to conserve, maintain and restore coastal ecosystems so that they are healthy, productive, resilient and able to deliver the resources people want and need”

The Council...



Member Agencies

Department of Agriculture and Markets

Department Economic Development

Department of Environmental Conservation

Office of General Services

Department of Transportation

Office of Parks, Recreation, and Historic Preservation

Department of State

New York State Energy Research and Development Authority

State University of New York

New York Ocean and Great Lakes Ecosystem Conservation Council

Place-based Partners

State and National Estuary Programs

Other Regional Programs

Council Demonstration Projects

Inter-municipal Watershed Projects

Agency Steering Committee

Stakeholder Advisory Group

Scientific Advisory Group

Technology Working Group

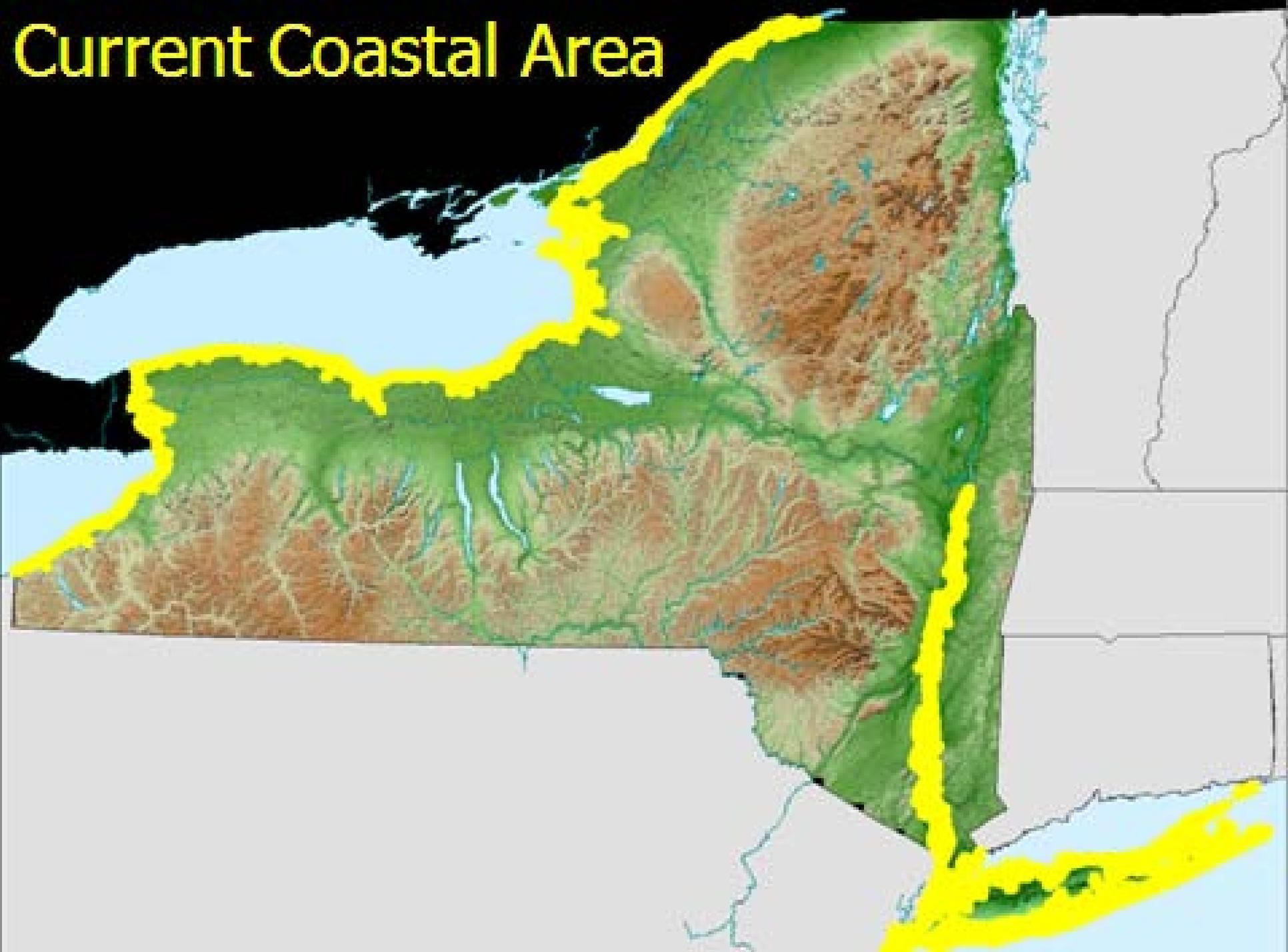
Ocean Working Group

Great Lakes Working Group

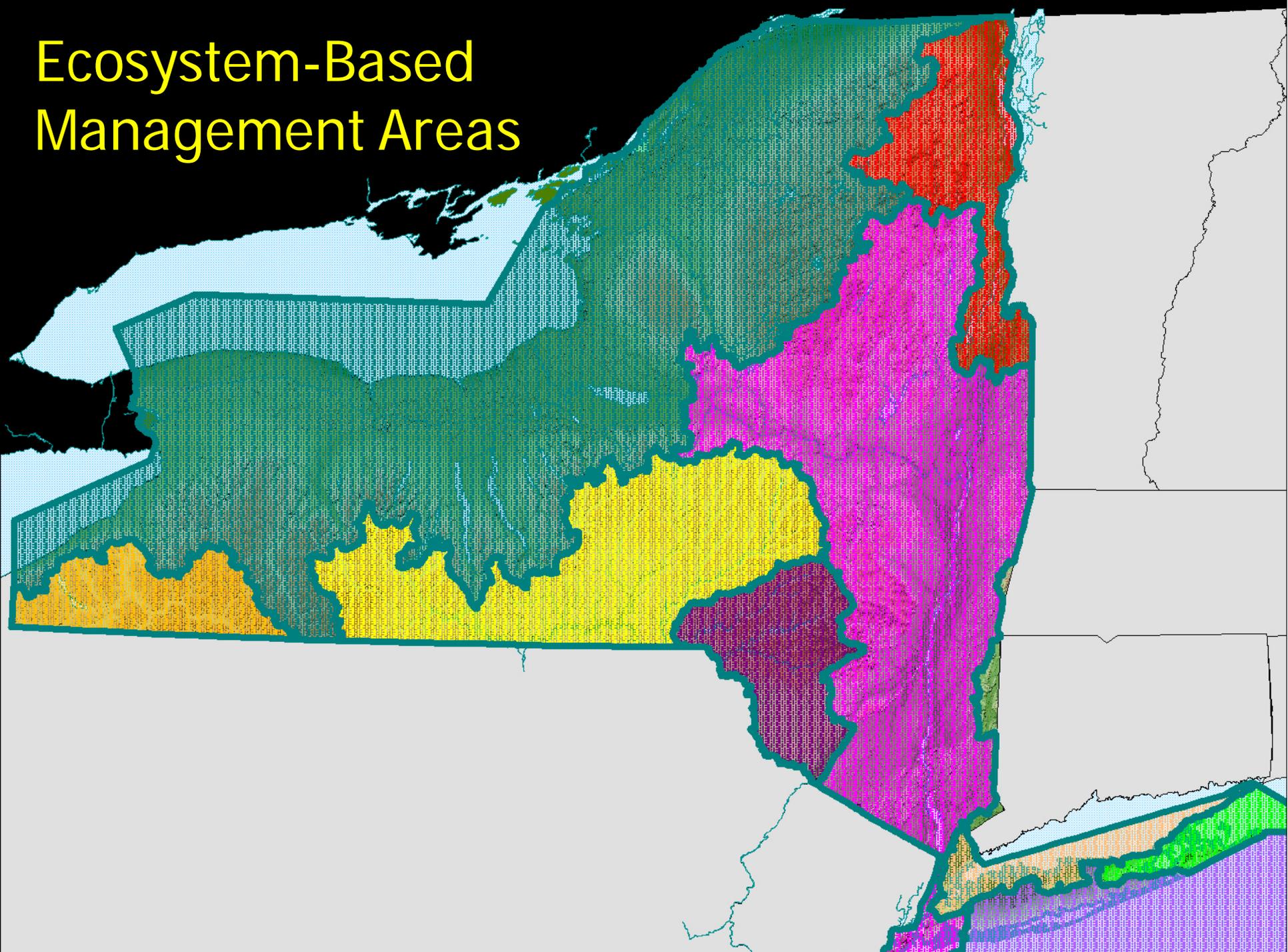


New York Ocean and Great Lakes Ecosystem Conservation Council

Current Coastal Area



Ecosystem-Based Management Areas



Ecosystem-based Management in New York

Ecosystem-Based Management is:

An integrated approach to management that considers the entire ecosystem, including humans

An Ecosystem is:

A dynamic complex of plants, animals (including humans), microbes and physical environmental features that interact with one another

Ecosystem-based Management is:

- **A process....**
- **Evolutionary not revolutionary**

Ecosystem-based Management: Components

- 1. Place-based focus**
- 2. Best available science**
- 3. Adaptive management**
- 4. Measurable objectives**
- 5. Interconnectedness**
- 6. Public involvement**

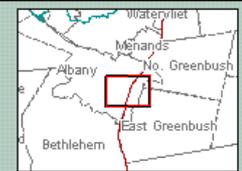
Act Mandates:

“an ocean and coastal resources atlas to make information available to the public and decision makers”

New York Ocean and Great Lakes Atlas

Bookmark this View | Previous View |

Tools: [Zoom In] [Zoom Out] [Home] [Info] [Layers] [Print] [Help]



Legend

- Adirondacks/Catskills
- Bathymetry (Contours) - Hudson River Estuary
- Boat Launch
- Cities & Towns
- Counties
- County Recreation
- Federal Non-Recreation
- Federal Recreation
- Fish (NOAA ESI) - Hudson Valley
- Government Office
- Institution
- Major Retail Center

Search

Layers

Available Layers for current map

+ Administrative

- Biota

+ Commercial Shellfish (Mollusk) Distribution and Habitat

- Fish Distribution and Habitat

Layer

Fish (NOAA ESI) - Hudson Valley

Update Map

+ Grass Distribution and Habitat

- Elevation

- Bathymetric Contours

Layer

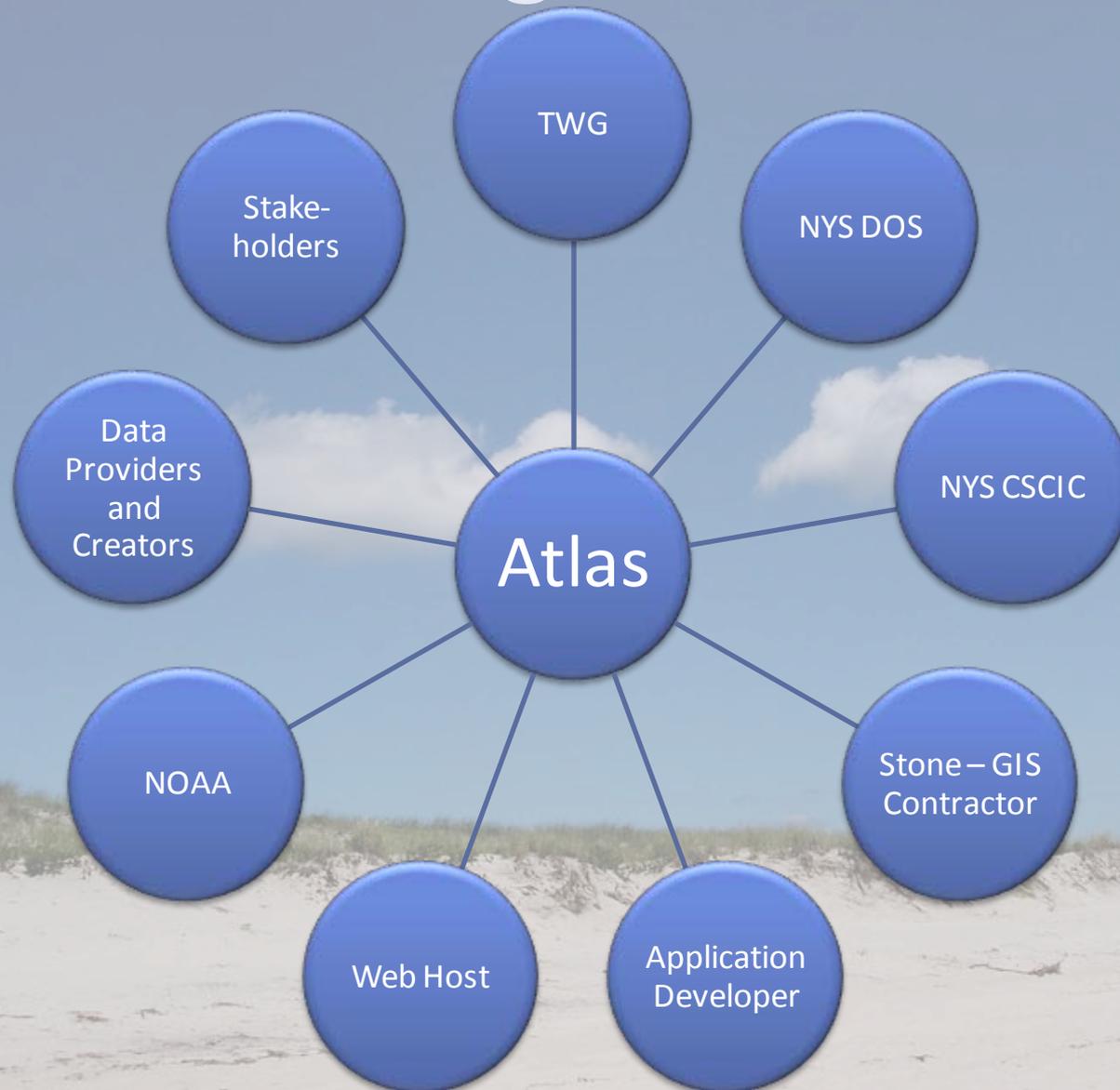
Bathymetry (Contours) - Hudson

How we built the Atlas?

Miles Across Map: 2.90 [Zoom] [Zoom to Entire State]

Latitude: -73.7479
Longitude: 42.6467

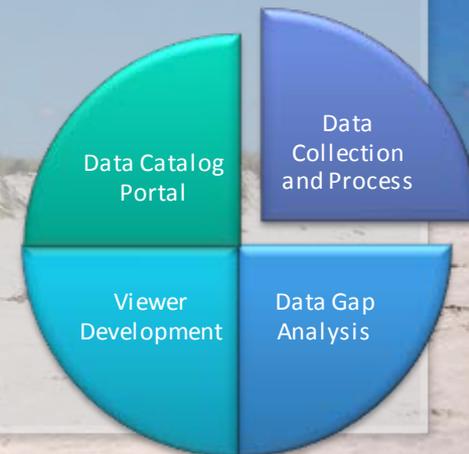
Building the Atlas



Building the Atlas

Data Collection and Process

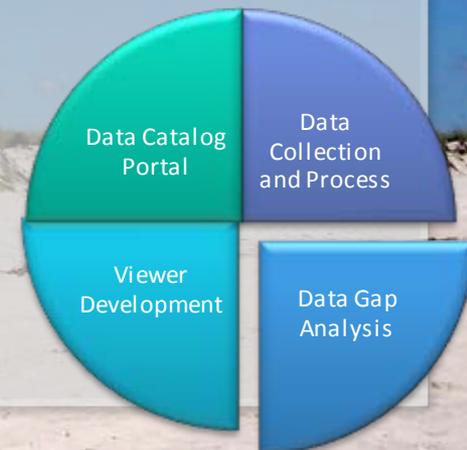
- Over 1000 Data Sets from over 57 Data Sources
- Metadata
- Downloadable
- Ongoing



Building the Atlas

Data Gap Analysis

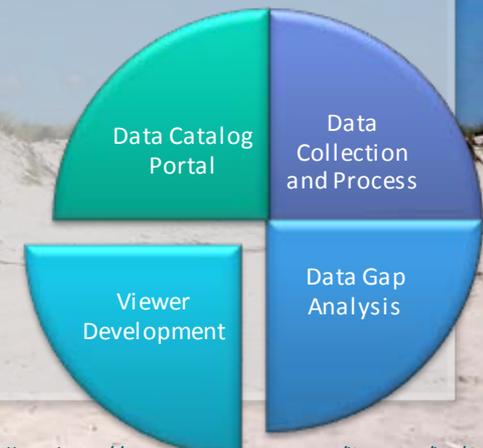
- Initial Analysis
- Survey
- Workshop
- Report



Building the Atlas

Viewer Development

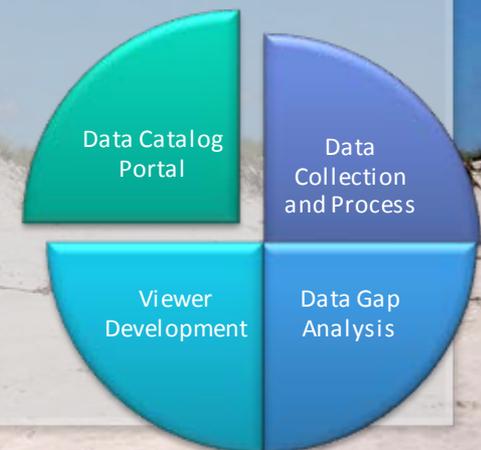
- Code from CSCIC
- MapXtreme platform
- Beta Testing
- Live July 2008
- Currently 392 datasets



Building the Atlas

Data Catalog Portal

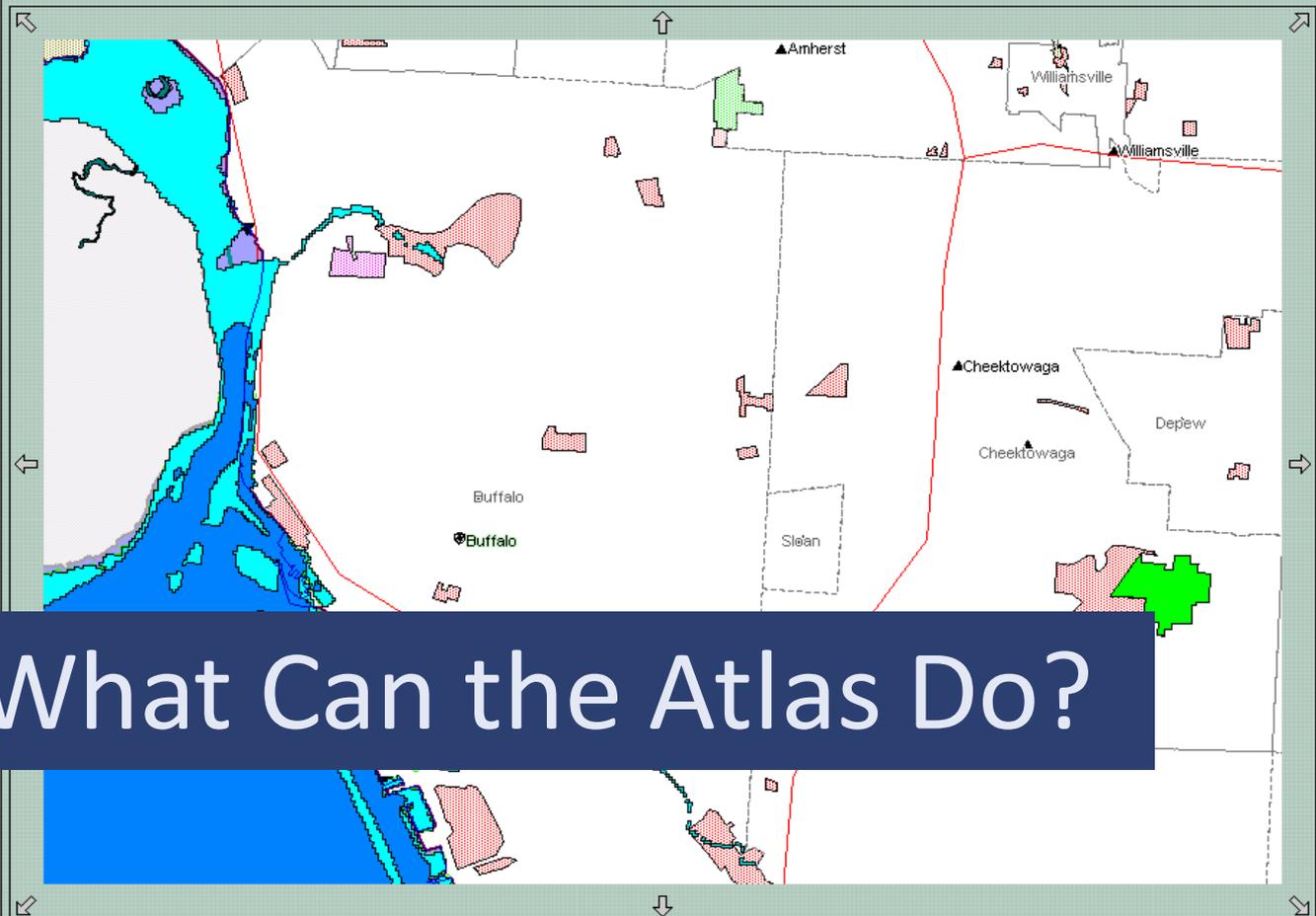
- Beta version is out for review
- Search for data based on: key words, geography, dates
- Upload own data & metadata



New York Ocean and Great Lakes Atlas

Bookmark this View | Previous View |

Tools: [Zoom In] [Zoom Out] [Home] [Info] [Layers] [Print] [Help]



- Legend**
- Bathymetry - Lake Erie
 - Cities & Towns
 - Coastal Margin Habitat Zone - Lake Erie
 - Coastal Wetlands - Great Lakes
 - Counties
 - County Recreation
 - Federal Non-Recreation
 - Municipal Recreation
 - NYS Boundary
 - Nearshore Habitat Zone - Lake Erie
 - Place Location

Search
Layers
BOUNDARY
Update Map

Inland Waters
Port Facilities
Layer
Port and Waterway Facilities - Great Lakes
Update Map

+ Shorelines
Wetlands & Deepwater Habitats
Layer
Coastal Margin Habitat Zone - Lake Erie
Coastal Wetlands - Great Lakes
Nearshore Habitat Zone - Lake Erie

What Can the Atlas Do?

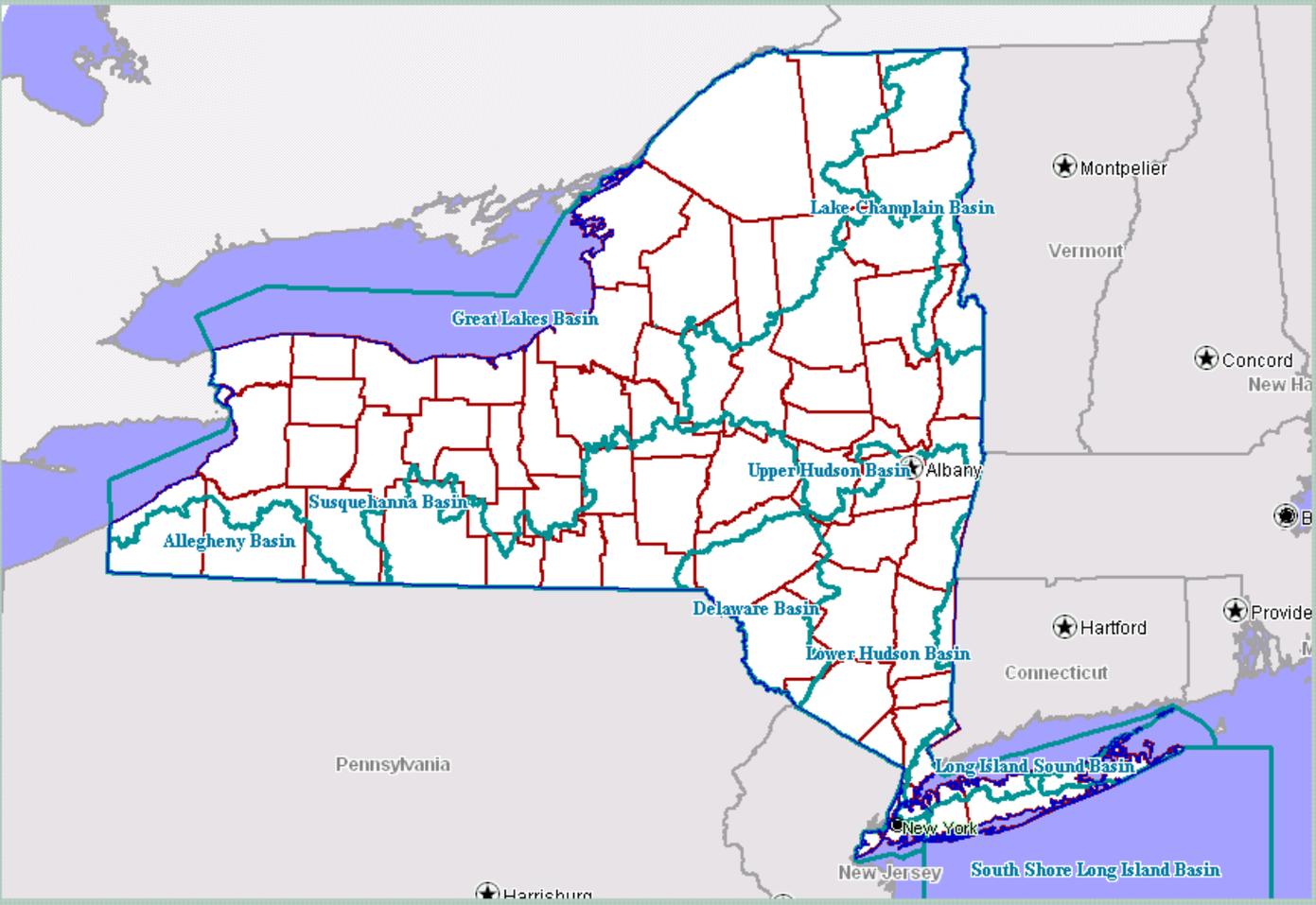
Miles Across Map: 12.46 [Zoom] [Zoom to Entire State]

Latitude: -78.8203
Longitude: 42.9026

Atlas Demo

www.nyoglatlas.org

Tools:



Legend

Search

Search Type:

Layers

Available Layers for current map

- Administrative

		Layer
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Counties
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NYS Boundary
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US Capitals
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US Cities (population > 20,000)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Watersheds

Update Map

+ Biota

Layers unavailable at zoom level

Update Map

Miles Across Map: 498.04

Zoom to Entire State

Latitude: -75.7079
Longitude: 42.7642

Last Updated: June 25, 2008

Tools:



Legend

Search

Layers

Port and Waterway Facilities - Great Lakes

+ Shorelines

- Wetlands & Deepwater Habitats

Layer	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Coastal Margin Habitat Zone - Lake Erie
<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Coastal Wetlands - Great Lakes

- Oceans and Estuaries

- Seagrass Distribution

Layer	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Submerged Aquatic Vegetation Habitat - South Coast

Last Updated: June 25, 2008

Miles Across Map:

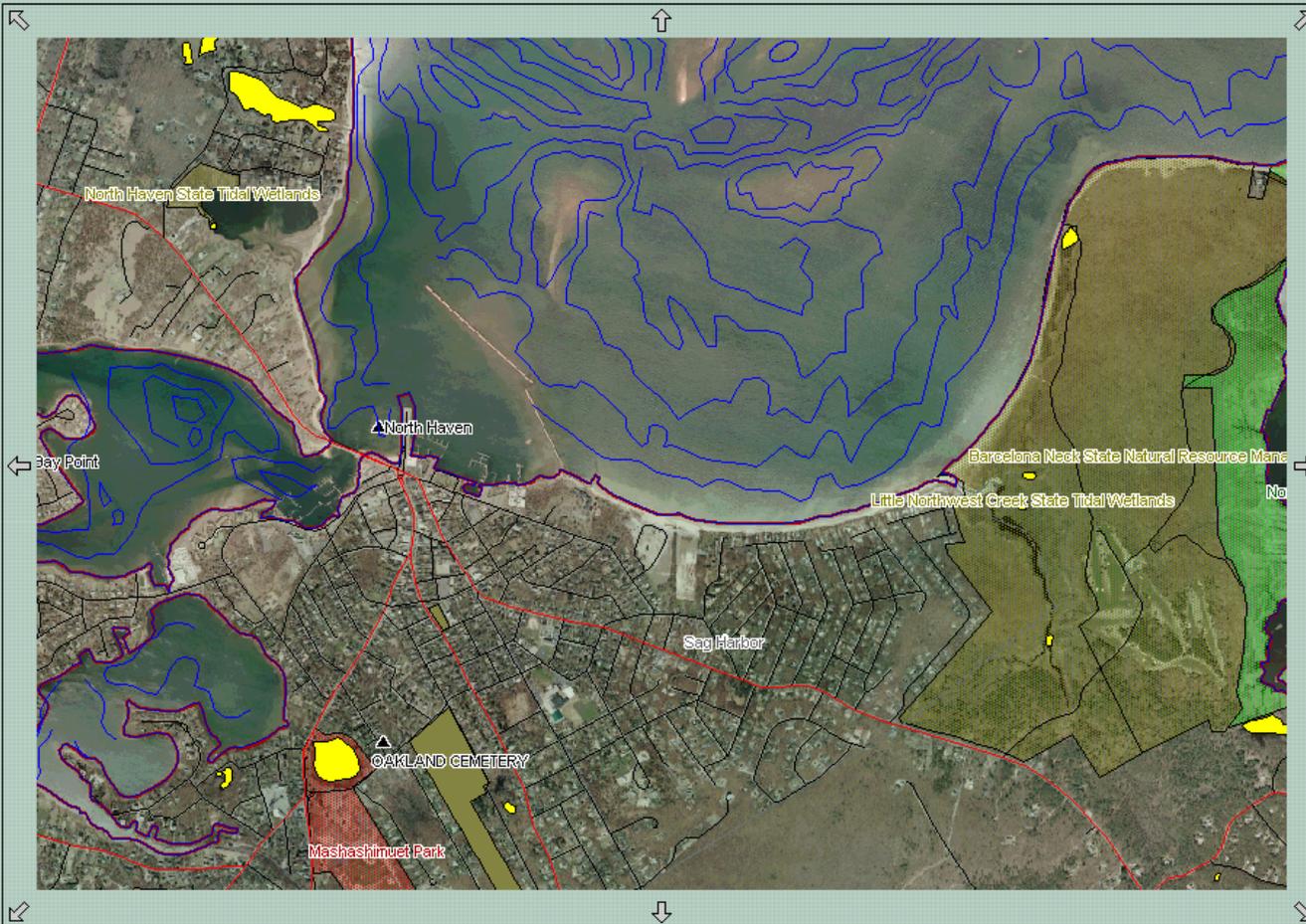


Latitude: -78.9380
Longitude: 42.9635

New York Ocean and Great Lakes Atlas

[Bookmark this View](#) | [Previous View](#) |

Tools:



Legend

- Bathymetric Contours (1m) - Long Island Sound
- Boat Launch
- Cemeteries - Southampton
- Cities & Towns
- Counties
- County Recreation
- Federal Non-Recreation
- Federal Recreation
- Fish (Polygon, NOAA ESI) - Atlantic Ocean
- Institution
- Municipal Recreation
- NYS Boundary

Search

Layers

Available Layers for current map

Administrative

Biota

- Commercial Shellfish (Mollusk) Distribution and Habitat**
- Fish Distribution and Habitat**

Layer	Layer
<input type="checkbox"/> Fish (Line, NOAA ESI) - Atlantic Ocean	<input type="checkbox"/> Fish (Line, NOAA ESI) - Atlantic Ocean
<input checked="" type="checkbox"/> Fish (Polygon, NOAA ESI) - Atlantic Ocean	<input checked="" type="checkbox"/> Fish (Polygon, NOAA ESI) - Atlantic Ocean
<input checked="" type="checkbox"/> Pond Classification - Suffolk	<input checked="" type="checkbox"/> Pond Classification - Suffolk
<input type="checkbox"/> Stream Classification - Suffolk	<input type="checkbox"/> Stream Classification - Suffolk

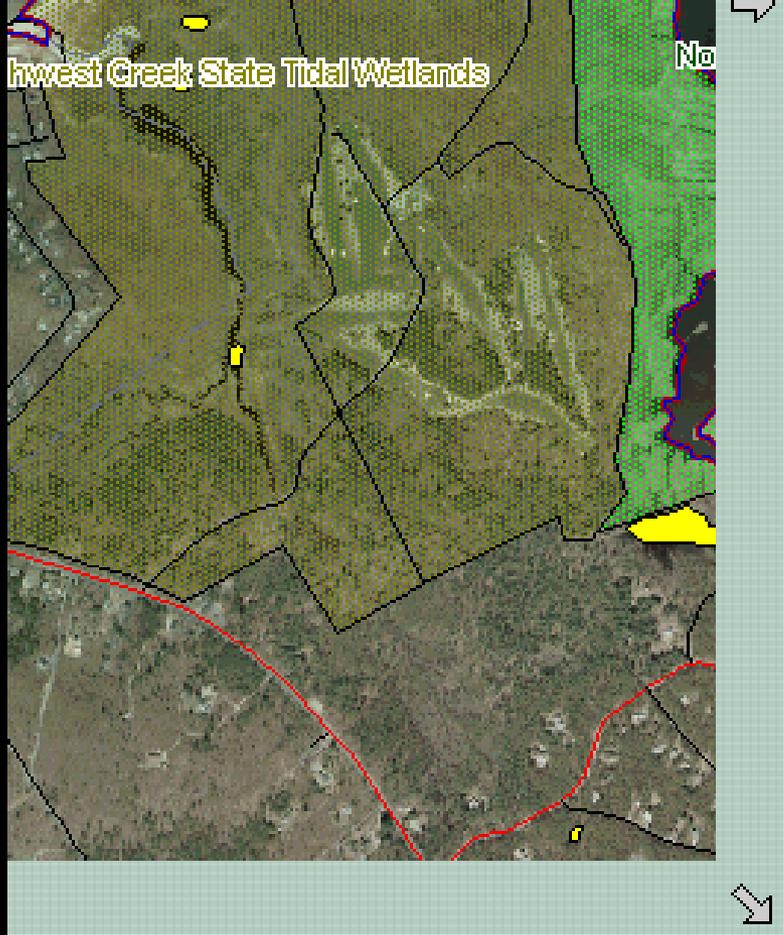
Update Map

Miles Across Map: 3.00 Zoom

Zoom to Entire State

Latitude: -72.2838
Longitude: 41.0025

Northwest Creek State Tidal Wetlands



Latitude: -72.2838
Longitude: 41.0025

- Municipal Recreation
- NYS Boundary

Search

Layers

Available Layers for current map

- + Administrative
- Biota
 - + Commercial Shellfish (Mollusk) Distribution and Habitat
 - Fish Distribution and Habitat

		Layer		
<input type="checkbox"/>	<input type="checkbox"/>	Fish (Line, NOAA ESI) - Atlantic Ocean		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fish (Polygon, NOAA ESI) - Atlantic Ocean		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pond Classification - Suffolk		
<input type="checkbox"/>	<input type="checkbox"/>	Stream Classification - Suffolk		

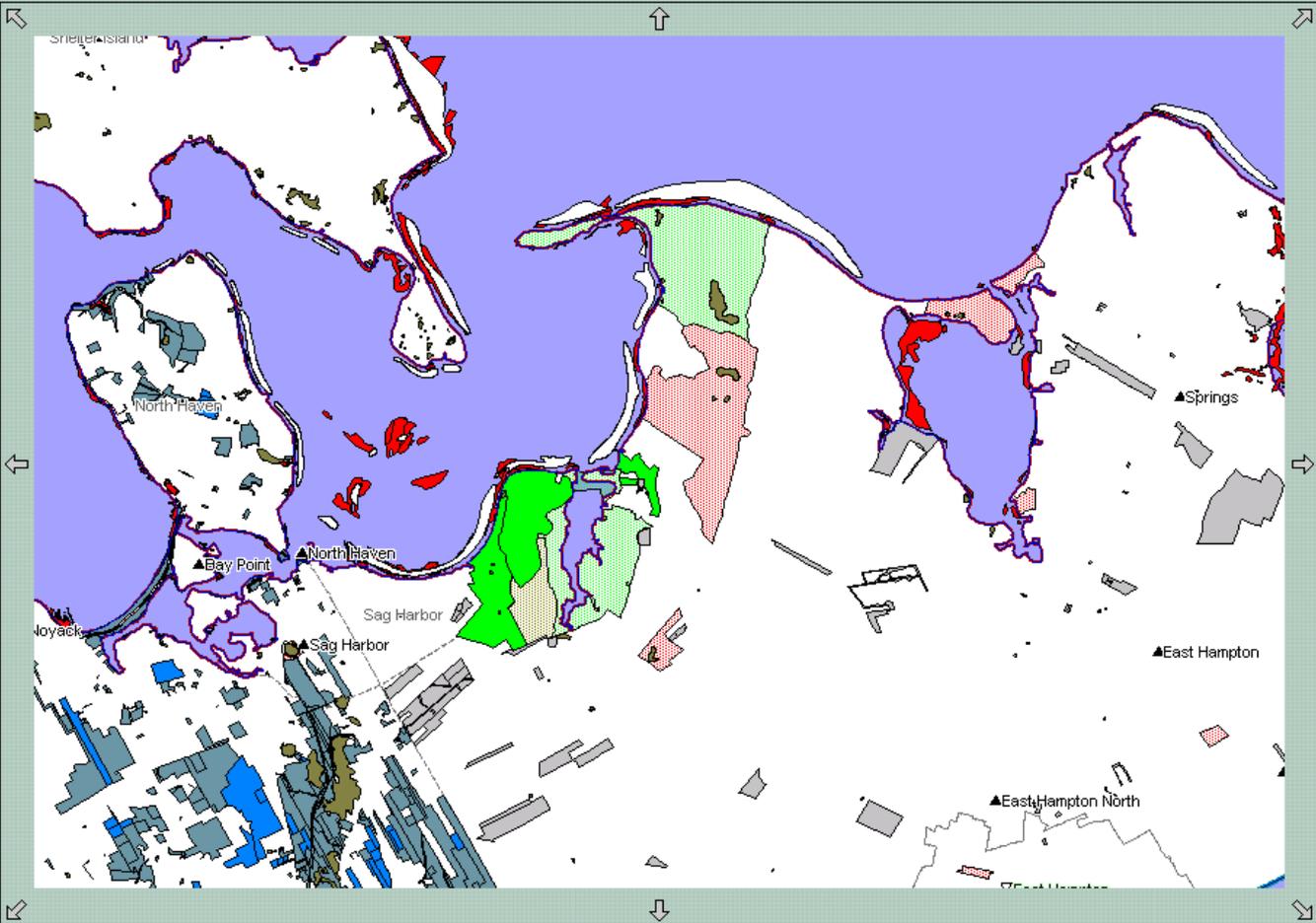
Download

Update Map

New York Ocean and Great Lakes Atlas

Bookmark this View | Previous View

Tools:



Legend

- Ponds - Long Island
- Protected Land - Peconic Bay
- STATE FOREST BOUNDARY
- Southampton Protected Land - Peconic Bay
- Southampton Protected and Ag Land - Peconic Bay
- Southold Protected Land - Peconic Bay
- Southold Protected and Ag Land - Peconic Bay
- State Campground
- State Recreation
- Submerged Aquatic Vegetation (SAV) - Peconic Bay

Search

Layers

Available Layers for current map

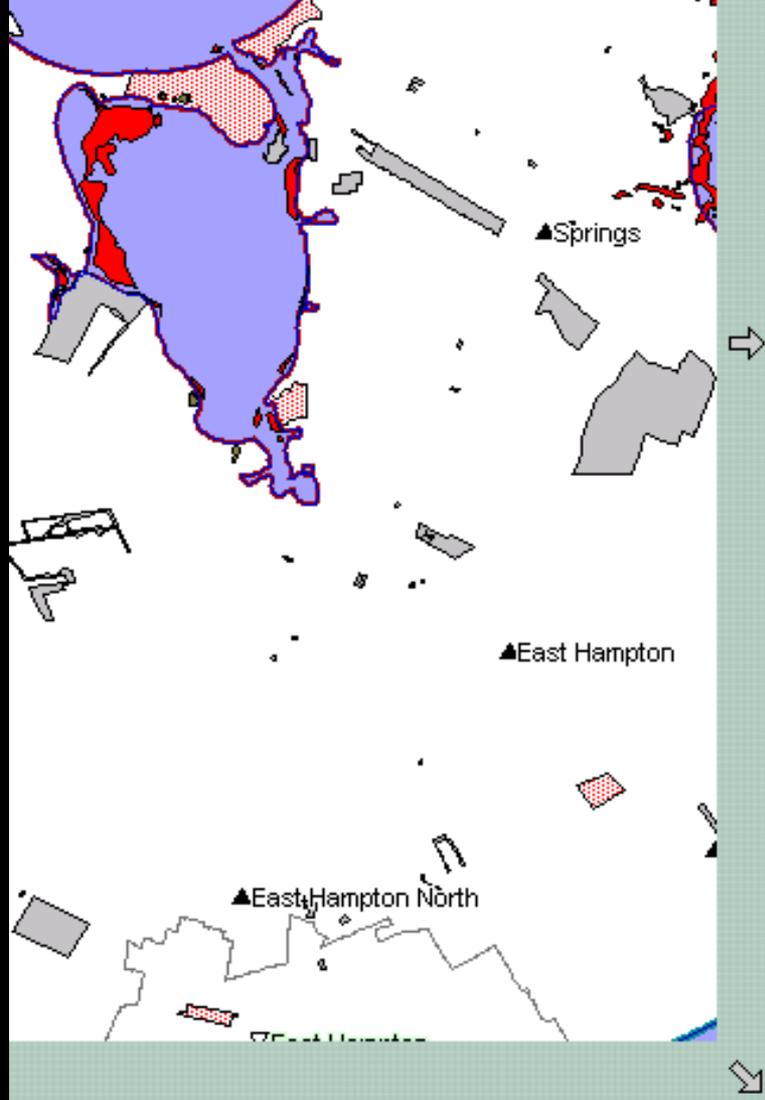
- + Administrative
- + Biota
- + Elevation
- Environment
 - Park Land/Nature Preserve

Layer	
<input type="checkbox"/>	Parks (All) - South Coast
<input type="checkbox"/>	Parks (State of NY and Federal) - South Coast
<input checked="" type="checkbox"/>	Protected Land - Peconic Bay
<input checked="" type="checkbox"/>	STATE FOREST BOUNDARY
<input checked="" type="checkbox"/>	Southampton Protected

Miles Across Map: 10.29

Zoom to Entire State

Latitude: -72.2402
Longitude: 41.0135



Latitude: -72.2402
Longitude: 41.0135

- Peconic Bay
- Southampton Protected and Ag Land - Peconic Bay
- Southold Protected Land - Peconic Bay
- Southold Protected and Ag Land - Peconic Bay
- State Campground
- State Recreation
- Submerged Aquatic Vegetation (SAV) - Peconic Bay

Search

Layers

+ Imagery/Base Maps/Earth Cover

- Inland Waters

- Submerged Grasses

Layer			
<input checked="" type="checkbox"/>	<input type="checkbox"/>		Eelgrass Distribution - Peconic Bay
<input checked="" type="checkbox"/>	<input type="checkbox"/>		Submerged Aquatic Vegetation (SAV) - Peconic Bay
<input type="checkbox"/>	<input type="checkbox"/>		Vegetation (Point, NOAA ESI) - Atlantic Ocean

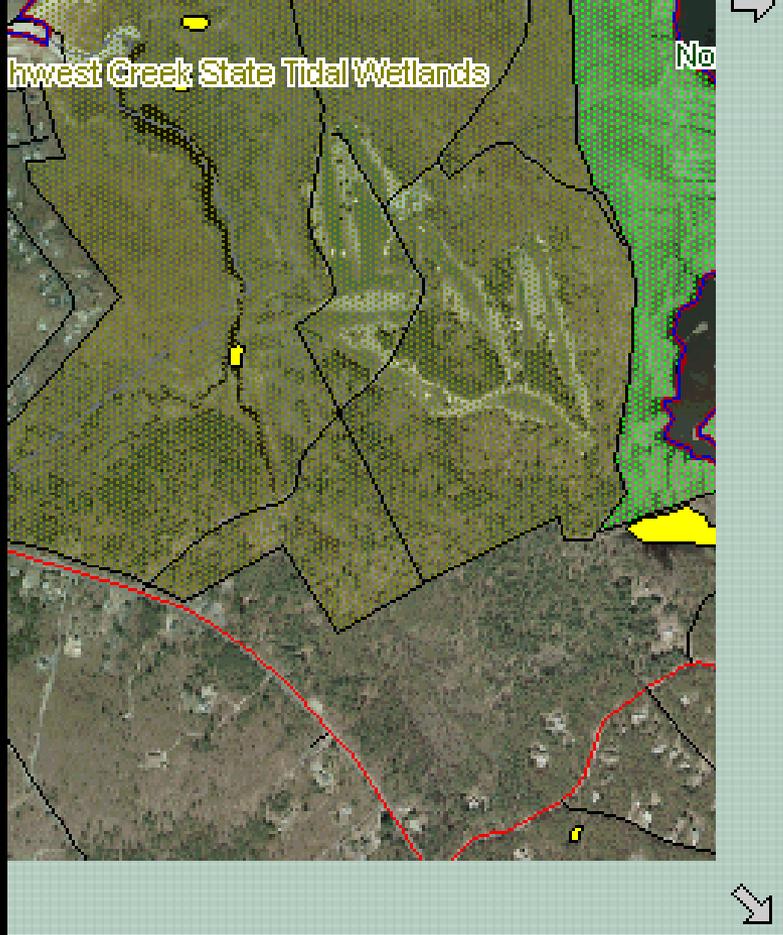
Update Map

Download

- Wetlands & Deepwater Habitats

Layer			
<input checked="" type="checkbox"/>	<input type="checkbox"/>		Ponds - Long

Northwest Creek State Tidal Wetlands



Latitude: -72.2838
Longitude: 41.0025

- Municipal Recreation
- NYS Boundary

Search

Layers

Available Layers for current map

- + Administrative
- Biota
 - + Commercial Shellfish (Mollusk) Distribution and Habitat
 - Fish Distribution and Habitat

		Layer		
<input type="checkbox"/>	<input type="checkbox"/>	Fish (Line, NOAA ESI) - Atlantic Ocean		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fish (Polygon, NOAA ESI) - Atlantic Ocean		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pond Classification - Suffolk		
<input type="checkbox"/>	<input type="checkbox"/>	Stream Classification - Suffolk		

Download

Update Map

New York State Ocean and Great Lakes Atlas - Info Screen - Win...

http://nyoglatlas.org/download.cfm?id=23

Google G

Settings File

Download Layer

Close Window

Submerged Aquatic Vegetation (SAV) - Peconic Bay

Open Source Data Format

GoogleEarth (.kml): [\[Download\]](#) (.kml)

GIS Data

ESRI Shape File: [\[Download\]](#) (.zip)
MapInfo Tab File: [\[Download\]](#) (.zip)

Done Internet 100%

Google Earth Shot

Search

Fly To Find Businesses Directions

Fly to e.g., 37.407229, -122.107162

Search input field with a magnifying glass icon.

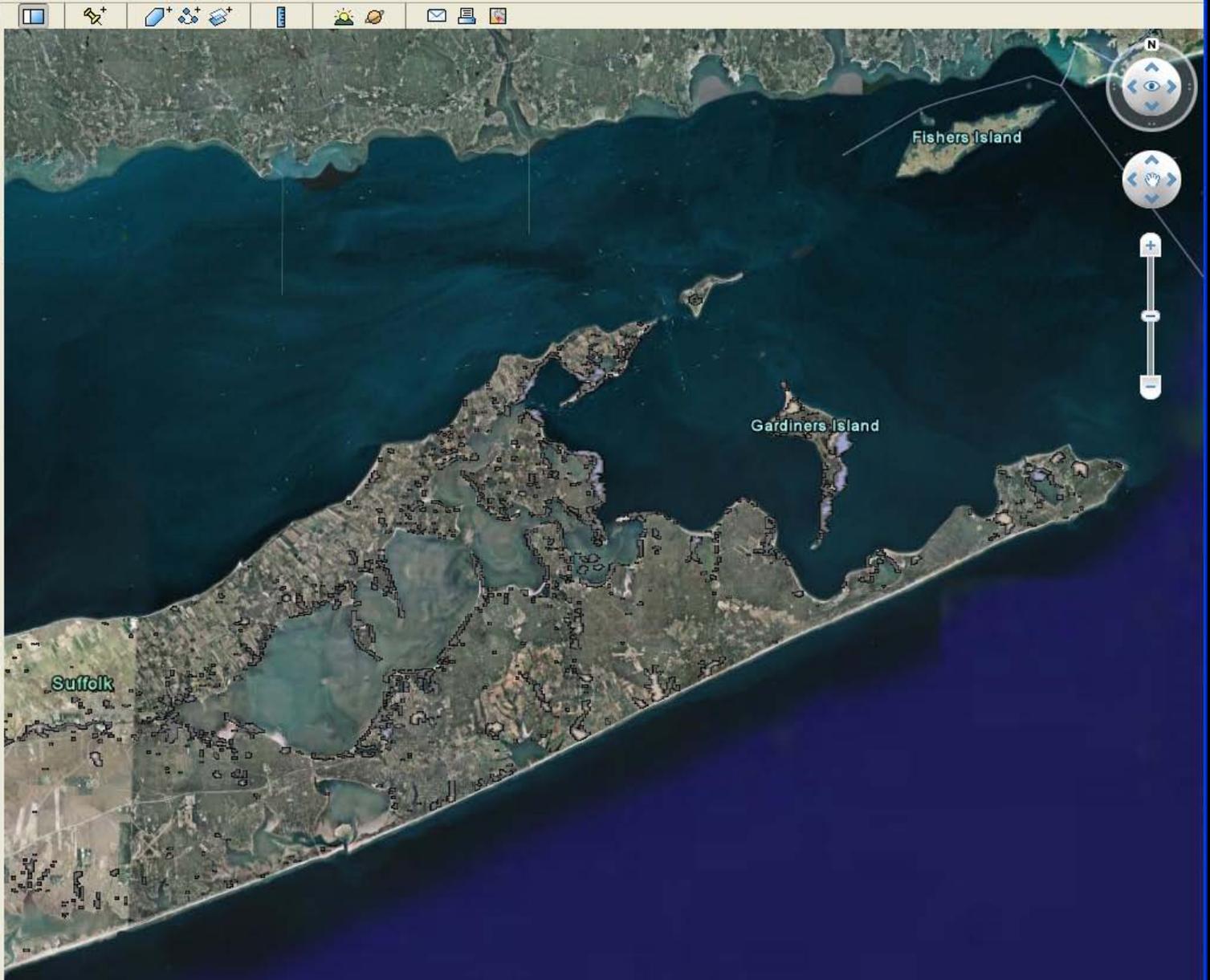
Places Add Content

- My Places
 - Sightseeing

Select this folder and click on the 'Play' button below, to start the tour.
- Temporary Places
 - Marine Impacts
 - Suf_Pond_Class[1].kml
 - PEP_SAV_2000[1].kml

Layers

- Primary Database
- Geographic Web
- Roads
- 3D Buildings
- Street View
- Borders and Labels
- Traffic
- Weather
- Gallery
- Global Awareness
- Places of Interest
- More
- Terrain



Navigation controls including a compass, a hand icon for panning, and a vertical zoom slider with '+' and '-' buttons.

41°01'05.47" N 72°16'19.99" W

Image © 2008 DigitalGlobe
 Image © 2008 TerraMetrics
 Image NASA
 © 2008 Tele Atlas

Google™

elev 11 m

Eye alt 69.10 km

Search

Fly To Find Businesses Directions

Fly to e.g., 37.407229, -122.107162

Search input field with a magnifying glass icon.

Places Add Content

- My Places
 - Sightseeing

Select this folder and click on the 'Play' button below, to start the tour.
- Temporary Places
 - Marine Impacts
 - Suf_Pond_Class[1].kml
 - PEP_SAV_2000[1].kml

Layers

- Primary Database
- Geographic Web
- Roads
- 3D Buildings
- Street View
- Borders and Labels
- Traffic
- Weather
- Gallery
- Global Awareness
- Places of Interest
- More
- Terrain

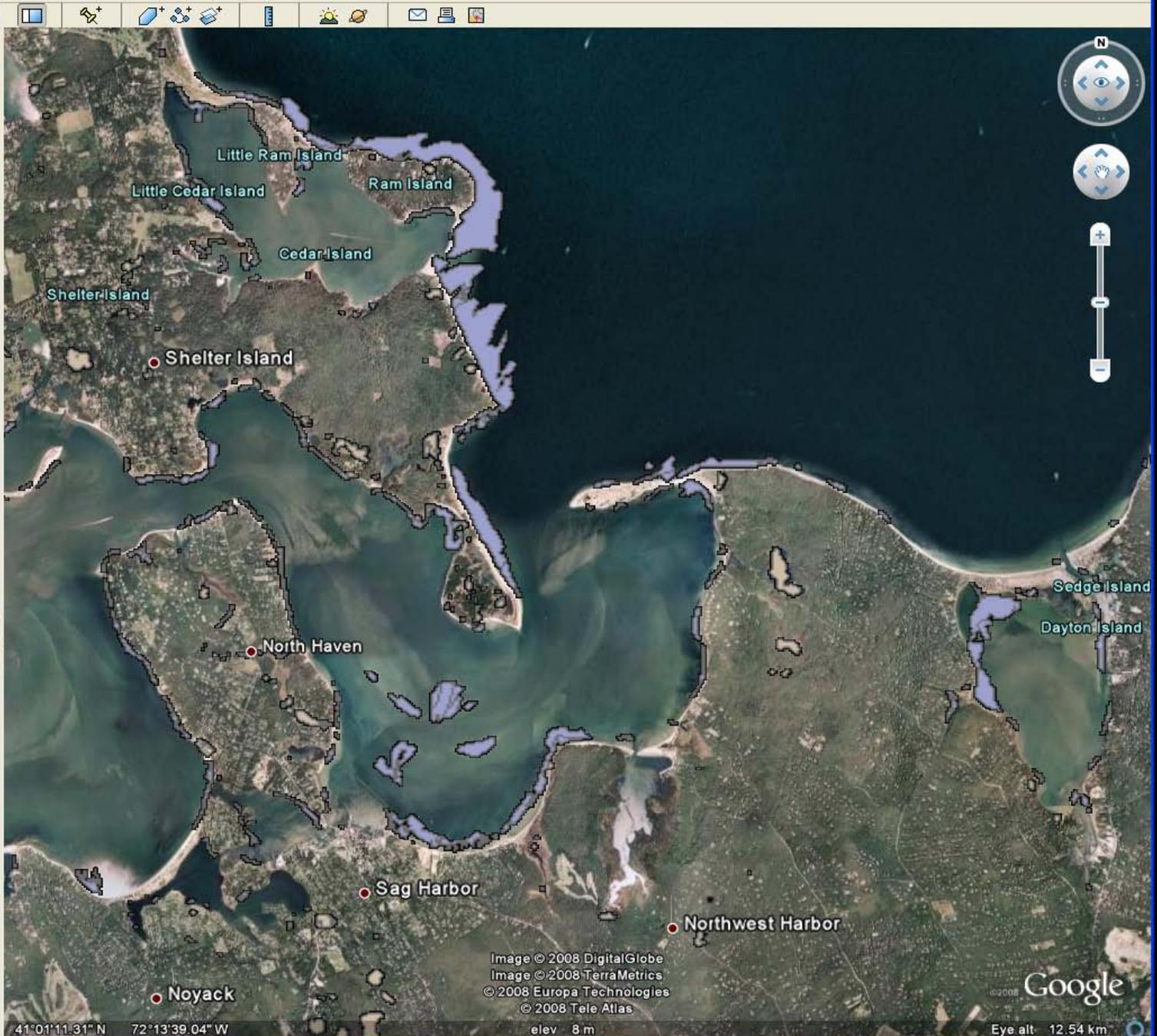


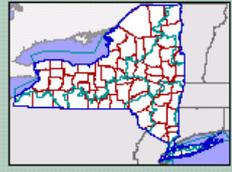
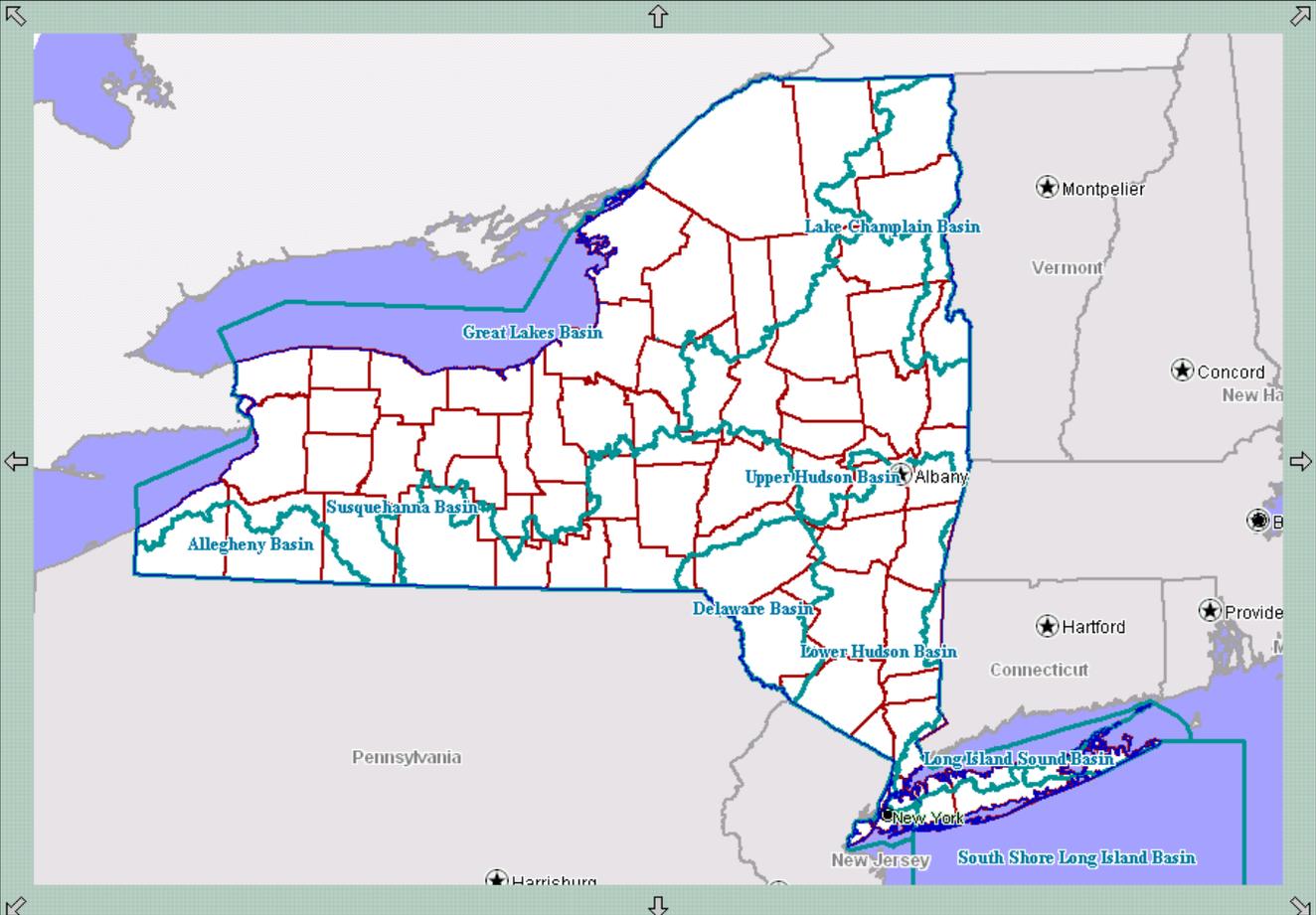
Image © 2008 DigitalGlobe
 Image © 2008 TerraMetrics
 © 2008 Europa Technologies
 © 2008 Tele Atlas

Google

New York Ocean and Great Lakes Atlas

[Bookmark this View](#) | [Previous View](#)

Tools:



- Legend**
- Counties
 - NYS Boundary
 - US Capitals
 - US Cities (population > 20,000)
 - Watersheds

Search

Layers

Available Layers for current map

- + Administrative
- + Biota

Layers unavailable at zoom level

Miles Across Map: 498.04

Latitude: -75.7079
Longitude: 42.7642

New York Ocean and Great Lakes Atlas

Bookmark this View | Previous View |

Tools:



Legend

- Boat Launch
- Cities & Towns
- Counties
- Federal Non-Recreation
- Government Office
- Institution
- Major Retail Center
- Municipal Recreation
- NYS Boundary
- Place Location
- State Campground
- State Non-Recreation
- State Recreation

Search

Layers

- Available Layers for current map*
- + Administrative
 - + Elevation
 - + Environment
 - Inland Waters
 - + Port Facilities
 - + Shorelines
 - + Wetlands & Deepwater Habitats
 - + Oceans and Estuaries

Layers unavailable at zoom level

Layers unavailable at current location

Miles Across Map: 3.00

Latitude: -76.1212
Longitude: 44.2544

Tools:



Legend

- Government Office
- Institution
- Major Retail Center
- NYS Boundary
- Place Location
- State Campground
- State Non-Recreation
- State Recreation
- Street Data (ALIS)
- Tourist Info
- US Capitals
- US Cities (population < 20,000)
- US Cities (population < 20,000)

Search

Layers

Available Layers for current map

- + Administrative
 - + Elevation
 - + Environment
 - Inland Waters
 - + Port Facilities
 - + Shorelines
 - Wetlands & Deepwater Habitats
- | Layer | |
|-------------------------------------|--------------------------------|
| <input checked="" type="checkbox"/> | Coastal Wetlands - Great Lakes |
- Update Map

+ Oceans and Estuaries

Layers unavailable at zoom level

Layers unavailable at current location

Miles Across Map: 3.00 Zoom Zoom to Entire State

Latitude: -76.1212 Longitude: 44.2544

Selected Information

Close Window

The following information is the result of your search. To center the map on a selected feature, click on the "Zoom To" icon. To conduct a new search based on a selected features location, click on the "Search" icon. Only map layers currently added to the map will be considered in the search.

Cities & Towns - 1

ZOOM	AREA	COUNTY	FID	LABEL	NYTOWNS	NYTOWNS_ID	PERIMETER	SWIS	SYM
	22987116	Jefferson	1371	Clayton	1373	113	49838.027	223200	-1600085856

Counties - 1

ZOOM	COUNTY	FID
	Jefferson	22

NYS Boundary - 1

ZOOM	FID	ID
	0	0

Watersheds - 1

ZOOM	ID	MANAGING_PARTNER	REGION_NAME
	10	Great Lakes Basin Advisory Committee	Great Lakes Basin

Coastal Wetlands - Great Lakes - 1

ZOOM	AREA	COMMENTS	COUNTRY	DAMS	DITCH_CONS	DREDGING	DYKES	FID	FILLED	GEO_ID	GLCWC_CWI1	GLCWC_CWI	HECTA
	782873.483162		USA	F	F	F	F	4232F	258	4234	4234	78.29	

New York Ocean and Great Lakes Atlas

Bookmark this View | Previous View |

Tools:



Legend

Search

Layers

Available Layers for current map

- + Administrative
- + Environment
- + Inland Waters
- + Oceans and Estuaries

Layers unavailable at zoom level

Layers unavailable at current location

Update Map

Last Updated: June 25, 2008

Miles Across Map: 1.48

Latitude: -76.1370
Longitude: 44.2555

Portal Demo

[http://portalnyoglecc.nyoglatlas.org/
GPT9/catalog/main/home.page](http://portalnyoglecc.nyoglatlas.org/GPT9/catalog/main/home.page)

New York Ocean & Great Lakes EBM Data Portal [Beta]

[HOME](#) [SEARCH](#)[VIEW DATA AT THE NYS OGL ATLAS >>](#)

Welcome!

The New York Ocean & Great Lakes EBM Data Portal is an extensive library for New York state's Ocean and Great Lakes Ecosystem-Based Management (EBM) data. You can immediately search the library to find coastal EBM data useful for your own project. If you have coastal EBM related data that you would like to contribute to help others around the state who want to help preserve and protect the health of New York's coasts, all you need to do is create an account and upload the metadata.

You can simply...

Find Data

You can do more...

Be a User

- Create an Account
- Save your Searches

Share Data

- Create Metadata
- Upload your Data
- Publish Data

The New York Ocean & Great Lakes EBM Data Portal has been created by the New York Ocean and Great Lakes Ecosystem Conservation Council (OGLECC) to help advance ecosystem-based management statewide. The philosophy of ecosystem-based management takes into account environmental and human interrelationships. Its goal is to manage human activities in order to create healthy, productive and resilient ecosystems that can deliver the resources people want and need. To learn more about the OGLECC, please visit the [OGLECC Website](#).

This is the New York Ocean & Great Lakes EBM Data Portal. Please read the [Disclaimer](#) and [Privacy](#) or [Contact Us](#).

Web-Site Developer: [Stone Environmental Inc.](#)

Search

elevation

» Additional Options

CONTENT TYPE
Any

DATA CATEGORY
Agriculture and Farming
Biology and Ecology
Administrative and Political Boundaries
Atmosphere and Climatic
Business and Economic

MODIFIED DATE
Start date: (yyyy-mm-dd)
End date: (yyyy-mm-dd)

SORT BY
Relevance

WHERE

Anywhere Intersecting Fully within



Search

elevation

» Additional Options

CONTENT TYPE

Any

DATA CATEGORY

- Agriculture and Farming
- Biology and Ecology
- Administrative and Political Boundaries
- Atmosphere and Climatic
- Business and Economic

MODIFIED DATE

Start date: (yyyy-mm-dd)

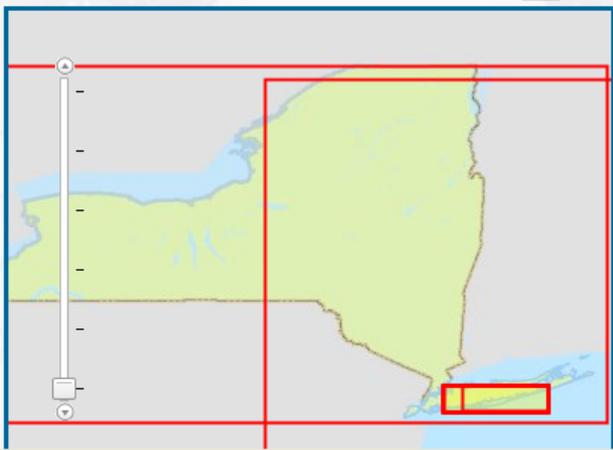
End date: (yyyy-mm-dd)

SORT BY

Relevance

WHERE

- Anywhere Intersecting Fully within



Results 1-8 of 8 record(s)

Expand results [Zoom To Results](#) [Zoom To Searched Area](#)

- [NGDC Coastal Relief Model](#)
- [Submersed Aquatic Vegetation \(Line, 2002\) - South](#)
- [Submersed Aquatic Vegetation \(2002\) - South Coast](#)
- [Submersed Rooted Vasculars \(2002\) - South Coast](#)
- [Submersed Aquatic Vegetation Habitat - South Coast](#)
- [Submersed Aquatic Vegetation \(2002\) - South Coast](#)
- [Benthic Habitat \(Polygon\) - South Coast](#)
- [Benthic Habitat \(Line\) - South Coast](#)

See results through REST

API: [GEORSS](#) [HTML](#) [FRAGMENT](#) [KML](#)

Search

elevation

» Additional Options

CONTENT TYPE

Any

DATA CATEGORY

- Agriculture and Farming
- Biology and Ecology
- Administrative and Political Boundaries
- Atmosphere and Climatic
- Business and Economic

MODIFIED DATE

Start date: ... (yyyy-mm-dd)

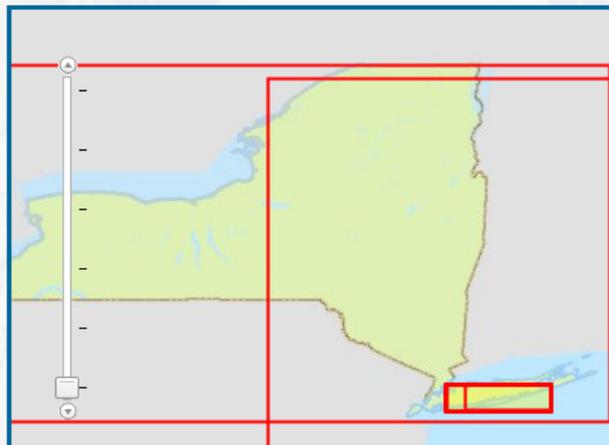
End date: ... (yyyy-mm-dd)

SORT BY

Relevance

WHERE

Anywhere Intersecting Fully within



Results 1-8 of 8 record(s)

Expand results [Zoom To Results](#) [Zoom To Searched Area](#)

- [NGDC Coastal Relief Model](#)
- [Submerged Aquatic Vegetation \(Line, 2002\) - South](#)
- [Submerged Aquatic Vegetation \(2002\) - South Coast](#)
- [Submersed Rooted Vasculars \(2002\) - South Coast](#)
- [Submerged Aquatic Vegetation Habitat - South Coast](#)
- [Submerged Aquatic Vegetation \(2002\) - South Coast](#)
- [Benthic Habitat \(Polygon\) - South Coast](#)
In June 2002, 200 1:20,000 scale conventional-color metric film diapositives for Long Island, New York were collected as part of an effort to map submerged aquatic vegetation (SAV) in Long Island's South Shore bays. They were provided by New York State Depa...
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- [Benthic Habitat \(Line\) - South Coast](#)

See results through REST

API: [GEORSS](#) [HTML](#) [FRAGMENT](#) [KML](#)

Metadata Details

Identification Information

Title: Benthic Habitat (Polygon) - South Coast
Originator: Greenhorne and O'Mara
Publication Date: 2014-07-03
Website URL: <http://www.nysgis.state.ny.us/inventories/state.htm>
Resource (Server) ftp://nyoglatlas.org/data/Atlantic_Ocean/Long_Island/South_Coast/LISSEBenthicHabitat/
URL:

Abstract: In June 2002, 200 1:20,000 scale conventional-color metric film diapositives for Long Island, New York were collected as part of an effort to map submerged aquatic vegetation (SAV) in Long Island's South Shore bays. They were provided by New York State Department of State's Division of Coastal Resources. Photographs were taken at low tide and during times that the growth stage of the SAV allowed for clear identification. Care was taken to minimize the effects of turbidity, sun glint, wind, and haze on the photos. The photos were scanned at a resolution of 15 microns. Ground control points were collected primarily from NYSDOS 2 ft orthophotos. Additional control points were collected from USGS DOQQs where coverage from the primary source was lacking. All elevations were derived from USGS digital elevation models. A bundle block adjustment was performed using Albany and exterior orientation parameters were calculated. Boeing/Autometric's Softplotter was used to orthorectify the photos. The images were then dodged and mosaicked using Z/I's Orthopro. No additional color-balancing was performed as the mosaic's intended purpose was the delineation of benthic habitats. The mosaic was then output into 1000m by 1000m tiles with a 0.5m pixel resolution. The naming convention uses the first 3 numbers of the UTM x coordinate followed by the first 4 numbers in the UTM y coordinate of the southwest corner. Stereo digital images were created and the habitat features were interpreted and digitized on screen using softplotter microstation resulting in accurate and efficient 3D extraction of the data. Habitats were delineated with a high level of detail with the minimum mapping unit (MMU) being 0.01 hectares (approx. 10m x 10m). The digitized polygons have the following specifications: Vertex Distance < 1.0 m Node Snap Distance < 4.0 m Arc Snap Distance < 4.0 m During August 2002, NOAA CSC & NYSDOS staff collected 95 field observations throughout the study area and this information was incorporated into the map. In June 2003, after reviewing the photography, questionable areas were visited by Greenhorne and O'Mara staff and the findings were subsequently applied to the map. The map layers show delineated polygons and lines representing benthic habitat data. Each polygon feature is given a 1,2,3 or 4 digit number representing 11 habitats. The item numbers are stored in the attribute table under Text. The benthic data is classified according to the System for Classification of Habitats in Estuarine and Marine Environments (SCHEME). This system is fully described in "Development of a System for Classification of Habitats

FTP

directory /data/Atlantic_Ocean/Long_Island/South_Coast/LISSEBenthicHabitat/ at nyoglatlas.org.

	<DIR> ..
01/22/09 09:16AM	<DIR> ESRI
10/03/08 12:00AM	<DIR> KML
10/03/08 12:00AM	<DIR> MapInfo

User Registration

Please provide your profile information.

Username: Minimum of 3 characters. No asterisk (*), comma (,) or percent (%)

Password: Minimum of 3 characters

Retype password:

Email:

First name:

Last name:

Organization:

Affiliation:

Address:

City:

State/Province:

Postal code:

Phone:

Register

* ***Bold-Italic*** labels indicate a required field

Login

Please provide your credentials.

Username:

Password:

[Forgot Password?](#)

** Bold-Italic labels indicate a required field*

[Manage](#) [Create](#) [Upload](#)

Create Metadata

To create a new metadata record, select the Metadata Standard that the record will adhere to. After clicking 'proceed', a custom form is displayed for you to complete for the Metadata standard you selected.

On behalf of: ▼

- Metadata standard:
- ISO 19139/19115 Datasets (OGL)
 - ISO 19139/19119 Web Services (OGL)

[Proceed](#)

[Manage](#) [Create](#) [Upload](#)

Metadata Editor

Please enter the requested information below for the content that you would like to publish to the Metadata Portal. Please provide as much information as you can for your content.

** Bold-Italic labels indicate a required field*

General Information

Contact Information

Metadata Identification

Browse Graphic

Data Theme

Keywords

Reference System Information

Spatial Domain

Data Quality Information

Distribution Information

Metadata Reference Information

Submit Metadata Registration

** Bold-Italic labels indicate a required field*

Manage [Create](#) [Upload](#)

Manage Metadata

Document title:

Document UUID:

Document owner: Nick

Approval status: Any Publication method: Any

Update date between: and (yyyy-mm-dd)

Search

For selected records: Set as Posted

Execute Action

Results 1-1 of 1 record(s)

<input type="checkbox"/>	Action	Title	UUID	Owner	Status	Method	Date
<input type="checkbox"/>	  	U.S. States	{E4786715-B38E-4C7A-8493-3441C3656B30}	Nick	Approved	Other	2008-09-29

New York Ocean and Great Lakes Atlas

Bookmark this View | Previous View |

Tools:



Legend

- Bathymetric Contours (1m) - Long Island Sound
- Bathymetric Contours - Long Island Sound
- Cities & Towns
- Commercially Viable Shellfish Beds - SSER
- Counties
- County Recreation
- Federal Non-Recreation
- Federal Recreation
- Fish (Polygon, NOAA ESI) - Atlantic Ocean
- Fish Habitat (Wetlands) - South Coast

Search

Layers

Available Layers for current map

Administrative

- Biota**
 - Commercial Shellfish (Mollusk) Distribution and Habitat**

Layer	
<input checked="" type="checkbox"/>	Commercially Viable Shellfish Beds - SSER
<input checked="" type="checkbox"/>	Mussel Watch Sites (NS&T) - Statewide
<input checked="" type="checkbox"/>	Shellfish Closures - SSER
- Fish Distribution and Habitat**

Layer	
<input type="checkbox"/>	Alewife - South Coast

Update Map

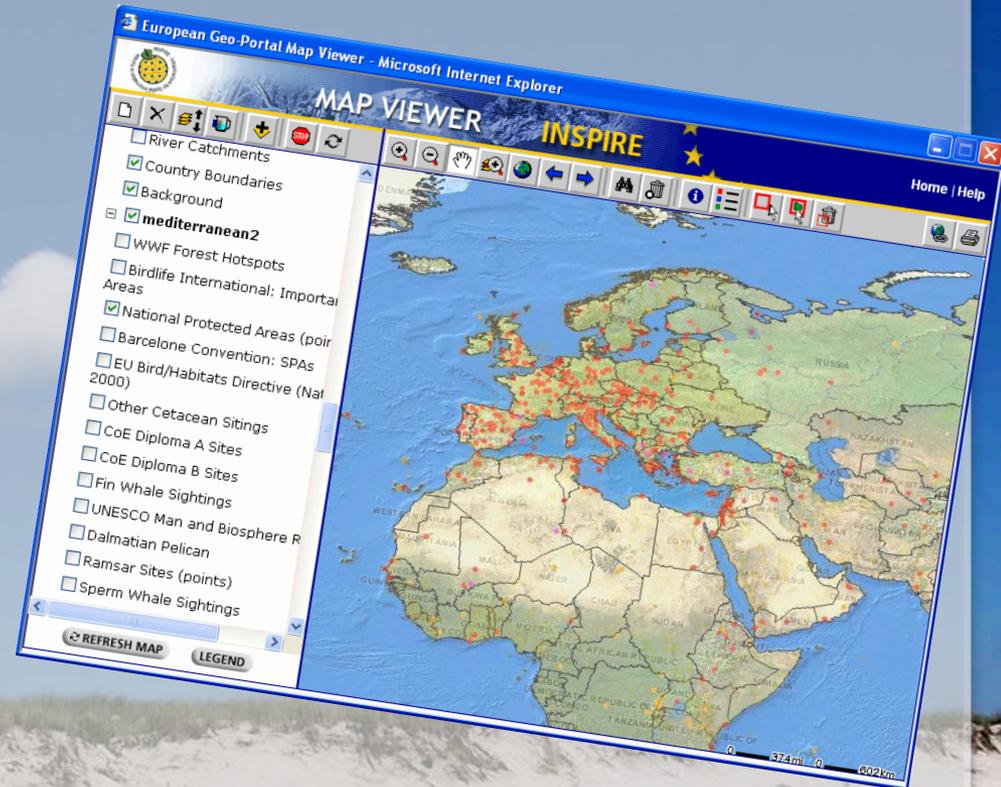
What's Next?

Miles Across Map: 0.50 Zoom Zoom to Entire State

Latitude: -72.4879 Longitude: 40.8753

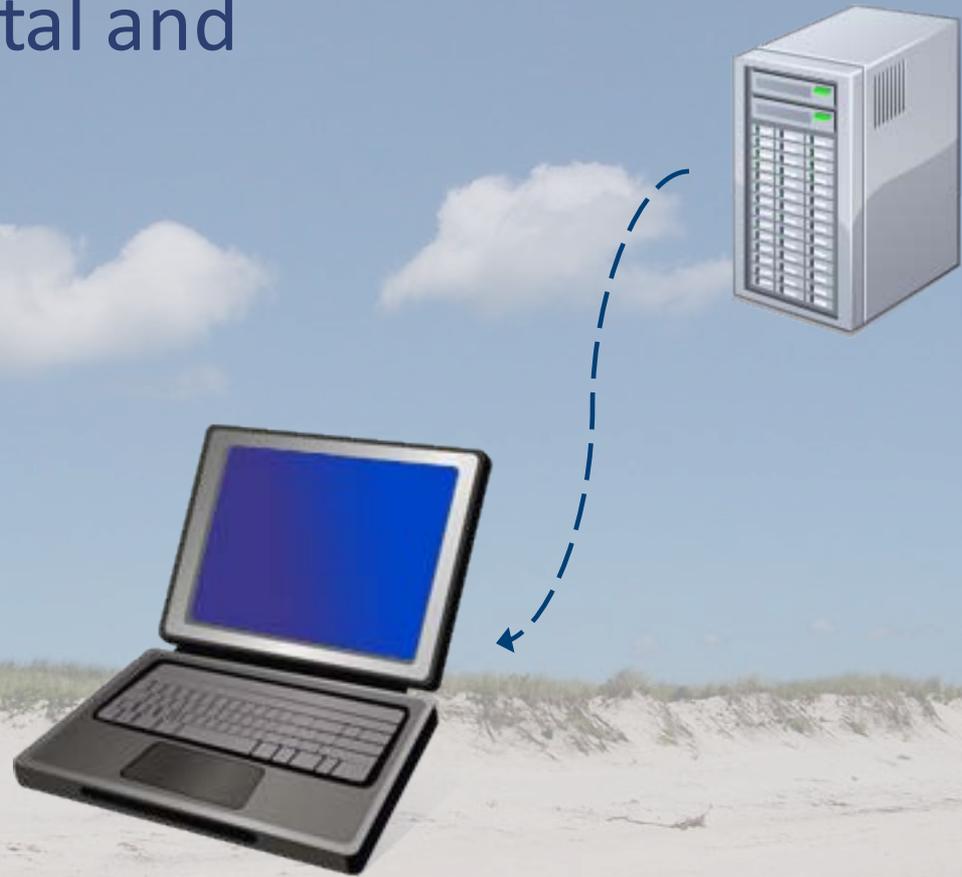
Next Steps

- Combine the Portal and Atlas Viewer



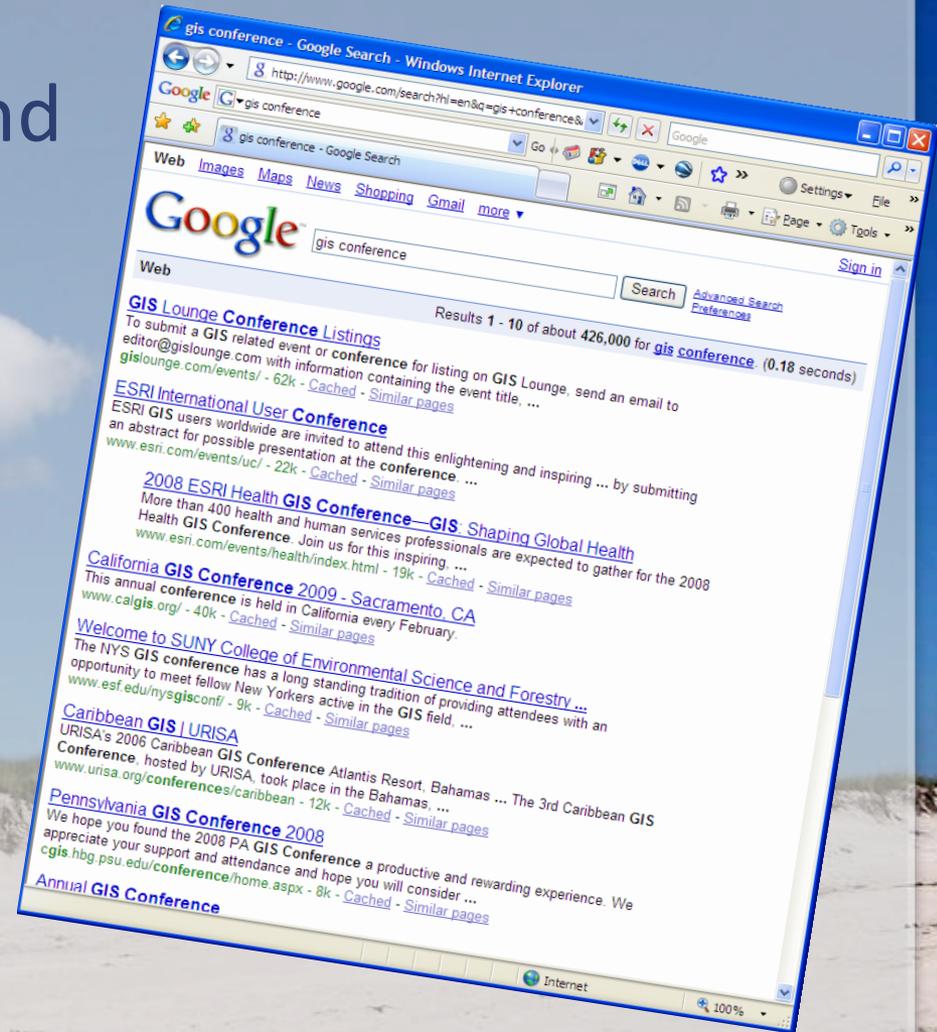
Next Steps

- Combine the Portal and Atlas Viewer
- WMS/WFS



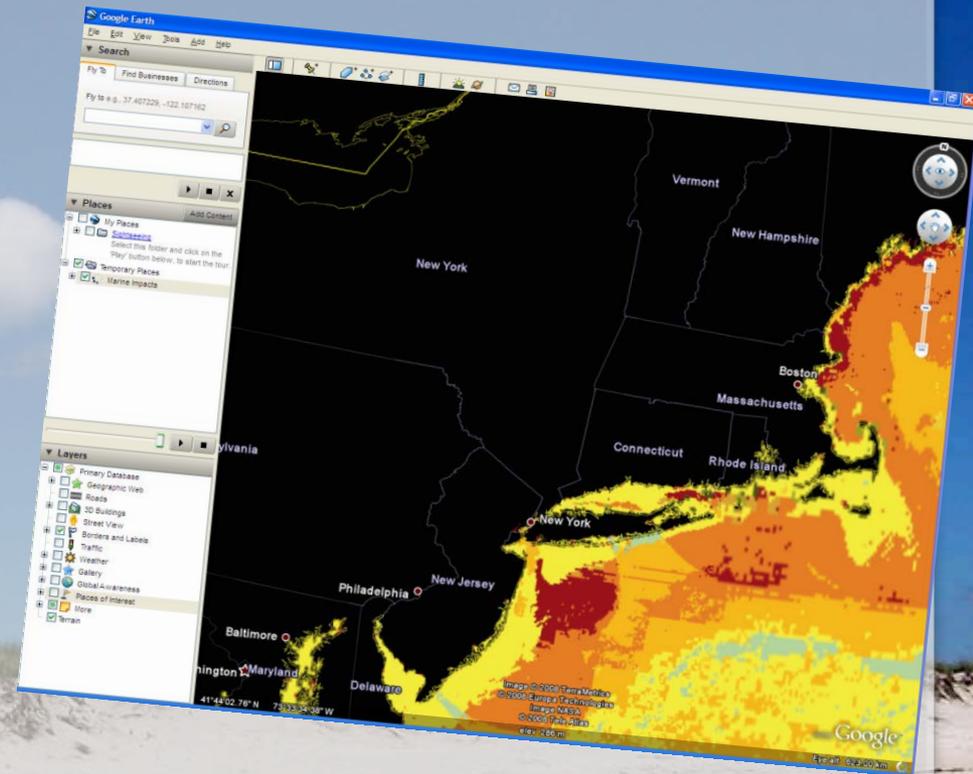
Next Steps

- Combine the Portal and Atlas Viewer
- WMS/WFS
- Google Like Search Feature



Next Steps

- Combine the Portal and Atlas Viewer
- WMS/WFS
- Google Like Search Feature
- Analysis Models
 - Health Index
 - Great Lake & Marine Spatial Planning



Thank you:

- Council's Technology Working Group
- NY Office of Cyber Security & Critical Infrastructure Coordination
- Stone Environmental, Inc.
- Troy Web
- Light & Power Media
- 57 organizations who contributed data

Council Website: www.nyoglecc.org

Atlas Website: www.nyoglatlas.org

Questions??

Council Website: www.nyoglecc.org

Atlas Website: www.nyoglatlas.org