

New York Ocean and Great Lakes Ecosystem Conservation Council

September 19, 2007
Council Meeting

Web site: <http://www.nyoglecc.org/>

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”

Guiding Principles in Act

- activities and uses of ecosystems are sustainable
- ecological health and integrity is maintained
- recognize interconnections among ecosystems
- understanding of coastal ecosystems is enhanced
- decisions are informed by good science
- when risks are uncertain, caution is applied
- public involvement in planning and decision making

November 2008 Report Requirements

1. Integrate EBM principles into existing programs
2. Show improvements in two demonstration areas
3. Create an ocean and Great Lakes atlas
4. Establish a research and monitoring agenda
5. Recommend actions to restore and protect submerged aquatic vegetation
6. Identify opportunities for regional EBM with neighboring states and the federal government

The Council...



We depend on the coast







The Coast
Provides Power





The Coast Provides Transportation



The Coast Provides Food, Jobs, and Recreation



We Depend on Coastal Ecosystems

- NYS ports generate \$18 billion a year
- NYS seafood and fishing industries generate \$11.6 billion a year
- Over 177,000 NY jobs are employed by the seafood and fishing industries
- Nearly 640,000 NY residents are employed in agriculture

We Depend on Coastal Ecosystems

- New York State has **3200** miles of coastline
- **90%** of New Yorkers live along the coast
- Over **50,000 miles** of rivers and streams
- **17** drainage basins
- **2.4 million acres** of freshwater wetlands

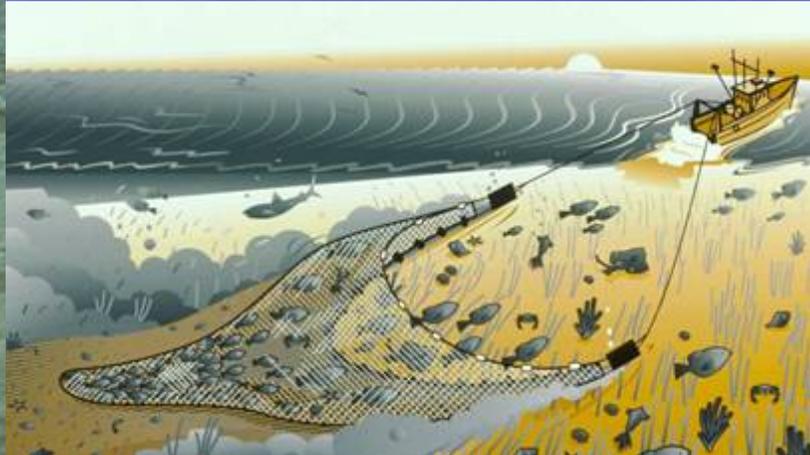
We Depend on Coastal Ecosystems



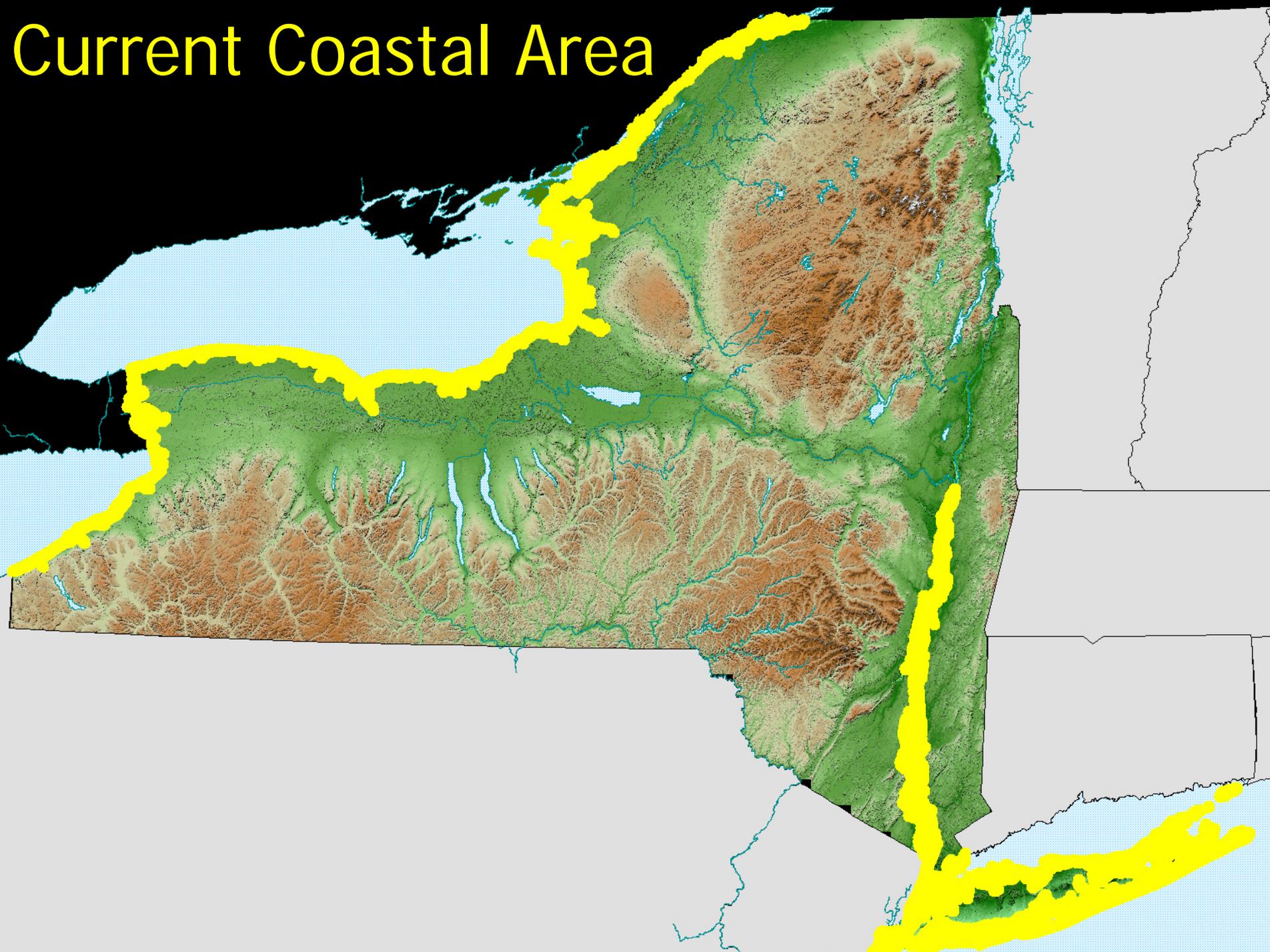


**New
York is
a City of
Islands**

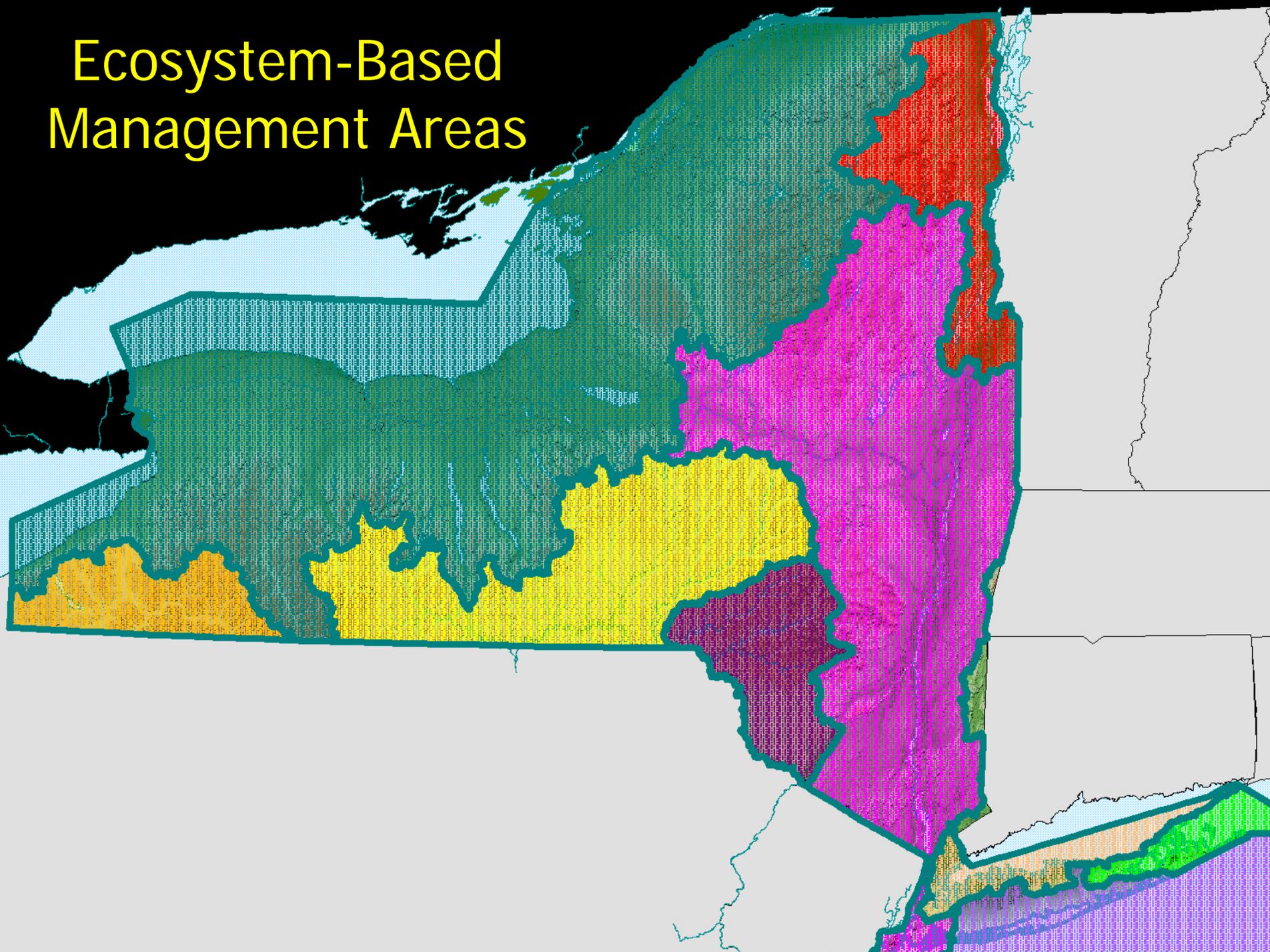
Coastal Ecosystems in Trouble



Current Coastal Area



Ecosystem-Based Management Areas



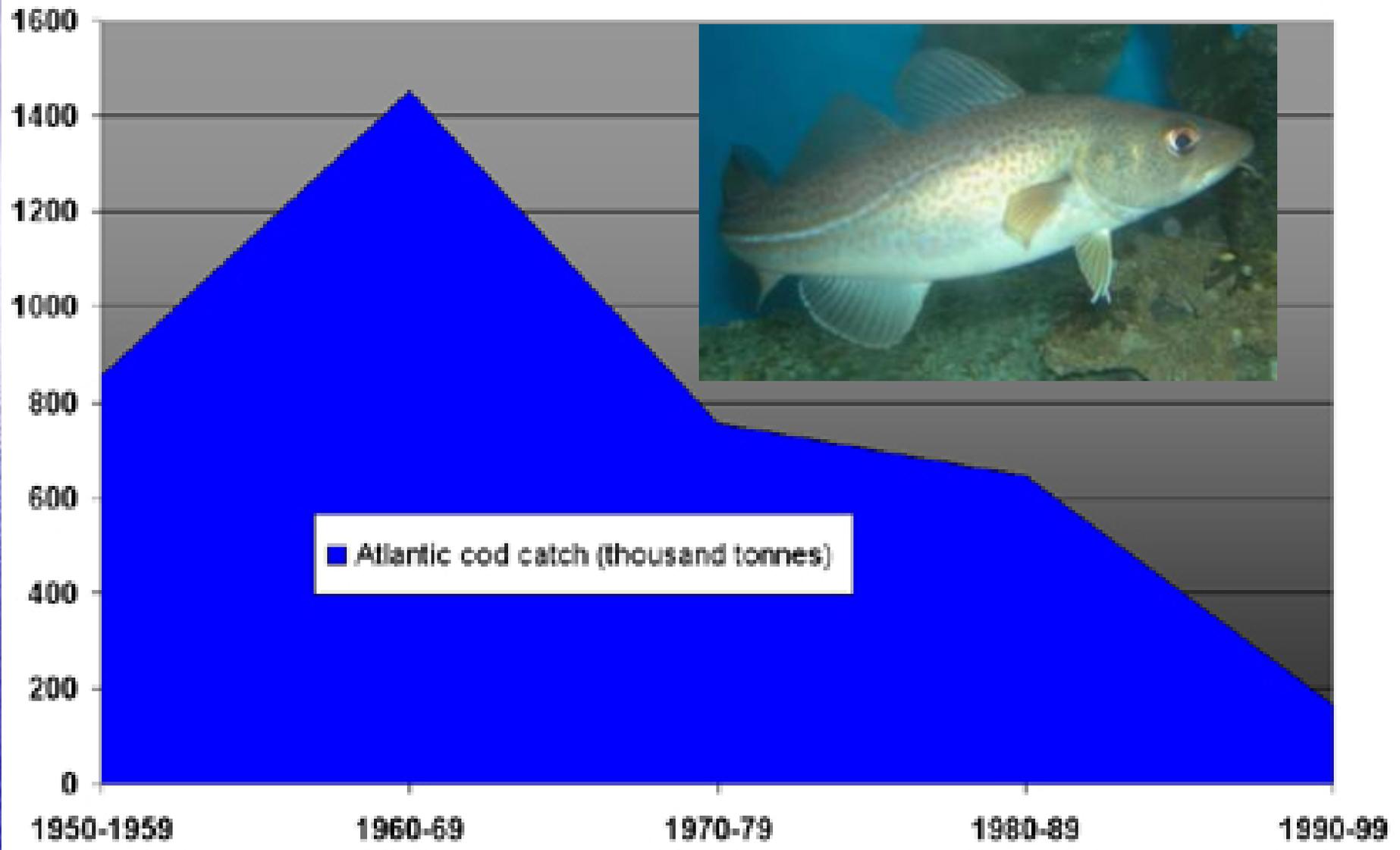
Some Examples of Ocean and Great Lakes Threats:

- Global Climate Change
- Fishery Decline
- Storm Water Runoff
- Invasive Species

Global Climate Change



All Atlantic Cod Catch



**BEACH
TEMPORARILY
CLOSED**

BY WIFB HEALTH DEPT



New York's Marine and Great Lakes Beaches in 2006*:

- Over 541 beach closings
- 32 advisories
- 92 rain advisories

*Surfrider Foundation

Zebra Mussels



Purple Loosestrife



Chinese Mitten Crab



Swallowwort



Round Gobi





New York Ocean and Great Lakes Ecosystem Conservation Council

**Transitioning the
Ocean and Great Lakes to a Sustainable Future:**

***IMPLEMENTATION OF ECOSYSTEM-BASED
MANAGEMENT IN NEW YORK STATE***



Staff Report to the Council

September 19, 2007

Report to the Council

II. 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 Benefits

- Decisions based on holistic understanding of ecosystems
- Ability to respond to change
- Promote collaboration among sectors
- Balance competing uses

Governor Spitzer Priority

- Structural Reform
 - More flexible and adaptive to change
 - Align state programs

Governor Spitzer Priority

- Innovation Economy and Smart Growth



Governor Spitzer Priority

- Climate Change and Clean Energy



Ecosystem-Based Management: Components

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

III. Progress to Date

- Council Staffing
- Agency Steering Committee

III. Progress to Date

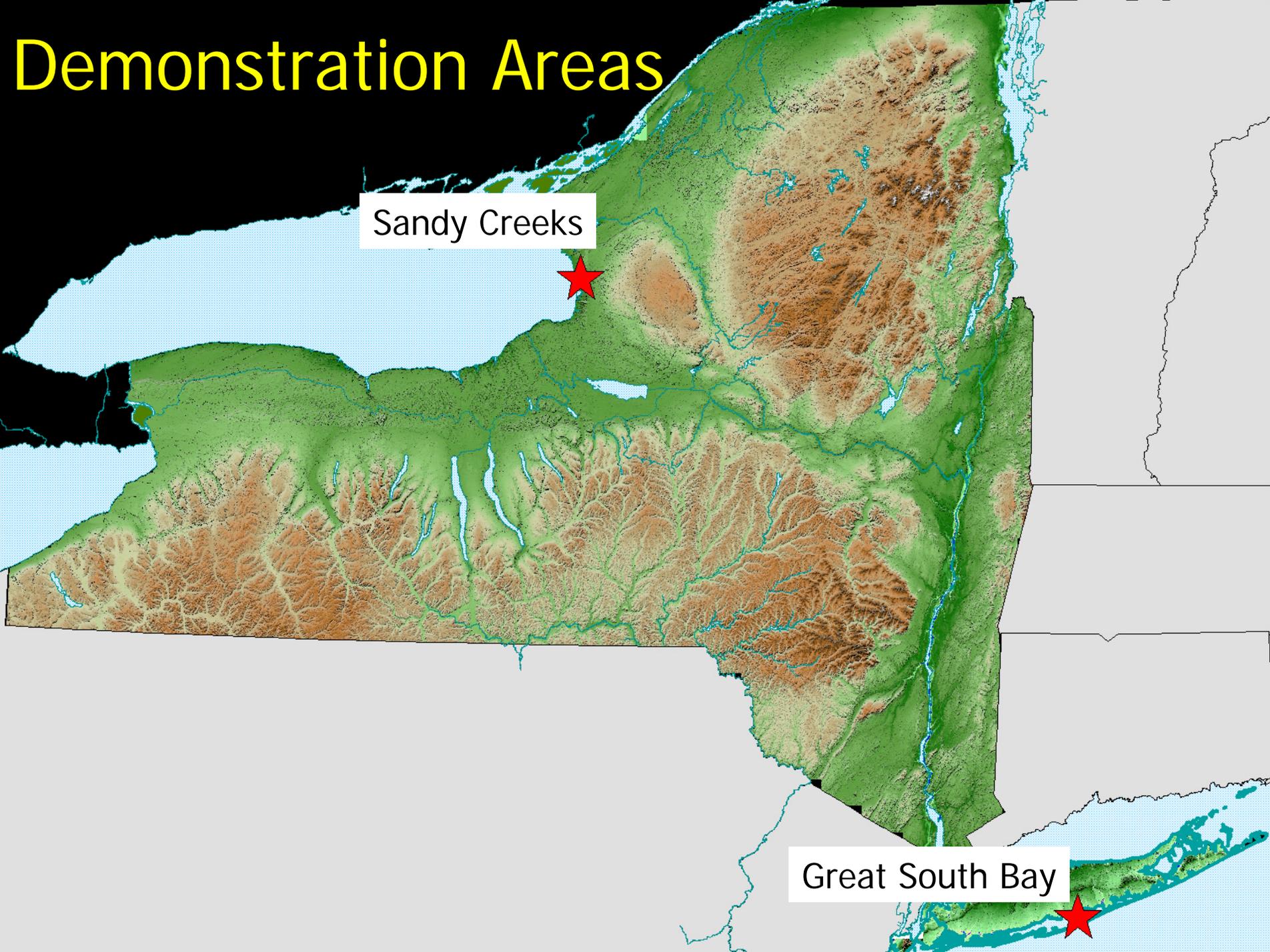
- Demonstration Areas

Demonstration Areas

Sandy Creeks



Great South Bay



Demonstration Area Approach

1. Developing ecosystem-based management plans
2. Undertaking significant restoration activities

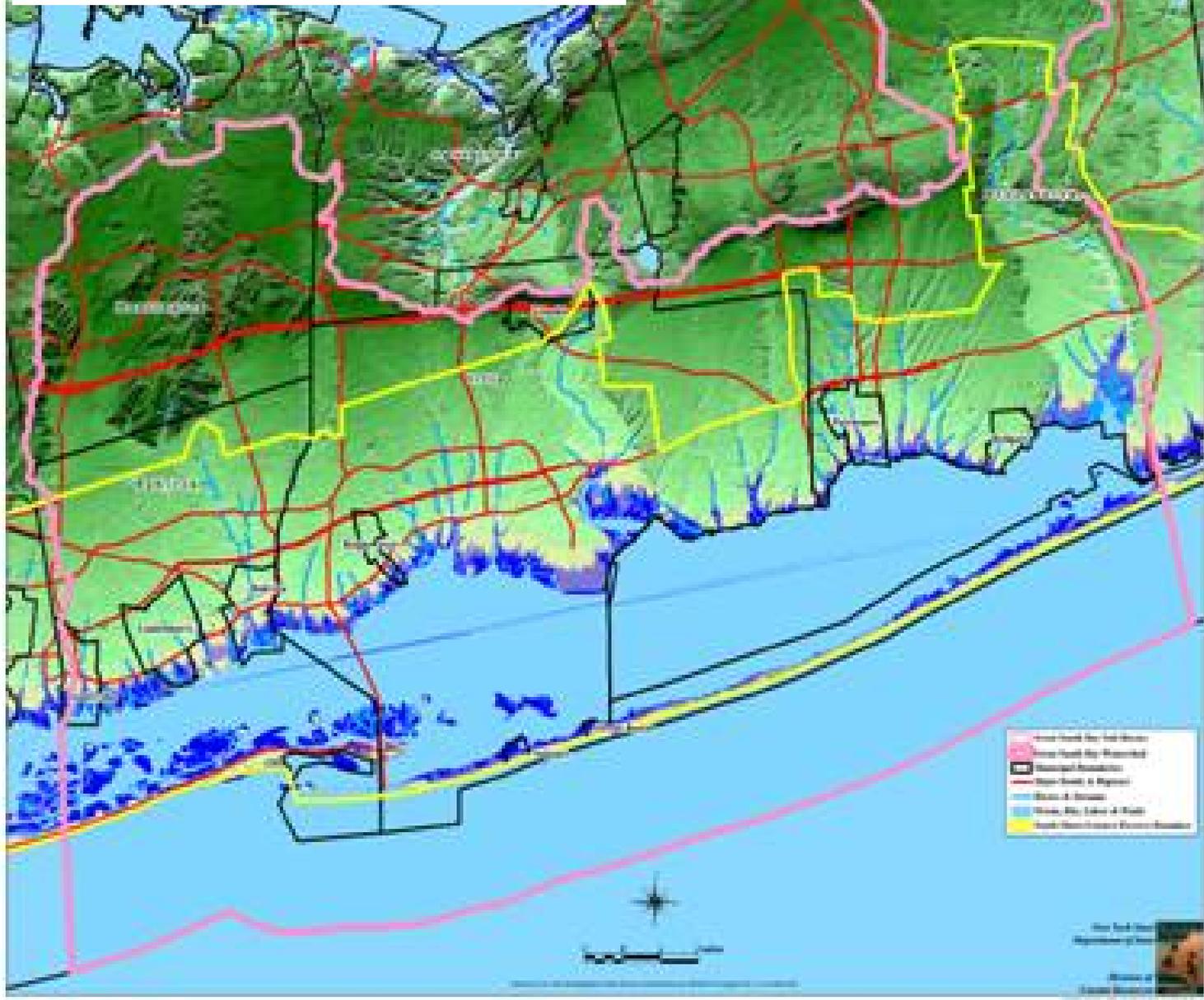
Great South Bay



Sandy Creeks



Great South Bay

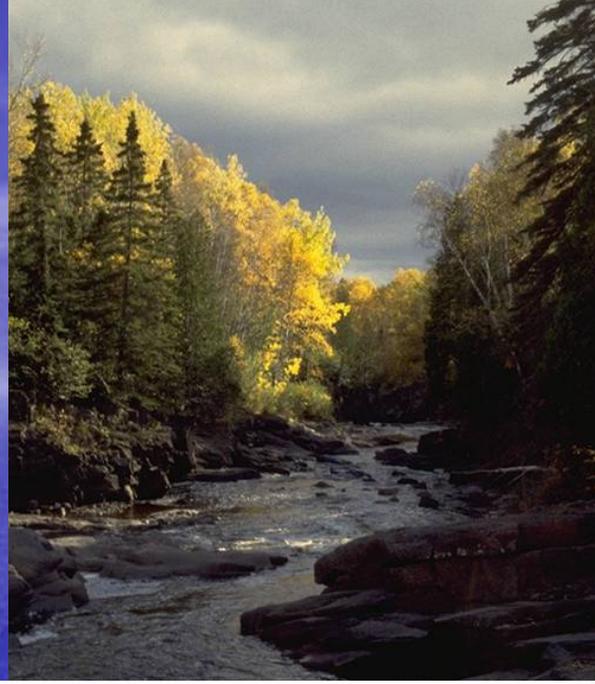


Demonstration Area Partners

- Council Agencies
- Tug Hill Commission
- South Shore Estuary Reserve Council
- The Nature Conservancy









SUNY

THE STATE UNIVERSITY *of* NEW YORK



NYSERDA



**New York State
Energy Research and
Development Authority**



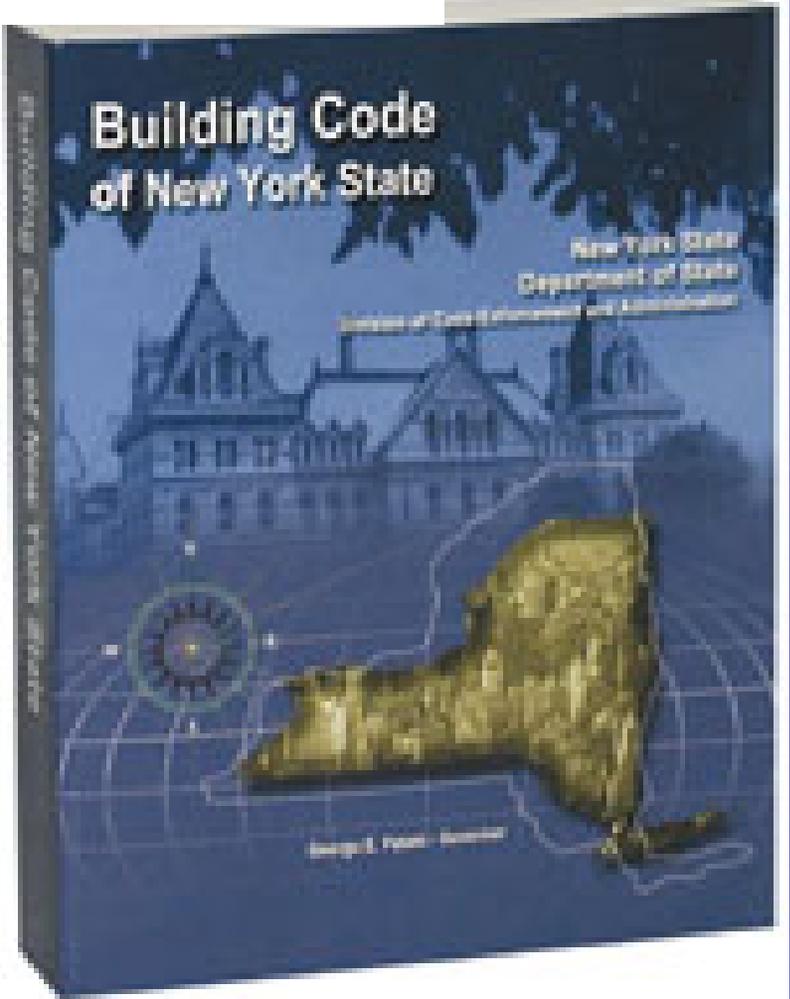
**New York
Energy Smart**
PUBLIC SERVICE COMMISSION — NYSERDA

Loans



Empire State Development





III. Progress to Date

New York State Ocean and Great Lakes Atlas - Mozilla Firefox

http://localhost/orho_new/index.cfm?West.x=118&West.y=6&ZoomDirect=63.94&skin=4&CenterX=-74.68&CenterY=44.1

New York State Ocean and Great Lakes Atlas

Item one | Item two | Item three | Item four | Item five

Zoom In/Rubber Band Tool - Click on the map to zoom-in at a centered point. To activate the rubber band feature, simply click and drag to draw the rubber band. When you release the mouse, you will be zoomed in to the "rubber-banded" area.

Map showing various locations including Alexandria Bay, Gouverneur, Edwards, Cranberry Lake, Theresa, Antwerp, Philadelphia, Oswego, Carthage, Fort Drum, Natural Bridge, Watertown, Carthage, Croghan, Brandreth, New Boston, and Lowville. A distance of 14.1 mi is shown between Watertown and another point.

MapInfo MapX Version 5.02.25. Expires in 18 days.
To order MapInfo MapX, contact your authorized MapInfo sales representative with hardware ID: 19505.

Legend:

- ADIR_BEDR_point
- ADIR_BEDR_poly
- canada
- ocean_ll
- pkquads
- placenames
- US County Boundaries
- us_hiway
- USA
- usa_caps
- uscty_1k

Overview:

Map History:

Recently Viewed Maps:

Choose a Map

Adjust Layers:

+ All Shown Layers:

+ Layers Not Shown:

Update Map

III. Progress to Date

- Research and Monitoring Agenda

Research and Monitoring Agenda



III. Progress to Date

- Stakeholder Engagement

Stakeholder Engagement



III. Progress to Date

- Council Website

<http://www.nyoglecc.org>



New York Ocean and Great Lakes
Ecosystem Conservation Council



Supporting Documents

- ▶ [New York Ocean and Great Lakes Ecosystem Conservation Act \(ECL Article 14\)](#)
- ▶ [Great South Bay Watershed Demonstration Project Newsletter](#)
- ▶ [Sandy Creeks Watershed Demonstration Project Newsletter](#)
- ▶ [Summary of Fall 2006 Dialogues](#)



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Send a plain-text email to the following address:
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New York Ocean and Great Lakes Ecosystem Conservation Council

[MEETING ANNOUNCEMENT AND COUNCIL NEWSLETTER](#)

September 19, 2007
10 a.m. - 12:30 p.m.
Blue Room (Room 250)
State Capitol
Albany, New York

Meeting Webcast

This meeting will be Web-cast Live and available for one month after the meeting. The web links for Live Web-cast below will be activated the morning of the meeting.

Windows Media:

<http://pointers.audiovideoweb.com/asxfile/live/1c2winlive6537.asx>

Real Media:

<http://interface.audiovideoweb.com/lnk/awweb2reallive2139/live.rmlplay>

Meeting Materials

- [Agenda](#)
- [Report to Council](#)
- [Report Appendices](#)
- [Resolutions](#)

Meeting Logistics:

The NY State Capitol in Albany, New York is located at the corner of State and Eagle Streets across from the Legislative Office Building in the Empire State Plaza.

IV. Proposed Framework

- The Work of the Council
- The Work of State Agencies
- Regional Programs and Partners

IV. Proposed Framework

- The Work of the Council
 - Guide process
 - Examine over 200 programs
 - Facilitate ecosystem-based management

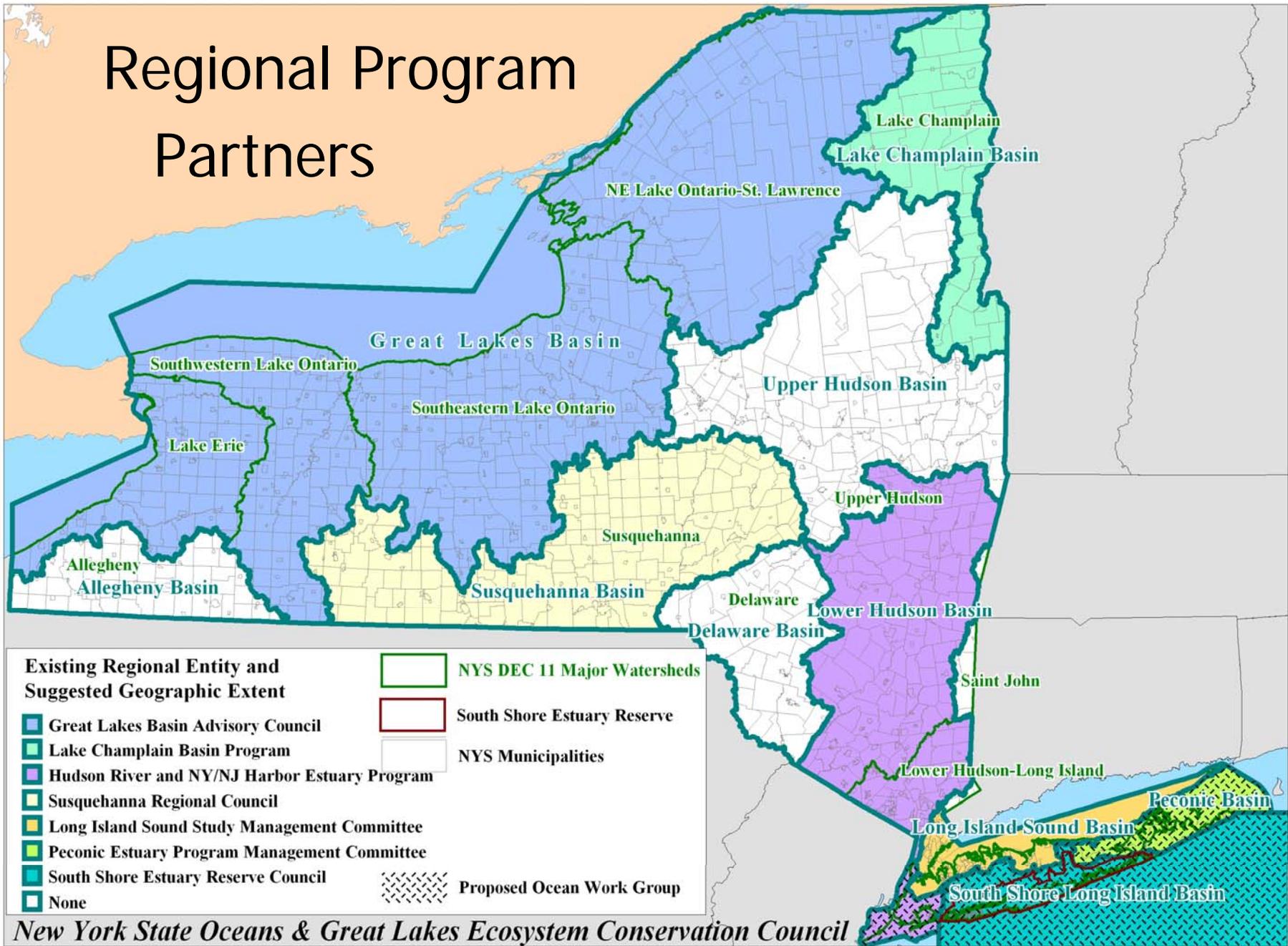
IV. Proposed Framework

- Development of Agency Guidelines
 - Program review
 - Internal guidance
 - Integration of ecosystem-based management components

IV. Proposed Framework

- Place-based Programs and Partners
 - Great Lakes Basin Advisory Council
 - Hudson River Estuary Program
 - Long Island Sound Study
 - New York Harbor Estuary Program
 - Peconic Estuary Program
 - South Shore Estuary Reserve Program
 - Tug Hill Commission

Regional Program Partners



New York State Oceans & Great Lakes Ecosystem Conservation Council

V. Recommendations to the Council

- 15 Recommendations
 - Council structure
 - Build on existing programs
 - Support ecosystem-based management components

Next Steps

- Schedule of deliverables
 - December 2007 – Demonstration Areas
 - March 2008 – Ocean and Great Lakes Atlas
 - June 2008 – First Draft
 - September 2008 – Recommended Revisions
 - November 2008 – Final Report

www.nyoglecc.org

New York Ocean and Great Lakes Ecosystem Conservation Council

19 September 2007