New York Ocean and Great Lakes Ecosystem Conservation Council's The Ocean and Great Lakes Report www.nyoglecc.org

The 2009 Lake Ontario Basin Forum April 9, 2009

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New York Ocean and Great Lakes Ecosystem Conservation Council

Our Waters, Our Communities, Our Future

Taking Bold Action Now to Achieve Long-term Sustainability of New York's Ocean and Great Lakes

presented to

Governor David A. Paterson and The New York State Legislature

by

The New York Ocean and Great Lakes Ecosystem Conservation Council

April 2009

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Agenda

Overview

- Introduction to EBM and the Council
- Overview of the Ocean and Great Lakes Report
 - Report Part I: Achievements
 - Report Part II: Five priorities
 - Report Part III: Agenda for action



Ecosystem-based Management (EBM) & the Council



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Coastal Ecosystems in Trouble



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"



New York Ocean and Great Lakes Ecosystem Conservation 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

Agency Steering Committee

Stakeholder Scientific Technology
Advisory Advisory Working
Group Group Group

Ocean Working Group Great Lakes Working Group Place-based Partners

State and National Estuary Programs

Other Regional Programs

Council
Demonstration
Projects

Inter-municipal Watershed Projects



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New York Ocean and Great Lakes Ecosystem Conservation Act

Guiding Principles of the Act:

- Sustainability
 - Ecological health
 - Interconnections
 - Understanding
 - Science-informed decisions
 - Precautionary
 - Stakeholder engagement



Ecosystem-based Management

EBM Benefits:

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

Environment

Community

Economy



Report Development

Technical Working Group Agency Steering Committee

Science Advisory Group

Great Lakes Working Group

Demonstration Areas

Ocean Working Group

Draft Report Five Public Dialogues 2006

Report Part I: Council Achievements

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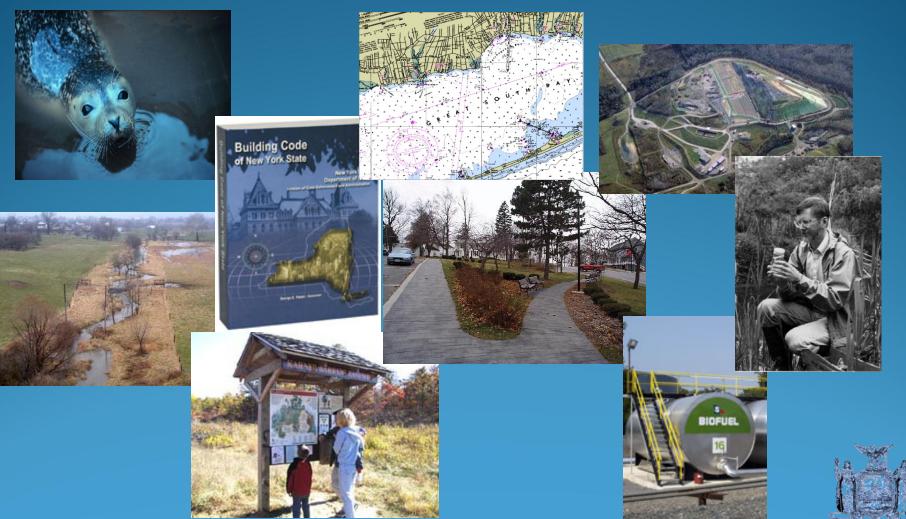
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New York Occasion Great Lak Economic more value Come

A. Recognize Existing EBM Efforts in State Agencies



Report Part I: Council Achievements

New York Oronand Great Lakes

- B. Develop Agency Guidelines to Integrate EBM into the Existing State Programs Examples
- Open Space Conservation Plan (DEC)
- Building and Energy Conservation Code (DOS)
- Smart Growth Initiative (DOT)
- Environmental Monitoring, Evaluation and Protection Program (NYSERDA)
- New York Marine Sciences Consortium (SUNY)



C. Support EBM Projects with the Environmental Protection Fund from State Fiscal Years 2006-2007 and 2007-2008 – Examples

- Conservation Riparian Buffer Initiative (DAM)
- Marine Mammal Acoustic Monitoring Program (DEC)
- Ocean and Great Lakes Literacy Kiosks (OPRHP)
- Underwater Lands Mapping Project (OGS)



D. Establish Principles to Align Council Agencies





E. Establish a Research Agenda

Identified four themes of research required for EBM

- Define ecosystems structures, functions and services
- Characterize ecosystem change
- Forecasting ecosystem fate
- * Resolving competing needs for ecosystem services





- F. Create an Ocean/Coastal Resource Atlas
- Developed Atlas, public release July23, 2008 www.nyoglatlas.org





G. Demonstrate Improvements in Two Study Areas Using EBM

- Learning laboratories
- Taking EBM to the local level

Great South Bay



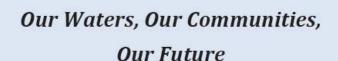
Sandy Creeks





Report Part I: Council Achievements

Report Part II: Five Priorities



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Part II: Priorities to Achieve Healthy Ecosystems in New York

Priority: Water and Land

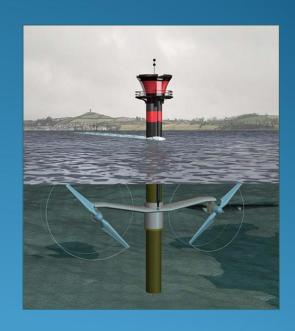
Managing Natural Resources,
Human Activities and
Environmental Quality



Part II: Priorities to Achieve Healthy Ecosystems in New York

Priority: Energy

Developing
Ecosystem Approaches to
Meet Critical Energy Needs





Part II: Priorities to Achieve Healthy Ecosystems in New York

Priority: Economy

Achieving
Economic Vitality and Community Well-being
within the Context of Healthy Ecosystems



Part II: Priorities to Achieve Healthy Ecosystems in New York

Priority: Climate Change

Adapting to Dynamic Coastal Ecosystems





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Part II: Priorities to Achieve Healthy Ecosystems in New York

Priority: Capacity Building

Provide Tools to put EBM Principles into Action



Report Part III: Actions

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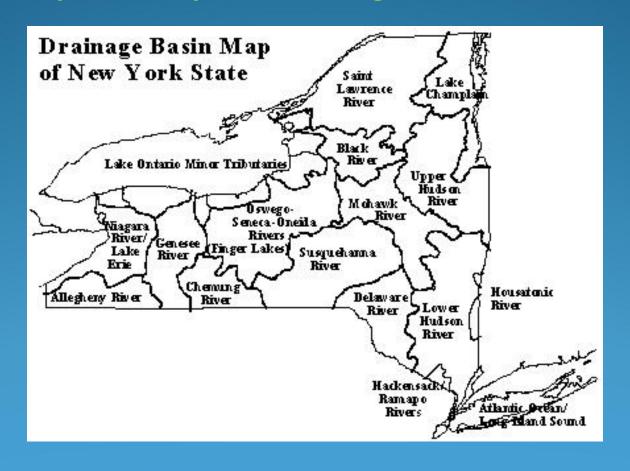
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1. Transition the Council to Implementation





2. Develop and Implement Regional EBM Action Plans





3. Aid Local Governments to Achieve EBM





4. Complete Incorporating EBM Principles into State and Regional Programs





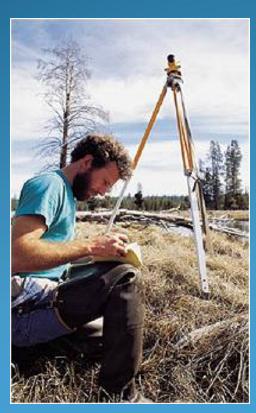
5. Accommodate Competing Demands for



Report Part III: Actions

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6. Track Ecosystem Health to Measure Success Over Time







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Report Part III: Actions

7. Complete EPF Funded Ocean and Great Lakes Ecosystem Projects





8. Build Capacity to Equip and Empower Diverse Constituencies



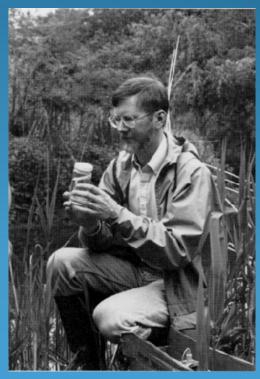




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9. Implement Key Recommendations of the Council's Science Advisory Group







10. Continue to Evolve EBM in the Pilot Areas







11. Reduce Debris in Ocean and Great Lakes Waters



12. Prohibit the Discharge of Waste from Boats into the Environment

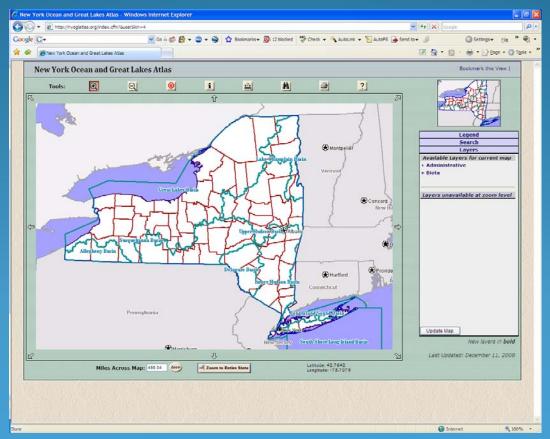






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13. Maintain and Enhance the Web-based Ocean and Coastal Resources Atlas





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Ocean and Great Lakes Report



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