

# Ohio Coastal Management Program

Ohio Department of Natural Resources  
Office of Coastal Management

**2008 Great Lakes Regional Meeting  
Ohio Program Update  
September 23, 2008**

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Lake Erie is the...

*shallowest*

*warmest*

most biologically diverse

most productive

*southernmost*

...of the five Great Lakes

# Lake Erie is the ...

...smallest Great Lake by volume.

...2<sup>nd</sup> smallest Great Lake in total surface area.

...11th largest freshwater lake in the world.



# Lake Erie has...

...the shortest retention time of the Great Lakes -- 2.6 years.

...an average depth of only 62 feet, allowing the lake to warm rapidly in the spring and summer and frequently freeze in winter.

A photograph of a rocky coastline. In the foreground, there are large, dark, jagged rocks. The water is dark blue with white foam from waves crashing against the rocks. The sky is a clear, bright blue. On the left side, there are green trees and bushes. The overall scene is a rugged, natural coastal environment.

**Ohio's Coast is...**

**...the first modern Great Lake coast to form after the retreat of the glaciers.**

**...today, the most armored of the Great Lakes.**

# Ohio's Coast is...

... 312 miles long, extending from Toledo in the Western Basin to Conneaut in the Central Basin.

...home to 2.6 million residents.  
23% of Ohio's population lives in the eight coastal counties.



# **Working with local governments to make effective land use decisions**

- Watershed Planning
- Hazard Planning
- Community and Recreational Access Planning

## Coastal Management Grants

# Grant Recipients

All grants awarded by the Ohio Coastal Management Program are featured in:

- Ohio Coastal Management Program Grants 98-07
- Select “Grants” at [www.ohiodnr.com/coastal](http://www.ohiodnr.com/coastal) then download the grants booklet.
- Total Dollars Awarded: \$34,846,493 in eight categories:







## Category Distribution of Grant Award Dollars 1998-2007

•Acquisition	\$ 4,485,108	13 %
•Construction	\$ 558,07	41.6 %
•Education	\$ 1,777,87	15.1 %
•Planning	\$ 3,752,766	11 %
•Watershed Plans	\$ 2,330,140	6.7 %
•Research/Monitoring	\$ 1,224,614	3.5 %
•Restoration	\$ 551,182	1.6 %
• <u>CELCP</u>	\$20,166,738	58 %



# 2008

## Coastal Management Assistant Grants

- **Old Woman Creek and Huron River Watershed Investigation**  
\$42,957 of \$87,329- Erie County Health Department
- **Nautical Archaeology Workshop and Shipwreck Survey**  
\$20,000 of \$41,625- Great Lakes Historical Society
- **Elyria Greenway and Train Comprehensive Plan**  
\$19,000 of \$38,000- City of Elyria
- **Chagrin River's Anchor Island Protection Project**  
\$110,000 of \$220,000- City of Eastlake Port Authority
- **Meadowbrook Marsh Public Access Trail and Boardwalk**  
\$50,000 of \$103,000- Danbury Township Board of Trustees

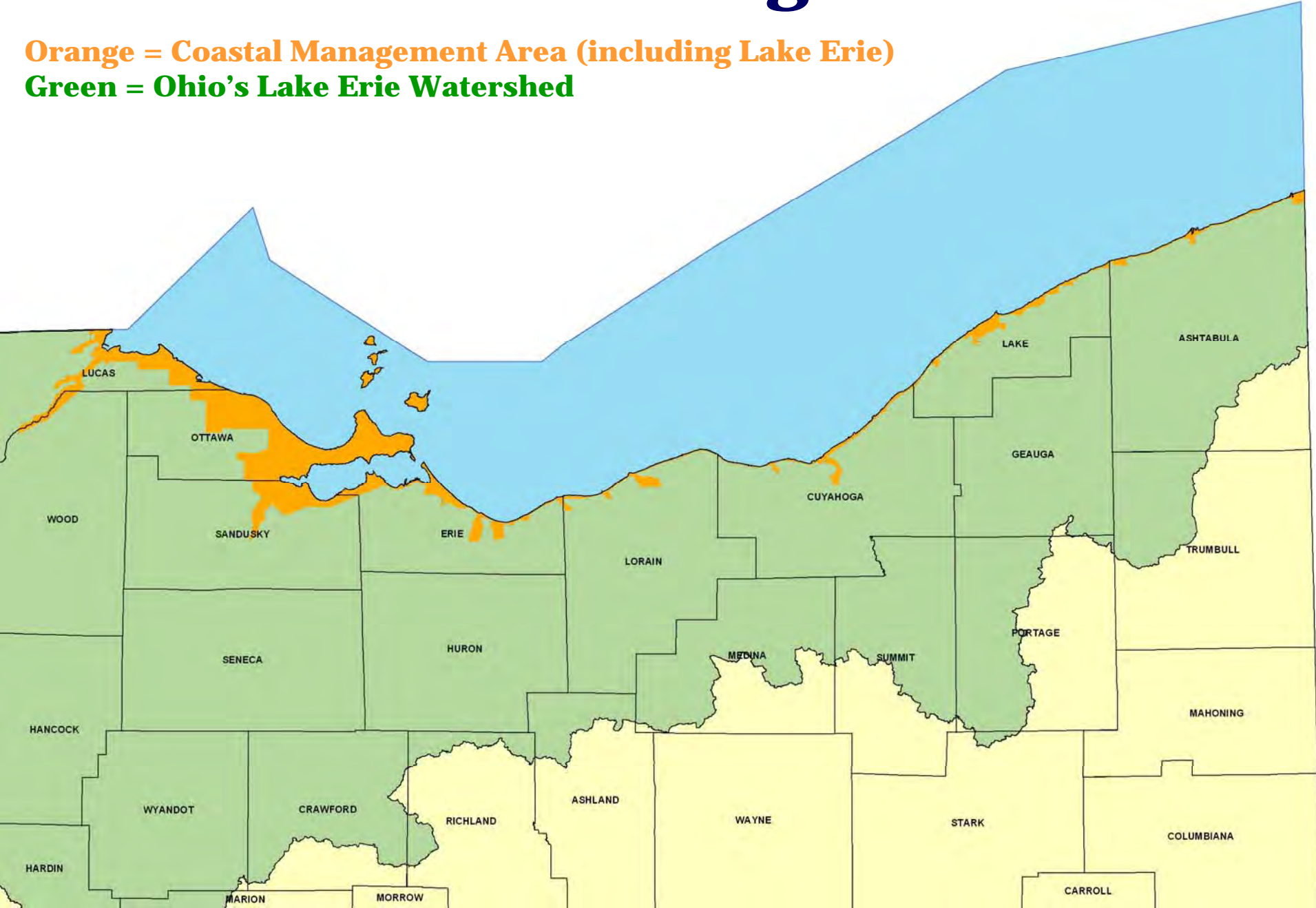
# Watershed Planning

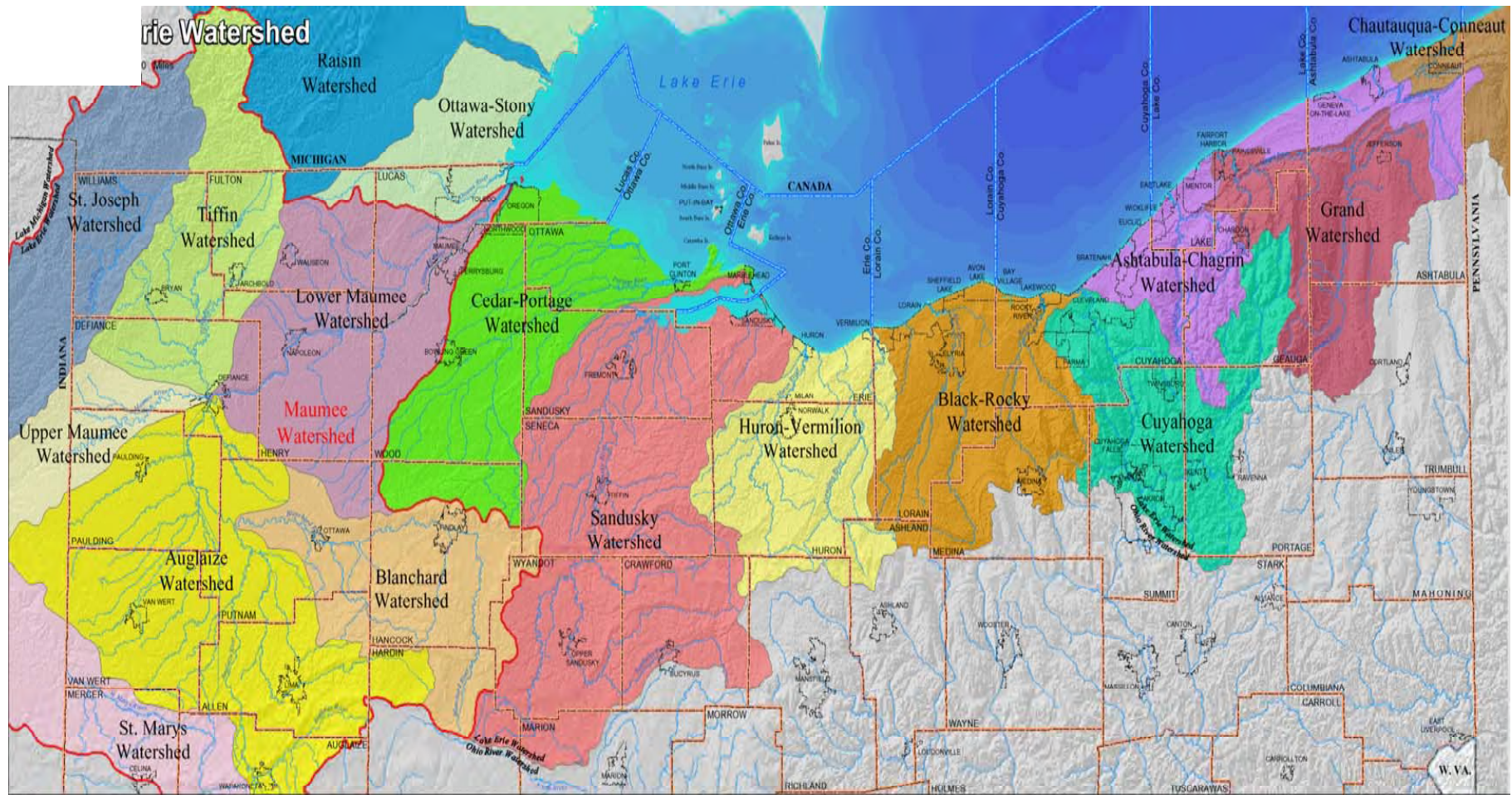
- Ohio Lake Erie Balanced Growth Program
- Coastal Non-Point Program
- Ohio Watershed Coordinator program
- Watershed Action Planning
- Wild and Scenic River Planning



# Ohio Coastal Management Area

**Orange = Coastal Management Area (including Lake Erie)**  
**Green = Ohio's Lake Erie Watershed**





Sources:  
 Lake Erie Watershed Boundaries - CONR, USGS, CEPA, NRCS, 1999  
 Great Lakes Watershed Boundaries - USGS, GeoGratis (Canada), 1998  
 Bathymetry and Topography - CONR, Division of Geological Survey, 2004  
 County and City Boundaries - ODOT, 2001  
 Indiana-Michigan Boundary - ODNR Office of Coastal Management, 2004  
 State Boundaries (West) - US Department of Transportation, 1994  
 Hydrology - USGS Digital Hydrologic Datasets, various dates



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CNPCP

# Coastal Nonpoint Pollution Control Pgrm.

- Focusing public resources on the most achievable solutions to address the unique nonpoint pollution concerns within the Lake Erie basin.
  - Conditional approval from NOAA in 2000
- **Final Goal** – Every Ohio LE watershed implementing a state endorsed watershed plan.
  - Plans for areas of 100 sq. miles or less
  - Plans are developed for more than half watersheds
  - Size varies from entire Sandusky River Watershed to the 10 square mile Duck and Otter Creek (Lucas County).
- Under the “Programs and Projects” link at [www.ohiodnr.com/soilandwater](http://www.ohiodnr.com/soilandwater)



# Watershed Planning



- Coastal Non-Point Program
  - Ohio Watershed Coordinator program
  - Watershed Action Planning

# Coastal Hazard Planning

- Coastal Erosion Area (re) mapping
- Lake Erie Shore Erosion Management Plan
- Coastal Hazards Technical Assistance
- Local Lakefront Protection Studies





# Coastal Hazards



- Coastal Erosion Area (re) mapping
- Lake Erie Shore Erosion Management Plan

# Questions?

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