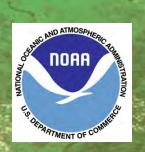
Great Lakes Region Coastal Managers Meeting September, 2008

Sustainable Development and the Michigan Coastal Management Program



Cathie Cunningham Ballard

Matthew Smar

Michigan Coastal Management Program

Department of Environmental Quality



Mission:

To protect, restore, and promote appropriate, sustainable use of our Great Lakes coastal resources.

Goals

- To increase and improve public access to the waters and shores of Michigan's Great Lakes
- To help coastal communities plan future land use, identify hazards, and manage growth and development
- To revitalize urban waterfronts, brownfields, and ports
- To protect, restore, and foster stewardship of coastal habitats and water quality
- > To preserve and interpret cultural and historic maritime resources

Two-Pronged Approach Toward Achieving Goals . . .

 Support permitting programs with a coastal resource protection focus

Coastal Zone Management Grants





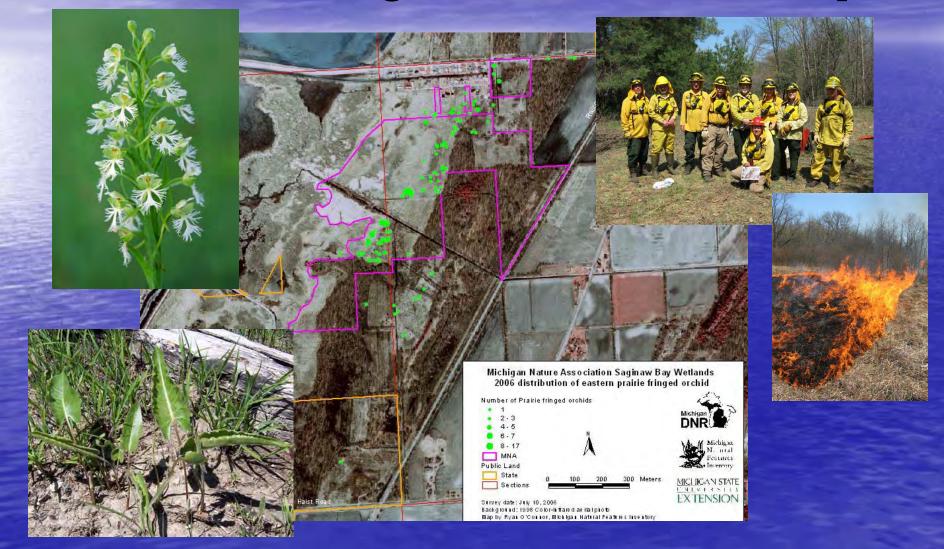
CZM Grants: Coastal Management through Local Partnerships

- Local and tribal governments, nonprofit organizations, academic institutions, and state agencies
- Projects implement Coastal Program goals
- Annual RFP with May 1 application deadline
- >\$50,000 maximum grant, 1:1 match

Watershed Management: Surveys and Resource Inventories

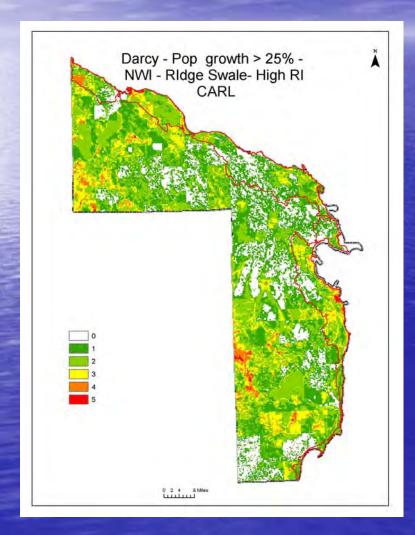


Watershed Management: Research, Management, and Stewardship





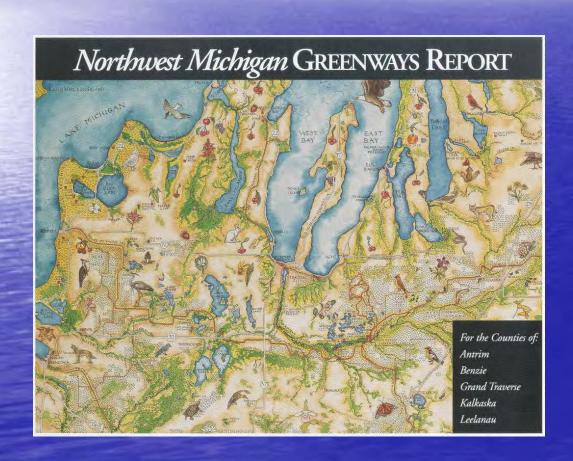
Watershed Management: Habitat Mapping







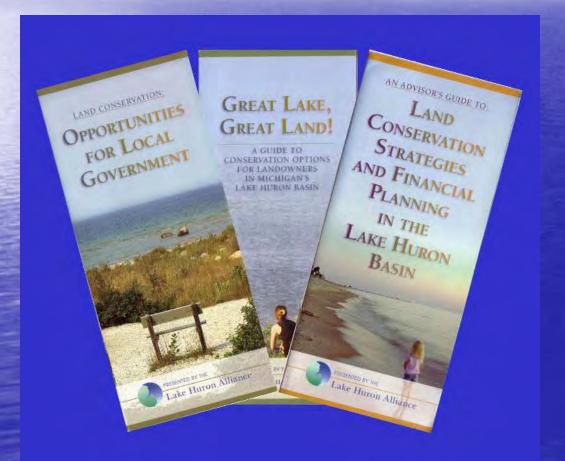
Watershed Management: Conservation and Green Infrastructure Planning



- Large blocks of habitat
- Rare natural communities
- Wetlands
- Riparian buffers
- Ecological corridors

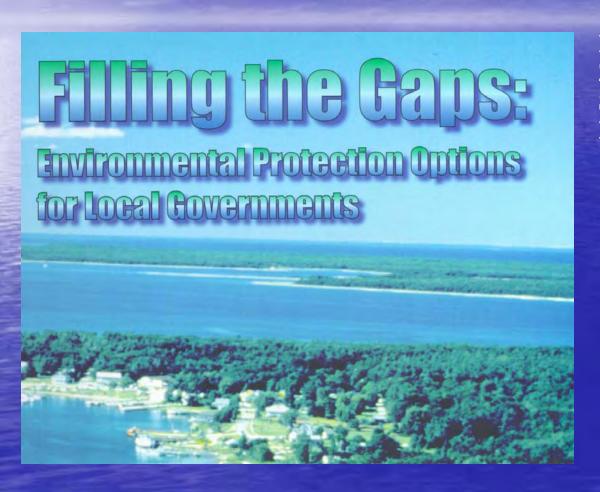


Watershed Management: Outreach and Education



- **>** Brochures
- Displays
- Curricula and programming
- Web-based outreach
- Public meetings and special events

Improving Use and Reuse of Coastal Land and Water Resources through Planning and Growth Management



Local Planning and Zoning Techniques to Supplement State Protections:

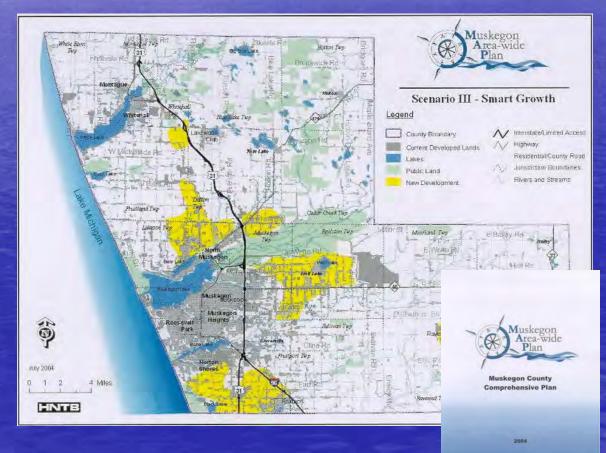
- Wetlands
- Sand Dunes
- > Floodplains
- Inland Lakes and Streams
- High Risk Erosion Areas
- Soil Erosion and Sedimentation



Improving Use and Reuse of Coastal Land and Water Resources through Planning and Growth Management





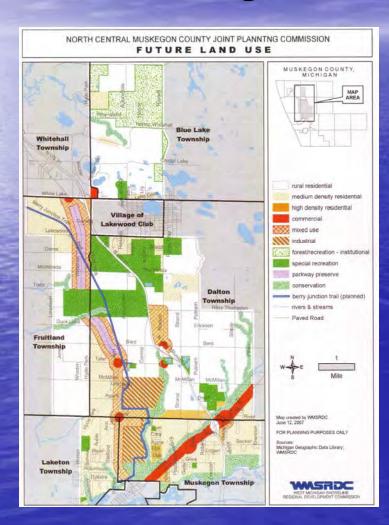


Muskegon Area-Wide Plan Scenario Comparison

FACTOR	Business as Usual	Zoning Build-out	Smart Growth
Forest lost (acres)	8,612	84,658	13,808
Ag/open space lost (acres)	8,563	25,056	4,195
% New development outside of sewer service area	65%	56%	5%
Number of new septic systems	5,054	33,999	532



Improving Use and Reuse of Coastal Land and Water Resources through Planning and Growth Management



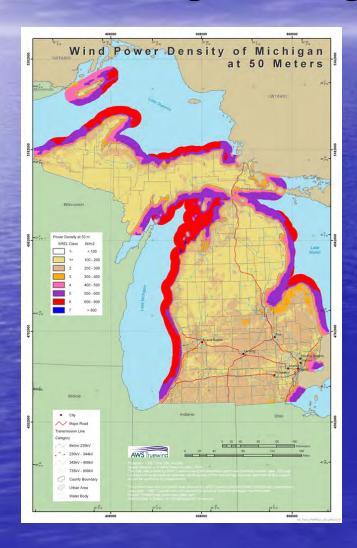
Joint Planning and Zoning:

North Central Muskegon County Joint Planning Commission and Plan

Farmland, forest land, riparian corridors, and other land and water resources spanning multiple jurisdictions are best managed cooperatively



Improving Use and Reuse of Coastal Land and Water Resources through Planning and Growth Management



Sustainable Economic Development:

Manistee County Wind Energy Plan





Improving Use and Reuse of Coastal Land and Water Resources through Planning and Growth Management



Sustainable Economic Development:

Water Trails

Promoting recreation and tourism based on coastal natural resources

