

Rising Water in Ottawa County Parks



- Ottawa County Coastal Greenway Parks
- Impacts of rising lake levels
- Our response to the impacts



Lake Michigan Coastal Greenway

Ottawa County Parks & Recreation



- North Beach Park
- Rosy Mound Natural Area
- Kirk Park
- Olive Shores Park
- Tunnel Park
- Historic Ottawa Beach



Ottawa County Parks &
Recreation Commission

Impacts: Lake Michigan



Smaller Beaches

- User conflicts

Tunnel Park



Ottawa County Parks &
Recreation Commission

Impacts: Lake Michigan



Smaller Beaches



North Beach Park



Ottawa County Parks &
Recreation Commission

Impacts: Lake Michigan

2010



Current



Rosy Mound

Smaller Beaches



Ottawa County Parks &
Recreation Commission

Impacts: Lake Michigan



Current



Olive Shores

Smaller Beaches



Ottawa County Parks &
Recreation Commission

Impacts: Lake Michigan



Tunnel Park

Smaller Beaches



Ottawa County Parks &
Recreation Commission

Impacts: Lake Michigan



2011



Current

Smaller Beaches

Kirk Park



Ottawa County Parks &
Recreation Commission

Impacts: Lake Michigan



Steep Slopes

- Safety issues
- No barrier free access



North Beach Park



Impacts: Lake Michigan



Loss of Foredune



Rosy Mound



Impacts: Lake Michigan



Loss of Foredune



Tunnel Park



Impacts: Lake Michigan

Historic



Current



Loss of Foredune

Olive Shores



Ottawa County Parks &
Recreation Commission

Impacts: Lake Michigan



Loss of primary dune



Kirk Park



Impacts: Lake Michigan

Dune Ridge Trail



Damage to boardwalks & stairways

- Estimated \$100K in repairs so far



Kirk Park

Dog Beach Access



Ottawa County Parks &
Recreation Commission

Impacts: Lake Michigan

2010



2015



Current



Rosy Mound
South Overlook

Damage to boardwalks & stairways



Ottawa County Parks &
Recreation Commission

Impacts: Lake Michigan

2013



Current



Rosy Mound
North Overlook

Damage to boardwalks & stairways



Ottawa County Parks &
Recreation Commission

Impacts: Lake Michigan



North Beach Park

Threat to picnic shelter



Ottawa County Parks &
Recreation Commission

Impacts: Lake Michigan



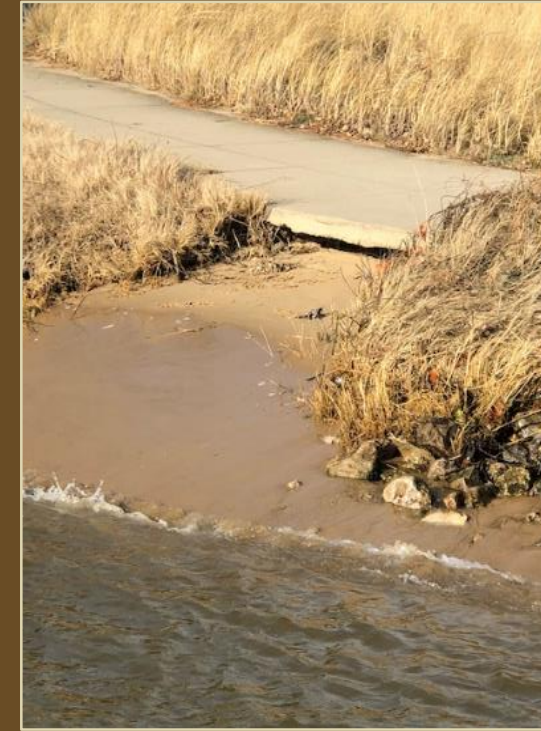
North Beach Park

Neighbor Relations



Ottawa County Parks &
Recreation Commission

Impacts: Connecting Waterways



Lake Macatawa Shoreline Erosion

- Threat to park walkways & parking

Historic Ottawa beach



Ottawa County Parks &
Recreation Commission

Impacts: Connecting Waterways



Ottawa Beach Marina

- Flooding & dock issues



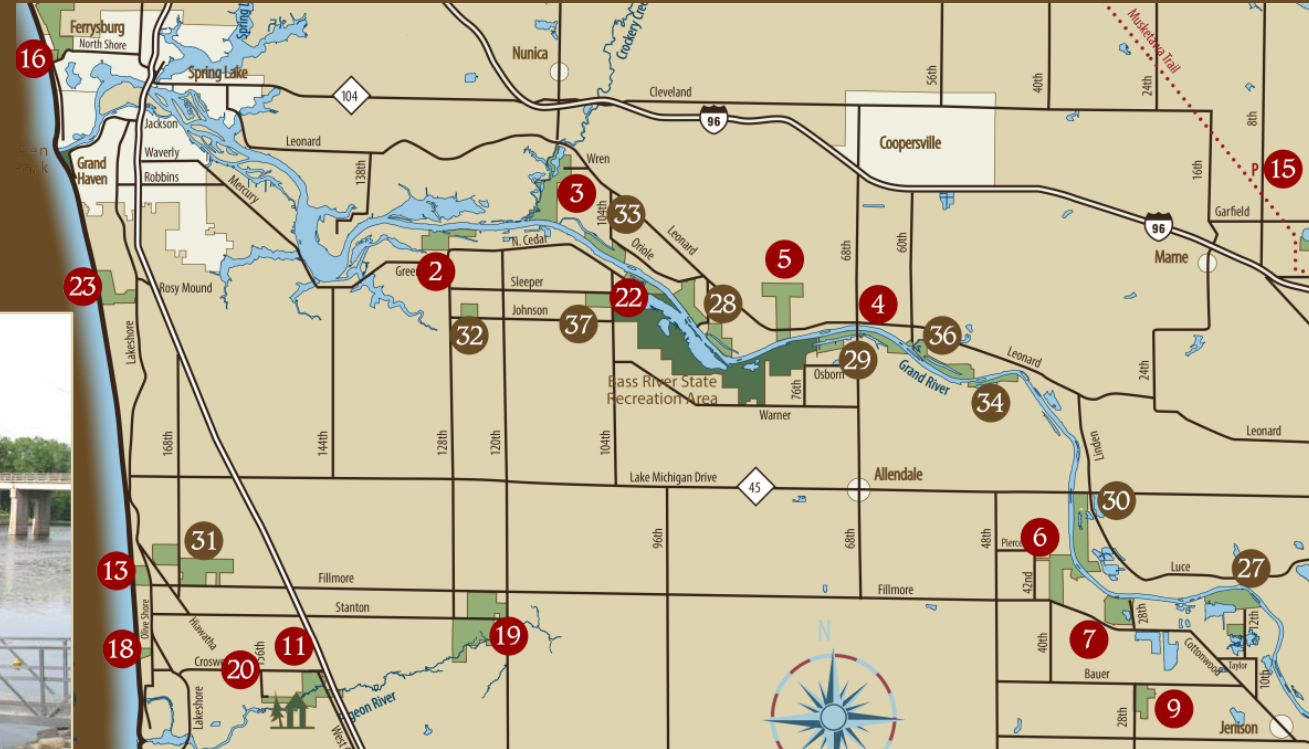
Historic Ottawa beach



Ottawa County Parks &
Recreation Commission

Impacts: Connecting Waterways

- Connor Bayou
- Eastmanville Bayou
- Grand Ravines
- Grand River Park



Grand River Kayak Launches



Response

- Communication with public and rule modification (dogs at Kirk)
- Engineered shoreline (rip-rap at Ottawa Beach)
- Kayak launch modifications
- Preparing for Picnic Shelter protection measures (permitting)
- Letting people access the beach without stairs and boardwalks
- Wait and See for long term beach access solutions



Any Questions?



Ottawa County Parks &
Recreation Commission