

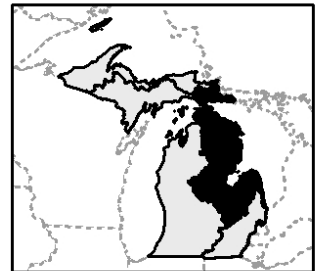
Lake Characteristic: Wave-Washed Shore



No Data

0 15 30 60 Kilometers

0 5 10 20 Miles



Lake Characteristic: Wave-Washed Shore

Description

Wave-washed shores are areas of lakes with constant wind-generated wave energy in relatively shallow water with natural substrates and with the absence of human altered shorelines. These areas are found primarily in the Great Lakes and large inland lakes.

General Condition of Feature

This habitat is considered 45% in good to excellent condition, 30% in fair condition, and 25% in degraded to very degraded condition.

Associated Species of Greatest Conservation Need

INSECTS

stygian shadowdragon (*Neurocordulia yamaskanensis*)

FISH

lake sturgeon (*Acipenser fulvescens*)
river darter (*Percina shumardi*)

Associated Threats

POLLUTION

- Altered sediment loads: Sedimentation proximal to stream mouths (low threat)

HABITAT CONVERSION

- Dredging and channelization: Dredging; Filling
- Riparian modification: Break-walls; Shoreline modification

Conservation Actions Needed (Threats addressed)

LAND, WATER & SPECIES MANAGEMENT

- Preserve woody riparian vegetation to reduce sedimentation (altered sediment loads, riparian modification)
- Soften or remove shoreline structures (riparian modification)
- Encourage use of natural materials or soft engineering techniques for any shoreline modification (riparian modification)
- Maintain or establish riparian buffers of at least 50 ft., but 500 ft. or wider maximizes conservation benefits (riparian modification)
- Work with road commissions on rehabilitating eroding roads or crossings near water bodies (altered sediment loads, riparian modification)

LAW & POLICY

- Work with regulatory agencies to restrict dredging and channelization activities (altered sediment loads, dredging and channelization, riparian modification)
- Restrict beach grooming (riparian modification)
- Develop planning and zoning regulations and ordinances where needed (altered sediment loads, riparian modification)
- Enact and enforce shoreline protection regulations (riparian modification)
- Encourage green-space planning (riparian modification)
- Encourage clustered development rather than evenly spaced home lots (riparian modification)
- Ensure that local setback and buffer ordinances are enforced (riparian modification)

EDUCATION & AWARENESS

- Educate landowners on the value of riparian areas (riparian modification)

Research and Survey Needs

- Determine effective methods of communication with the public and their stewardship role
- Determine the amount of hard shoreline modification

Monitoring

- Beach sanding
- Land use changes
- Nearshore dredging
- Riparian modification