

The health of the land by the lakes, nearshore terrestrial ecosystems, is degrading throughout the Great Lakes

Ecological communities

Definition

Ecological communities are places having unique physical features and habitats supporting unique plant and animal life.

Factors used in determining the quality of Great Lakes ecological communities:

- % remaining in a healthy state
- Major stresses
- Sources of stress
- Processes/functions impaired
- Species/communities threatened/endangered
- Stewardship activities in place
- Trend from no change to severely degrading



Arctic-alpine disjunct communities



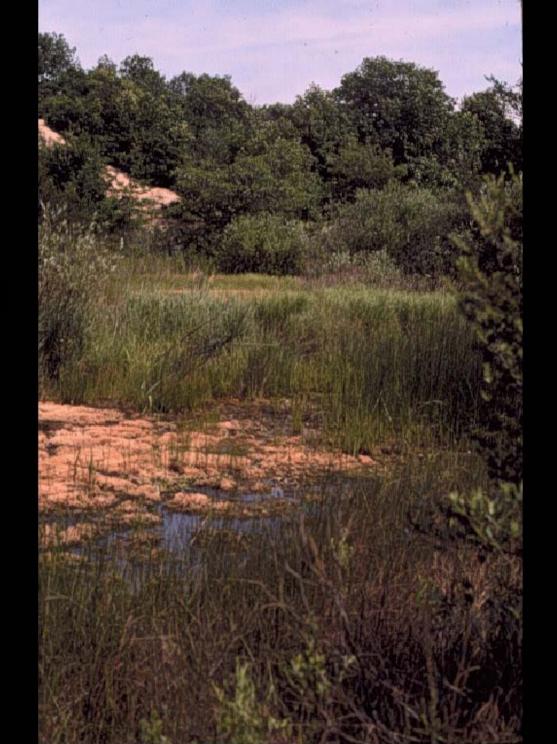
Sand beach







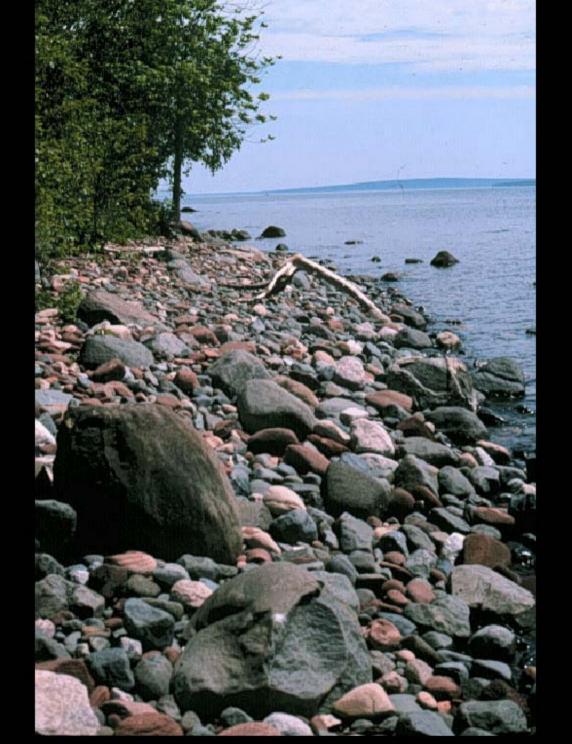
Atlantic coastal plain communities



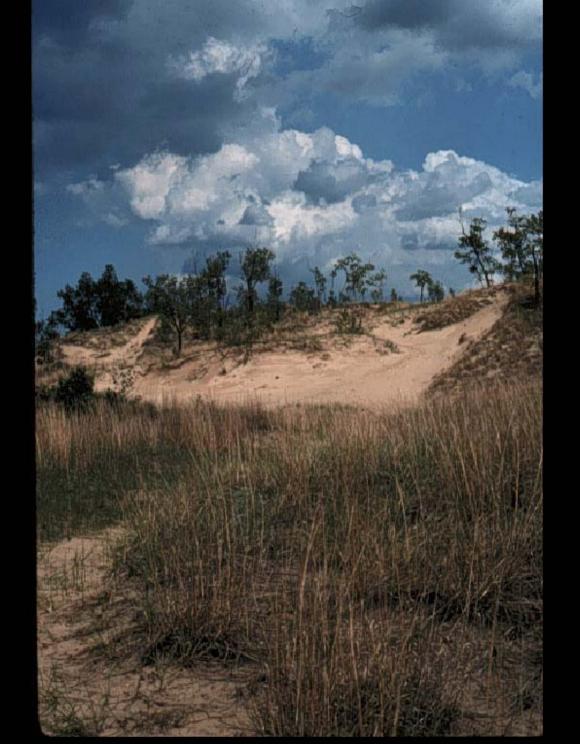




Bedrock beach



Sand barrens





Shoreline alvars



Conservation Needs:

- Identify the effects of human-induced water-level changes on the functioning of shoreline natural ecosystems;
- Increase understanding of the long-term effects of beach and dune erosion or nourishment;
- Establish the synergistic effects of human-induced stressors on the 12 special lakeshore community types; and,
- Assess the representation of coastal biodiversity within ecoregions and ecodistricts.

Biodiversity Investment Areas

