



DISTRIBUTED THROUGHOUT AREA



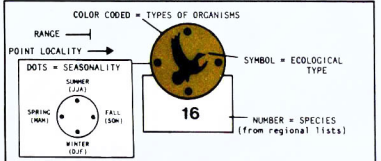
SHORELINE TYPES ORIGINALLY
PLOTED ON 1:82,500 SCALE MAP

LAKE MICHIGAN, EASTERN SHORE
SHORELINE TYPES

- Sensitivity**
- 1 Exposed bedrock bluffs (not present)
 - 2 Exposed bluffs
 - 3 Shelving bedrock shores (not present)
 - 4 Sand shores
 - 5 Mixed sand and gravel shores
 - 6 Gravel shores
 - 7 Riprap (boulder) structures
 - 8 Sheltered bluffs (not present)
 - 9 Low vegetated banks (not present)
 - 10A Fringing wetlands
 - 10B Extensive wetlands
 - Unranked harbor structures (concrete, steel bulkheads, etc.)

BIOLOGICAL RESOURCES

- FISHES**
- Forage fish
 - Salmonids
 - Other gametfish
- VEGETATION**
- Rare coastal species
- MAMMALS**
- Coastal species
- BIRDS**
- Shorebirds
 - Wading birds
 - Diving birds
 - Waterfowl
 - Raptors



SOCIOECONOMIC FEATURES

- Parks and preserves
- Recreational beaches
- Power plants
- Marinas
- Water intakes

SPILL-RESPONSE INFORMATION

- Boat ramps
- Booms
- Skimmers

Mapped, edited, and published by the Geological Survey
Control by USGS and NOS/NOAA
Topography by photogrammetric methods from aerial photographs
taken 1976. Field checked 1977. Map edited 1981

rpi inc.
Research Planning Institute, Inc.
925 Gervais Street
Columbia, South Carolina, USA 29201
(803) 256-7322

There may be private inholdings within the boundaries of
the National or State reservations shown on this map

UTM GRID AND 1981 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

SCALE 1:24,000
1 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 5 10 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
DEPTH CURVES AND SOUNDINGS IN FEET-DATUM IS LOW WATER 576.8 FEET
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
AND BY THE GEOLOGICAL SURVEY DIVISION
MICHIGAN DEPARTMENT OF NATURAL RESOURCES, LANSING, MICHIGAN 48909
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ESI MAP
#15

COVERT, MICH.
SE/4 SOUTH HAVEN 15' QUADRANGLE
N4215-W8615/7.5