DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

Prepared in cooperation with the
OHIO DEPARTMENT OF NATURAL RESOURCES - DIVISION OF GEOLOGICAL SURVEY
LAKE ERIE GEOLOGY GROUP

OPEN-FILE REPORT 95-252
SHEET 2 OF 2

ONTARIO

CANADA
UNITED STATES

CENTRAL BASIN

OHIO
PENNSYLVANIA

Conneaut

Ashtabula

Fairport Harbor

Moss Point

Cleveland

Avon Point

Dumping Ground

Dumping Grounds

Fig. 4

Fig. 6

MAP EXPLANATION

—5— **Bathymetric contour**-Interval 5 m. Where not marked with depth value, closed contour indicates a local high

Sediment composition from bottom sediment samples (modified from Hartley, 1961a)

- Shale bedrock
- Clay
- Gravel, sand, and mud
- Gravel and sand
- Sand
- Sand and mud
- Mud

Sidescan sonar backscatter interpretation

- Low backscatter, featureless
- Intermediate backscatter
- High backscatter
- High backscatter - ripple fields
- High backscatter - characteristic pattern of bedrock
- High backscatter - dumping grounds

Mercator projection
Latitude of true scale = 42° N
Coastline and bathymetry digitized from
National Oceanic and Atmospheric Adminstration
charts 14820, 14828, and 14829

SCALE 1:200 000

10 0 10 20 30 STATUTE MILES

10 0 10 20 30 40 50 KILOMETERS

BATHYMETRIC CONTOUR INTERVAL 5 METERS
INERNATIONAL GREAT LAKES DATUM OF 1955 (173.31 METERS)

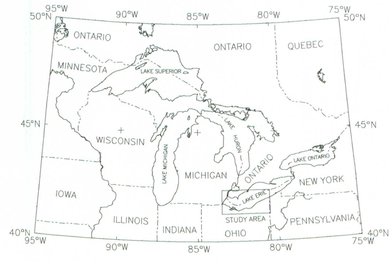

Figure 2

MAPS AND SIDESCAN SONAR IMAGES SHOWING INTERPRETATION OF ACOUSTIC BACKSCATTER OVERLAIN ON HISTORICALLY MAPPED BOTTOM SEDIMENTS OF THE OHIO PART OF LAKE ERIE

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1995

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