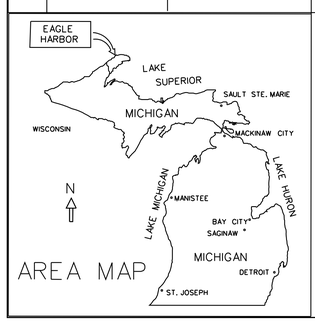
CONTROL POINTS

STA.	NORTHING	EASTING
EH-1	978210.36	25962758.79
EH-2	977204.76	25964345.78
EH-3	976912.20	25963926.66
EH-4	976826.48	25963048.09
EH-5	976402.77	25961877.66
EH-6	976495.29	25961078.36
EH-7	976378.12	25960180.30
EH-8	977505.05	25959491.63



CHANNEL LINE POINTS

STA.	COORDINATES	
	NORTHING	EASTING
PT.1	977644.639	25962213.70
PT.2	977405.829	25962342.51
PT.3	977646.415	25962397.46
PT.4	977492.728	25962529.57
PT.5	977939.233	25962643.29
PT.6	977777.635	25962768.76
PT.7	978091.807	25962963.54
PT.8	977911.383	25963049.50

NOTES

1) THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THAT TIME.

2) ALL SOUNDINGS ARE IN FEET AND ARE REFERENCED TO LOW WATER DATUM ELEVATION 601.1 ABOVE MEAN SEA LEVEL. I.G.L.D. 1985.

3) PROJECT DEPTHS FOR THIS AREA ARE 12'

4) THE GRID COORDINATE SYSTEM SHOWN IS REFERENCED TO THE MICHIGAN STATE PLANE COORDINATE SYSTEM. LAMBERT PROJECTION. NORTH ZONE (2111), NORTH AMERICAN DATUM 1983 (NAD 83). US FOOT.

5) THE LOCATION OF NAVIGATION BUOYS REPRESENTS THE GENERAL LOCATION ON THE DATE OF THE SURVEY AND CANNOT BE CONSIDERED FOR NAVIGATION.

6) THE SURVEY SHOWN WAS CONDUCTED BY R. LUNDGREN. PARTY CHIEF DURING 31 AUG. 2004. USING D.G.P.S. POSITIONING. AN INNERSPACE 448 SOUNDER. AND A HYPACK AUTOMATED HYDROGRAPHIC SURVEY SYSTEM.

7) THE BASE MAP FEATURES DEPICTED ON THIS MAP WERE DIGITIZED FROM EXISTING CHARTS AND MAY BE OUTDATED AND INACCURATE.

LEGEND

- HORIZONTAL CONTROL POINT
- DREDGING LIMIT TURNING POINT
- NO. CHANNEL LINE TURNING POINT
- NO. HARBOR LINE TURNING POINT
- HARBOR LINE
- CHANNEL LINE
- DREDGING LIMIT
- SHORELINE
- PROJECT DEPTH CONTOUR

COMBINED GRID SCALE FACTOR - 0.99996907
GRID DIST. DIVIDED BY COMBINED GRID SCALE FACTOR - GROUND DIST.

50 0 50 100 150
1" = 50'

NO.	DATE	REVISION	BY

U.S. ARMY ENGINEER DISTRICT, DETROIT
CORPS OF ENGINEERS
DETROIT, MICHIGAN

DESIGNED BY:*
DRAWN BY:*
CHECKED BY:*
REVIEWED BY:*
SUBMITTED BY:*
CHIEF, PROJ. OPNS. SEC.
APPROVED:*
CHIEF, CONST.-OPNS. DIVN.
(* AS REQUIRED BY ENGINEERING CIRCULAR 1110-1-76)

APPROVAL RECOMMENDED:*
CHIEF, OTS BRANCH
DATE

EAGLE HARBOR
MICHIGAN

CONDITION SURVEY-AUGUST 2004

DULUTH AREA OFFICE DULUTH, MN

SCALE AS SHOWN 1" = 50'
CADD FILE NAME: eagleC04.DGN
DRAWING NUMBER
SHEET 1 OF 1

EAGLE 7570/35