US Army Corps
of Engineers®

Detroit District
P.O. Box 1027
Detroit, MI 48231-1027
(313) 226-6796
FAX - (313) 226-3519

Notice to Navigation Interests

Notice No. L01-63 Date: 6 SEPTEMBER 2001

Waterway: LAKE HURON Location: MICHIGAN

CELRE-ET-OT-T

CONDITION OF FEDERAL NAVIGATION CHANNEL
CASEVILLE HARBOR

1. Condition surveys performed within the Federal navigation channel at Caseville Harbor, Michigan during June 2001, indicate shoaling as shown on the back of this sheet.

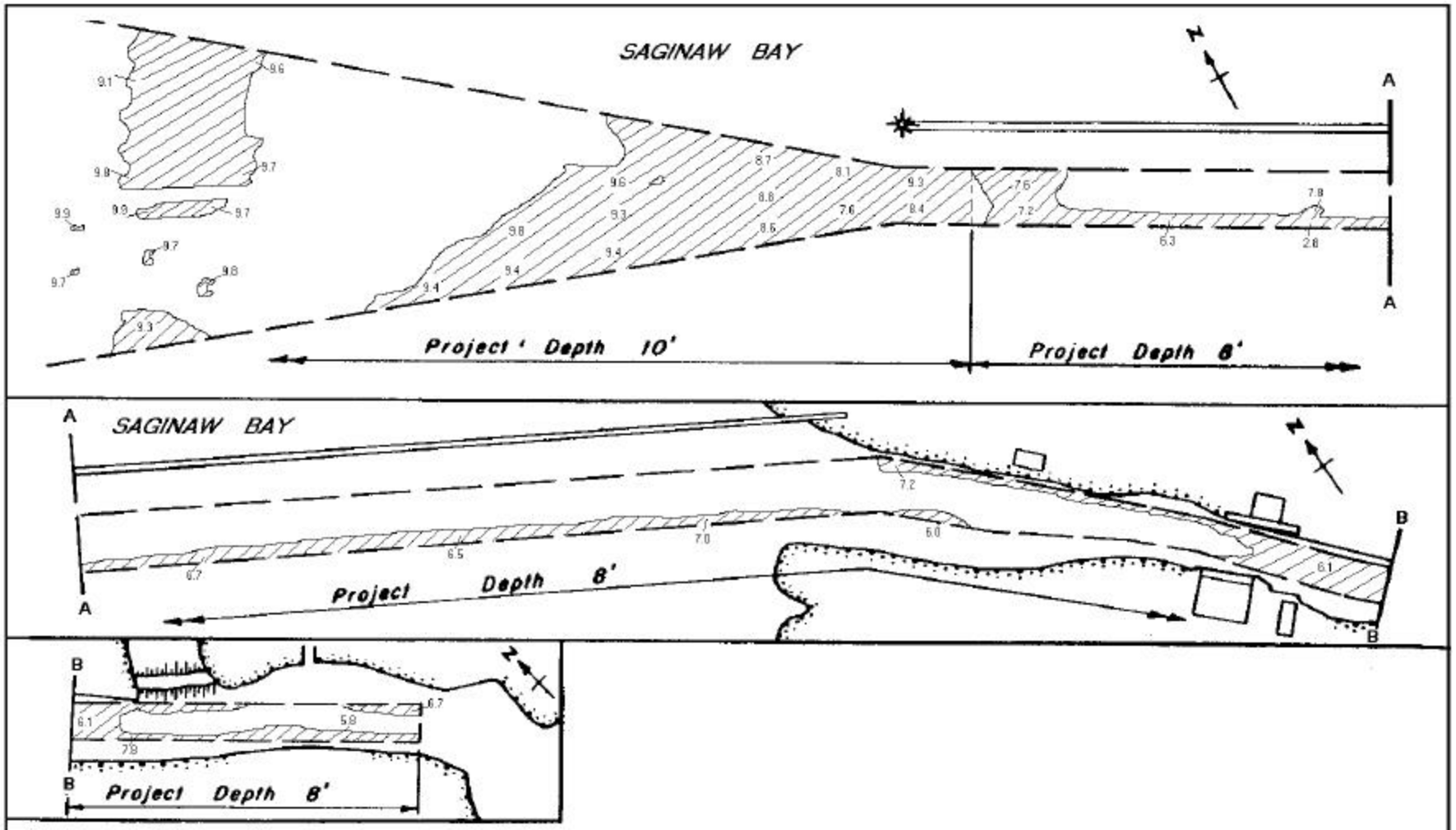
2. Mariners are urged to use extreme caution in the area.

3. All inquiries should be addressed to CELRE-ET-OT-T and should refer to Notice to Navigation Interests No. L01-63. Internet address: http://huron.lre.usace.army.mil/OandM/o&m.html

RICHARD J. POLO, JR.
Lieutenant Colonel, U.S. Army
District Engineer

Notice to the Postmaster:

It is requested that the above notice be conspicuously and continuously posted until November 30, 2001.



The information depicted on this map represents the results of surveys made on the date indicated and can only be considered as indicating the general conditions existing at that time.

Surveys taken: JUNE 2001

0casevil.bmp

Shoals indicate least available depth below I.G.L.D.

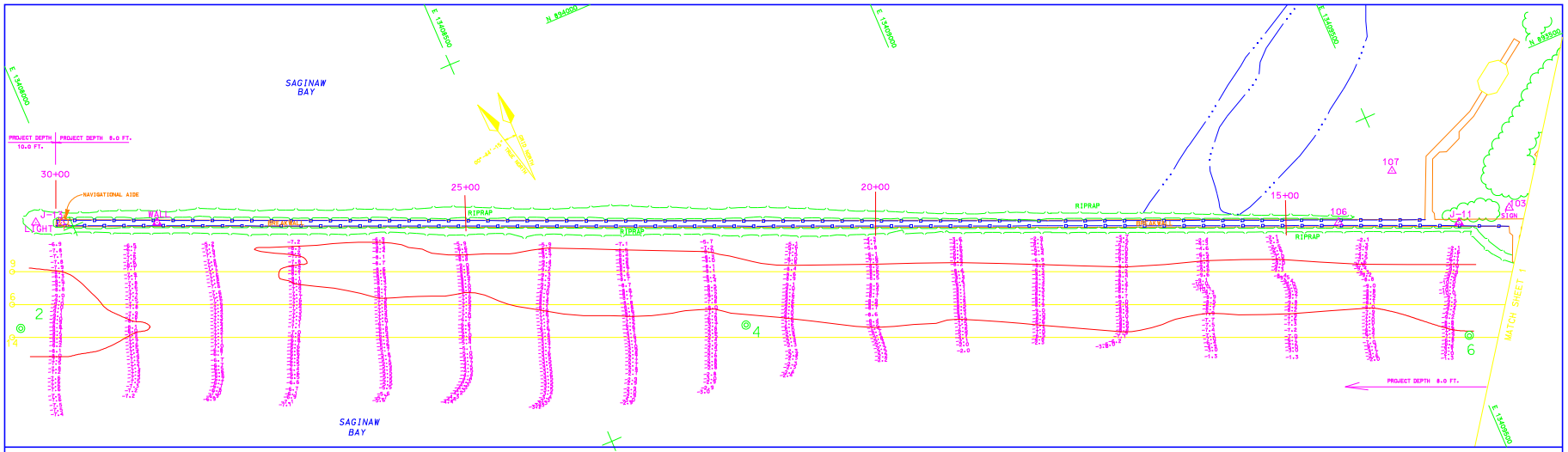
All depths and soundings are referred to Low Warer Datum elevation 577.5 ft. above Mean Water Level at Rimouski, Quebec, 1985.

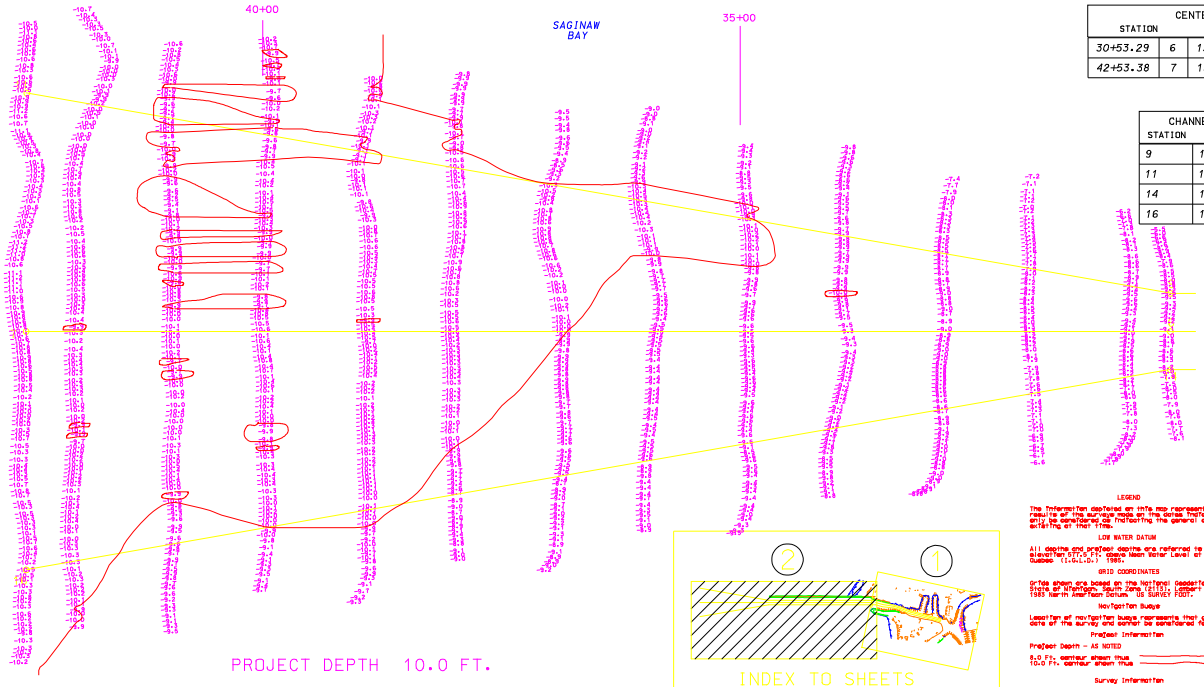
CASEVILLE HARBOR, MICHIGAN

CONDITION OF CHANNEL

ISSUED: 6 SEPTEMBER 2001

U.S. Army Engineer District, Detroit





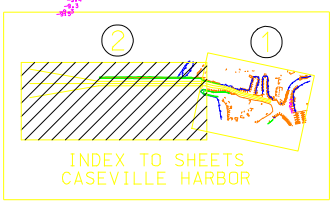
CENTERLINE TURNING POINTS			
STATION		EAST	NORTH
30+53.29	6	13,407,893.80	893,941.70
42+53.38	7	13,406,791.00	894,415.04

CHANNEL LINE TURNING POINTS		
STATION	EAST	NORTH
9	13,407,909.58	893,978.45
11	13,406,889.61	894,644.80
14	13,407,878.02	893,904.93
16	13,406,692.37	894,185.28

CONTROL POINTS (CORPSCON)		
STATION	EAST	NORTH
J-13	13,407,988.50	894,009.89
103	13,409,618.25	893,330.10
106	13,409,419.72	893,395.58
107	13,409,504.37	893,427.75
LIGHT	13,407,959.78	894,022.22

CONTROL POINTS (G.P.S.)		
STATION	EAST	NORTH
J-11	13,409,554.73	893,337.63

NAVIGATIONAL AIDES		
STATION	EAST	NORTH
NO. 1	13,407,991.8	894,009.3



LEGEND

The information depicted on this map represents the results of the survey made on the dates indicated and can only be considered as indicating the general conditions existing at that time.

LOW WATER DATUM

All depths and project depths are referred to Low Water Datum elevation 577.5 (I.G.L.D.) 1985 mean water level at Fathom Fairbanks Gauge (I.G.L.D.) 1985.

GRID COORDINATES

Grids shown are based on the National Geodetic Survey Projection Tables, State of Michigan, South Zone (2113), Lambert Projection, 1983 North American Datum, US SURVEY FOOT.

Navigation Buoys

Location of navigation buoys represents their general location on the date of the survey and should be considered for navigation.

Project Information

Project Depth – AS NOTED

8.0 Ft. contour shown thus
10.0 Ft. contour shown thus

Survey Information

Survey by: Dan Henry
Date of survey: 25 June, 2001

Position system: Starlink DGPS vfd Coast Guard System
Sonic sounder: Innerspace 448
Transducer: 208 KHz with 3.0 degree beam angle

NO.	DATE	REVISION	BY

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

CASEVILLE HARBOR, MI.

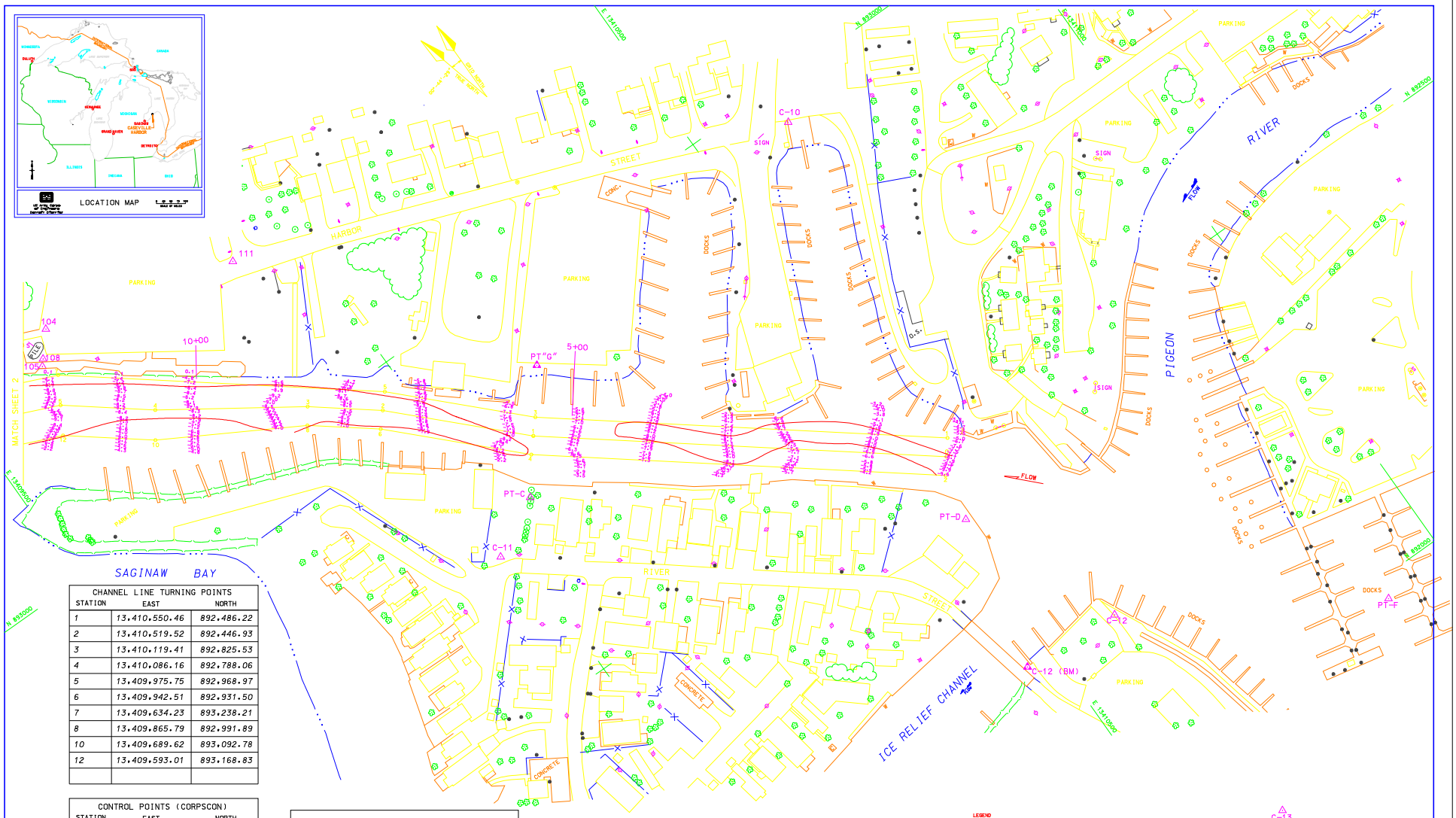
CONDITION JUNE, 2001

SAGINAW FIELD OFFICE

DESIGNED BY:
DRAWN BY: R. DELESTOWICZ
CHECKED BY:
REVIEWED BY:
SUBMITTED BY:
CHIEF, PROJ OPNS SEC
APPROVED:
CHIEF, CONSTRUCTION-OPERATIONS DIVISION

APPROVAL RECOMMENDED:
CHIEF, OPERATIONS & MAINTENANCE BR
DATE

SCALE: 1 INCH = 50 FT.
CADD FILE NAME
DRAWING NUMBER
SHEET 2 OF 2



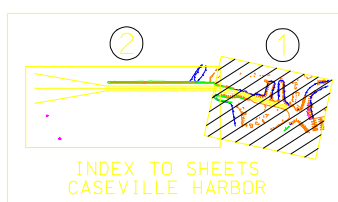
CHANNEL LINE TURNING POINTS		
STATION	EAST	NORTH
1	13,410,550.46	892,486.22
2	13,410,519.52	892,446.93
3	13,410,119.41	892,825.53
4	13,410,086.16	892,788.06
5	13,409,975.75	892,968.97
6	13,409,942.51	892,931.50
7	13,409,634.23	893,238.21
8	13,409,865.79	892,991.89
10	13,409,689.62	893,092.78
12	13,409,593.01	893,168.83

CONTROL POINTS (CORPSCON)		
STATION	EAST	NORTH
C-10	13,410,620.50	892,951.05
C-11	13,409,974.35	892,700.76
C-12	13,410,595.66	892,165.78
C-13	13,410,627.44	891,824.51
PT-C	13,410,052.03	892,742.38
PT-D	13,410,507.77	892,383.63
PT-F	13,410,905.21	891,972.67
104	13,409,656.21	893,297.55
105	13,409,623.66	893,259.59
108	13,409,630.17	893,267.18
111	13,409,911.02	893,227.13
BEADLE	13,409,614.68	892,233.07

CENTERLINE TURNING POINTS			
STATION		EAST	NORTH
0+00	0	13,410,534.98	892,466.57
5+50.04	1	13,410,102.79	892,806.79
7+53.06	2	13,409,959.13	892,950.23
8+53.07	3	13,409,880.54	893,012.10
10+55.72	4	13,409,712.64	893,125.56
11+81.74	5	13,409,613.62	893,203.51

CONTROL POINTS (G.P.S.)		
STATION	EAST	NORTH
C-12 (BM)	13,410,595.66	892,165.78
PT "G"	13,410,160.91	892,880.69

BEADLE



LEGEND

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LOW WATER DATUM

All depths and project depths are referred to Low Water Datum elevation 577.5 Ft. above Mean Water Level at Father Point, Quebec (I.G.L.D.) 1985.

GRID COORDINATES

Grids shown are based on the National Geodetic Survey Projection Tables, State of Michigan, South Zone (2113), Lambert Projection, 1983 North American Datum US SURVEY FOOT.

Navigation Buoys

Location of navigation buoys represents that general location on the date of the survey and cannot be considered for navigation.

Project Information

Project Depth - 8.0 Ft.

8.0 Ft. contour shown thus

Survey Information

Survey by	Dan Henry
Date of survey	26 JUNE, 2001
Position system	Starlink DGPS via Coast Guard System
Sonic sounder	Innerspace 448
Transducer	208 KHz with 3.0 degree beam angle

NO.	DATE	REVISION	BY

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

CASEVILLE HARBOR, MI

CONDITION JUNE, 2001

SAGINAW FIELD OFFICE

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CADD FILE NAME
DRAWING NUMBER
SHEET 1 OF 2

n