US Army Corps
of Engineers
Buffalo District

27.0' Contour

28.0' Contour

DREDGING

SOUTH   BREAKWATER

23.0' Contour

LAKE ERIE

STONY   POINT   BREAKWATER

BKW.

30.0' Contour

NAPANOCH   ARM

SOUTH ENTRANCE CHANNEL, OUTER AREA

SOUTH

29.0' Contour

NOTES:

N

SITE SPECIFIC NOTES:
PROJECT DEPTHS AND SOUNDINGS ARE
REFERRED TO LOW WATER DATUM OF 569.2
FEET. HORIZONTAL CONTROL IS REFERRED
TO NEW YORK WEST ZONE.

PROJECT DEPTHS:
23.0 FEET AND 27.0 WHERE DESIGNATED
28.0 FEET - STA. 161+41 TO STA. 198+14
29.0 FEET - SOUTH ENTRANCE, INNER AREA
30.0 FEET - SOUTH ENTRANCE, OUTER AREA

THE FILES USED IN THE PREPARATION OF
THIS DRAWING ARE ON DISK: HARBOR 2008
FILES: BFH08PCVH1013-3.DGN
BFH08PCV-HP.DGN

SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT
ARMY CORPS OF ENGINEERS BY
D. WITMER AND PARTY ON AUGUST 14, 2008
THROUGH OCTOBER 10, 2008. USING
GPS POSITIONING, POS-MV VER. 3 AND ASHTECH BR2G
BEACON USED: YOUNGSTOWN
SONAR HEAD: 240 KHZ, SEABATT 8101 MULTIBEAM
1.5 DEGREE BEAMS 210 DEGREE ARC
HEAVE PITCH AND ROLL; APPLANIX POS-MV VER. 3
VELOCITY PROFILER; INNERSPACE 448.
SOFTWARE USED: HYPACK SURVEY AND TRITON ISIS
SURVEY LAUNCH CROTTY

SOUNDING COLOR LEGEND	
DEPTHS 0.1' OR MORE ABOVE PROJECT DEPTH	
DEPTHS AT OR BELOW PROJECT DEPTH	

Drawn by:
Checked by:
Reviewed by:

CADD

Chief, Survey Unit

Approved:

Chief, NY/PA Navigation and Maintenance Section

Dates:

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
BUFFALO, NEW YORK 14207-3199

BUFFALO HARBOR, N.Y.
SOUTHERLY SECTION - OUTER HARBOR
PROJECT CONDITION SOUNDINGS 2008

SCALE: 1" = 200'

SCALE OF FEET
50.0   100   200

Sheet
reference
number:

VH - 103

Sheet 3 of 3

08S-BFH-1/3

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