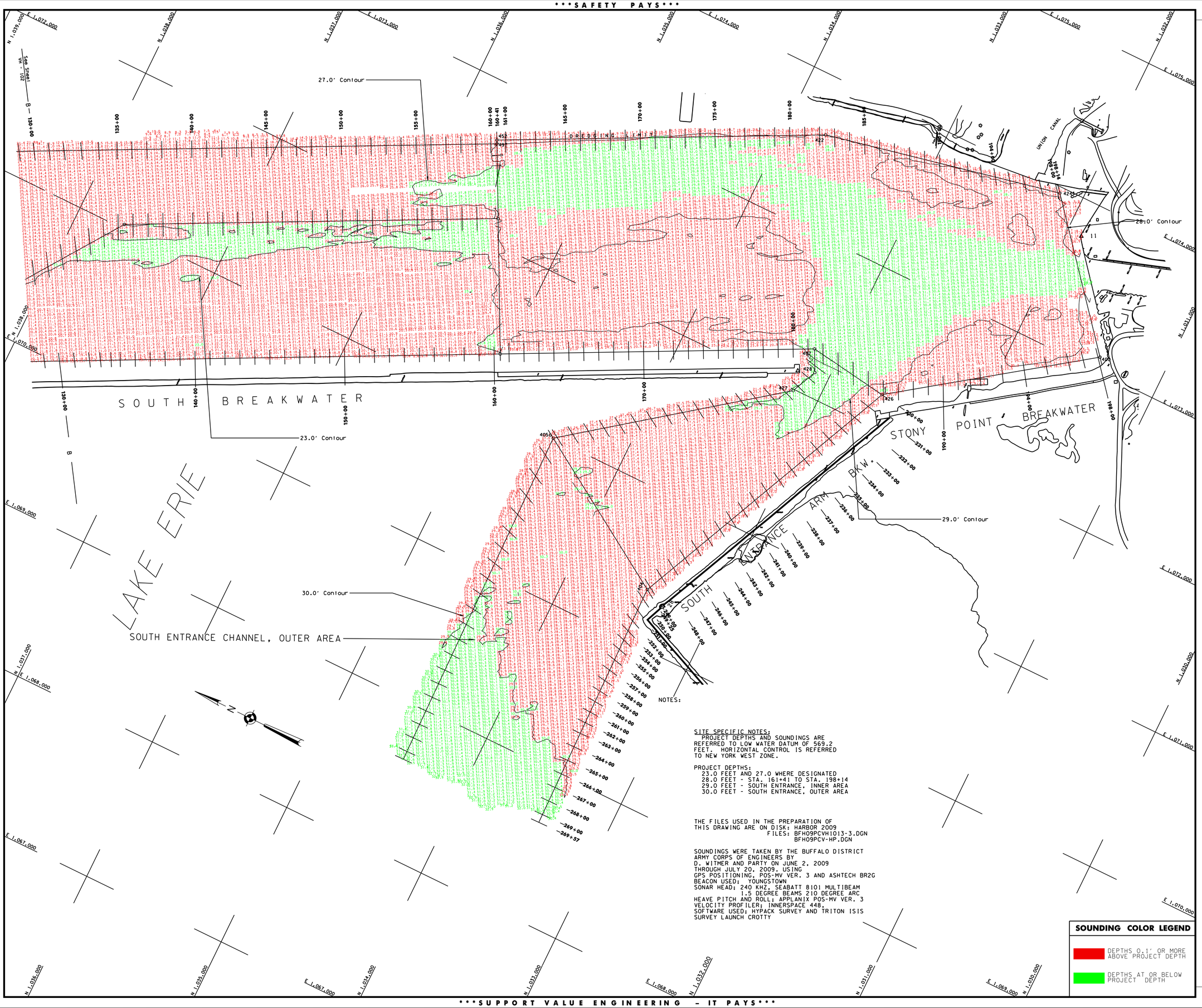

NOTES:

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 2009
FILES: BFH09PCVH1013-3.DGN
BFH09PCV-HP.DGN

SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. WITMER AND PARTY ON JUNE 2, 2009 THROUGH JULY 20, 2009. 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

US Army Corps of Engineers
Buffalo District

General Notes
The information depicted on the map represents the results of surveys made on the date indicated and can only be considered as indicating the general condition at that time. Unless otherwise noted on this map, all depths and soundings are in feet and referred to the International Great Lakes Datum 1985 (IGLD 1985) and all horizontal positions are referred to North American Datum 1983 (NAD83). See the Site Specific Notes area for appropriate datums. To view a color version of this map, point a web browser to http://www.lrb.usace.army.mil/waterways/surveys/hhs.
This drawing was prepared using a CADD system. Scaling may be distorted.

Drawn by: CADD
Checked by:
Reviewed by:
Chief, Survey Unit
Date:
Approved:
Chief, NY/PA Navigation and Maintenance Section

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

BUFFALO HARBOR, N.Y.
SOUTHERLY SECTION - OUTER HARBOR
PROJECT CONDITION SOUNDINGS 2009
SCALE: 1" = 200'
SCALE OF FEET
0 100 200
SD 10

Sheet reference number:
VH - 103

Sheet **3** of **3**

09S-BFH-1/3

bfh09PCVH1013-3.dgn 10/14/2009 8:32:07 AM