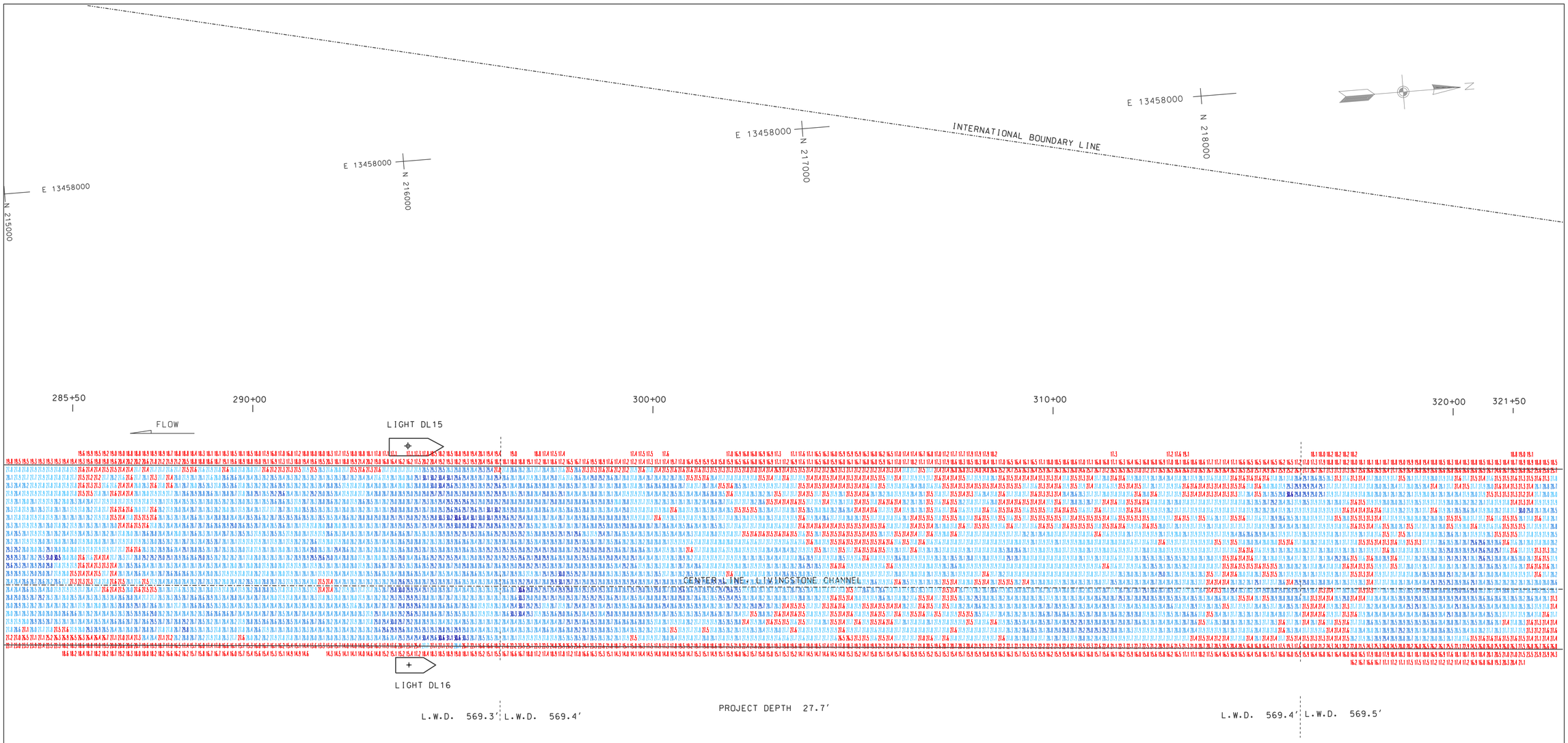
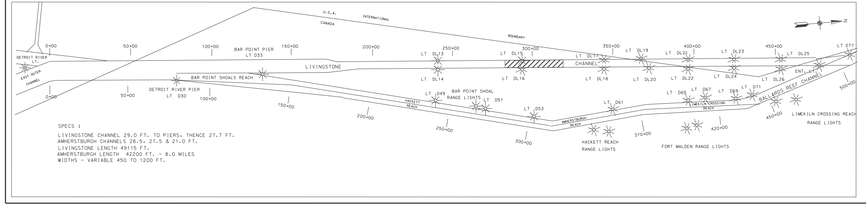


LEGEND

- 0.0'
- 27.7'
- 28.0'
- 28.5'
- 29.0'
- 29.5'
- 30.0'
- 30.5'
- 50.0'



NOTES

1. THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH FOUND IN THE 20 FOOT BY 20 FOOT AREA CENTERED AROUND THE TEXT. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.
2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM ZERO IS AS SHOWN. READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT LIGHT DL 16. DEPTHS ARE MEASURED USING AN R2SONIC 2024 MULTIBEAM SONAR.
3. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON JUNE 20. 2016 CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.
4. HORIZONTAL POSITIONING IS DETERMINED USING THE DIFFERENTIAL GLOBAL POSITIONING SYSTEM (DGPS). THE DIFFERENTIAL CORRECTIONS ARE PROVIDED BY U.S. COAST GUARD DIFFERENTIAL BROADCAST STATIONS. SIGNAL STRENGTH IS USED AS THE DETERMINING FACTOR IN DIFFERENTIAL SELECTION. THE DGPS RECEIVER IS MANUFACTURED BY APPLANIX MARINE MODEL POS/MV VER 4.0
5. GRID COORDINATES ARE BASED ON THE MICHIGA STATE PLANE COORDINATE SYSTEM. LAMBERT PROJECTION. MICHIGAN SOUTH ZONE (2113). NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.
6. UNLESS OTHERWISE NOTED PROJECT DEPTH IS 27.7' BELOW LOW WATER DATUM.

US ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

UNITED STATES ARMY CORPS OF ENGINEERS
DETROIT AREA OFFICE, DETROIT, MICHIGAN

CONDITION SURVEY
DETROIT RIVER, MICHIGAN

LIVINGSTONE CHANNEL
CS 285+50 TO CS 321+50

SURVEYED BY: D.E.H.
CHECKED BY: C.V.L.

DATE OF SURVEY: 20 JUNE 2016

100' 0' 100' 200'
SCALE 1" = 100'

SHEET 9 OF 14