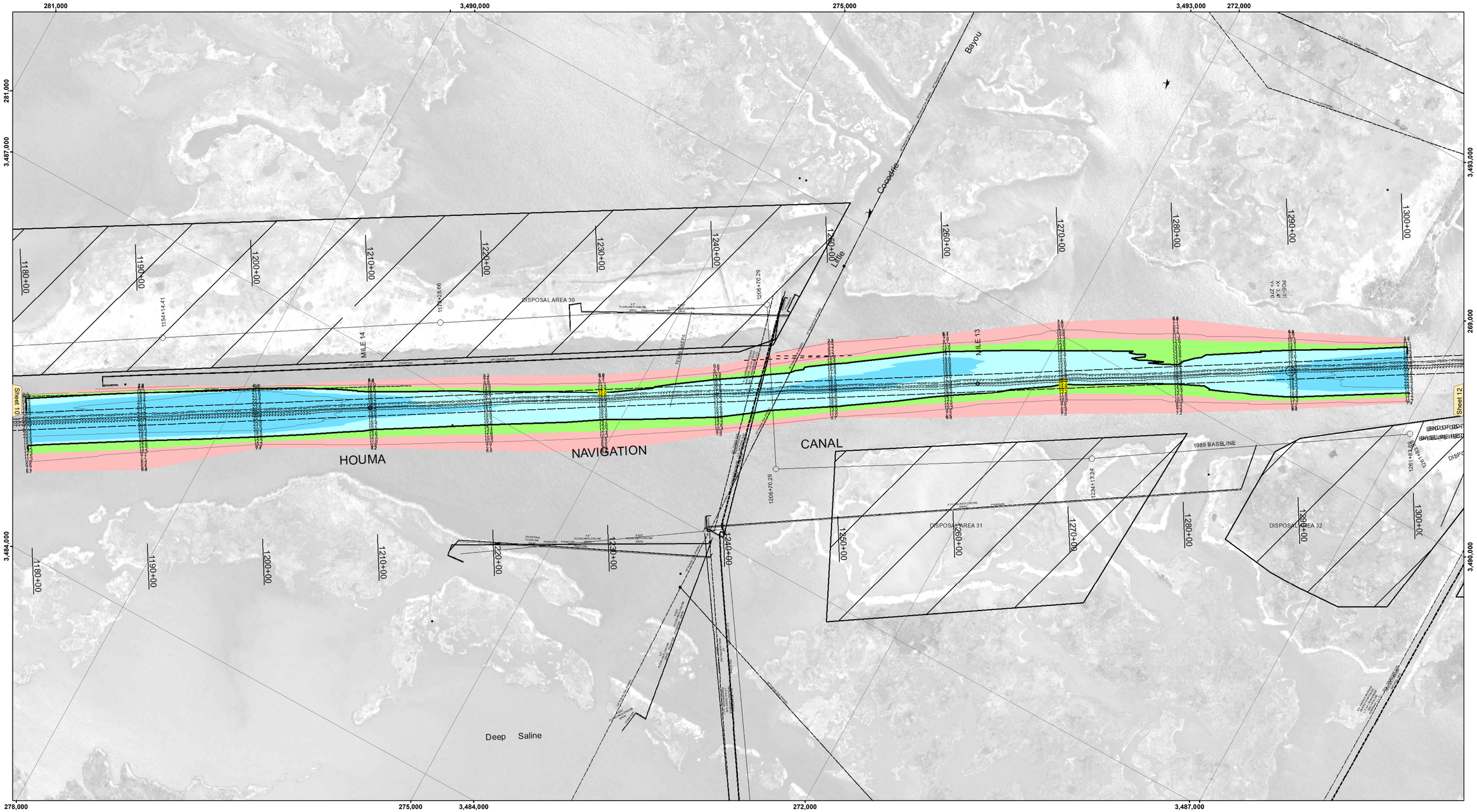

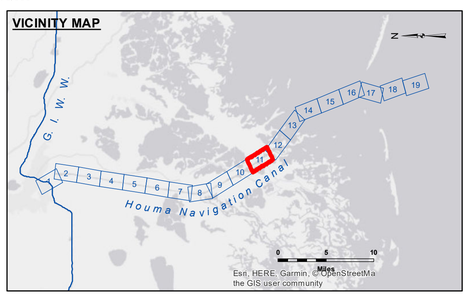

LEGEND

- Federal Navigation Channel
- Federal Navigation Center Line
- As-built Pipeline/Cable
- Unconfirmed Pipeline/Cable
- Project Depth Contour
- Cable Area
- Placement Area
- Anchorage Area
- Obstruction Point
- Wrecks-Submerged
- Borrow Area
- Shoalest Sounding**
- Beacon, General
- Red Navigation Buoy
- Green Navigation Buoy
- -12' and above
- -12' to -15'
- -15' to -18'
- -18' and below

Gage Reading:	COCODRIE: 2.94 MLG AVG.
Sea Conditions:	CALM
Vessel Name:	OB-169
Survey Type:	CONDITION
Sounding Frequency***:	LOW

Feet
0 400 800 1,200 1,600 2,000

NOTES:
Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Louisiana South Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Soundings are shown in feet and indicate depths below Mean Low Gulf Datum (MLG).
Datum Relationships for 76305 as of August 2014:
0.0' NAVD88 (OPUS 2010) = 0.42' MLLW (2007-2011) = 1.34' MLG

Distances on the Houma Nav. Canal are shown at 1 mile intervals.

The location of navigation aids are base on and provided by the U.S. Coast Guard and USACE survey crews.

2015 Aerial Photography data source: NAIP

Reference is N.O.A.A. Navigation Chart No. 11355.

** Shoalest Sounding per Quarter per Reach.

*** High frequency (200 kHz) survey data represents the first signal return at a sounding location and will include suspended solids, known as "fluff", if present. Low frequency (20 kHz) survey data normally penetrates through this "fluff" layer to depict elevations of consolidated bottom material. Low frequency accuracies may vary depending on channel conditions and fathometer settings.

US Army Corps of Engineers
District: CEMVN

DISCLAIMER
Access Constraints: The United States Government furnishes this data and information on an "as is" basis. The User assumes all risk in accessing and understanding that the US Government makes no warranties, express or implied, concerning the accuracy, completeness, reliability, usefulness, or suitability of this data and information and the data furnished. The United States shall be held harmless from any liability resulting from errors in the data made thereof. These data belong to the Government. Therefore the recipient fully agrees not to represent these data to anyone as other than government data. The recipient also agrees to place this notice on these data to others without also transferring this Disclaimer.

The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general condition existing at that time.

Distribution Liability: The data represents the results of data acquisition and processing conducted by the U.S. Corps of Engineers activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy of the data and information furnished. The User assumes all risk of any of the application of the data for other than its intended purpose.

Data Constraints: Hydrographic survey data is subject to change through natural and man-induced forces such as storms, navigation activity and natural shoaling and scouring processes. The U. S. Corps of Engineers does not warrant the accuracy of the data shown in the hydrographical conditions which develop after the date of publication. This data is intended for U. S. Army Corps of Engineers' internal use. Private businesses based on this data do so at their own risk.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

Submitted:

Recommended:
Chief, Survey Section

Approved:
Chief, Waterways Maintenance Section

Surveyed By: PM,SPS
Plotted By: BD
Checked By: AO

HOUMA NAVIGATION CANAL
LOWER CHANNEL
HN_11_LWR_20190718_CS_POSTSTORM
18 July 2019

Sheet Reference Number
11 of 19

Revison Number:
3.12-20160811