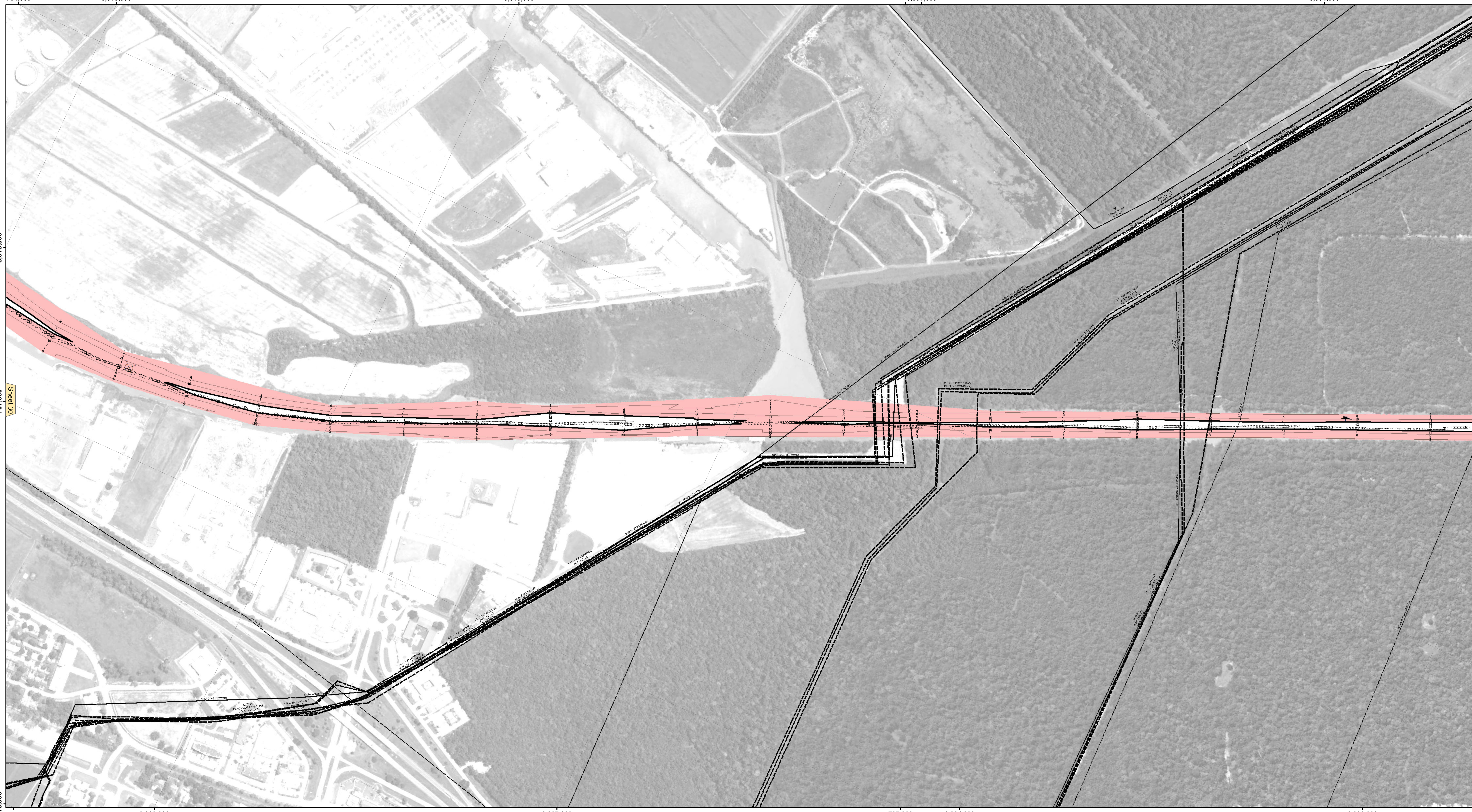

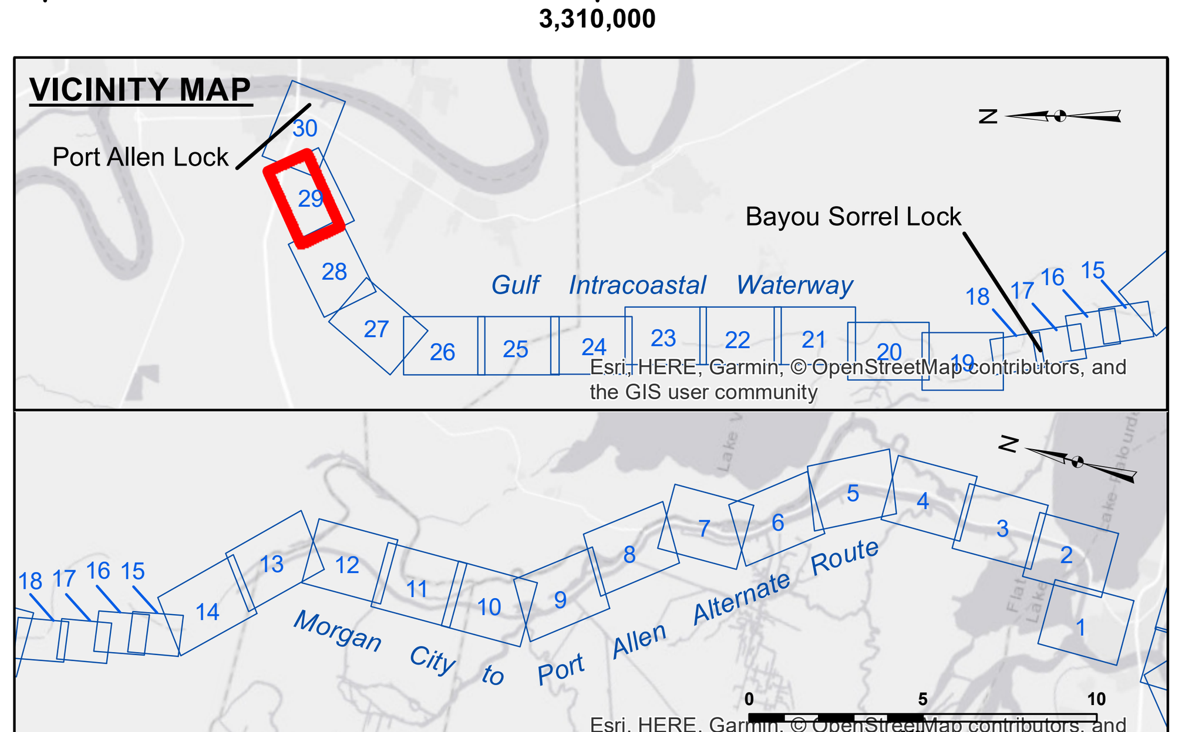

LEGEND

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

Gage Reading:	PORT ALLEN: 3.8 MLG
Sea Conditions:	CALM
Vessel Name:	M/V OB 189
Survey Type:	CONDITION
Sounding Frequency***:	HIGH

Feet
0 500 1,000 1,500 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).

Distances on the G.I.W.W. 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. 11354.

** 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 consoldiated bottom material. Low frequency accuracies may vary depending on channel conditions and fathometer settings.

US Army Corps of Engineers
District: CEMVN

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Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging activity and natural shoaling and scouring processes. The U. S. Army Corps of Engineers accepts no responsibility for changes in the hydrographical conditions which develop after the date of publication. This data is intended for U. S. Army Corps of Engineers' internal use. Prudent mariners should not rely solely upon it.

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.

U.S. ARMY COPRPS OF ENGINEERS
NEW ORLEANS DISTRICT

Submitted:	Surveyed By: RYLAND/ADAMS
Recommended: Chief, Survey Section	Plotted By: AO
Approved: Chief, Waterways Maintenance Section	Checked By: AO

GULF INTRACOASTAL WATERWAY
MORGAN CITY TO PORT ALLEN ROUTE
MP_29_S2P_20180928_CS
28 September 2018

Sheet Reference Number
29 **of** 30

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