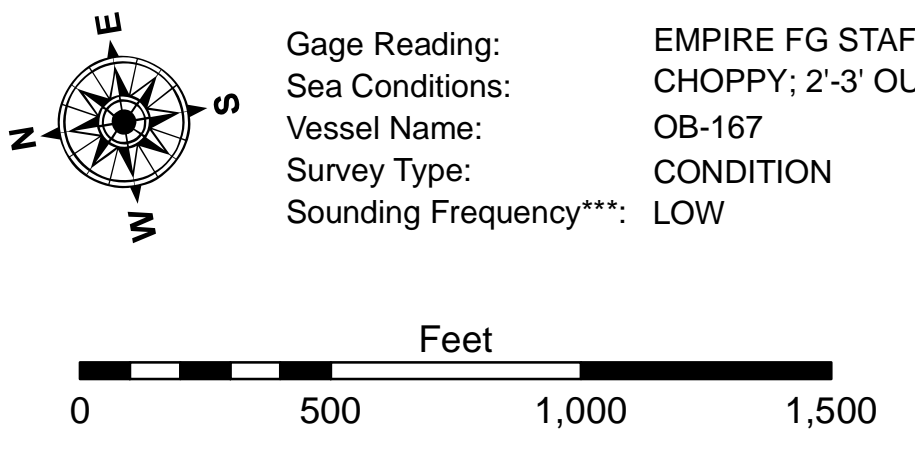


LEGEND

--- Federal Navigation Channel	○ Cable Area	□ Borrow Area
— Federal Navigation Center Line	■ Placement Area	● Shoalest Sounding**
— As-built Pipeline/Cable	□ Anchorage Area	☆ Beacon, General
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy
		■ -9' and above
		□ -9' and below



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).

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

2010 Aerial Photography data source: NAIP. 1998 DOQQ imagery shown in green from USGS.

Reference is N.O.A. Navigation Chart No. 11358 and 11364.

** 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.



DISCLAIMER:

The information depicted on this map represents the results of a survey conducted by the U.S. Army Corps of Engineers. The data is subject to change without notice and is not to be used for any purpose other than that for which it was prepared. The user is responsible for the accuracy, completeness, and reliability of the data for any particular purpose of the user. The U.S. Army Corps of Engineers does not assume any liability for damages, injury, or loss of property resulting from the use of this data. The user is advised to consult the appropriate technical manual for the equipment used in the survey and to verify the data for accuracy and reliability before use.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

Submitted:	Surveyed By: SP,PM
Recommended: Chief, Survey Section	Plotted By: AJO
Approved: Chief, Waterways Maintenance Section	Checked By: JIB

EMPIRE WATERWAY
EMPIRE BAY
EM_04_BAY_20150226
26 February 2015

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