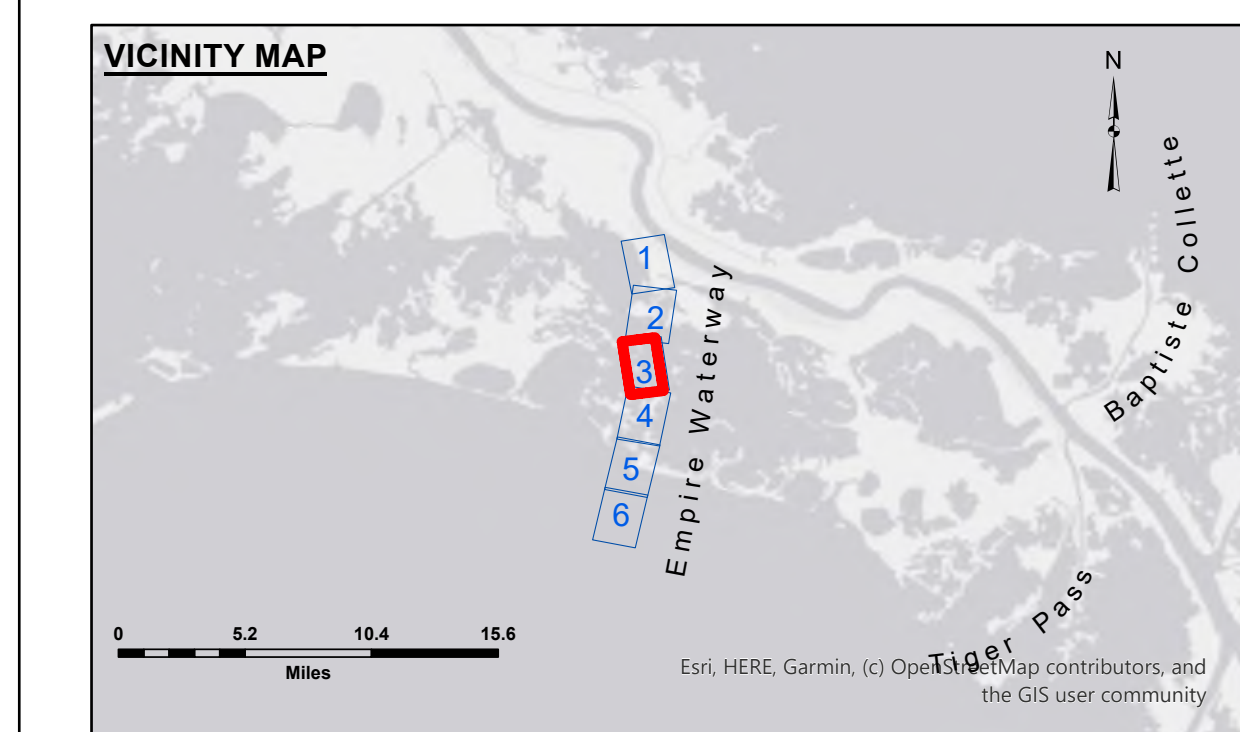





 Gage Reading: EMPIRE FG SC
 Sea Conditions: CALM
 Vessel Name: DUCARPE
 Survey Type: CS
 Sounding Frequency***: 24KHZ

Feet
 0 500 1,000 1,500

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.

VD88 Datum:
Soundings are shown in feet and indicate depths below North American Vertical Datum of 1988 (NAV88).

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

2019 Aerial Photography data source: NAIP. 1998 DOQQ imagery shown in green from USGS.

Reference is N.O.A.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 (2) survey data normally penetrates through this "fluff" layer to depict elevations of consolidated material. Low frequency accuracies may vary depending on channel conditions and bathymetry settings.

DISCLAIMER The United States Government furnishes this information as it appears without making any warranty, express or implied, that the data are correct, reliable, or accurate. It is only valid for its intended use, consistent, time and source of any of the application of the data for other than its intended purpose.

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Distribution/Processing: The data represents the results of data collection for a specific US Army Corps of Engineers project. The data is not to be used for any other purpose than the one for which it was collected. The data is only valid for its intended use, consistent, time and source of any of the application of the data for other than its intended purpose.

Data Constraints: Hydrographic survey data is subject to change over time due to changes in the physical characteristics of the activity and natural shoaling and scouring processes. The U.S. Army Corps of Engineers assumes no responsibility for changes in the data. The data is not to be used for any other purpose than the one for which it was collected. The data is only valid for its intended use, consistent, time and source of any of the application of the data for other than its intended purpose.

Information Depicted on the Map: The information depicted on the map represents the results of a survey conducted by the U.S. Army Corps of Engineers. The information is not to be used for any other purpose than the one for which it was collected. The data is only valid for its intended use, consistent, time and source of any of the application of the data for other than its intended purpose.

EMPIRE WATERWAY
EMPIRE BAY
EM_03_BAY_20250807_CS
07 August 2025

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