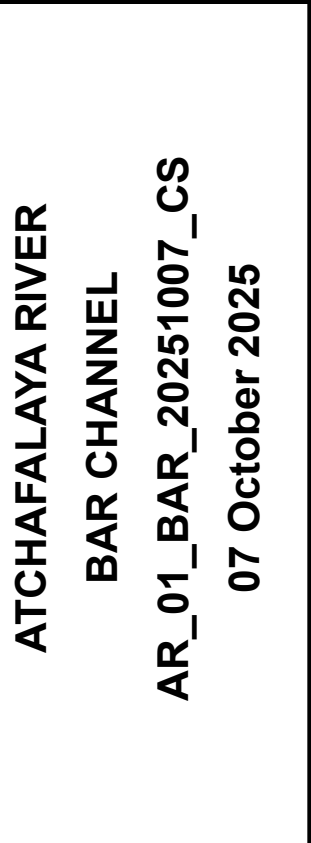
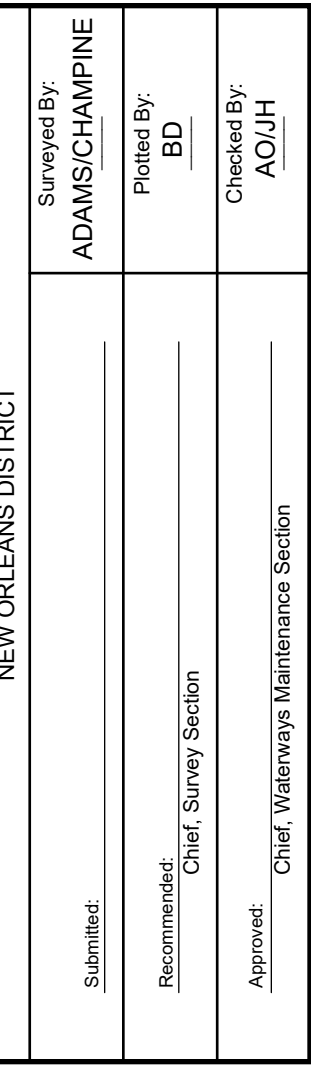
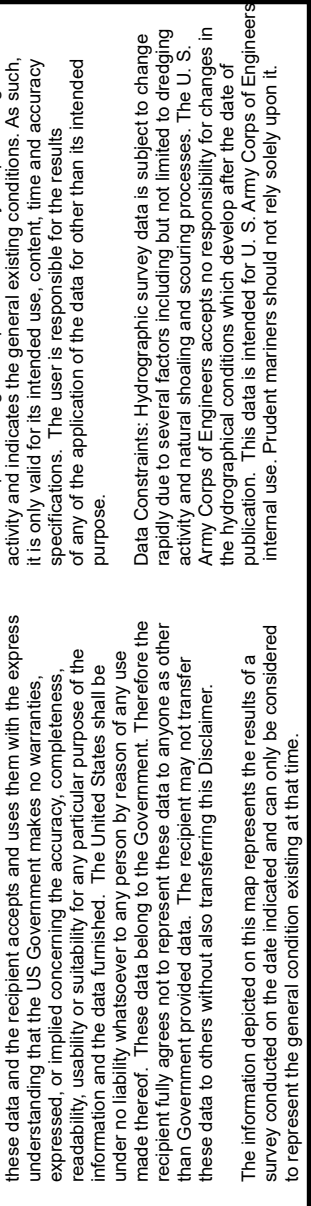





 Gage Reading: EUGENE ISLAND: 1.76 MLG AVG.
 Sea Conditions: CALM
 Vessel Name: DUCARPE
 Survey Type: CS
 Sounding Frequency***: LOW

NOTES:
 Horizontal Coordinate System:
 North American Datum of 1983 (NAD83), projected to the State Plane
 Coordinate System (SPCS), Louisiana South Zone. Distances units in U.S. Survey Feet.
 Vertical Datum:
 Soundings are shown in feet and indicate depths below Mean Low High Datum (MLG).
 Distance Relations for the range 80000 feet of August 2013:
 0.0 NAVD83 = 0.0 MLW + 1.5 MLG
 Distances on the Atchafalaya River are shown at 1 mile intervals.
 The location of navigation aids are based on and provided by the U.S. Coast Guard.
 1998 Aerial Photography data source: P.A.R. LLC, (1998 DOQQ imagery in green).
 Reference is N.O.A. Navigation Chart No. 11354.
 * Difference between high and low frequency elevations where greater than 1.0'.
 ** Shallowest Soundings per Quarter per Reach.
 *** High frequency (200 kHz) sound data represents the first signal return at a sounding
 location and will include suspended solids, known as "fluff". Present. Low frequency (20 kHz)
 soundings normally penetrate through the "fluff" layer to depict elevations of consolidated bot-
 tom material. Low frequency accuracies may vary depending on channel conditions and bathymeter