CORPS OF ENGINEERS U.S. ARMY 90°16'W 38°30'N US Army Corps of Engineers District: CEMVS 2.0 1.9 3.0 4.5 7.0 3.7 4.1 6.0 8.4 6.7 8.5 14.8 16.3 18.7 15.3 15.9 18.9 18.6 16.7 17.6 19.6 21.4 170 18.0 17.4 17.6 15.8 13-8 14-3 18.8 19.9 19.7 19.8 19.2 16.6 18.1 18.8 18.1 16.5 16.4 19.6 21.8 23.2 21.0 20.1 20.2 20.5 20.8 22.1 22.5 20.9 22.3 19.5 19.4 20.1 20.2 20.3 19.3 19.0 20.0 21.2 23.0 21.2 21.1 20.4 21.5 21.6 12.1 20.4 20.8 22.0 20.7 20.6 20.7 19.9 18.2 20.8 19.7 17.9 12.1 19.3 16.6 19.2 16.9 16.1 Survey Information
NORY_LANDING_UPPER_MISSISSIPPI
UM_SL_ILC_20230705_BD_1
05 July 2023 =N:River-Rd= Rd Rd VICINITY MAP Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the
State Plane Coordinate System (SPCS), Missouri East Zone.
Distance units in U.S. Survey Feet. Aids to Navigation **LAYERS** St. Louis St. Louis River Mile Training Structure Green ▲ Green Buoy Revetment Vertical Datum: Sailing Line Soundings are shown in feet and indicate depths below the 2014 Low Water Reference Plane. Red Buoy Reach 9' below LWRP2014 Surface 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. 12' below LWRP2014 Surface Number 14' below LWRP2014 Surface 21 of 44 Depths shown are below LWRP2014 Surface The location of navigation aids are based on and provided by the U.S. Coast Guard.

CORPS OF ENGINEERS U.S. ARMY 38°31'N US Army Corps of Engineers District: CEMVS 2.0 1.9 2.8 4.4 7.3 6.2 23.2 19.8 6.9 6.3 6.1 7.2 7.9 3.7 4.1 3.9 5.2 6.3 8.0 16.6 5.3 15.3 28.5 29.5 22.7 11.5 17.6 5.5 7.2 8.9 12.9 7.6 18.5 16.3 7.0 8.3 5.9 18.8 19.3 17.3 14.6 15.9 7.2 14.8 15.7 16.2 16.9 7.5 6.4 6.9 6.5 7.3 8.0 14.3 16.7 16.6 15.8 15.9 14.9 16.2 15.3 18.6 16.7 17.7 19.6 21.4 23.2 16.4 19.2 19.1 17.0 15.0 16.1 19.5 19.6 19.3 21.1 21.8 21.7 22.5 16.1 14.5 15.3 17.2 17.4 14.9 15.1 15.8 19.9 21.2 17.8 18.3 19.2 17.9 17.5 18.1 15.2 15.5 10.5 20.1 20.2 20.7 15.2 15.6 17.0 21.3 21.2 -11.6 16.9 18.8 16.0 12.8 16.0 17.2 16.8 20.2 22.3 22.2 20.7 20.8 20.9 21.0 21.1 20.4 21.5 21.6 1211 14.1 15.2 19.2 20.3 19.4 20.1 -15.5 14.6 16.4 17.3 14.6 14.3 14.9 22.1 13.8 17.0 16.8 14.4 19.9 21.4 16.2 14.7 17.4 18.4 22.0 16.0 17.2 14.7 14.7 20.0 20.8 16.1 16.2 15.0 16.2 17.2 16.1 14.8 17.9 21.9 15.0 16.5 15.1 15.6 16.8 15.9 17.1 19.3 20.6 16.6 15.5 14.5 13.8 19.9 19.6 15.3 16.6 14.8 15.4 15.3 15.1 16.2 15.0 14.4 16.9 20.7 17.6 14.9 15.6 15.3 14.5 14.8 15.9 20.2 20.3 20.5 21.0 18.4 15.1 16.3 15.7 15.4 14.6 14.6 15.8 16.7 20.4 19.0 14.8 16.7 16.5 15.9 14.7 14.7 17.6 18.6 16.0 17.2 15.5 16.2 16.0 14.4 13.7 11.9 16.4 20.0 21.9 17.4 17.0 15.3 16.8 13.7 12.8 Survey Information
NDING_UPPER_MISSISSIPPI
2,20230705_BD_1 Grant-Rd= 38°31'N ICINITY MAP Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the
State Plane Coordinate System (SPCS), Missouri East Zone.
Distance units in U.S. Survey Feet. Aids to Navigation **LAYERS** St. Louis St. Louis River Mile Training Structure Green Green Buoy Revetment /ertical Datum: Sailing Line Soundings are shown in feet and indicate depths below the 2014 Low Water Reference Plane. Red Buoy Reach 9' below LWRP2014 Surface 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 12' below LWRP2014 Surface Number 14' below LWRP2014 Surface 22 of 44 Depths shown are below LWRP2014 Surface The location of navigation aids are based on and provided by the U.S. Coast Guard.

CORPS OF ENGINEERS U.S. ARMY 38°32'N US Army Corps of Engineers District: CEMVS 14.0 12.8 9.0 7:2 6.9 15.9 16.0 13.0 7.0 8.3 14.8 12.4 13.2 13.9 16.3 15.8 15.7 12.4 12.9 7.5 15.5 12.0 13.8 6.8 5.0 6.3 12.9 14.1 7.4 7.1 16.6 17.8 14.9 15.1 15.5 15.9 18.1 19.0 19.5 6.7 8.5 17.6 18.0 17.6 16.1 8.9 172 18.1 15.2 18.3 **18.0** 15.0 15.0 15.4 12.2 15.6 14.5 20.9 15-1 13.3 17.8 17.6 14.5 13.9 14.1 16.3 16.7 16.5 17.0 15.7 16.7 16.2 15.0 13.4 13.2 **5** 14.5 11.9 14.0 17.5 16.8 17.1 17.3 16.1 14.8 15.1 15.9 14.6 13.8 - 13.3 - 14.5 14.3 16.0 14.4 15.4 14.6 13.7 15.3 16.6 16.1 15.1 15.1 15.5 15.0 16.4 13.6 13.8 12.9 15.6 15.8 13.6 16.0 15.2 14<u>.0</u> 14.9 14.1 14.8 16.7 17.3 15.6 00 13.9 Survey Information
NDING_UPPER_MISSISSIPPI
2,20230705_BD_1 38°32'N 90°16'W ICINITY MAP Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the
State Plane Coordinate System (SPCS), Missouri East Zone.
Distance units in U.S. Survey Feet. Aids to Navigation **LAYERS** St. Louis St. Louis River Mile Training Structure Green Green Buoy Revetment /ertical Datum: Sailing Line Soundings are shown in feet and indicate depths below the 2014 Low Water Reference Plane. Red Buoy Reach 9' below LWRP2014 Surface 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. 12' below LWRP2014 Surface Number 14' below LWRP2014 Surface 23 of 44 Depths shown are below LWRP2014 Surface The location of navigation aids are based on and provided by the U.S. Coast Guard.

CORPS OF ENGINEERS U.S. ARMY 90°15'W 38°32'N US Army Corps of Engineers District: CEMVS HAHAHAHAHAHA 15.4 12.8 14.3 15.1 15.9 16.3 173 15.2 18.0 15.6 19.0 19.5 18.4 18.4 17.9 17.7 17.7 15.3 18.1 16.5 15.9 14.5 15.1 18.6 16.5 15.8 13.9 14.2 14.1 16.6 16.3 16.2 15.9 17.0 16.8 17.2 17.4 16.4 13.9 14.2 15.0 13.7 14.5 15.1 13.6 RESER 0 Survey Information
NDING_UPPER_MISSISSIPPI
2,20230705_BD_1 -Van-Buren St— ICINITY MAP Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the
State Plane Coordinate System (SPCS), Missouri East Zone.
Distance units in U.S. Survey Feet. Aids to Navigation **LAYERS** St. Louis St. Louis River Mile Training Structure Green Green Buoy Revetment Sailing Line Soundings are shown in feet and indicate depths below the 2014 Low Water Reference Plane. Red Buoy Reach 9' below LWRP2014 Surface 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. 12' below LWRP2014 Surface Number 14' below LWRP2014 Surface 24 of 44 Depths shown are below LWRP2014 Surface