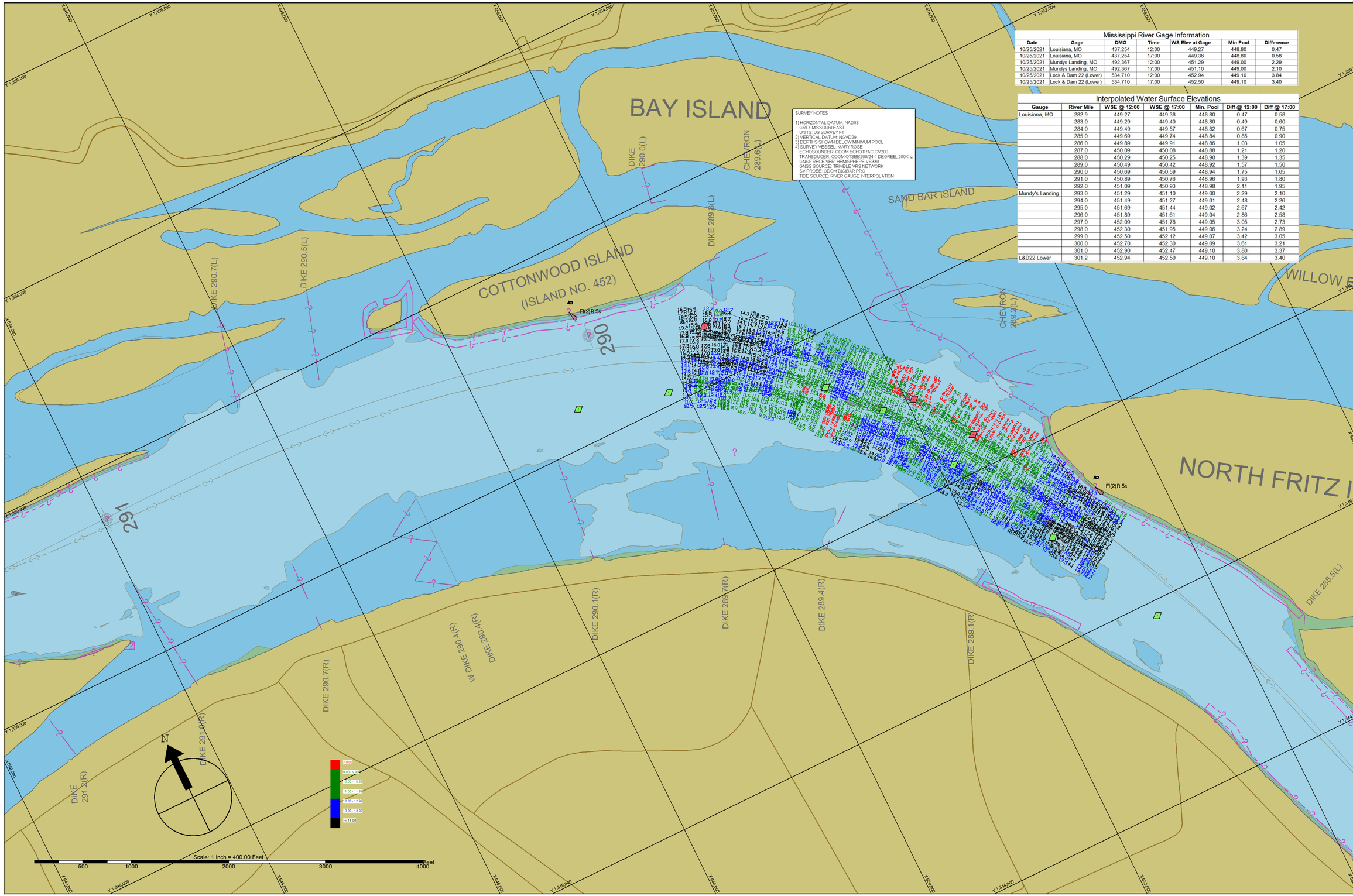

SURVEY NOTES

1) HORIZONTAL DATUM: NAD83
GRID: MISSOURI EAST
UNITS: US SURVEY FT
2) VERTICAL DATUM: NGVD29
3) DEPTHS SHOWN BELOW MINIMUM POOL
4) SURVEY VESSEL: MARY ROSE
ECHOSOUNDER: ODOM ECHOTRAC CV200
TRANSDUCER: ODOM OTSB2000/24.4 DEGREE, 200Khz
GNSS RECEIVER: HEMISPHERE VS330
GNSS SOURCE: TRIMBLE VRS NETWORK
SV PROBE: ODOM DIGBAR PRO
TIDE SOURCE: RIVER GAUGE INTERPOLATION

Mississippi River Gage Information

Date	Gage	DMG	Time	WS Elev at Gage	Min Pool	Difference
10/25/2021	Louisiana, MO	437,254	12:00	449.27	448.80	0.47
10/25/2021	Louisiana, MO	437,254	17:00	449.38	448.80	0.58
10/25/2021	Mundys Landing, MO	492,367	12:00	451.29	449.00	2.29
10/25/2021	Mundys Landing, MO	492,367	17:00	451.10	449.00	2.10
10/25/2021	Lock & Dam 22 (Lower)	534,710	12:00	452.94	449.10	3.84
10/25/2021	Lock & Dam 22 (Lower)	534,710	17:00	452.50	449.10	3.40

Interpolated Water Surface Elevations

Gauge	River Mile	WSE @ 12:00	WSE @ 17:00	Min. Pool	Diff @ 12:00	Diff @ 17:00
Louisiana, MO	282.9	449.27	449.38	448.80	0.47	0.58
	283.0	449.29	449.40	448.80	0.49	0.60
	284.0	449.49	449.57	448.82	0.67	0.75
	285.0	449.69	449.74	448.84	0.85	0.90
	286.0	449.89	449.91	448.86	1.03	1.05
	287.0	450.09	450.08	448.88	1.21	1.20
	288.0	450.29	450.25	448.90	1.39	1.35
	289.0	450.49	450.42	448.92	1.57	1.50
	290.0	450.69	450.59	448.94	1.75	1.65
	291.0	450.89	450.76	448.96	1.93	1.80
	292.0	451.09	450.93	448.98	2.11	1.95
Mundy's Landing	293.0	451.29	451.10	449.00	2.29	2.10
	294.0	451.49	451.27	449.01	2.48	2.26
	295.0	451.69	451.44	449.02	2.67	2.42
	296.0	451.89	451.61	449.04	2.86	2.58
	297.0	452.09	451.78	449.05	3.05	2.73
	298.0	452.30	451.95	449.06	3.24	2.89
	299.0	452.50	452.12	449.07	3.42	3.05
	300.0	452.70	452.30	449.09	3.61	3.21
	301.0	452.90	452.47	449.10	3.80	3.37
L&D22 Lower	301.2	452.94	452.50	449.10	3.84	3.40

St. Louis District

DATES OF SURVEY:
October 25, 2021

FILE NO.: RM288p9-289p8_24x36
REQUEST NO.: ########

SCALE:
1" = 400'

FIELD BOOKS:

Approved: NAME
FIELD CARTOGRAPHER
Approved: NAME
CIVIL ENGINEERING TECHNICIAN
Approved: NAME
ASST. CHIEF OF SURVEY
Approved: NAME
CHIEF OF SURVEY
Date: October 25, 2021

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

SURVEYED BY:
SEAWORKS GROUP, LLC
185 E MAIN ST STE. 414
BENTON HARBOR, MI 49022

UPPER MISSISSIPPI RIVER
BASIN
MISSISSIPPI RIVER

PRE-DREDGE SURVEY
POOL 24, MILES 288.9 - 289.8

SHEET NO.
1 OF 1