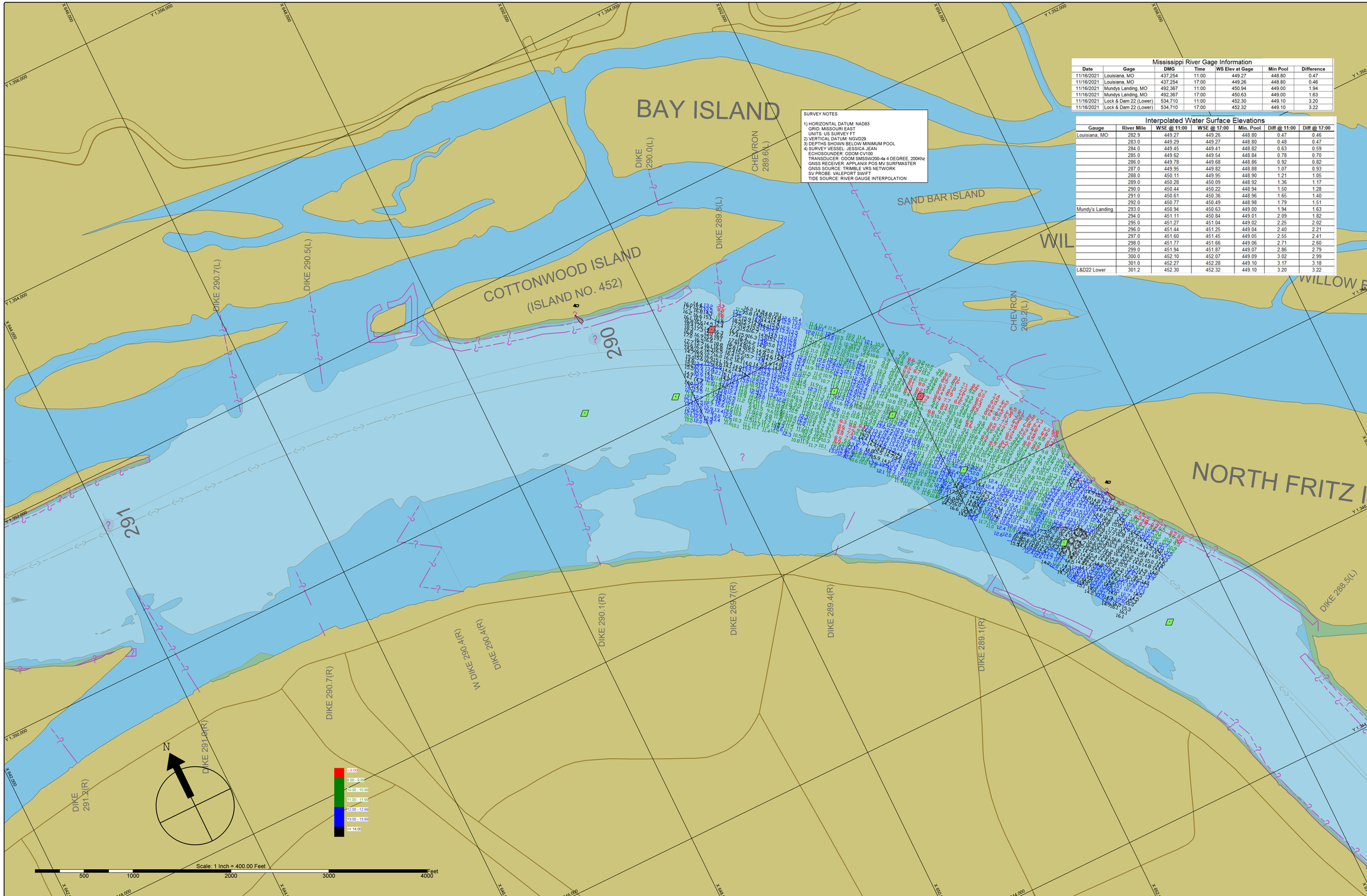

SURVEY NOTES

1) HORIZONTAL DATUM: NAD83
GRID: MISSOURI EAST
UNITS: US SURVEY FT
2) VERTICAL DATUM: NGVD29
3) DEPTHS SHOWN BELOW MINIMUM POOL
4) SURVEY VESSEL: JESSICA JEAN
ECHOSOUNDER: ODOM CV100
TRANSDUCER: ODOM SMSSW200-4a 4 DEGREE, 200Khz
GNSS RECEIVER: APPLANIX POS MV SURFMASTER
GNSS SOURCE: TRIMBLE VRS NETWORK
SV PROBE: VALEPORT SWIFT
TIDE SOURCE: RIVER GAUGE INTERPOLATION

Mississippi River Gage Information

Date	Gage	DMG	Time	WS Elev at Gage	Min Pool	Difference
11/16/2021	Louisiana, MO	437,254	11:00	449.27	448.80	0.47
11/16/2021	Louisiana, MO	437,254	17:00	449.26	448.80	0.46
11/16/2021	Mundys Landing, MO	492,367	11:00	450.94	449.00	1.94
11/16/2021	Mundys Landing, MO	492,367	17:00	450.63	449.00	1.63
11/16/2021	Lock & Dam 22 (Lower)	534,710	11:00	452.30	449.10	3.20
11/16/2021	Lock & Dam 22 (Lower)	534,710	17:00	452.32	449.10	3.22

Interpolated Water Surface Elevations

Gauge	River Mile	WSE @ 11:00	WSE @ 17:00	Min. Pool	Diff @ 11:00	Diff @ 17:00
Louisiana, MO	282.9	449.27	449.26	448.80	0.47	0.46
	283.0	449.29	449.27	448.80	0.48	0.47
	284.0	449.45	449.41	448.82	0.63	0.59
	285.0	449.62	449.54	448.84	0.78	0.70
	286.0	449.78	449.68	448.86	0.92	0.82
	287.0	449.95	449.82	448.88	1.07	0.93
	288.0	450.11	449.95	448.90	1.21	1.05
	289.0	450.28	450.09	448.92	1.36	1.17
	290.0	450.44	450.22	448.94	1.50	1.28
	291.0	450.61	450.36	448.96	1.65	1.40
	292.0	450.77	450.49	448.98	1.79	1.51
Mundy's Landing	293.0	450.94	450.63	449.00	1.94	1.63
	294.0	451.11	450.84	449.01	2.09	1.82
	295.0	451.27	451.04	449.02	2.25	2.02
	296.0	451.44	451.25	449.04	2.40	2.21
	297.0	451.60	451.45	449.05	2.55	2.41
	298.0	451.77	451.66	449.06	2.71	2.60
	299.0	451.94	451.87	449.07	2.86	2.79
	300.0	452.10	452.07	449.09	3.02	2.99
	301.0	452.27	452.28	449.10	3.17	3.18
L&D22 Lower	301.2	452.30	452.32	449.10	3.20	3.22

St. Louis District

DATES OF SURVEY:
NOVEMBER 16, 2021

FILE NO.: RM289p9-289p8_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: NOVEMBER 16, 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

POST-DREDGE SURVEY
POOL 24, MILES 288.9 - 289.8

SHEET NO.

1 OF 1