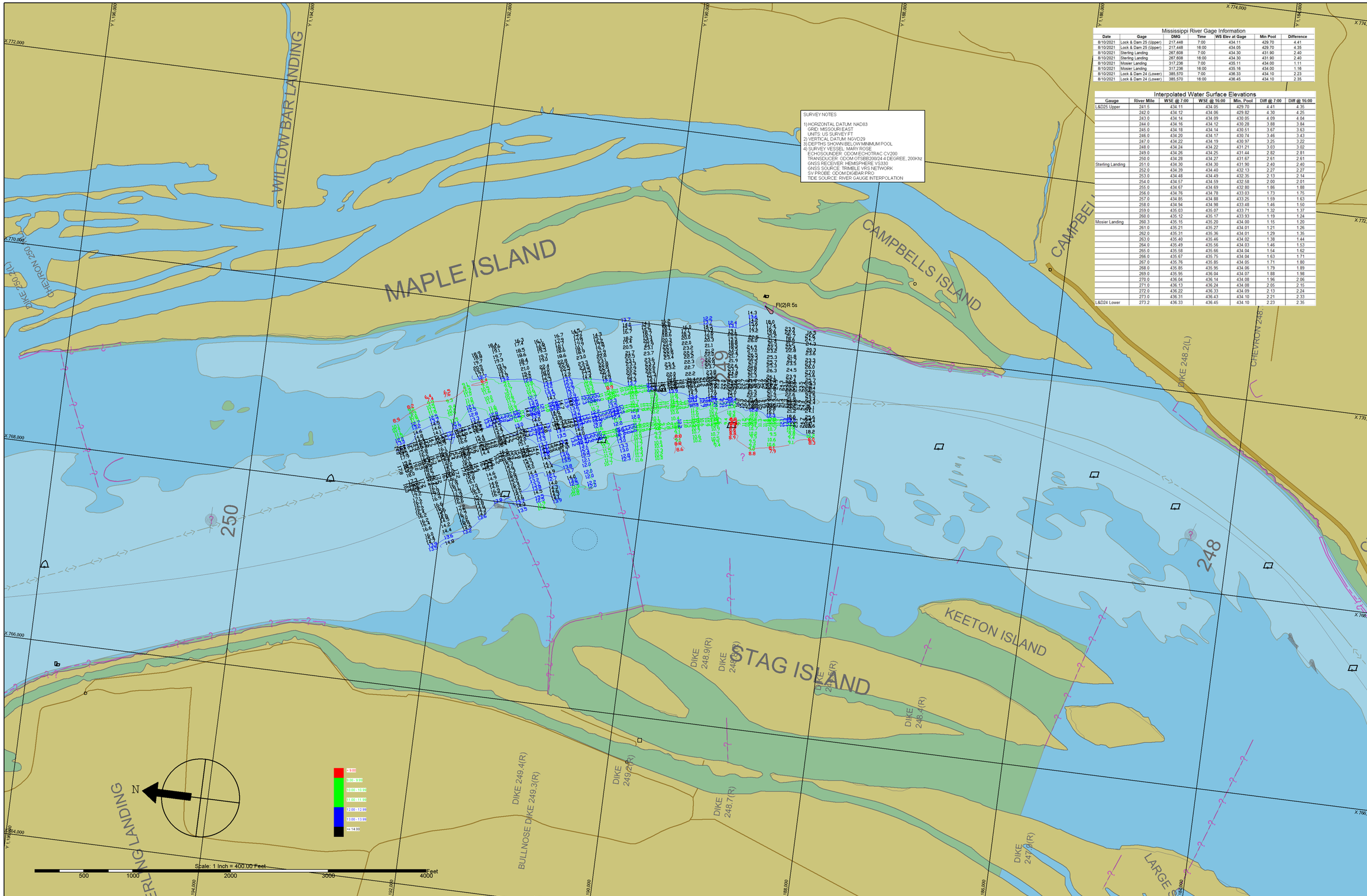

SURVEY NOTES

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 OTSBB200/24 4 DEGREE, 200Khz
GNSS RECEIVER: HEMISPHERE VS330
GNSS SOURCE: TRIMBLE VRS NETWORK
SV PROBE: ODOM DIGIBAR PRO
TIDE SOURCE: RIVER GAUGE INTERPOLATION

Mississippi River Gage Information

Date	Gage	DMG	Time	WS Elev at Gage	Min Pool	Difference
8/10/2021	Lock & Dam 25 (Upper)	217,448	7:00	434.11	429.70	4.41
8/10/2021	Lock & Dam 25 (Upper)	217,448	16:00	434.05	429.70	4.35
8/10/2021	Sterling Landing	267,608	7:00	434.30	431.90	2.40
8/10/2021	Sterling Landing	267,608	16:00	434.30	431.90	2.40
8/10/2021	Mosier Landing	317,236	7:00	435.11	434.00	1.11
8/10/2021	Mosier Landing	317,236	16:00	435.16	434.00	1.16
8/10/2021	Lock & Dam 24 (Lower)	385,570	7:00	436.33	434.10	2.23
8/10/2021	Lock & Dam 24 (Lower)	385,570	16:00	436.45	434.10	2.35

Interpolated Water Surface Elevations

Gauge	River Mile	WSE @ 7:00	WSE @ 16:00	Min. Pool	Diff @ 7:00	Diff @ 16:00
L&D25 Upper	241.5	434.11	434.05	429.70	4.41	4.35
	242.0	434.12	434.06	429.82	4.30	4.25
	243.0	434.14	434.09	430.05	4.09	4.04
	244.0	434.16	434.12	430.28	3.88	3.84
	245.0	434.18	434.14	430.51	3.67	3.63
	246.0	434.20	434.17	430.74	3.46	3.43
	247.0	434.22	434.19	430.97	3.25	3.22
	248.0	434.24	434.22	431.21	3.03	3.02
	249.0	434.26	434.25	431.44	2.82	2.81
	250.0	434.28	434.27	431.67	2.61	2.61
Sterling Landing	251.0	434.30	434.30	431.90	2.40	2.40
	252.0	434.39	434.40	432.13	2.27	2.27
	253.0	434.48	434.49	432.35	2.13	2.14
	254.0	434.57	434.59	432.58	2.00	2.01
	255.0	434.67	434.69	432.80	1.86	1.88
	256.0	434.76	434.78	433.03	1.73	1.75
	257.0	434.85	434.88	433.25	1.59	1.63
	258.0	434.94	434.98	433.48	1.46	1.50
	259.0	435.03	435.07	433.71	1.32	1.37
	260.0	435.12	435.17	433.93	1.19	1.24
Mosier Landing	260.3	435.15	435.20	434.00	1.15	1.20
	261.0	435.21	435.27	434.01	1.21	1.26
	262.0	435.31	435.36	434.01	1.29	1.35
	263.0	435.40	435.46	434.02	1.38	1.44
	264.0	435.49	435.56	434.03	1.46	1.53
	265.0	435.58	435.66	434.04	1.54	1.62
	266.0	435.67	435.75	434.04	1.63	1.71
	267.0	435.76	435.85	434.05	1.71	1.80
	268.0	435.85	435.95	434.06	1.79	1.89
	269.0	435.95	436.04	434.07	1.88	1.98
	270.0	436.04	436.14	434.08	1.96	2.06
	271.0	436.13	436.24	434.08	2.05	2.15
	272.0	436.22	436.33	434.09	2.13	2.24
	273.0	436.31	436.43	434.10	2.21	2.33
L&D24 Lower	273.2	436.33	436.45	434.10	2.23	2.35

St. Louis District

DATES OF SURVEY:
AUGUST 10, 2021

SCALE:
1" = 400'

FIELD BOOKS:

FILE NO.: RM249p8-249p6_24x36
REQUEST NO.: ########

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

Approved: NAME
FIELD CARTOGRAPHER

Approved: NAME
CIVIL ENGINEERING TECHNICIAN

Approved: NAME
ASST. CHIEF OF SURVEY

Approved: NAME
CHIEF OF SURVEY

Date: AUGUST 10, 2021

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 25, MILES 248.8 - 249.6

SHEET NO.

1 OF 1