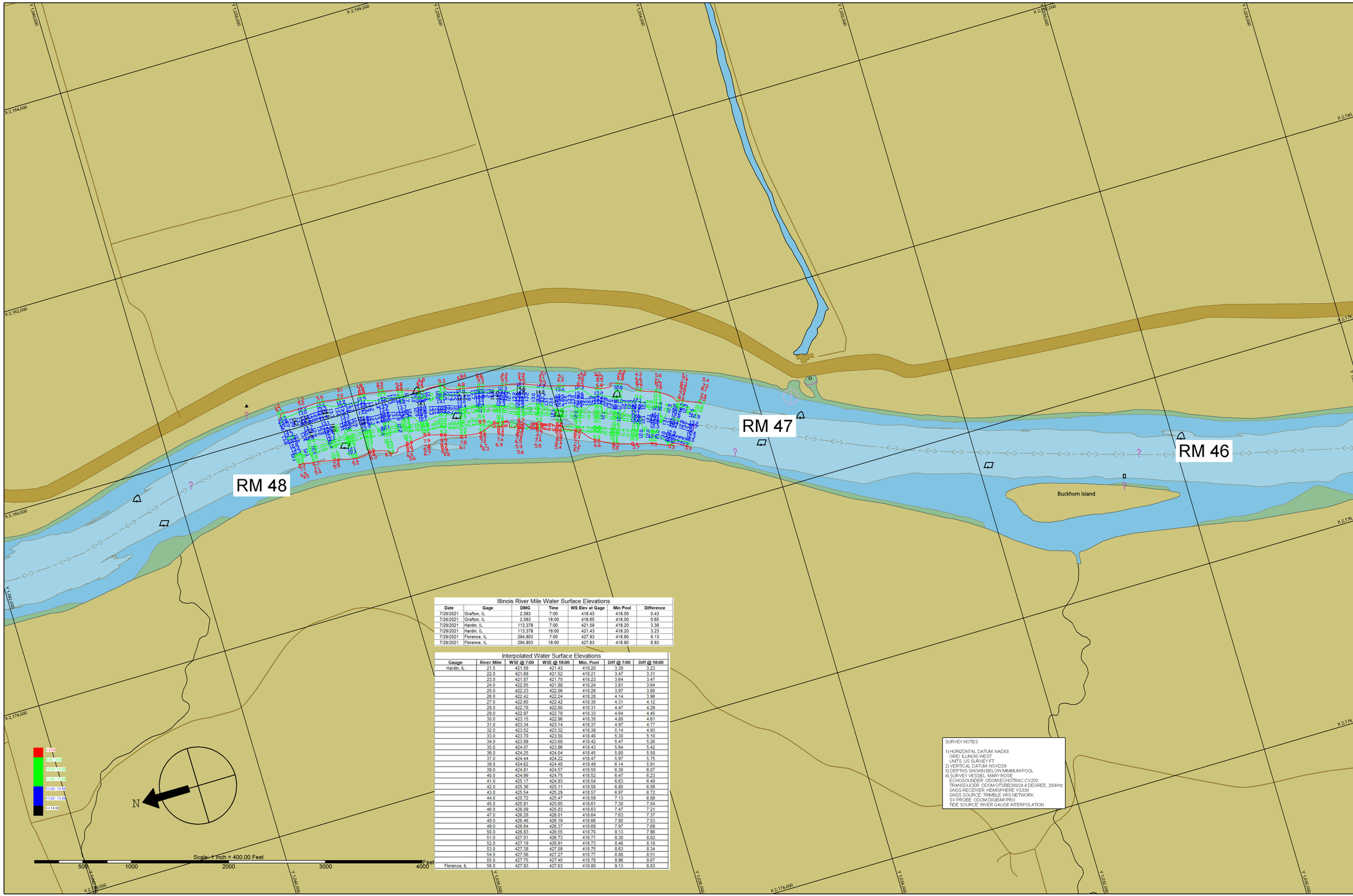

Illinois River Mile Water Surface Elevations

Date	Gage	DMG	Time	WS Elev at Gage	Min Pool	Difference
7/29/2021	Grafton, IL	2,583	7:00	418.43	418.00	0.43
7/29/2021	Grafton, IL	2,583	18:00	418.65	418.00	0.65
7/29/2021	Hardin, IL	113,378	7:00	421.59	418.20	3.39
7/29/2021	Hardin, IL	113,378	18:00	421.43	418.20	3.23
7/29/2021	Florence, IL	294,803	7:00	427.93	418.80	9.13
7/29/2021	Florence, IL	294,803	18:00	427.63	418.80	8.83

Interpolated Water Surface Elevations

Gauge	River Mile	WSE @ 7:00	WSE @ 18:00	Min. Pool	Diff @ 7:00	Diff @ 18:00
Hardin, IL	21.5	421.59	421.43	418.20	3.39	3.23
	22.0	421.68	421.52	418.21	3.47	3.31
	23.0	421.87	421.70	418.23	3.64	3.47
	24.0	422.05	421.88	418.24	3.81	3.64
	25.0	422.23	422.06	418.26	3.97	3.80
	26.0	422.42	422.24	418.28	4.14	3.96
	27.0	422.60	422.42	418.30	4.31	4.12
	28.0	422.78	422.60	418.31	4.47	4.29
	29.0	422.97	422.78	418.33	4.64	4.45
	30.0	423.15	422.96	418.35	4.80	4.61
	31.0	423.34	423.14	418.37	4.97	4.77
	32.0	423.52	423.32	418.38	5.14	4.93
	33.0	423.70	423.50	418.40	5.30	5.10
	34.0	423.89	423.68	418.42	5.47	5.26
	35.0	424.07	423.86	418.43	5.64	5.42
	36.0	424.25	424.04	418.45	5.80	5.58
	37.0	424.44	424.22	418.47	5.97	5.75
	38.0	424.62	424.40	418.49	6.14	5.91
	39.0	424.81	424.57	418.50	6.30	6.07
	40.0	424.99	424.75	418.52	6.47	6.23
	41.0	425.17	424.93	418.54	6.63	6.40
	42.0	425.36	425.11	418.56	6.80	6.56
	43.0	425.54	425.29	418.57	6.97	6.72
	44.0	425.72	425.47	418.59	7.13	6.88
	45.0	425.91	425.65	418.61	7.30	7.04
	46.0	426.09	425.83	418.63	7.47	7.21
	47.0	426.28	426.01	418.64	7.63	7.37
	48.0	426.46	426.19	418.66	7.80	7.53
	49.0	426.64	426.37	418.68	7.97	7.69
	50.0	426.83	426.55	418.70	8.13	7.86
	51.0	427.01	426.73	418.71	8.30	8.02
	52.0	427.19	426.91	418.73	8.46	8.18
	53.0	427.38	427.09	418.75	8.63	8.34
	54.0	427.56	427.27	418.77	8.80	8.51
	55.0	427.75	427.45	418.78	8.96	8.67
Florence, IL	56.0	427.93	427.63	418.80	9.13	8.83

SURVEY NOTES

1) HORIZONTAL DATUM: NAD83
GRID: ILLINOIS WEST
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 OTSB200/24-4 DEGREE, 200Khz
GNSS RECEIVER: HEMISPHERE VS330
GNSS SOURCE: TRIMBLE VRS NETWORK
SV PROBE: ODOM DIGIBAR PRO
TIDE SOURCE: RIVER GAUGE INTERPOLATION

St. Louis District

DATES OF SURVEY:
JULY 29th 2021

FILE NO.: RM47-47.8_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: JULY 29 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

LOWER ILLINOIS RIVER
BASIN
ILLINOIS RIVER

PRE-DREDGE SURVEY
RM 47.0-47.8

SHEET NO.

1 OF 1