September 16, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 15:00	WS 17:30	MP DIFF 15:00	MP DIFF 17:30
228.3	418.10	421.9	421.9	3.8	3.8
228.0	418.10	421.9	421.9	3.8	3.8
227.0	418.09	421.7	421.7	3.6	3.6
226.0	418.08	421.5	421.5	3.4	3.4
225.0	418.07	421.3	421.3	3.2	3.2
224.0	418.06	421.1	421.1	3.0	3.0
223.0	418.05	420.9	420.9	2.8	2.8
222.0	418.04	420.7	420.7	2.6	2.6
221.0	418.03	420.5	420.5	2.4	2.4
220.0	418.02	420.3	420.3	2.2	2.2
219.0	418.01	420.1	420.1	2.1	2.1
218.0	418.0	419.9	419.9	1.9	1.9

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

Pre Dredge Survey

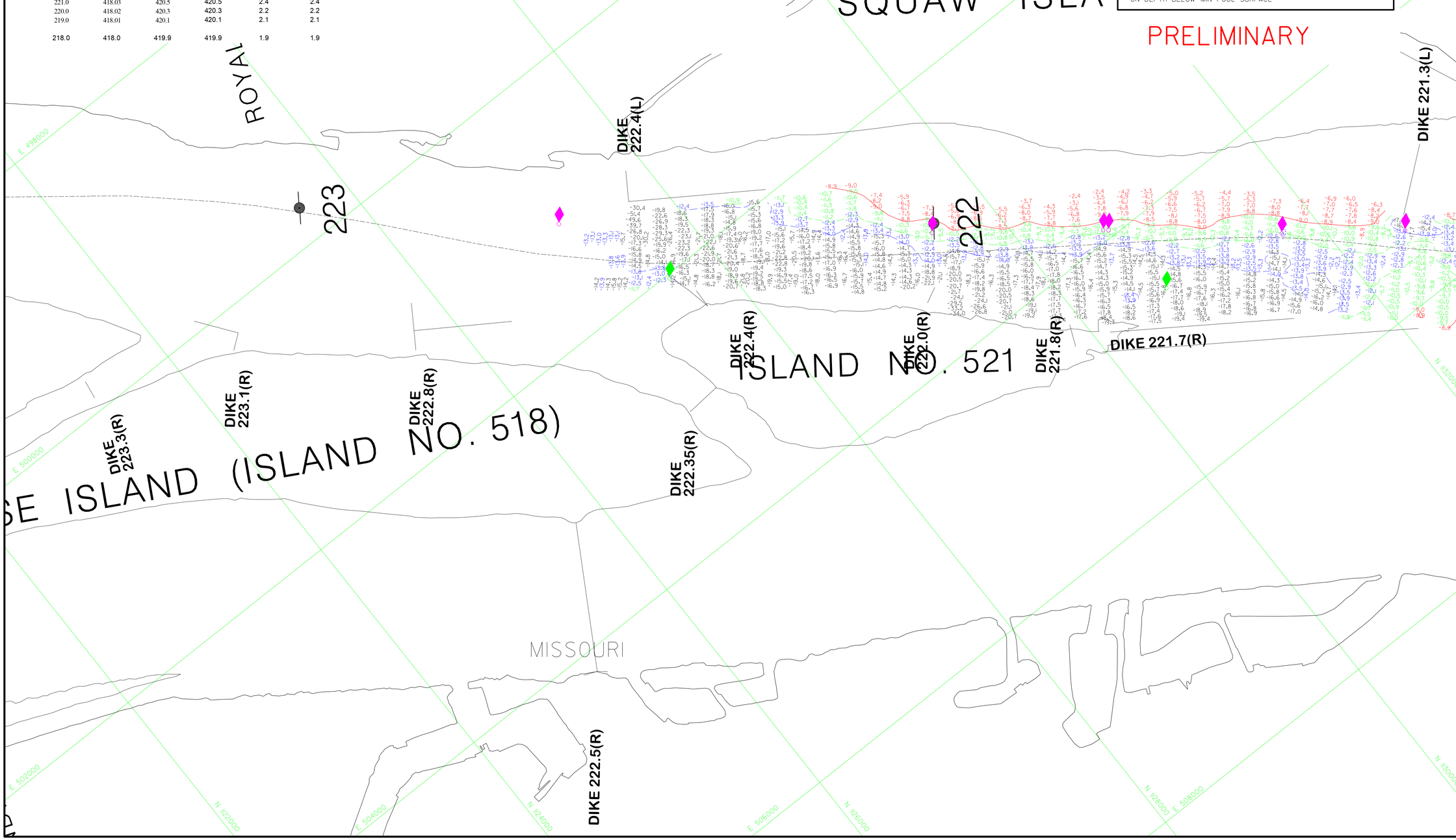
1. Sounded September 17, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

PRELIMINARY



US Army Corps of Engineers
St. Louis District

GAGE RECORD			
WATER SURFACE ZERO N.G.V.D.	DIXON LNDG	GRAFTON	
MILE	410.6	403.8	
MIN POOL	228.3	218.0	
	416.1	416.0	
17 SEP 2020	421.9 (15:00)	419.9 (15:00)	
	421.9 (17:30)	419.9 (17:30)	

Surveyed by: PRAIRIE ENGINEERS
Survey Dates: Sept. 17, 2020
Drawn by: JLM
Ckd by: JBF
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
Reviewed by:
File names: 220918026_map.dm10.dgn 220918026_map.dgn
Plot scale: 1:400'
APPROVED:
Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS
800 FEET
120 0 120 400
400 0 400 120

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME INDICATED AND MAY NOT BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PRE DREDGE SURVEY
MILE: 222.5 - 220.0

PLATE NUMBER
01

September 16, 2020

INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 15:00	WS 17:30	MP DIFF 15:00	MP DIFF 17:30
228.3	418.10	421.9	421.9	3.8	3.8
228.0	418.10	421.9	421.9	3.8	3.8
227.0	418.09	421.7	421.7	3.6	3.6
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221.0	418.03	420.5	420.5	2.4	2.4
220.0	418.02	420.3	420.3	2.2	2.2
219.0	418.01	420.1	420.1	2.1	2.1
218.0	418.0	419.9	419.9	1.9	1.9

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Pre Dredge Survey

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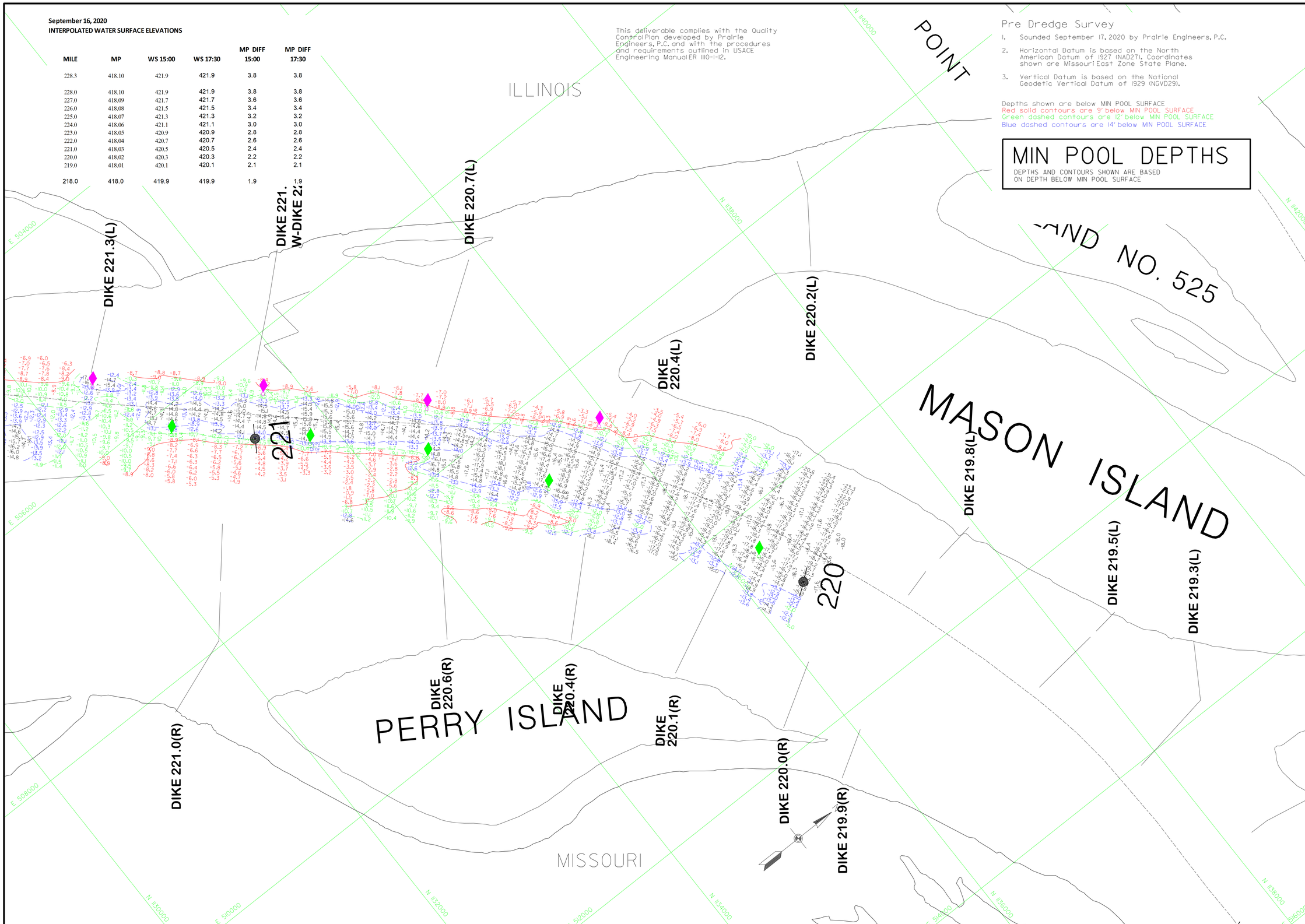
MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE



US Army Corps of Engineers
St. Louis District

ZERO N.G.V.D.	WATER SURFACE	GAGE RECORD	
MILE	DIXON LNDG	GRAFTON	
MIN POOL	410.6	403.8	
	228.3	218.0	
	418.1	418.0	
17 SEP 2020	421.9 (15:00)	419.9 (15:00)	
	421.9 (17:30)	419.9 (17:30)	

Survey Dates Sept. 17, 2020

SUBMITTED: Chief, Engr. Data Mngt. Sect.

File names 220MR20_map_sh102.dgn 220MR20_map.dwg
Plot date 9/24/2020
Plot scale 1:400

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLM
Ckd by: JBF
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS
800 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME SURVEYS WERE MADE AND IS SUBMITTED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PRE DREDGE SURVEY
MILE: 222.5 - 220.0

PLATE NUMBER
02