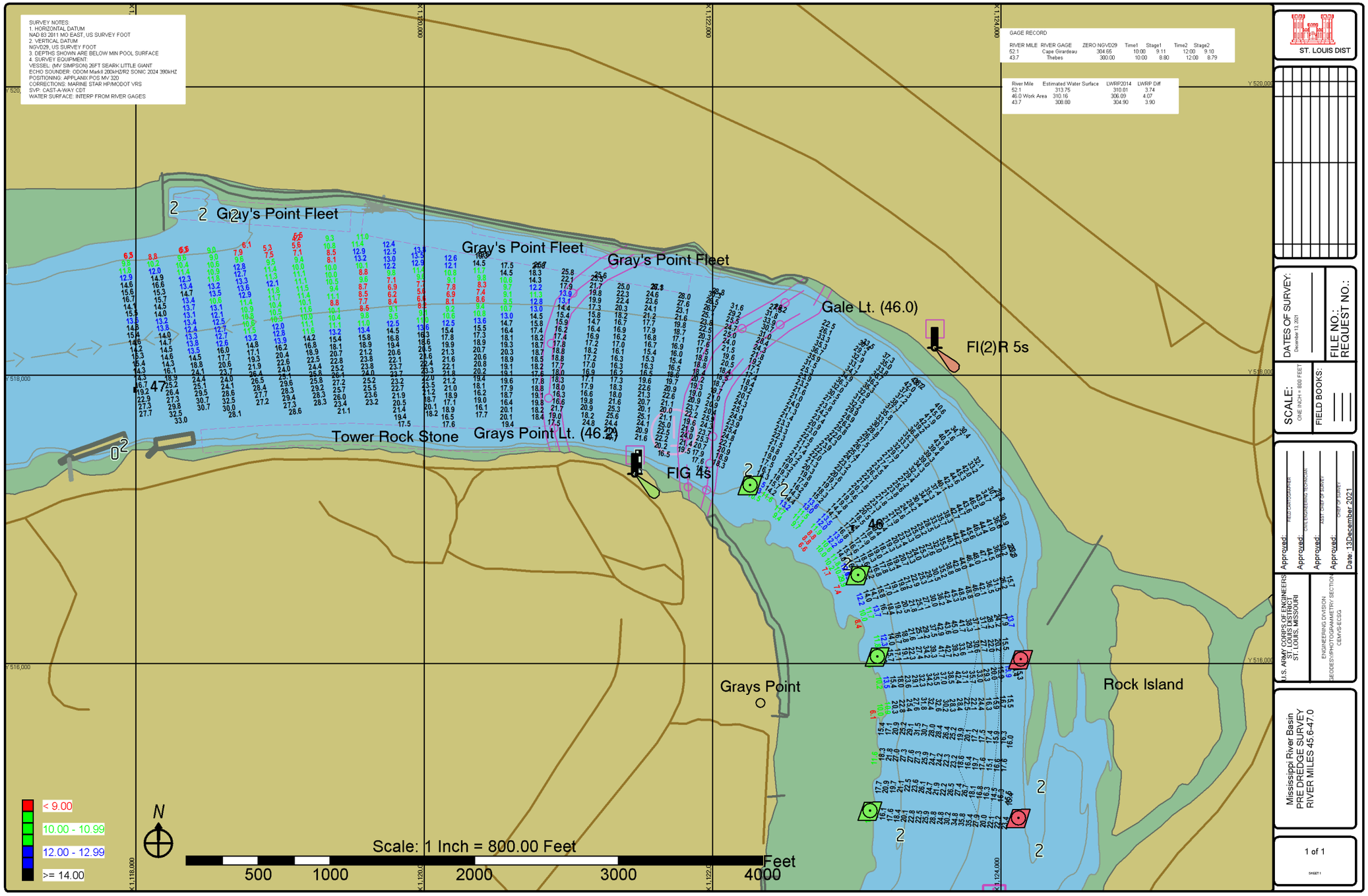
SURVEY NOTES:
1. HORIZONTAL DATUM
NAD 83 2011 MO EAST, US SURVEY FOOT
2. VERTICAL DATUM
NGVD29, US SURVEY FOOT
3. DEPTHS SHOWN ARE BELOW MIN POOL SURFACE
4. SURVEY EQUIPMENT:
VESSEL: (MV SIMPSON) 26FT SEARK LITTLE GIANT
ECHO SOUNDER: ODOM Mark9 200KHZ/R2 SONIC 2024 390kHZ
POSITIONING: APPLANIX POS MV 320
CORRECTIONS: MARINE STAR HP/MODOT VRS
SVP: CAST-A-WAY CDT
WATER SURFACE: INTERP FROM RIVER GAGES
GAGE RECORD
RIVER MILE RIVER GAGE ZERO NGVD29 Time1 Stage1 Time2 Stage2
52.1 Cape Girardeau 304.65 10:00 9.11 12:00 9.10
43.7 Thebes 300.00 10:00 8.80 12:00 8.79
River Mile Estimated Water Surface LWRP2014 LWRP Diff
52.1 313.75 310.01 3.74
46.0 Work Area 310.16 306.09 4.07
43.7 308.80 304.90 3.90
Gray's Point Fleet
Gale Lt. (46.0)
Fl(2)R 5s
Tower Rock Stone
Grays Point Lt. (46.2)
FIG 4s
Grays Point
Rock Island
< 9.00
10.00 - 10.99
12.00 - 12.99
>= 14.00
N
Scale: 1 Inch = 800.00 Feet
500 1000 2000 3000 4000 Feet
ST. LOUIS DIST
DATES OF SURVEY:
December 13, 2021
SCALE:
ONE INCH = 800 FEET
FILE NO.:
REQUEST NO.:
FIELD BOOKS:
Approved:
Approved:
Approved:
Approved:
Date: 13December 2021
U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI
ENGINEERING DIVISION
GEODESY/PHOTOGRAMMETRY SECTION
CEMVS-EC-GG
Mississippi River Basin
PRE DREDGE SURVEY
RIVER MILES 45.6-47.0
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