## DREDGING NOTICE U.S. ARMY CORPS OF ENGINEERS ST. PAUL DISTRICT

NOTICE DATE: July 10<sup>th</sup>, 2024 DREDGING CATEGORY: Imminent

MEETING DATE: If requested MEETING TIME:

BOAT REQUIREMENT: MEETING LOCATION:

DREDGE CUT NAME: Freeborn Light RIVER MILE: 818.2 – 819.1

HISTORIC DATA

Frequency: 35% Avg. Quantity/Job: 36,081 yd<sup>3</sup> Date Last Dredged: June 2<sup>nd</sup>, 2023 Avg. Quantity/Year: 12,695 yd<sup>3</sup>

**SURVEY DATA** 

Date Surveyed: July 8<sup>th</sup>, 2024 Water Surface Elevation: 687.5 Low Control Pool Elevation: 686.2

Net Difference: +1.3'

5-Day River Forecast: Decreasing Steadily

DREDGING DATA

Recommended Channel Width: 400 feet Recommended Dredging Depth: 12 feet

Estimated Quantity: 37,130 yd<sup>3</sup> plus 682 yd<sup>3</sup> for access

Type of Dredge: Contract Mechanical Plant 2

Dredging Date: July 9th for access and July 10th for channel dredging

Estimated Duration: 19 dredging days

Justification for Dredging: The navigation channel is reduced to 180' between the 9.0'

contours and 150' between 10.5'. On a recommended bend width of 400'.

MATERIAL PLACEMENT DATA

Proposed Placement Site: Pine Bend Placement Site

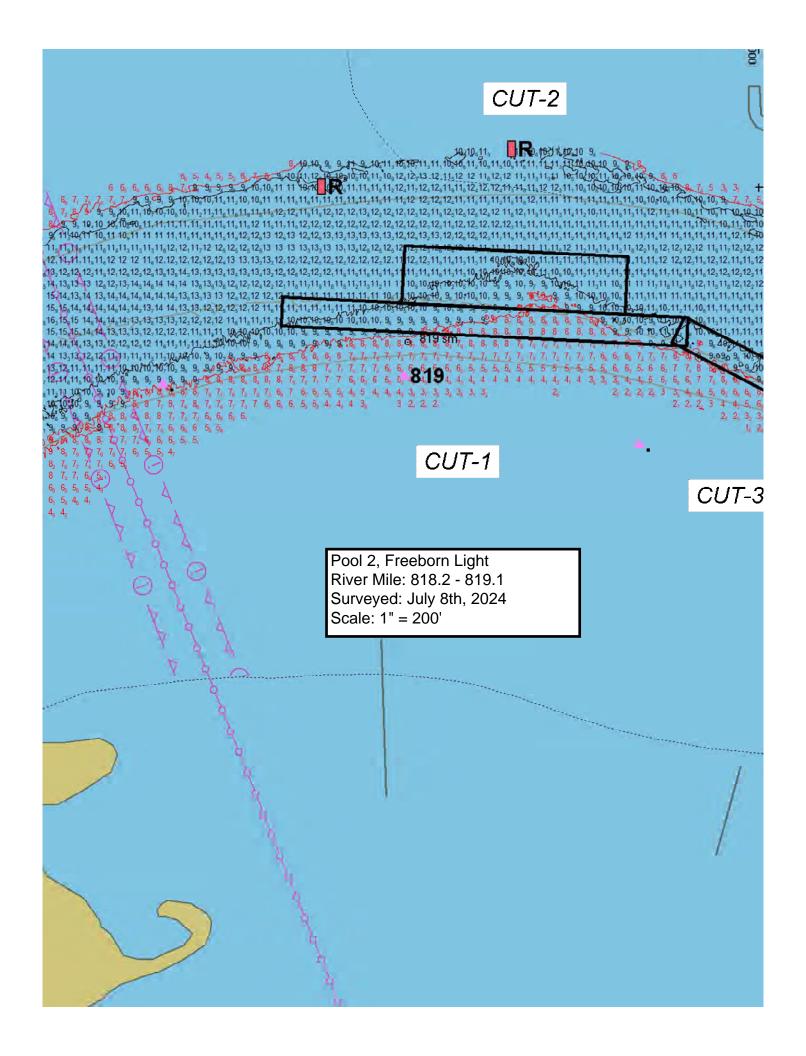
Location: 2-823.8-LMT

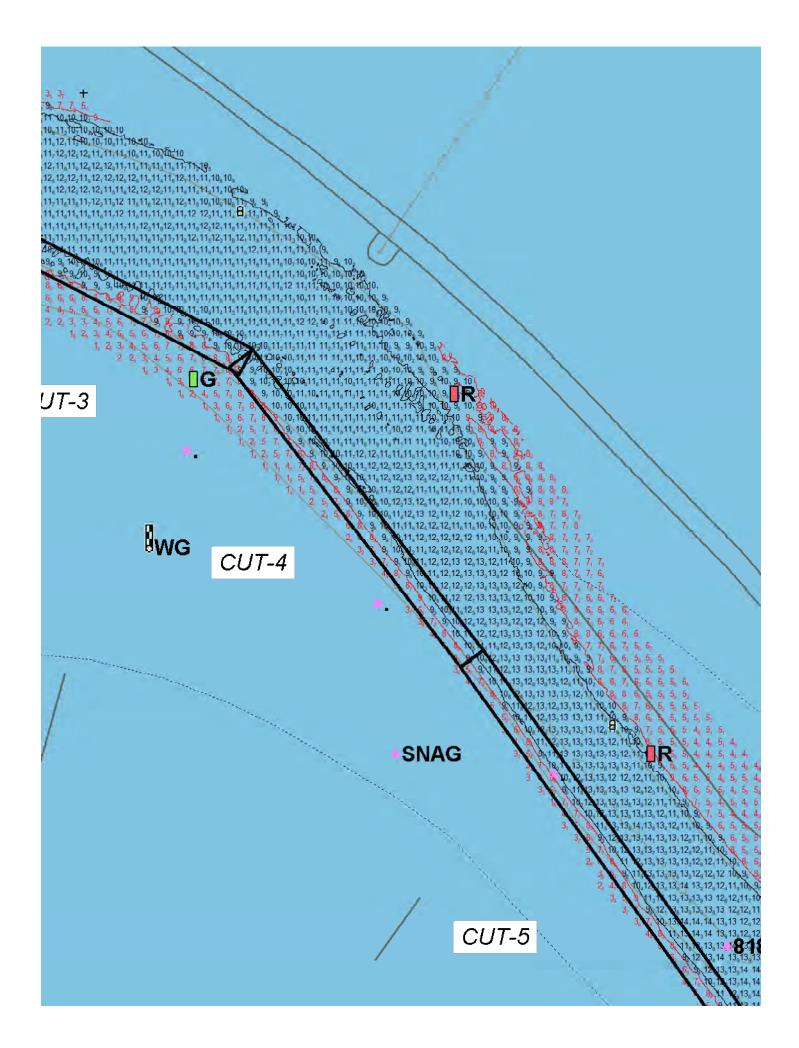
Site Characteristics: It is a historically used temporary placement site.

If you have any questions concerning this project, or if you would like to request an on-site meeting, please call me at (651) 290-5155

Dan Cottrell

**Dredging Manager** 





```
12,12 10
13,13 12,12,11,100
14 13,13,12,12,12,12
        13, 13, 14 14 13, 12, 12, 12, 12
                     13,14,14,14,13,12,12,12,12,10,
                           14, 14, 14, 14, 13, 13, 12, 12, 12,
                                   13,14,14,14,14,14 13,13 12,12,10
                                         14,14,14,14,15 14,13,12,12,12,11\
                                            2,13,15 15,15,15,14,14 12,12,12,17,10,4
                                                12,14,15,15,15,15,14,14,13,12,12,12
                                                     13, 15, 15, 15, 15, 15, 15, 14, 13, 13, 12, 11, 18, 9,
                                                         1212,14,15,15,16,16,16,15,15,14,13,12,11,10,0,0,0
                                                                    12,14, 15, 15, 16, 16, 16, 15, 14, 14, 13, 12, 17, 10, 9, 8
                                                                           12,14,16,15,16,16,15,16,15,14,13,12,11,10,9,8
12,13,16,15,16,17,16,16,15,14,14,13,11,11,9,
                                                                                                14,15,15,16,17 17 17 16,15,14,13,12,11,10, 9, 8,
                                                                                                           14 15, 16, 17 17, 17, 17, 16, 16, 15, 15, 12, 11, 10, 10, 9
                                                                                                                                  13,15 15,16,17,17,17,16,16,15,15,13,12,11,10,11 10,
                                                                                                                                          13, 15, 15, 16, 17, 16, 17, 17, 16, 16, 15, 13, 12, 11, 11, 10, 10, 10,
                                                                                                                                                      14,15,16,16,17,17,17,16,16,15,14,13 12,12,11,10,10, 9,
                                                                                                                                                              13, 15, 16, 16, 17, 17, 17, 16, 16, 15, 15, 14, 13, 13, 12, 11, 11, 10, 10
                                                                                                                                                                           14, 16 16, 17 17, 17, 16, 15, 15, 15, 14, 14, 12 12, 17, 10, 10, 11, 10
                                                                                                                                                                                  .14,15,16,16,17,17,16,16,16 15,14,12,12 13,11,10,11,11,
                                                                                                                                                                                        913914615716617216916916315914613513 12611712 11311611
                                                                                                                                                                                                13,14,15,16 16,16,16,15,15,14,14,13,12,11,11,11,11,11,11,11
                                                                                                                                                                                                              14,15, 16, 16, 16, 16, 15, 15, 15, 15, 15, 13, 13, 12, 12, 12, 11, 11, 11, 18, 10, 10, 9,
                                                                                                                                                                                                                    2,14,15,16,16,16,16,16,15,15,15,15,15,14,13,13,13,13,13,12,12,12,12,12,11,11,11,
                                                                                                                                                                                                                                            1<sub>0</sub>13<sub>4</sub>14<sub>8</sub>16,16 16<sub>2</sub>16<sub>2</sub>16,15<sub>8</sub>16,15<sub>6</sub>15<sub>6</sub>15 13<sub>6</sub>13<sub>4</sub>13<sub>4</sub>13<sub>4</sub>13 12<sub>5</sub>12<sub>2</sub>12<sub>2</sub>12<sub>1</sub>12<sub>1</sub>12<sub>6</sub>12<sub>2</sub>11<sub>6</sub>11
                                                                                                                                                                                                                                                     L 12, 13, 15, 15, 16, 16, 16, 16, 16, 16, 16 15, 14, 14, 13, 13, 12, 13 12, 12, 12, 11, 12, 12, 11,
                                                                                                                                                                                                                                                             12,13,14,15,16,16,16,16,16,16,16,14,14,13,13,13,13 12,12,11,11,10,30,11,
                                                                                                                                                                                                                                                                     12,13,14 15,15,16,16,16,16,16,15,14,14,14,13,13,13,12,12,11,11,11,10,
                                                                                                                                                                                                                                                                    11,12,13,13,14,15,15,16,16,16,16,15,15,14,14,14,13,13,11,11,11,12,
                                                                                                                                                                                                                                                               11<sub>e</sub>11,12,12,13,13<sub>e</sub>14,15,16,16,16,16,16 16,16,15,15<sub>e</sub>15,14,14,14,12,12,11,
                                                                                                                                                               11,70,11 11,1146,11,10,10,40,10,10,11,10,11,11,11,12,12,13,14,13,15,15,16,16,16,16,16,16,15,15,14,14,13,13,11,11
                                                                                                                                                                           10_{6}11_{2}11_{6}11_{6}11_{1}11_{1}11_{1}11_{1}11_{1}11_{6}11_{1}11_{1}11_{4}11_{6}11_{7}11_{6}12 + 12_{4}12_{4}13_{7}13_{6}13_{4}14_{5}16_{7}16_{7}16 + 16_{4}16 + 16_{5}16_{4}16_{7}15_{8}16_{7}15_{7}14_{6}14_{4}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}14_{7}1
                                                                                                                                                                                         11_{7}11_{8}11_{7}12_{2}11_{4}11_{8}11_{7}11_{8}11_{7}12_{3}11_{7}12\ 11_{8}12_{6}12_{5}12_{7}12_{8}13\ 13_{8}\frac{1}{12}_{2}14_{2}14_{7}16\ 16_{8}16\ 16_{3}16_{4}16_{5}17\ 16_{7}17\ 16_{4}16_{5}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{7}16_{
                                                                                                                                                                                                       10,11,11,11,11,11,11,12 11,11,12 11,12 11,12 12,12,13,12,12,13,14,15 14,15 15,16,16,:
                                                                                                                                                                                                                                         11_{9}11_{7}12\ 11_{9}11_{6}12,12_{2}12_{6}12_{2}12_{1}12,12_{5}12_{2}12_{4}12_{6}12_{2}12_{5}12_{5}12_{5}12_{5}12_{5}12_{6}12_{6}13_{2}13_{5}13_{5}14_{4}14_{4}14_{7}14_{6}15_{6}15_{5}
                                                                                                                                                                                                                                                       12 12,12,12,12,13 12,13,12,12,13 13 12,12,12,13 13,13,13,13,14,14,15 14,15
                                                                                                                                                                                                                                                              11_712_312_312_112_112_513 \ 13_313_313_113_613_413_513_413_513_614_113_914_214_714_915_3
                                                                                                                                                                                                                                                                     11 11, 11, 12, 12, 12, 12, 13, 13, 13, 13, 14, 14, 14, 14, 14, 14, 14, 15, 15, 15,
                                                                                                                                                                                                                                                                            11, 11, 11, 11, 11, 11, 12, 12, 13, 13, 13, 13, 13, 13, 13, 13, 14, 14, 14, 14, 15,
                                                                                                                                                                                                                                                                                         11_{6}11_{7}12_{2}12 \ 12_{4}12_{3}12_{6}13_{1}13_{4}13_{6}13_{9}14_{2}14_{1}14_{6}14_{3}14_{1}14_{3}14_{7}15_{2}
                                                                                                                                                                                                                                                                                                 11,11,11,12,12,12,12,13,13,13,13,14,14,14,14,14,14,14,14
                                                                                                                                                                                                                                                                                                              11,11,12,12,13,13,13,13,13,14,14,14,15,15,14,15,14,
                                                                                                                                                                                                                                                                                                                            12,12,12,13 13,13,13,14 14,14,14,15 15 15
                                                                                                                                                                                                                                                                                                                                         12,12,12,12,13,13,13,14,14,15,15,
                                                                                                                                                                                                                                                                                                                                                              12 12,13 13,13,14,14,14,15,15
                                                                                                                                                                                                                                                                                                                                                                     12, 12, 12, 13, 13, 14, 14, 14, 1
                                                                                                                                                                                                                                                                                                                                                                                    13,13,13,14,14,15,
                                                                                                                                                                                                                                                                                                                                                                                                        14-14-15-1
```