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

NOTICE DATE: September 16<sup>th</sup>, 2019 DREDGING CATEGORY: Imminent

MEETING DATE: If requested MEETING TIME:

BOAT REQUIREMENT: MEETING LOCATION:

DREDGE CUT NAME: Blacksmith Slough RIVER MILE: 718.9 – 719.3

## HISTORIC DATA

Frequency: 19% Avg. Quantity/Job: 18,606 yd<sup>3</sup> Last Date Dredged: September 18<sup>th</sup>, 2018 Avg. Quantity/Year: 3,607 yd<sup>3</sup>

#### **SURVEY DATA**

Date Surveyed: September 10<sup>th</sup>, 2019 Water Surface Elevation: 644.4 Low Control Pool Elevation: 644.2

Net Difference: +0.2'

5-Day River Forecast: Slow Increase

#### DREDGING DATA

Recommended Channel Width: 300 feet Recommended Dredging Depth: 12 feet

Estimated Quantity: 23,263 yd<sup>3</sup>

Type of Dredge: Contract Mechanical Plant 1 Actual Dredging Date: September 16<sup>th</sup>, 2019

Estimated Duration: 12 dredging days

Justification for Dredging: The navigation channel is reduced to 220' between the 9.0'

contours and 120' between the 10.5' contours.

### MATERIAL PLACEMENT DATA

Proposed Placement Site: Winona Technology Park and Homer

Location: 6-722.9-RMP and 6-720.5-RMP

Site Characteristics: Winona Technology Park is a site provided by the Winona Port Authority. The Winona Port Authority has obtained all necessary permits for this action. The East End Boat Harbor (RM 723.6) is the offload site and material is trucked to

Technology Park.

Homer is a historically used beneficial use placement site.

Our hope is to only use Winona Technology Park but Homer is listed here in case the water comes up too high to offload at the East End Boat Harbor.

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

Pool 6, Blacksmith Slough River Mile: 718.9 - 719.3 CUT-1 Surveyed: September 10th, 2019 Scale: 1" = 200' 11<sub>8</sub>11<sub>9</sub>11<sub>4</sub>11<sub>1</sub>12<sub>1</sub>14<sub>8</sub>13<sub>9</sub>13 12<sub>9</sub>13 12<sub>8</sub>12<sub>6</sub>14<sub>5</sub> 1<sub>8</sub>11<sub>1</sub>11 11<sub>1</sub>11<sub>8</sub>11<sub>7</sub>11<sub>1</sub>10<sub>6</sub>14<sub>6</sub>14<sub>2</sub>12<sub>8</sub>12<sub>4</sub>12<sub>4</sub>12<sub>3</sub>12<sub>3</sub>13<sub>3</sub> 9<sub>5</sub> 1/1<sub>5</sub>11<sub>5</sub>10 (10<sub>2</sub>10 10<sub>3</sub> 9<sub>7</sub>)11<sub>6</sub>10 (10 9<sub>6</sub>) 2<sub>1</sub>11<sub>8</sub>10<sub>9</sub>70<sub>4</sub>10 10<sub>2</sub> 9<sub>4</sub>12<sub>1</sub>11<sub>5</sub>0<sub>3</sub> 9<sub>5</sub> 9  $12_{2}11_{9}11_{5}10_{2}10_{2}9_{9}9_{8}12_{2}11_{3}1_{9}69_{9}9_{6}11_{5}10_{2}9_{6}9_{9}$ 14<sub>2</sub>13<sub>4</sub>12<sub>8</sub>12<sub>3</sub>11<sub>6</sub>10<mark>{10</mark>312<sub>6</sub>11<sub>6</sub>1  $14_213_513_512_611_510_811_612_111_21_6$ 13<sub>8</sub>13 13<sub>1</sub>12<sub>8</sub>11<sub>9</sub>11<sub>5</sub>13<sub>1</sub>12<sub>1</sub>11<sub>1</sub>1  $13_813_212_112_113_112_612_111_613_{111}^{1}1_610_10_{10}_{6}_{9}\\ 9_813_612_511_613_{11}^{1}1_{10}_{10}^{1}1_{11}^{1}1_{10}^{1}1_{11}$ 13<sub>8</sub>13<sub>3</sub>12<sub>2</sub>12<sub>5</sub>12<sub>2</sub>13<sub>7</sub>12<sub>8</sub>12<sub>6</sub>13<sub>2</sub>12<sub>2</sub>11<sub>7</sub>11<sub>6</sub>11<sub>9</sub>12<sub>5</sub>12<sub>9</sub>12<sub>2</sub>12 12<sub>3</sub>12<sub>4</sub>12<sub>5</sub> 13<sub>4</sub>13<sub>6</sub>12<sub>6</sub>12<sub>5</sub>12<sub>5</sub>13<sub>5</sub>12<sub>7</sub>12<sub>7</sub>12<sub>9</sub>12<sub>4</sub>12<sub>1</sub>11<sub>8</sub>12<sub>1</sub>12<sub>6</sub>12<sub>6</sub>12<sub>5</sub>12<sub>5</sub>12 12<sub>5</sub>11<sub>8</sub>11<sub>8</sub>11<sub>5</sub>11<sub>7</sub>11<sub>5</sub>11 10<sub>8</sub>2 13<sub>3</sub>13<sub>2</sub>13<sub>1</sub>12<sub>8</sub>12<sub>5</sub>12<sub>7</sub>12<sub>9</sub>12<sub>6</sub>12<sub>5</sub>12<sub>4</sub>11<sub>9</sub>11<sub>8</sub>12<sub>4</sub>12<u>12 12</u> 13<sub>4</sub>12<sub>5</sub>12<sub>6</sub>12<sub>7</sub>12<sub>3</sub>12<sub>2</sub>13 12<sub>3</sub>12<sub>5</sub>12<sub>3</sub>11<sub>9</sub>11 12<sub>4</sub>11<sub>9</sub>11<sub>8</sub>11<sub>8</sub>11<sub>4</sub>10 13<sub>2</sub>12<sub>5</sub>12 12<sub>1</sub>12<sub>2</sub>11<sub>7</sub>12 11<sub>9</sub>12<sub>4</sub>12<sub>3</sub>11<sub>7</sub>11 CUT-2 RR Mile 302

Blacksmith Slough Lt. (71  $16_{7}14_{9}15_{4}16_{8}17 - 18_{5}17_{6}17_{5}17_{8}18_{4}18_{8}22_{1}22_{1}21_{8}21_{1}91_{9}23_{4}25_{4}25_{6}24_{6}23_{4}23_{1}23_{7}23_{3}22_{3}24_{5}27_{1}24_{5}24_{3}24_{2}24_{6}24_{1}23_{8}23_{2}22_{5}22_{6}23_{3}23_{3}22_{3}24_{2}1_{5}21_{9}22_{3}22_{3}23_{1}23_{1}22_{1}24_{1}$  $1_{1}_{9}11_{4}11_{1}12_{1}14_{8}13_{9}13 \quad 12_{9}13_{-}12_{6}14_{5}14_{5}14_{5}14_{5}14_{5}14_{5}14_{5}15_{2}17_{1}17_{2}17_{6}18_{6}19_{8}21_{8}21_{2}12_{2}12_{2}1_{2}21_$  $13_{1}11_{1}0_{7}10_{3}10_{1}10_{2}10_{3}10_{3}10_{4}11_{6}11_{1}11_{1}11_{1}11_{7}11_{6}15_{8}14_{5}13_{3}14_{1}15_{4}16_{7}16_{2}16_{1}15_{6}15_{6}16_{1}16_{7}18_{9}21_{3}20_{9}23_{5}21_{9}20_{6}19_{6}19_{6}22_{1}20_{9}20_{1}22_{8}23_{2}22_{2}23_{2}23_{5}25_{2}25_{2}24_{5}23_{2}27_{2}26_{1}24_{7}23_{2}22_{2}24_{2}23_{2}22_{2}24_{5}23_{2}22_{2}24_{5}23_{5}25_{2}24_{5}23_{5}25_{2}24_{5}23_{5}25_{2}24_{5}23_{5}23_{5}25_{2}24_{5}23_{5$ 10, 10, 12 10, 10, 9, 9 2 12,10,10,10 9, 9, 9, 9, 9,  $12_{1}16_{1}214_{3}13_{3}13_{4}13_{3}13_{3}13_{8}15_{9}14_{7}14_{4}14_{4}14_{8}15_{4}18_{8}17_{8}16_{8}16_{9}20_{6}19_{3}18_{7}18_{6}18_{4}21_{7}20_{5}19_{7}19_{6}21\\ 21_{5}21_{6}25_{2}24_{8}24_{5}23_{9}23_{2}23_{2}23_{5}25\\ 24_{2}23_{7}27_{3}27_{9}26_{1}21_{1}2$  $12^{11}_{8}12^{11}_{9}12^{11}_{9}11^{11}_{9}11^{11}_{9}11^{11}_{8}11^{11}_{$  $\frac{1}{3}11_{6}11_{9}11_{4}11_{1}11_{1}12_{2}11_{3}11_{2}11_{5}11_{3}11_{6}10_{9}11_{2}12_{2}11_{6}11_{4}13}{11_{2}11_{6}11_{4}13}{11_{9}11_{5}11_{5}11_{5}12_{6}11_{6}11_{2}11_{7}11_{8}10_{9}11_{2}11_{8}10_{9}11_{7}13_{1}12_{1}12_{1}1_{3}12_{2}11_{9}12_{4}11_{9}12_{2}11_{9}12_{4}1_{9}12_{2}11_{6}11_{2}11_{7}13_{7}11_$ 711<sub>5</sub>10**619**311<sub>5</sub>10511<sub>7</sub>12812 11<sub>6</sub>12<sub>1</sub>11<sub>5</sub>1 212311<sub>3</sub>10<sub>9</sub>11<sub>1</sub>11110311<sub>4</sub>11<sub>4</sub>11<sub>5</sub>11811<sub>9</sub>1 11<sub>9</sub>11/10<sub>3</sub>10/10<sub>9</sub>11 10,10,10,1 **7**3<sub>7</sub>12<sub>8</sub>12<sub>7</sub>13<sub>6</sub>13<sub>3</sub>13 13<sub>3</sub>13<sub>4</sub>12<sub>8</sub>11<sub>9</sub>12<sub>4</sub>13<sub>8</sub>15 15<sub>3</sub>15<sub>2</sub>14, 0112108108103 99 98 111811 91 3<sub>4</sub>12<sub>6</sub>12 12<sub>2</sub>13<sub>2</sub>13 12<sub>8</sub>12<sub>8</sub>12<sub>5</sub>11<sub>9</sub>11<sub>6</sub>12<sub>2</sub>13<sub>6</sub>14<sub>2</sub>14<sub>6</sub>13  $9\sqrt{10}/11_510_910_210_210_340_510_29_69_811_2/0_410_310_310_7109_59_7$  $1_811_611_211_311_712_312 \ 11_712_211_611_111_211_812_713_513$ 9<sub>6</sub> 10 11<sub>4</sub>11<sub>2</sub>11<sub>3</sub>11<sub>1</sub>10<sub>9</sub>11<sub>7</sub>11<sub>3</sub>11<sub>5</sub>11<sub>6</sub>11 10<sub>8</sub>10<sub>9</sub>11<sub>4</sub>12<sub>1</sub>12<sub>1</sub> 95 9 92 93 8 87 83 8 CUT-3