821,000 3,171,000 819,000 818,000 3,172,000 817,000 816,000 3,173,000 815,000

3,170,000 3,169,000 3,168,000 3,167,000 3,166,000 814,000 3,171,000 3,172,000 3,170,000

RR Collision and Trackbed Erosion Risk

753 752

27 26 29 77 76 30 31 71 71

819,000 818,000 3,167,000 816,000 815,000 3,168,000 814,000 813,000 3,169,000

US Army Corps of Engineers District: CEMVP

N E S W

DISCLAIMER
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U.S. ARMY CORPS OF ENGINEERS
ST PAUL DISTRICT

Recommended: Al VanGuilder, Survey Section Chief

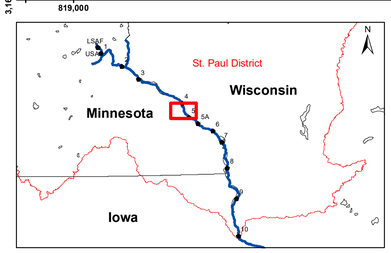
Approved: Robert Stanick, Operations Manager

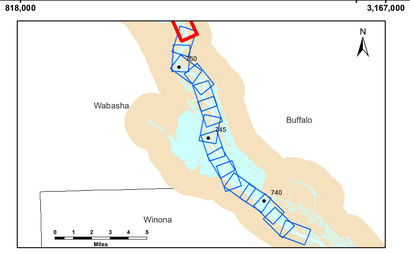
Horizontal Coordinate System:
North American Datum 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Minnesota South International Foot.

Vertical Datum:
North American Vertical Datum of 1988 (NAVD 88 Geoid 18) International Foot.

Note: Survey data was collected using a combination of single beam and multi-beam echosounders. Bottom coverage at the time of survey may not be considered 100 percent. Bottom features may change between surveys. Dredging may be required for navigation.

The location of navigation aids depicted in this map are based on buoys placed by the U.S. Coast Guard.





Contour Lines
Depth
- 0.0 - 9.0
- >9.0 - 10.5
- >10.5- 100.0

Navigation Lights
- Green
- Red

Navigation Symbols
- Green Buoy
- Red Buoy
- Snag
- Submerged Pipeline
- Submerged Cable

Reach Name : L&D 4 Lower Scour

Water Elevation : 660.5
Low Control Pool : 659.6
Water Surface : +0.9
Survey Vessel : Launch_23

Project :UM_SP_P05_20220714_OT_7526_7528
Pool : POOL_05_UPPER_MISSISSIPPI
Survey Date : 14 July 2022

Feet
0 400 800 1,200 1,600 2,000

Sheet Reference Number
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