

USACE – ST PAUL DISTRICT CHANNELS & HARBORS PROJECT

Presentation for

WEDA – Midwest Chapter

By Bob Stanick
Chief, Channels and Harbors

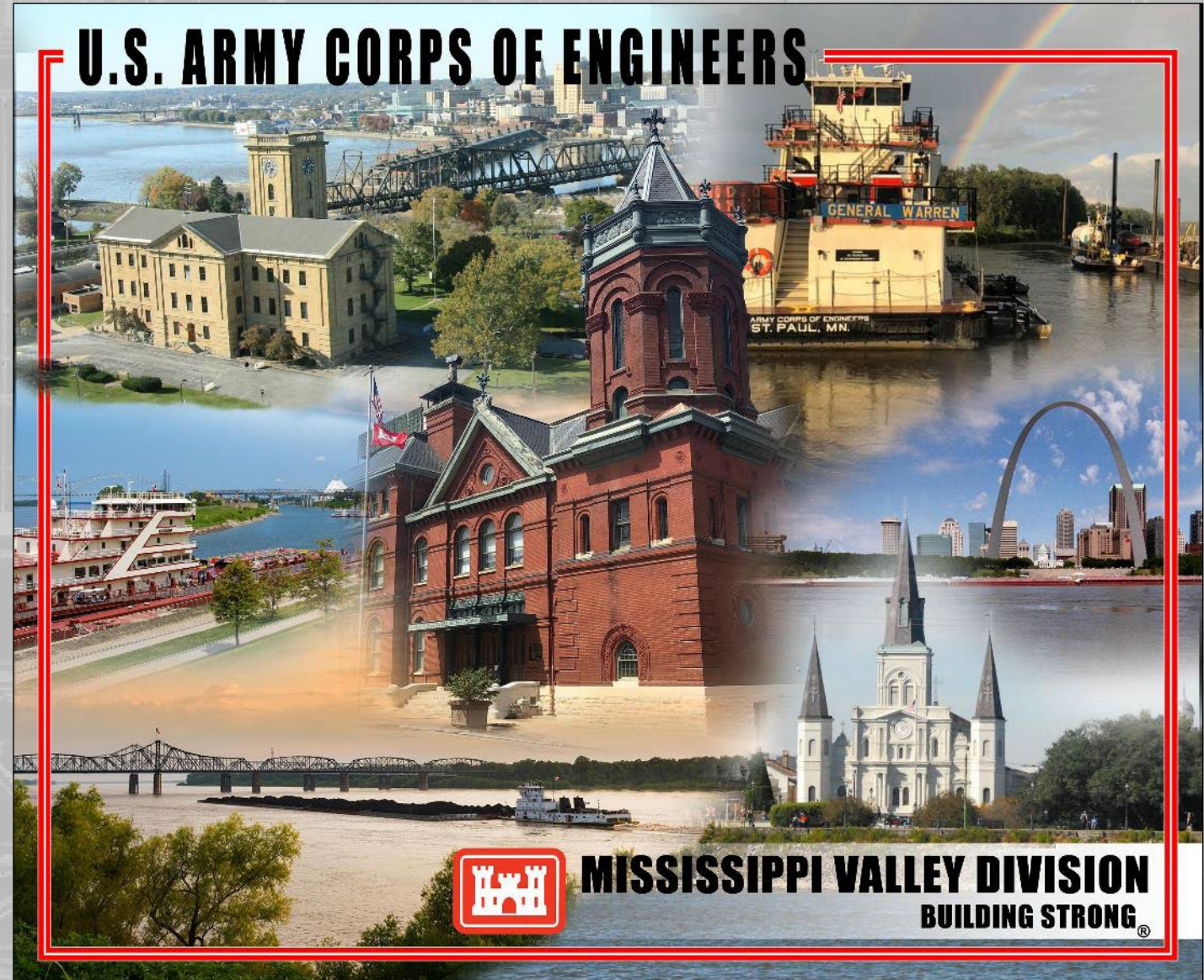
22 February 2023



US Army Corps
of Engineers®



BUILDING STRONG®





OUTLINE



- St. Paul District
- 2022 Channel Activates
- Dredge Plants
- 2023 Projects



BUILDING STRONG®

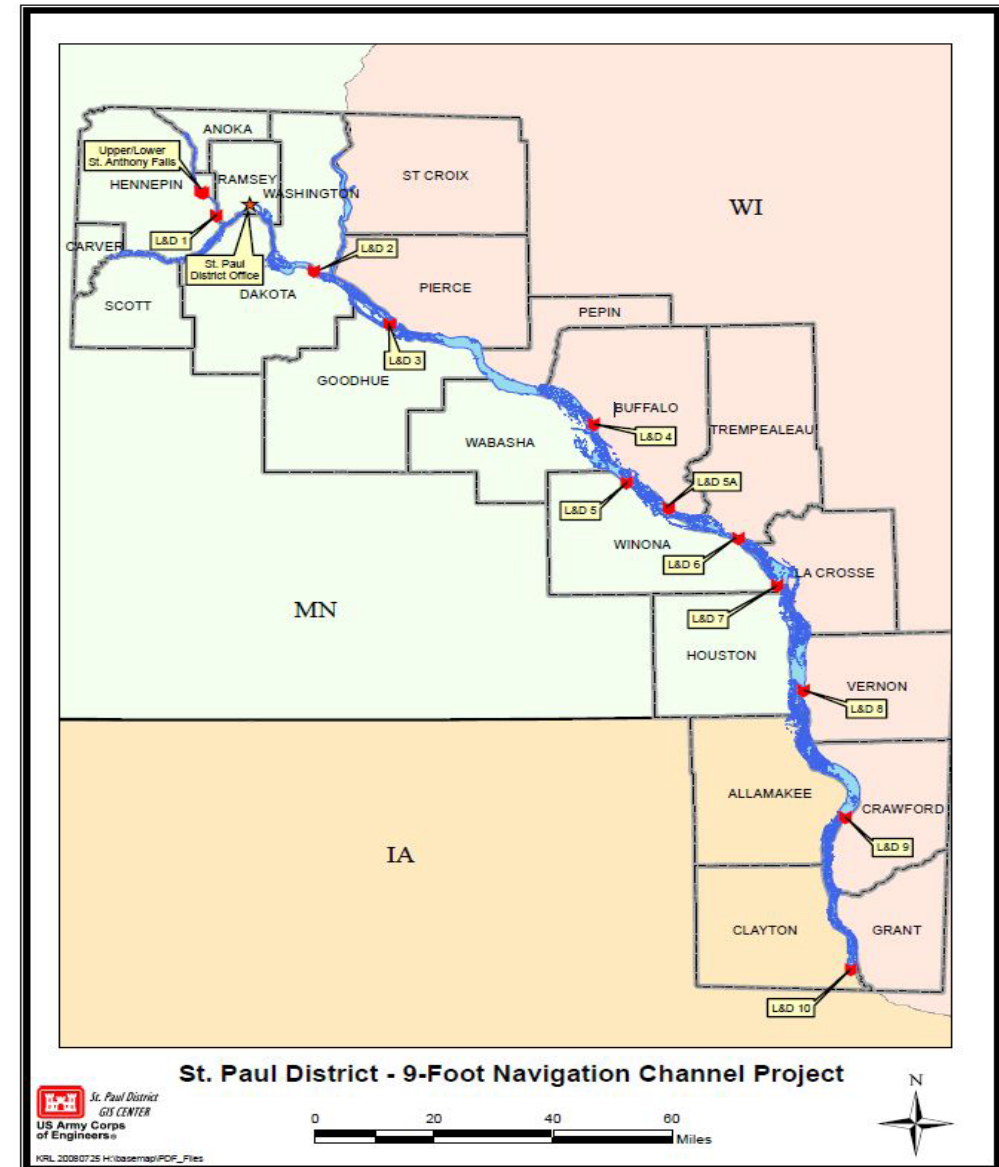


ST. PAUL DISTRICT NAVIGATION

3



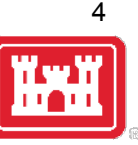
- 284 Miles of 9-foot navigation
Includes Mississippi, Minnesota, St. Croix and Black Rivers
- 14 harbors on the Mississippi
11 Recreation Harbors
3 Commercial Harbors
- 4 harbors on Lake of the Woods
on the Minnesota / Canada Border



BUILDING STRONG®



CHANNELS & HARBORS STAFF



Robert Stanick Chief, Channels & Harbors

Dan Cottrell Dredging Manager

- * Channel & Harbor Management
- * Dredge Cut Layout

Paul Machajewski Dredged Material Manager

- * Long-term Placement Site Planning
- * Placement Site Excavations

Dan DeVaney Channel Maintenance Coordinator

- * Placement Site Implementation/Management
- * Beneficial Use Coordination

Al VanGuilder Chief, Hydro-Survey Unit

- * Hydrographic Surveys
- * Topographic Surveys



BUILDING STRONG®

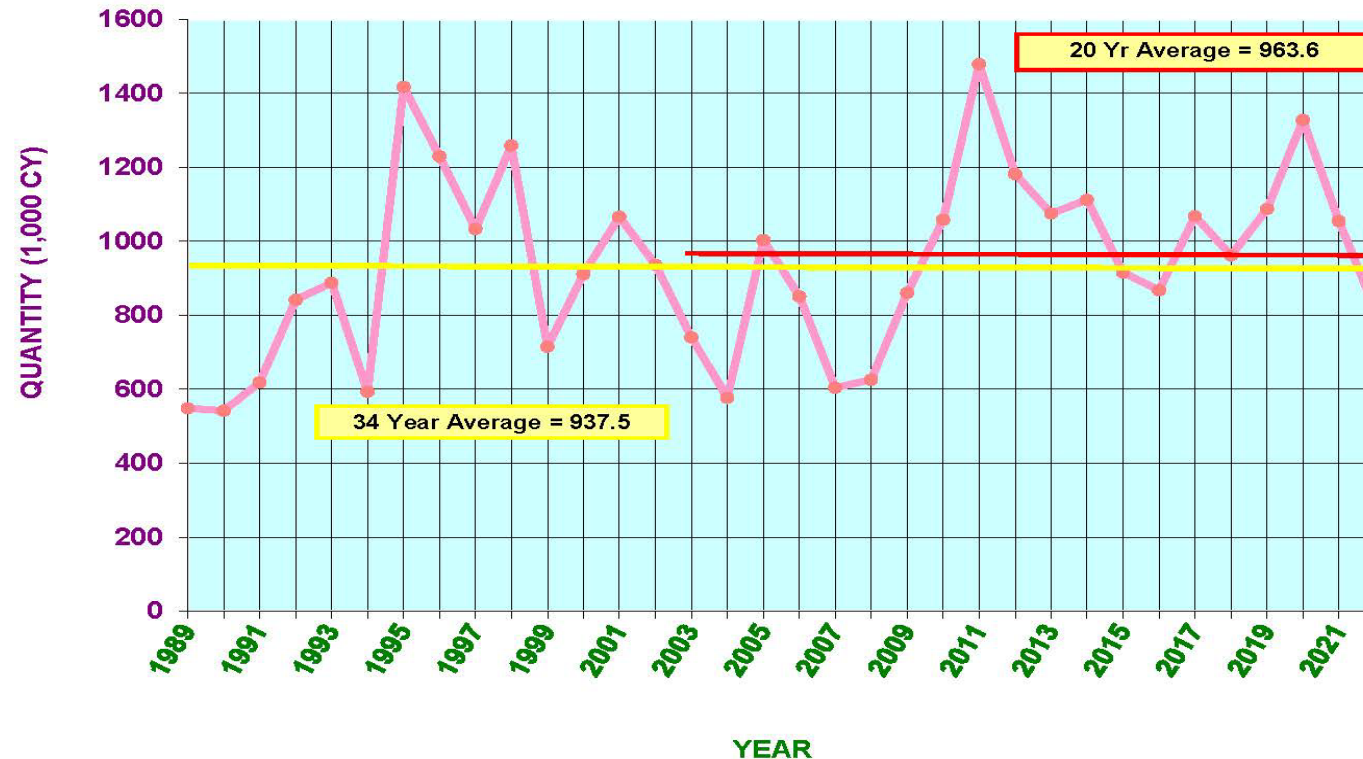


2022 CHANNEL ACTIVITIES

YEAR	QUANTITY (1,000 CY)
1989	548.6
1990	542.0
1991	618.1
1992	841.5
1993	888.0
1994	593.2
1995	1,417.4
1996	1,230.0
1997	1,033.9
1998	1,258.9
1999	715.3
2000	911.9
2001	1,066.5
2002	936.3
2003	740.2
2004	577.0
2005	1,003.2
2006	851.1
2007	604.1
2008	625.7
2009	860.9
2010	1,058.8
2011	1,479.0
2012	1,182.1
2013	1,075.2
2014	1,112.3
2015	915.5
2016	867.8
2017	1068.1
2018	962.2
2019	1,087.7
2020	1,328.2
2021	1,055.2
2022	818.1

Average 937.5
20 yr Avg 963.6

Total Dredge Quantity



BUILDING STRONG®



2022 CHANNEL ACTIVITIES

6



Dredging Season 2022:
May 4th – November 16th



Total Dredged = 818,108

Jobs = 33

33% Government 67% Contract by Job
46% Government 54% Contract by Volume



BUILDING STRONG®

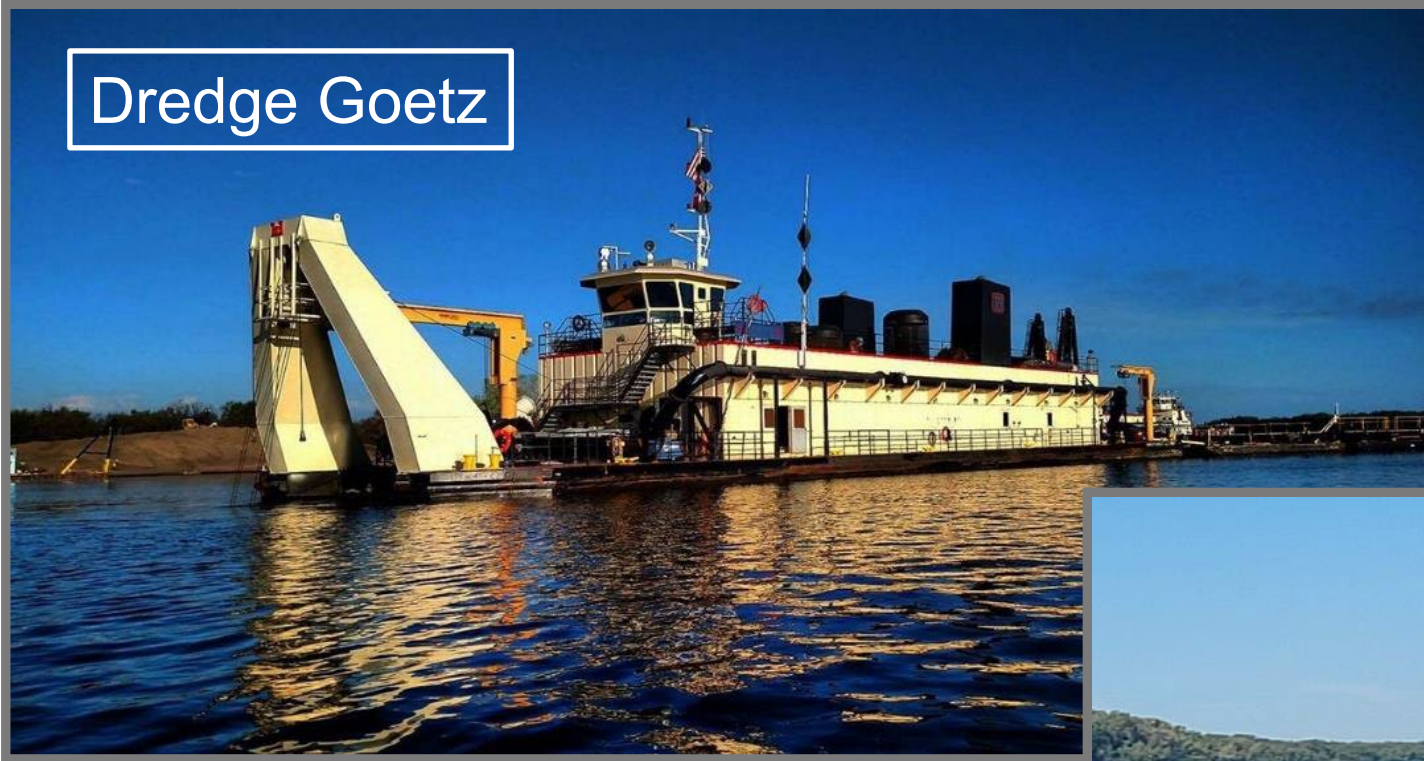


GOVERNMENT DREDGE PLANT

7



Dredge Goetz



Govt Mechanical



BUILDING STRONG®



CONTRACT DREDGE PLANT

8



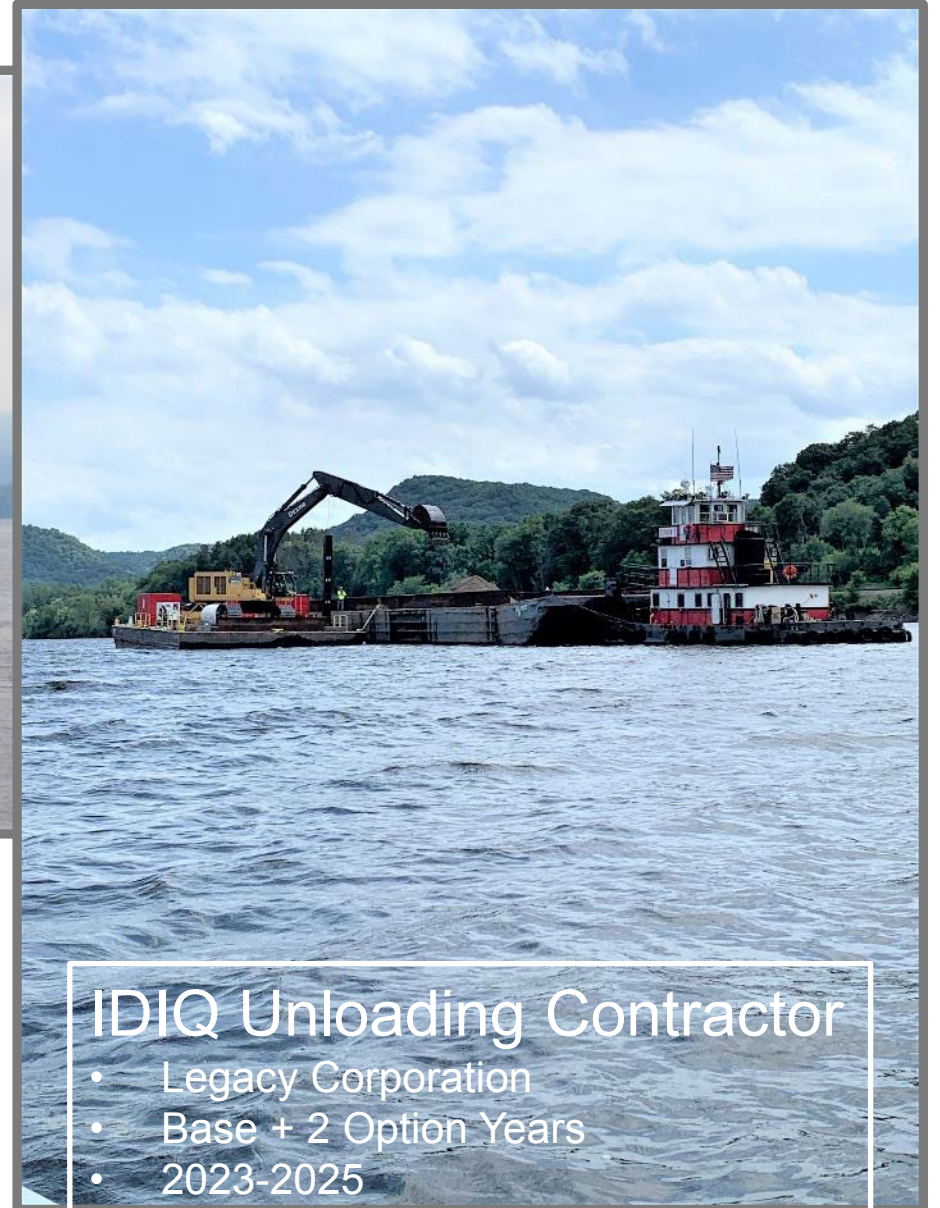
IDIQ Dredging Contractor

- LS Marine
- Base + 4 Option Years
- 2019-2023



IDIQ Unloading Contractor

- Legacy Corporation
- Base + 2 Option Years
- 2023-2025



BUILDING STRONG®



2023 CHANNEL PROJECTS



- **Dredging Related**
 - Pursue environmental review work for Wacouta Light in Upper Pool 4 and Richmond Island in Pool 7.
 - Pool 10: McGregor Lake HREP contract, option 2 has been awarded, C&H will support the dredging process with surveys, dredge cut layout for Mississippi Gardens borrow source and East Channel if needed.
- **AIS AtoNs**
 - Continue use where appropriate
- **Channel Management Study**
 - Continue Upper Pool 4 CMS: Modeling underway, expect alternatives by the end of FY 23. Plan completion by the end of FY 24.



BUILDING STRONG®



2023 PROJECTS

- **Land Acquisition for Dredged Material Placement**
 - Pool 4: Continue negotiating use and/or acquisition of ~330 acres
 - Pool 5: Continue development of Rolling Prairie site (10 acres)
 - Pool 6: Negotiating use of ~125 acres
- **Planned Placement Site Unloading**
 - Pool 2: Pigs Eye Lake Section 204 Habitat Project ~400K CY of material from Pine Bend, Upper Boulanger, and Lower Boulanger (2022-2025)
 - Pool 5 (AWN to RP) ~100K CY via Mech. Unloading Contract
 - Pool 8 (A/B Browns to Browns) ~100K CY via Mech. Unloading Contract
- **Dredged Material Management Plans**
 - Pool 2: Working Implementation
 - Pool 4: Sec 217(d) Approval & Implementation
 - Pool 6: Final Approval & Begin Implementation
 - Pool 9: Developing Alternatives (Genoa Power)
 - Pool 10: Developing Alternatives (Sediment Bypass System)



BUILDING STRONG®

The End

