

Missouri River Project

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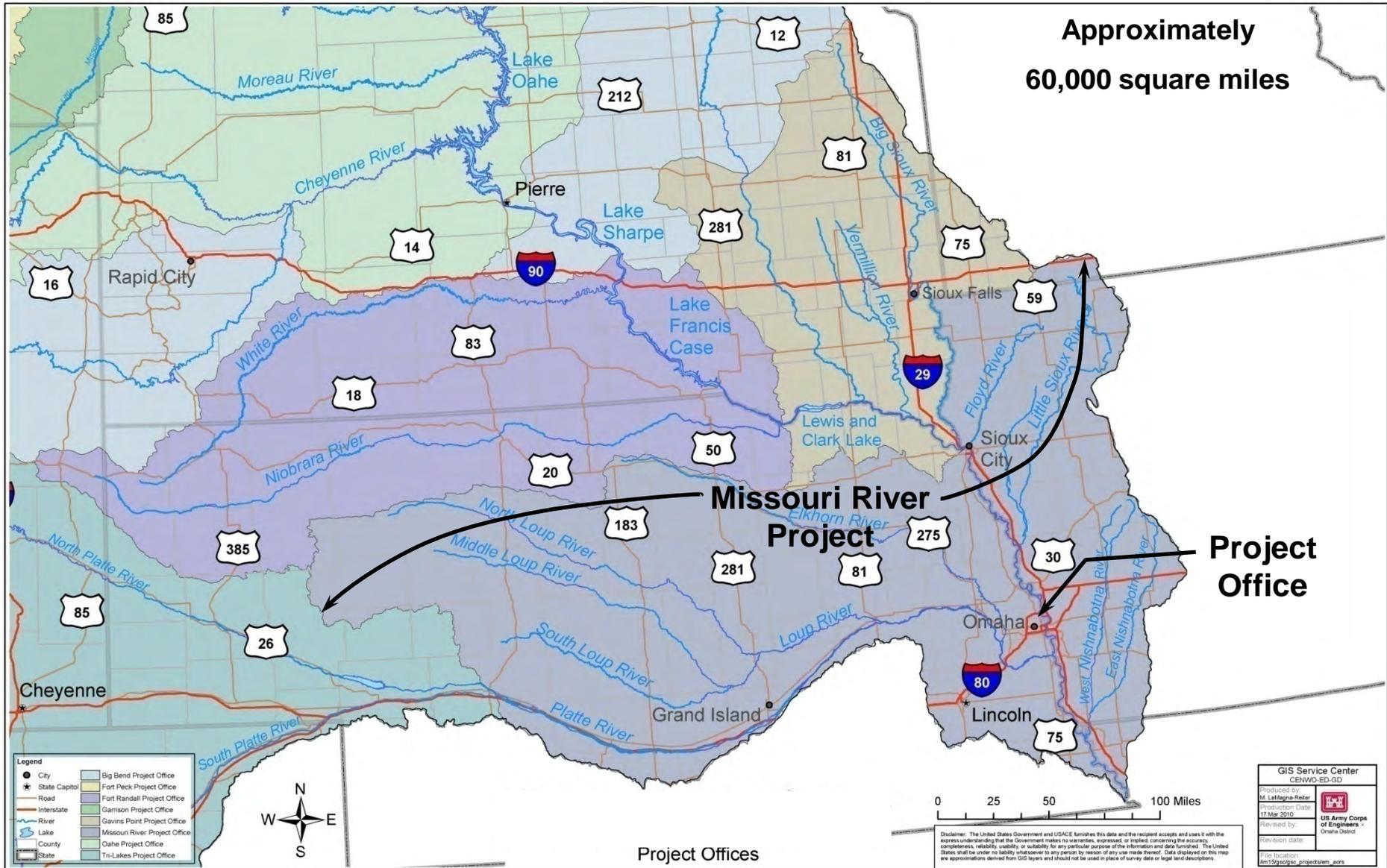
US Army Corps of Engineers
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Omaha District Civil Work Boundary



Missouri River Project Boundaries



Missouri River Project Facility



Navigation - Historical Overview

1836 - First authorized work on the Missouri River for snag removal

1882 – Corps maintenance facility established in Council Bluffs, IA

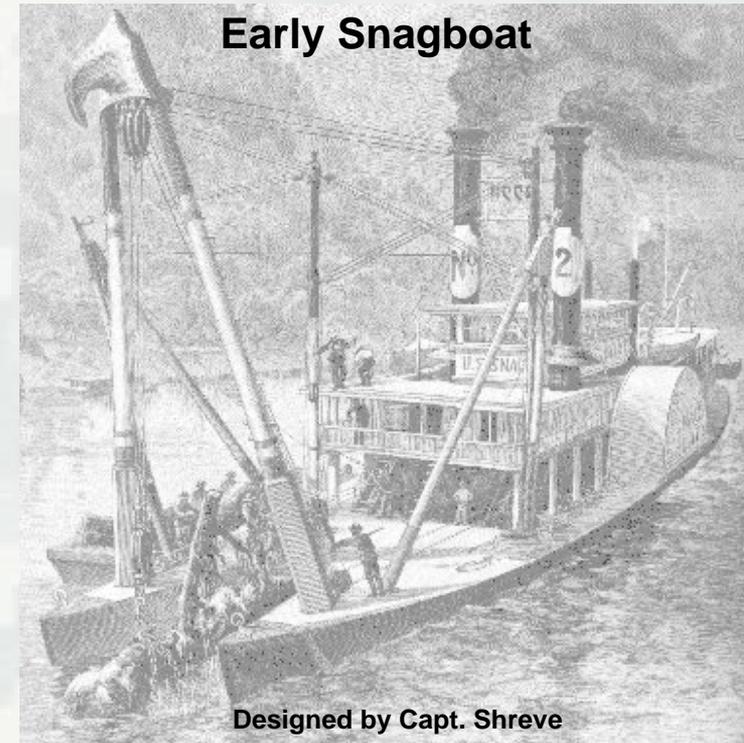
1884 - Improvement project authorized from Sioux City, IA to the mouth

Missouri River Commission (1884-1902)

1890 - Improvement project modified by systematic improvement from Jefferson City, Mo. to the mouth

1902 - Missouri River Commission abolished .

All river work from this point forward accomplished by Corps of Engineers



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Navigation - Historical Overview

U.S. Army Corps of Engineers (1902-present)

1912 - Rivers and Harbors Act (RHA) authorized a 6-foot deep navigation channel

1917 - Upstream limit of project established at river mile 386.2

1927 – RHA authorizes a 200-foot wide navigation channel

1934 - Omaha District established – maintenance facility moved to south Omaha

1937 - Omaha maintenance facility (moorings) moved to present location

1945 – RHA authorized a 9-foot deep, 300-foot wide navigation channel

1980 - Missouri River BSNP Project completed

1986 - Missouri River Mitigation Project Authorized



MV Sergeant Floyd (1956)

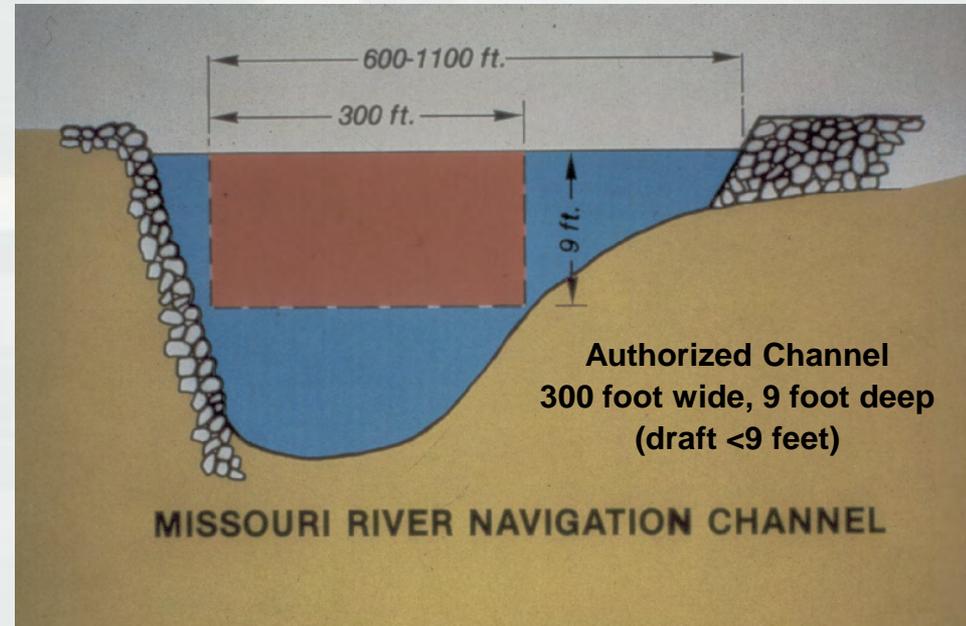
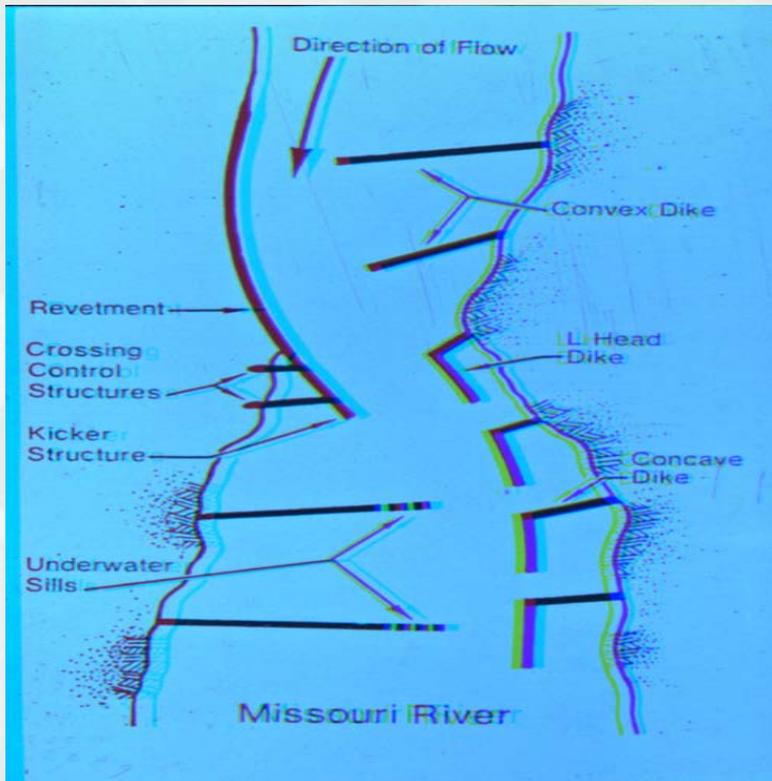


Meriwether Lewis Dredge (1940's)



Missouri River Navigation and Bank Stabilization Project

- Sioux City, IA to Rulo, NE (236 Miles)
- Construction completed 1980
- Low use waterway



- Maintenance of over 2,500 dikes, revetments, notches, chevrons, L-dikes, sills, kicker dikes, and chute closures. Very limited dredging.



Navigation

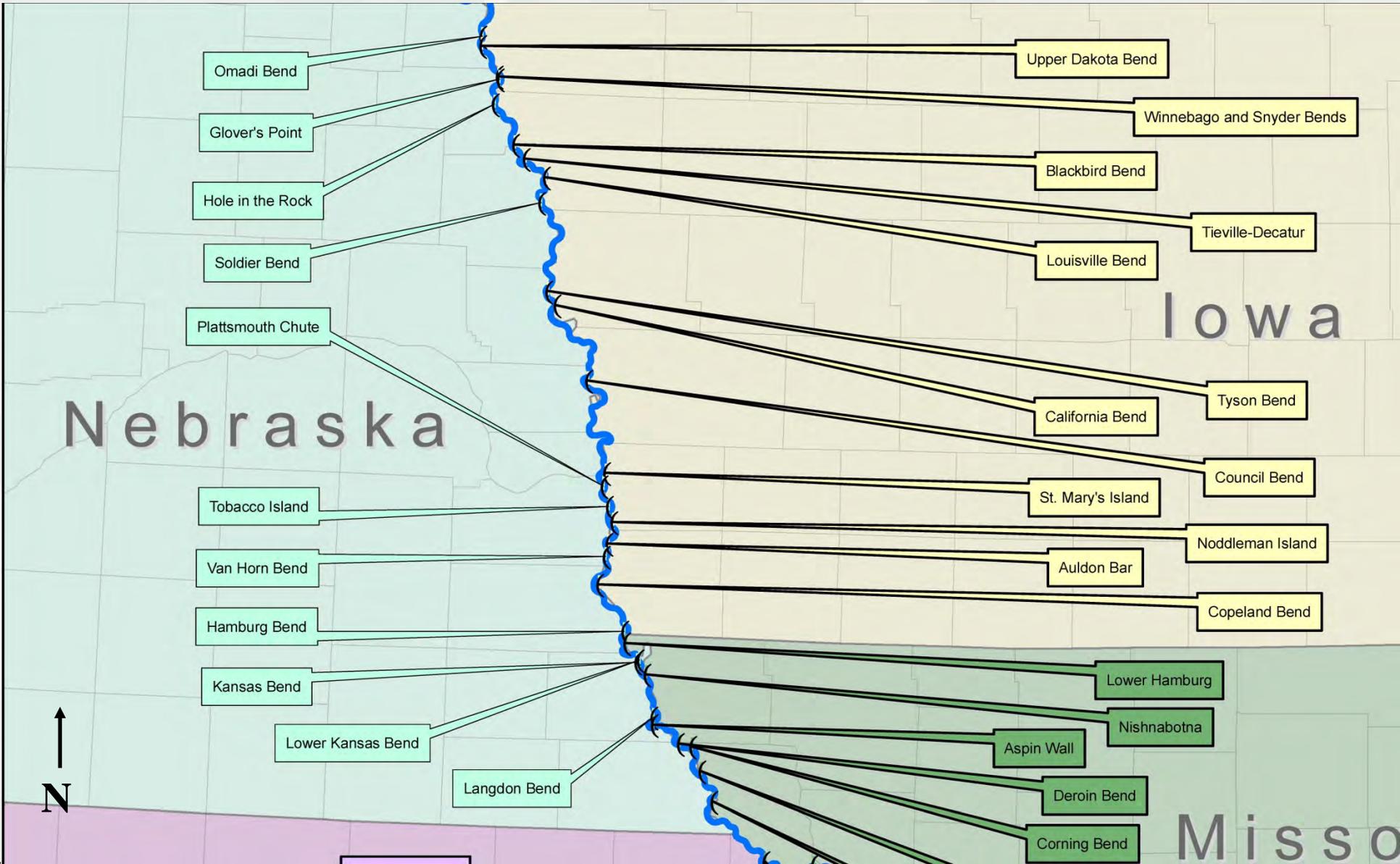
- 15K to 30K tons of riprap typically placed annually to repair degraded structures
- Record 37K tons of riprap placed during the 2009 navigation season



Hamburg Bend, MRRP Site, 2009 Inlet modification, Navigation Impacts



MRRRP - Mitigation Sites



MRRP O&M PROGRAM:

As of today 16 of 31 completed mitigation sites are transferred to O&M status.



Projected budgets for labor and construction to accomplish the management costs of existing & remaining sites are estimated to range between \$5 to \$6.2M annually.

MRRP O&M PROGRAM:

Currently, only \$1.3M has been allocated in FY17 and future annual allocations are similar.

A continued focus will be required to ensure adequate funding is available as more sites are transferred to O&M each year.





QUESTIONS

