

# Missouri River Project

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**US Army Corps of Engineers  
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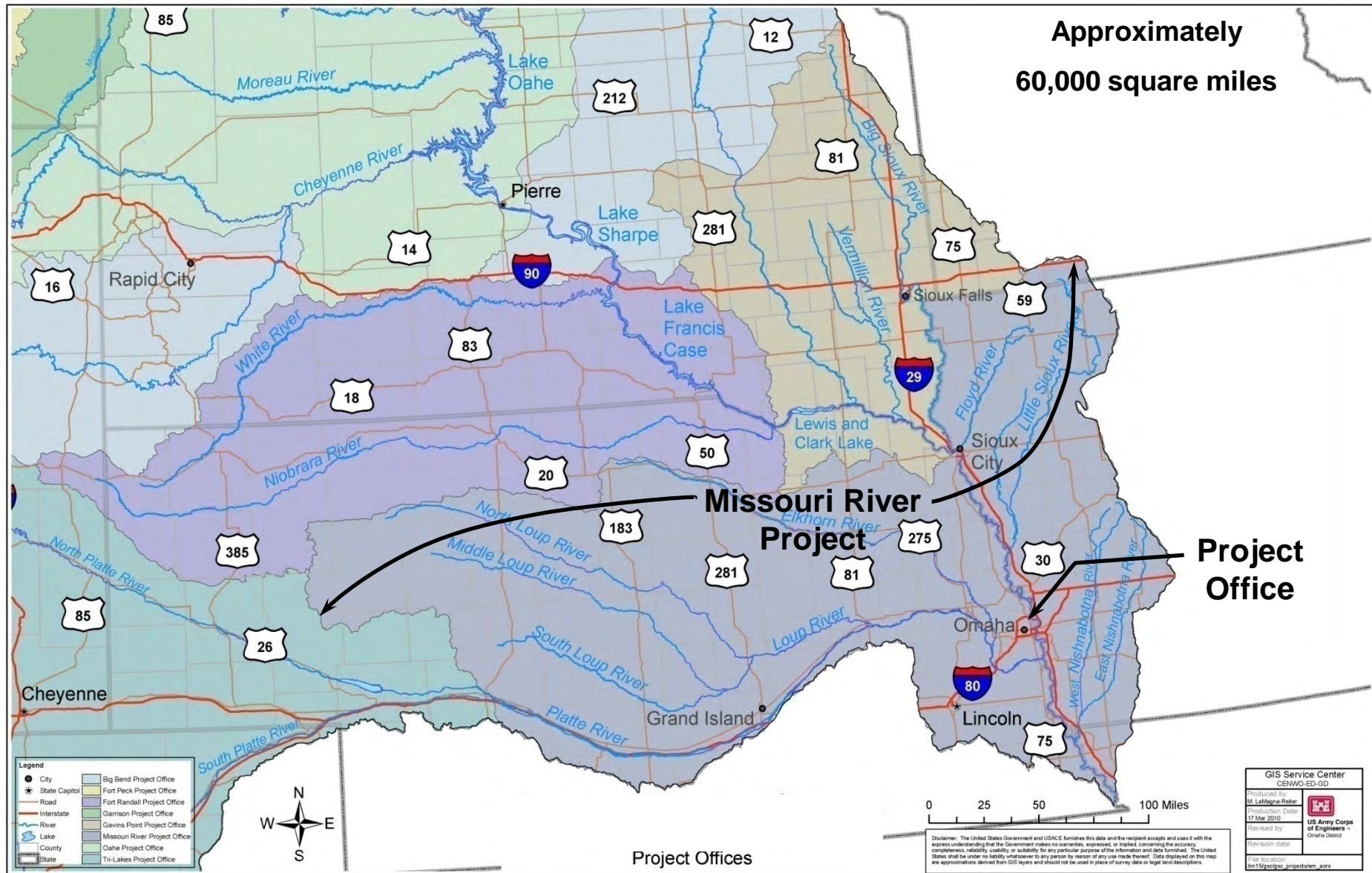


# Omaha District Civil Work Boundary





# 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

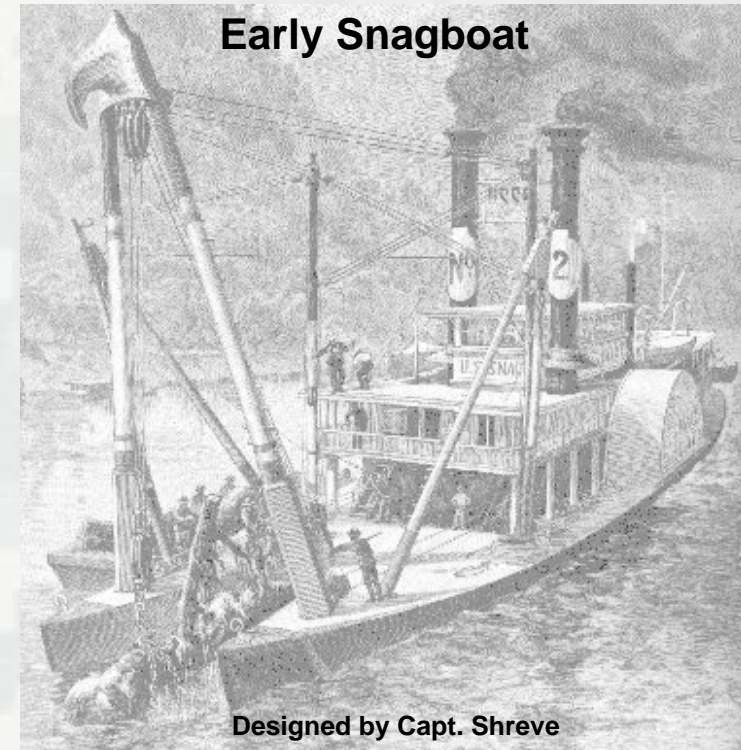
1884 - Improvement project authorized from Sioux City, IA to the mouth

## 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)**

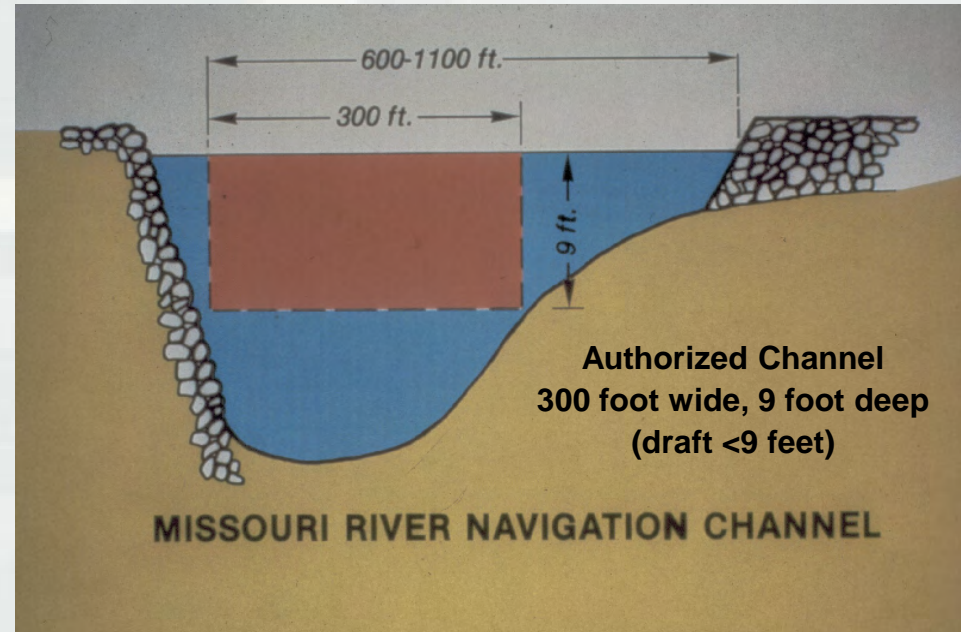
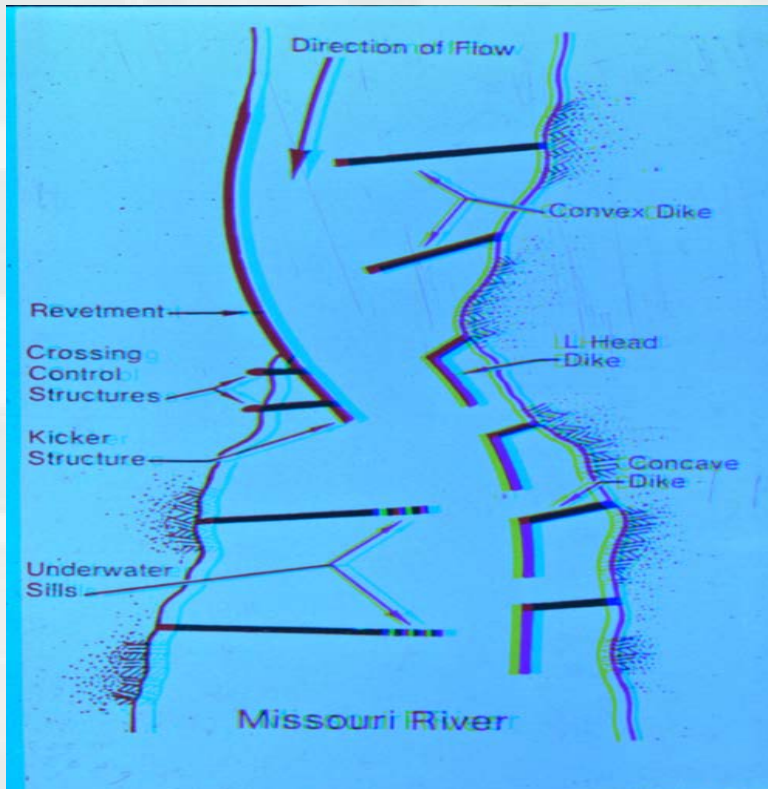


**Meriwether Lewis Dredge (1940's)**



# 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.



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# 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

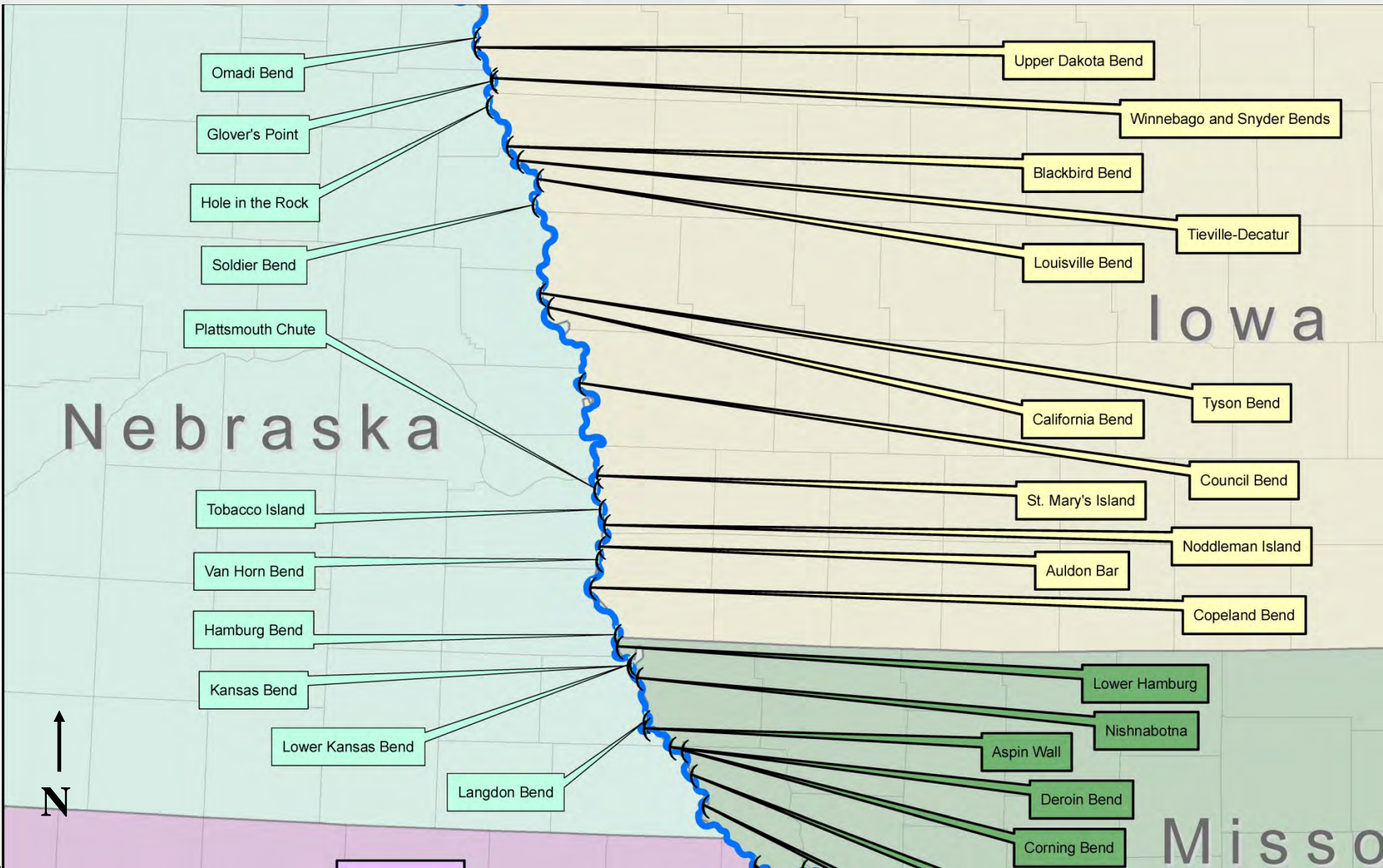


Hamburg Bend, MRRP Site, 2009 Inlet modification, Navigation Impacts





# MRRP - 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

