

15 March 1987

FACT SHEET

BANK STABILIZATION  
LOWER MINNESOTA RIVER, MINNESOTA

LOCATION: The bank stabilization site is located on the lower Minnesota River between mile markers 9 and 11 in the cities of Burnsville and Bloomington, Minnesota. The site lies within the Minnesota Valley National Wildlife Refuge.

RESOURCE PROBLEM: The banks of the river are occupied by a narrow row of large cottonwood trees that are used by wintering bald eagles and as a nesting site. The riverbanks are severely eroding because of high water and barge traffic, resulting in the accelerated loss of the large roosting trees and contributing to the sedimentation problem in the river. Continued use of the general area by bald eagles is threatened.

PROPOSED PROJECT: The proposed project would protect the riverbanks from further erosion. Riprap and other environmentally innovative protection techniques would be used to enhance both wildlife and aquatic habitats. The area may be expanded if proposed acquisition efforts are undertaken.

PROJECT OUTPUTS: The project would preserve 2 miles of wildlife and bald eagle habitat and provide more diverse aquatic habitat as a result of reduced sedimentation in the river. Project benefits would be quantified during preparation of the definite project report.

FINANCIAL DATA: The General Design phase of the project is estimated to be \$80,000 and the construction costs are estimated at \$500,000. Funding would be 100-percent Federal because the project is located on the Minnesota River National Wildlife Refuge.

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FACT SHEET

MISSISSIPPI RIVER BANK STABILIZATION  
POOLS 4 THRU 10, UPPER MISSISSIPPI RIVER, MINNESOTA AND WISCONSIN

LOCATION: River bank erosion sites are located on the Minnesota and Wisconsin sides of the Mississippi River in pools 4 through 10. Many sites lie within the Upper Mississippi River Wildlife and Fish Refuge.

RESOURCE PROBLEM: Severe erosion is occurring at many locations along the Mississippi River. The erosion is causing loss of valuable environmental habitat such as eagle nesting sites, important mussel beds, and sensitive backwater areas.

PROPOSED PROJECT: The project would include the stabilization of about 6 miles of riverbank. Nineteen priority sites were selected because of the severity of erosion occurring at the sites and the environmentally sensitive nature of the areas that would be protected. Rock riprap would probably be used for bank stabilization at most of the sites. The specific locations of the sites are listed below.

<u>POOL</u>	<u>DESCENDING BANK</u>	<u>RIVER MILE</u>	<u>LENGTH OF BANK TO BE PROTECTED (MILES)</u>
4	RIGHT	785.3	0.4
4	RIGHT	759.1	0.4
5	RIGHT	751.9	0.2
5	LEFT	750.7	0.2
5	RIGHT	749.8	0.4
5	LEFT	747.6	0.6
5	RIGHT	746.8	0.2
5	RIGHT	745.5	0.2
5	RIGHT	741.7	0.2
5A	RIGHT	735.1	0.2
7	LEFT	708.7	0.4
7	LEFT	708.3	0.2
7	RIGHT	705.1	0.2
8	RIGHT	701.2	0.2
8	LEFT	699.4	0.2
8	RIGHT	697.0	0.6
9	LEFT	678.3	0.2
9	LEFT	657.5	1.0
10	LEFT	636.4	0.2

PROJECT OUTPUTS: The project would directly reduce bank erosion along 6 miles of riverbank. This would reduce the sediment load to several side channels and large backwater areas, protect a bald eagle nesting area, and maintain the integrity of a large mussel bed. The riprap would also be beneficial to certain species of fish, such as smallmouth bass.

FINANCIAL DATA: The General Design phase of the project is estimated to be \$100,000 and construction costs are estimated at \$2,400,000. Funding would be 100-percent Federal because the project is located on the Upper Mississippi River Wildlife and Fish Refuge.