



**US Army Corps
of Engineers**®
Kansas City District

Missouri River Degradation, Kansas and Missouri

General Investigations, Section 216 of the FCA of 1970
Local Sponsor: TBD



Location & Description:

The Missouri River is exhibiting a significant degradation trend, the most severe being in the Kansas City reach between river miles 340 and 400, but also at other locations.

Problem & Need: There has been a severe down cutting of the River bottom occurring over a 60 year period at Kansas City which appears to have worsened in recent years. Known as degradation, this down cutting causes lateral instability to the river banks, and undermines the structures that depend on stable river banks. Degradation is also evident to a lesser extent in St. Charles, Jefferson City, St. Joseph, and Sioux City. The degradation is a direct and imminent threat to the Bank Stabilization Project and the Federal levee system. The degradation is now significantly impacting the public infrastructure of Kansas City, Missouri and Kansas including the facilities of Kansas City, Mo., Johnson Co. Water One, and the Wyandotte Co. BPU. The cost to the public utilities of relocating or protecting water intake/discharge structures has reached tens of millions of dollars and is growing. The degradation and associated bank erosion is now a severe threat to the levee system, and potentially to major bridges piers. A comprehensive investigation is needed now to evaluate the contributing causes and develop alternative solutions.

Proposed Activities for FY08: Conduct an expanded reconnaissance study to document the Federal interest, gather existing data and assess the need for additional data. Develop a plan for modeling requirements and conduct preliminary geomorphology and sediment modeling. Begin the formation of a focused team of national experts and agencies such as USGS. Conduct coordination with river stakeholders and develop a coalition of sponsoring partners for the next phase of detailed investigations and design of corrective action.

Issues and Other Information: There is broad and very strong support from both the public and private sector within states impacted. Degradation is also migrating up tributary streams undermining bridges, utility crossings, and other structures, examples are at Riverside and Parkville, MO. The problem potentially threatens the huge Federal investment placed in critical Missouri River habitat restoration. Funding in the Investigations Program is required if major modifications to the authorized projects and river features will be required. **New authority is not needed - it already exists under Sect 216 of the Flood Control Act of 1970 related to the BSNP.**



Financial Data

Study

Total Estimated Study Cost	\$ 3,000,000
Allocation for FY07	\$ 0
Budget Request for FY08	\$ 1,000,000