



# Iowa River Streambank Erosion Control Evaluation and Demonstration

U.S. ARMY CORPS OF ENGINEERS

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## Location

Iowa River, Wapello, IA

## State(s)

IA

## Congressional District(s)

IA-2

## Status

Study is complete. Final report has been prepared and distributed. Financial close out is underway..

## Description

More than twenty-five years have passed since the completion of the construction of the Iowa River at Wapello, Iowa erosion control demonstration project. This project consisted of using a combination of permeable timber jetties, erosion control mat, and Kellner Jacks, allowing for engineering scrutiny as to which erosion control measures are beneficial for future use. The jetties were designed to direct flow to the center of the channel; the jacks were placed to stabilize the toe of the sloping bank; and the erosion mat was designed to protect the bank against erosion during high flows. The Iowa River at Wapello, Iowa erosion control demonstration project Special Study is revisiting the Wapello site and performing channel surveys at the original (circa 1978 / 1980) twenty cross-sections locations. Historic aerial photos (circa 1978 / 1980) are being compared to more recent aerial photos (2005/2006) and a performance evaluation report will be written.

## Major Work Item (This Fiscal Year)

FY13. Completed technical review of modeling and mapping products. Completed and distributed final study report. Initiated financial close-out.

## Major Work Item (Next Fiscal Year)

FY 14. Complete financial close-out.

## Authority Details

FPMS Section 206 of the 1960 Flood Control Act, Special Study

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