

# Project Factsheet for: Keith Creek, Rockford, Illinois



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## Project Location Information

**Location:** Rockford, Illinois  
**River Basin(s):** Illinois  
**State(s):** IL  
**Congressional District(s):** IL-16

## Status

The reconnaissance report (905b Analysis) was completed in July 2004 and approved in September 2004. The report recommends that a feasibility study be conducted. A draft Feasibility Cost Sharing Agreement (FCSA) has been prepared and reviewed by the City of Rockford. The study has local support and the City of Rockford is willing to cost share in the preparation of a feasibility study and has appropriated City funds for Emergency Repairs of the dam. The repairs should be underway in the Spring of 2008. The dam is in poor condition and at risk of catastrophic failure.

## Description

Keith Creek is located in Winnebago County, Illinois, and has a drainage area of approximately 14.6 square miles. At least 350 homes and 50 businesses are located in the heavily developed floodplain in the City of Rockford. The lower portion of Keith Creek does not have adequate capacity to contain flood flows and is downstream of Alpine Dam, an earth fill flood control dam constructed by the City of Rockford, in 1942, under the Works Public Administration program. Alpine Dam is 48 feet tall with a 600-foot long crest and a concrete spillway 100 feet wide. The dam creates a dry reservoir with a maximum storage capacity is 2,120 acre-feet that only impounds water during high stream flows. The spillway is 61 years old and is in poor condition. The dam does not meet current Federal design standards, and does not have adequate capacity to safely pass the Probable Maximum Flood (PMF). In addition, the dam does not provide adequate flood protection for the heavily developed urban areas downstream. Property damage caused by a failure of the dam is estimated at \$37.5 million, (in 2004 dollars). At the request of the city, the Corps prepared an assessment report for Alpine Dam in 1999. The report indicated that major repairs to the spillway, low-level outlet and other ancillary structures are needed to provide for safe operation of the dam. These repairs would not address the noted design and capacity deficiencies. Under current policy, replacement or repair of the spillway would be a non-Federal cost. In the past, the Corps has not budgeted funds for improvements or modifications to non-Federal dams.

## Summarized Financial Data

	FY 2008 Reconnaissance	FY 2008 Feasibility
Federal Cost	\$100,000	\$ 908,500
Non-Federal Cost	\$0	908,500
Total Cost	\$100,000	\$1,817,000
Federal Allocations through FY 2006	\$ 98,000	\$ 0
FY 2007 Workplan Allocation	2,000	196,000
Budget Request for FY 2008	0	0
Balance to Complete After FY 2008	\$ 0	\$ 712,500

## Major Work Item (This Fiscal Year)

**FY 2007:** Complete and approve the PMP.

## Major Work Item (Next Fiscal Year)

**FY 2008:** Execute the FCSA and begin the feasibility study.

## Authority

GI - General Investigations -- Resolution of the Committee on Transportation and Infrastructure, U.S. House of Representatives, adopted May 22, 2002.

## Project Manager Information

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