

# 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. The city has reviewed and approved the Feasibility Cost Sharing Agreement (FCSA) and Project Management Plan (PMP). A Peer Review Plan (PRP) for the project has been approved. The FCSA was signed on 19 February 2008, and the Feasibility Study is underway.

As a result of the recent flooding along the North and South Branches of Keith Creek the City has requested that the Corps Feasibility Study be expanded to include the entire Keith Creek watershed and the scope of work and fee has been expanded in response to this request. In order to address specific management and development concerns within the watershed the City has retained several A/E consultants to study address these site specific issues; including a repair plan for Alpine Dam. The Corps is coordinating its study efforts with the City and its consultants.

The repair plan prepared for Apine Dam is now being reiewed by the IL DNR and DNR has opened the public comment period as part of its permitting procedure. If permitted the city intends to repair Alpine Dam to a level that will allow the dam to safely pass the 0.6 PMF. The City has allso acquired approximately 100 homes in the Churchill Park area down stream of the dam. This acquisition along with the proposed dam repairs can seriously reduce the benefits to be derived from a Corps project and could result in there being no Corpos project. The City and the Corps are evaluating this situation to detemine what direction the Feasibility Study should now take so the study produces meaningful results for the City.

## Description

Keith Creek is located in the city of Rockford, Winnebago Co., IL. It has a 14.6 square-mile drainage area. The creek downstream of Alpine Dam traverses through a heavily developed urban area and has inadequate capacity to contain flood flows. Alpine Dam is an earth fill flood control dam constructed by the Works Project Administration (WPA) for the City of Rockford in 1942, and does not meet current Federal standards. The spillway is 66 years old and is in poor condition. The dam lacks capacity to safely pass the design flood and fails to adequately protect the urban areas downstream from flooding. The estimated property damage that could be caused by a dam failure is \$37,000,000. In 2006 and again in 2007, rain covered the Keith Creek watershed, causing flooding along the S. Branch of Keith Creek. More severe flooding of Keith Creek was avoided by the city's operation of Alpine Dam.

## Summarized Financial Data

	FY 2010 Feasibility	FY 2010 PED
Federal Cost	\$908,500	\$3,250,000
Non-Federal Cost	\$908,500	\$1,080,000
Total Cost	\$1,817,000	\$4,330,000
Federal Allocations through FY 2008	\$361,000	\$0
FY 2009 Appropriation *	\$526,000	\$0
Budget Request for FY 2010		\$0

Balance to Complete After FY 2010

\$21,500

\$3,250,000

\* Continuing Resolution Authority Amount.

**Major Work Item (This Fiscal Year)**

**FY 2009:** Evaluate changes in scope to address other watershed concerns other than Alpine Dam; continue the Feasibility Study.

**Major Work Item (Next Fiscal Year)**

**FY 2010:** Continue the feasibility study and the coordination with the City and its consultants. No additional feasibility funding should be needed after FY10.

**Authority**

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

**Additional Information**

Congressman Manzullo and Senator Durbun have expressed a keen interest in the successful outcome of this study.

**Project Manager Information**

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