



**US Army Corps
of Engineers**
St. Louis District

Information Paper

Upper Joachim Floodplain Management Plan, MO

Investigations (FRM)

Location: The Upper Joachim Creek watershed (HUC12) encompasses the City of DeSoto. The city is located in the southeastern part of Missouri, approximately 45 miles south of St. Louis in Jefferson County.

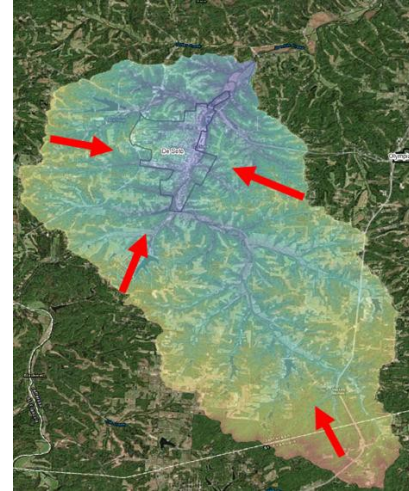
Description: An FY18 Interagency Proposal was submitted to the Institute for Water Resources in July 2017. The Proposal was selected in October 2017 and FY18 funds allocated to produce a floodplain management plan intended to serve as a blueprint that can be implemented by the City and County. The FMP will include and foster:

- Flood risk reduction strategies that are current, technically sound and considers all possible mitigation alternatives and the consequences of those alternatives.
- Prioritization of resources to reduce risk to the furthest extent and minimizes effect on natural floodplain functions.
- Public and political support for activities and projects and a constituency that wants to see the plan's recommendations implemented.

Issues: The City has historically been prone to flash flooding but has experienced an increase both in frequency and intensity in recent years with five flood events in the last four years.

Importance: The State of Missouri has had 42 flooding-related major disasters in the past 42 years. Jefferson County is specifically called out in the State Hazard Mitigation Plan as being heavily affected by flooding and has more major flooding-related disasters in the state than any other county (1975-2017).

Risk: Based on rainfall intensity, watershed size and surrounding terrain, the city has very little warning time to respond, resulting in deaths as well as impacts to critical infrastructure, personal property and disruption in emergency response.



Study area with drainage patterns

Consequence: In the absence of a Floodplain Management Plan local officials are left to make flood risk reduction decisions with inadequate or outdated information or without considering all possible mitigation alternatives.

Activities for FY 18: Initiate floodplain management planning by hosting a public scoping meeting, conducting the flood hazard and risk assessment and initiate development of mitigation strategies.

Acquisition Strategy: No contracts are anticipated

Project Sponsor/Customer: State of Missouri, Jefferson County, City of Desoto, Citizens Committee for Flood Relief, MO

Congressional Interest: Senate: Blunt and McCaskill (MO)
House: Smith (MO-8)

Phase	FY 18 Budget	FY19 Budget
Investigations	\$200,000	\$0