



**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, Missouri. Joachim Creek is a tributary to the Mississippi River.

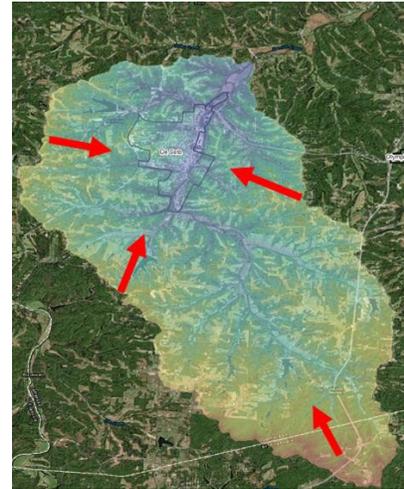
Description: This FY18 Interagency flood risk management project was selected in October 2017 and allocated funds to produce a floodplain management plan to identify, document and suggest implementation of policies, practices and measures to reduce future flood risk in the identified project area. The 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: There are 1,642 acres of Federal Emergency Management Agency mapped special flood hazard area in the watershed, most of which are located within the De Soto city limits. 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: Flooding in and around the City of De Soto requires the response and recovery efforts of Federal, State, and Jefferson County, as well as local and neighboring governments, residents and outside volunteers. When flooding occurs, the drain on human and financial resources is significant. Damages to residential, commercial and public facilities adversely impacts the community residents and the commercial businesses.

Risk: Based on rainfall intensity, watershed size and surrounding terrain, the city has very little warning time to respond. There are 128 structures that experience flooding at the 25-year recurrence with the most recent flood event occurring in April 2017.



61.2 square mile drainage area that affects De Soto, MO. Arrows identify 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 19: Complete the floodplain management planning and coordinate results with the public and elected officials.

Acquisition Strategy: No contracts are anticipated.

Activities after FY 19: After completion of the floodplain management plan it will be up to the city to adopt and implement the plan and leverage financial and technical assistance from multiple sources.

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

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

| Phase | FY 19 Budget |
|----------------|--------------|
| Investigations | \$50,000 |