

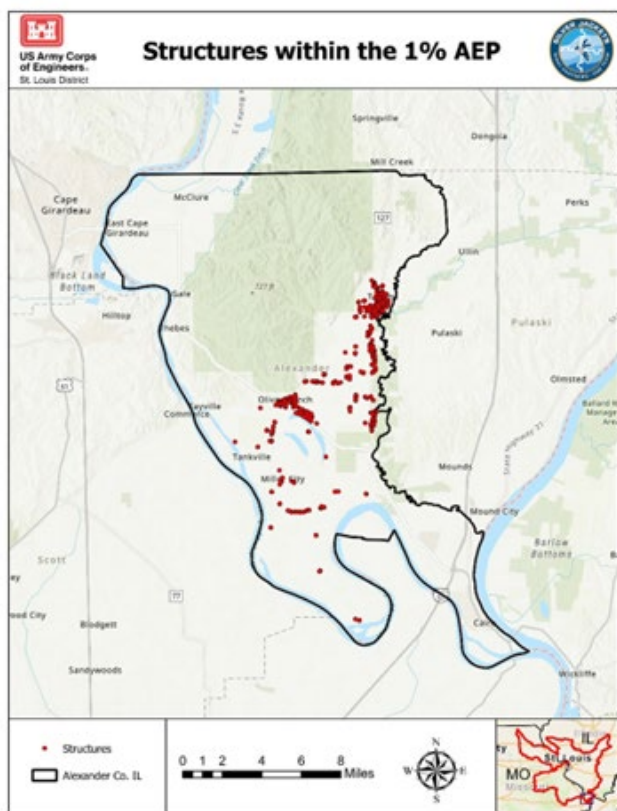


**US Army Corps
of Engineers®**
St. Louis District

Information Paper

Middle Mississippi Flood Prone Structure Inventory, Phase 3

Investigations (Flood Risk Management) – Interagency Nonstructural / Silver Jackets



Contact

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Location

The project area is in the Middle Mississippi River watershed near Alexander County, Illinois (IL).

Description

This interagency project will develop a tool to provide risk communication to a critically vulnerable County along the Mississippi River. Structural flood damage assessments will be developed using multi-frequency Flood Depth Grids. Survey data will be collected for the lowest entry point and first floor elevation for all residential, commercial, and industrial structures within the non-leveed floodplain. This information will be provided to these communities as a web-based product. While Phases 1 and 2 included other IL counties, Phase 3 identifies 170 structures impacted by a 1% AEP flood. Risk assessments would involve a flood prone structure inventory, structure characteristics, survey of first floor/low entry elevation creating a database of structure elevations in comparison with flood profiles to the 1% annual

exceedance probability flood. Final product would assist with informing counties of the low floor elevation of at-risk structures, expected flood depth based on flood profile and damage curves to assist communities in prioritizing and ranking mitigation projects. This project would add another completed component to growing statewide risk assessment database being developed and utilized by the state of Illinois via Structures at Flood Risk (SAFR) database.

Status

District Quality Control (DQC) occurred in February 2025, and pending partner review and approval, the final report and geodatabase will be transmitted in April 2025.

Importance

The objective of this interagency nonstructural project will be used to assess areas of repetitive flooding, locate individual or clusters of flood prone structures, determine which structures incur the most frequent or severe losses, evaluate mitigation measures and assist in prioritizing mitigation projects for the purpose of reducing flood risk and increasing community resiliency.

Authority

U.S. Army Corps of Engineers (USACE) Interagency Nonstructural / Silver Jackets (SJ), Section 206 of the Flood Control Act of 1960, as amended (33 U.S. Code § 709a).

Activities for FY25

Report completion, District Quality Control Review, Report Approval, and Report Transmittal.

Activities after FY25

None.

Project Partners

Illinois Dept. of Natural Resources, Illinois State Water Survey, County Floodplain Administrator.

Congressional Interest

Senate: Durbin (IL) and Duckworth (IL)
House: Bost (IL-12)

Financial

Estimated Federal cost:	\$100,000
Estimated non-Federal cost:	\$0
Total estimated cost:	\$100,000
Total Federal funding to date:	\$75,000*

*Study will be completed for \$75,000