**Location:** The communities of University City and Brentwood, Missouri consisting of 2.5 miles of an Upper River Des Peres tributary that flows through University City and 2.5 miles of Deer Creek that flows through Brentwood and drains into River des Peres.

**Description:** A Chiefs Report was signed in 1989 to implement channel modifications to improve drainage and prevent flooding of 550 structures within flood prone industrial and residential areas of University City and Brentwood. During our initial reevaluation of the study in 2004 we found that the preferred plan would induce flooding, thus making the plan unacceptable. Our preliminary hydraulic and economic evaluation results suggest that a buyout of the 5-year floodplain serves as a tentatively selected plan in University City. A floodplain buyout exceeds the authorized projects benefit to cost ratio of 1.8. The City of Brentwood desires to reduce flood heights for the 100-year event. Preliminary evaluations by the Corps indicate that a channel modification and construction of a flood storage area would be necessary to reduce flooding within the project area and points downstream. Both municipalities have sufficient funding to contribute towards their portion of the cost share.

**Issues:** Structural approaches will induce flooding outside of the University City study area, so a reevaluation focuses on a nonstructural plan with residential buyouts. Depending on the recommendation of the General Reevaluation Report (GRR), the project may need to be reauthorized by Congress before it can proceed with design and construction.

**Importance:** A September 2008 flood event resulted in two deaths and devastating flood damages. This flood event has acted as a catalyst for the development of a flood risk management strategy by the sponsors, the USACE and the Federal and State Emergency Management Agencies. Through grants administered by FEMA and Missouri SEMA, University City has received funding to buy-out 29 single family homes in the most flood prone areas where repetitive losses are most prevalent. In University City alone an additional 94 homes are subject to frequent flooding.

**Risk:** The twenty percent recurrence interval flooding continues to jeopardize life and property with the most recent event occurring in both Brentwood and University City in June 2013, resulting in evacuations.

**Consequence:** Damage to homes, businesses, road and utility infrastructure, and continued threat to human life, health and safety.

**Activities for FY 15:** None

**Acquisition Strategy:** No contracts are scheduled for award in FY15.

**Amount That Could Be Used in FY 16:** $300,000 could be used to conduct a post-authorization change analysis for the River Des Peres-Deer Creek segment and to scope, schedule and complete the GRR for the University City - Upper River Des Peres segment. Also new cost share agreements will be required with University City and the City of Brentwood.

**Project Sponsor/Customer:** University City and City of Brentwood

**Congressional Interest:** Senate: Blunt (MO), McCaskill (MO) House: Clay (MO-1)
Areas impacted by 5-, 10-, 25-, and 100-year flood events in University City, Missouri.
City of Brentwood – Deer Creek Segment