

Tucson Risk MAP Project Fact Sheet

Floodplain Management Plan

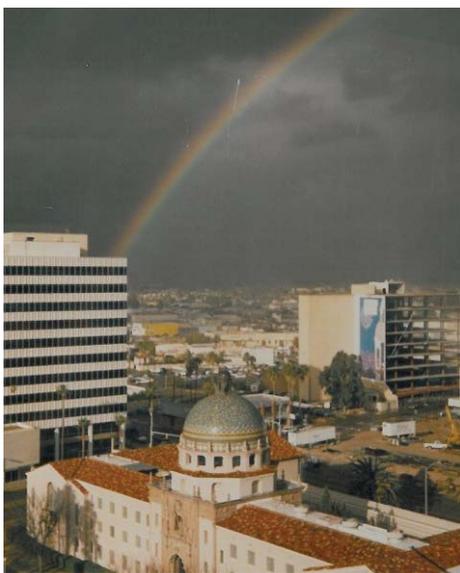
JUNE 2015

Why Tucson?

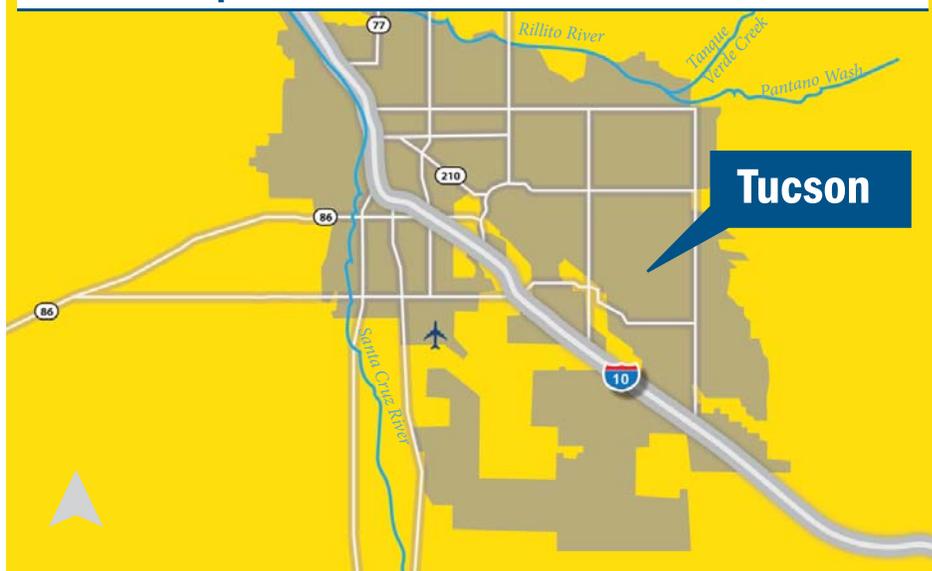
During the Discovery process for the Upper Santa Cruz watershed, several Areas of Mitigation Interest were identified within the corporate boundary of Tucson.

FEMA recognizes that Tucson, with a Class 6 Rating in the Community Rating System (CRS), has the resources and ability to further define flood risk potential and wants to support the city in developing a Floodplain Management Plan (FMP). A FMP will allow Tucson to make floodplain management decisions that consider all possible mitigation alternatives or the consequences of those alternatives and will assist Tucson with the community's efforts to improve their CRS rating.

While additional CRS credit can ultimately lead to reduced flood insurance rates, implementation of the FMP sets a course for the City to address over time. The FMP prioritizes actionable measures to reduce the risk to life and property associated with flooding and provides its constituents with an increased discount on flood insurance premiums.



Location Map



BENEFITS // A well-prepared plan will :

Facilitate an update to Tucson's stormwater master plan TSMS (Tucson Stormwater Management Study).

Identify existing and future flood-related hazards and their causes.

Ensure a comprehensive review of all possible activities and mitigation measures is conducted so that the most appropriate solutions will be implemented to address the hazard.

Ensure the recommended activities meet the goals and objectives of the community, are in coordination with land use and comprehensive planning, do not create conflicts with other activities, and are coordinated so that the costs of implementing individual activities are reduced.

Ensure the criteria used in community land use and development programs account for the hazards faced by existing and new development.

Educate residents and property owners about the hazards, loss reduction measures, and the natural and beneficial functions of floodplains.

Build public and political support for activities and projects that prevent new problems, reduce losses, and protect the natural and beneficial functions of floodplains.

Build a constituency that wants to see the plan's recommendations implemented.

Why Should Others Participate?

A planning committee is strongly recommended. By involving those who can contribute and will be most affected when the recommendations are carried out, the community will get a more realistic product that will have a much better chance of being adopted and implemented.

Possible Committee Representatives

Building department/code enforcement

Engineering

Planning and Zoning

Public Works

Emergency Management/Public Safety

Public Information

Environmental Protection

Parks and Recreation

City Manager or City Council members

Housing / community development



What Are The Deliverables?

The Floodplain Management Plan will be tailored to best serve Tucson. The general components of the plan include:

Floodplain Management Plan (FMP) - is a community-wide floodplain management plan.

Repetive Loss Area Analyses (RLAA) - is an element of the FMP that includes site-specific plans to reduce flood losses in repetitively flood areas

Natural Floodplain Functions Plan (NFP) - is an element of the FMP that addresses natural floodplain functions in the community

Flood Risk Report (FRR) - includes a project background section to describe the project purpose and methods and risk reduction practices and a project results section which could potentially include the Changes Since Last FIRM (CSLF) map, Depth and Analysis Grids, and/or Flood Risk Assessment data. The FRR will be organized by both community level and watershed level. Potential uses of this report include: update or develop hazard mitigation plans, update community comprehensive plans, update emergency operations and response plans, communicate flood risk, community outreach and education, and influence development standards.

Flood Risk Database (FRD) - houses the flood risk data developed during the course of the flood risk analysis, as well as the raw flood risk data that can be used and updated by the community. After the flood risk project is complete, this data can be used in many ways to visualize and communicate flood risk within the suite of FRPs. This information will be used to create these risk analysis products: CSLF, depth and analysis maps, Flood Risk Assessment (HAZUS), and Areas of Mitigation Interest.

Flood Risk MAP (FRM) - will be included as an exhibit in the FRR to visually promote risk awareness and contains results of Risk MAP project non-regulatory 7 datasets and promotes additional flood risk data not shown but located within the FRD.