Risk MAP
Flood Risk Products

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Risk MAP

- Opportunities for local engagement
  - Discovery Meeting
  - Resilience Meeting

- Products – Flood Risk Database
  - Changes Since Last FIRM (CRLF)
  - Flood Depth Grids - 10% (10-yr), 4% (25-yr), 2% (50-yr), 1% (100-yr), and 0.2% (500-yr) Annual Chance
  - Annual Percent Chance of Flooding Grid
  - Percent Chance of Flooding Over 30 Years Grid
  - Areas of Mitigation Interest (AMoI)
Traditional products are regulatory and subject to statutory due-process requirements

Risk MAP products are non-regulatory and are not subject to statutory due-process requirements
Flood Risk Map

- Visually Promotes Risk Awareness
  - Contains results of Risk MAP project non-regulatory datasets
  - Promotes additional flood risk data not shown but located within the Flood Risk Database
Flood Risk Database

(\textcolor{red}{red = enhanced})

**Changes Since Last FIRM**
- Horizontal Changes and Results
- Structure/Population counts impacted by change

**Depth & Analysis Grids**
- Depth (10, 04, 02, 01, 0.2 percent chance)
- Percent Annual Chance
- Percent 30-Year Grid
- Delivery of Water Surface Elevation (multi-freq)
- Water Surface Elevation Change Grid (1%)
- Velocity Grids, Annualized Depth, Top and Toe of Levee
- Multi Freq Grids for Levee and Coastal Areas, etc.

**Flood Risk Assessment**
- Average Annualized Loss – 2010
- Refined Flood Risk Assessment
- HAZUS or Non-HAZUS with improved data/assumptions

**Areas of Mitigation Interest**
- Areas of Mitigation Opportunity or Awareness
Changes Since Last FIRM

SFHA Decrease

Unchanged

Unchanged

SFHA Increase

SFHA Increase

Unchanged

Unchanged
Flood Depth Grids

- Each Grid Cell has a Unique Value

FIRM 1% Annual Chance (100-yr) Floodplain  

1% Annual Chance Depth Grid

Individual Grid Cell
10% Depth (10-Year)

1% Annual Chance
Floodplain Boundary

1.5 ft

0.0 ft
1% Depth (100-Year)

- 4.7 ft
- 0.1 ft
- 0.0 ft
0.2% Depth
(500-Year)

- 8.9 ft
- 4.3 ft
- 1.7 ft
Percent Annual Chance of Flooding

- 10% +
- 1%
- 0.4%
Percent Chance of Flooding over a 30 Year Period

- 96%
- 26%
- 11%

Legend:
- Pct30yr_Grd
  - 5.0 - 10.0%
  - 10.0 - 20.0%
  - 20.0 - 30.0%
  - 30.0 - 40.0%
  - 40.0 - 50.0%
  - 50.0 - 60.0%
  - 60.0 - 70.0%
  - 70.0 - 80.0%
  - 80.0 - 90.0%
  - 90.0%+
Areas of Mitigation Interest

- Dams
- Levee and non-levee embankments
- Areas where stream flow is constricted
- Coastal structures
- Key emergency routes overtopped during frequent flood events
- At risk critical facilities
- Past flood insurance claims hot spots
- IA and PA claims
- Areas of significant land use change (recent past and proposed)
- Areas of significant coastal or riverine erosion
- Areas of mitigation success
- Other miscellaneous flood risk or hazard mitigation related items