FEMA Region 6 Mapping Update

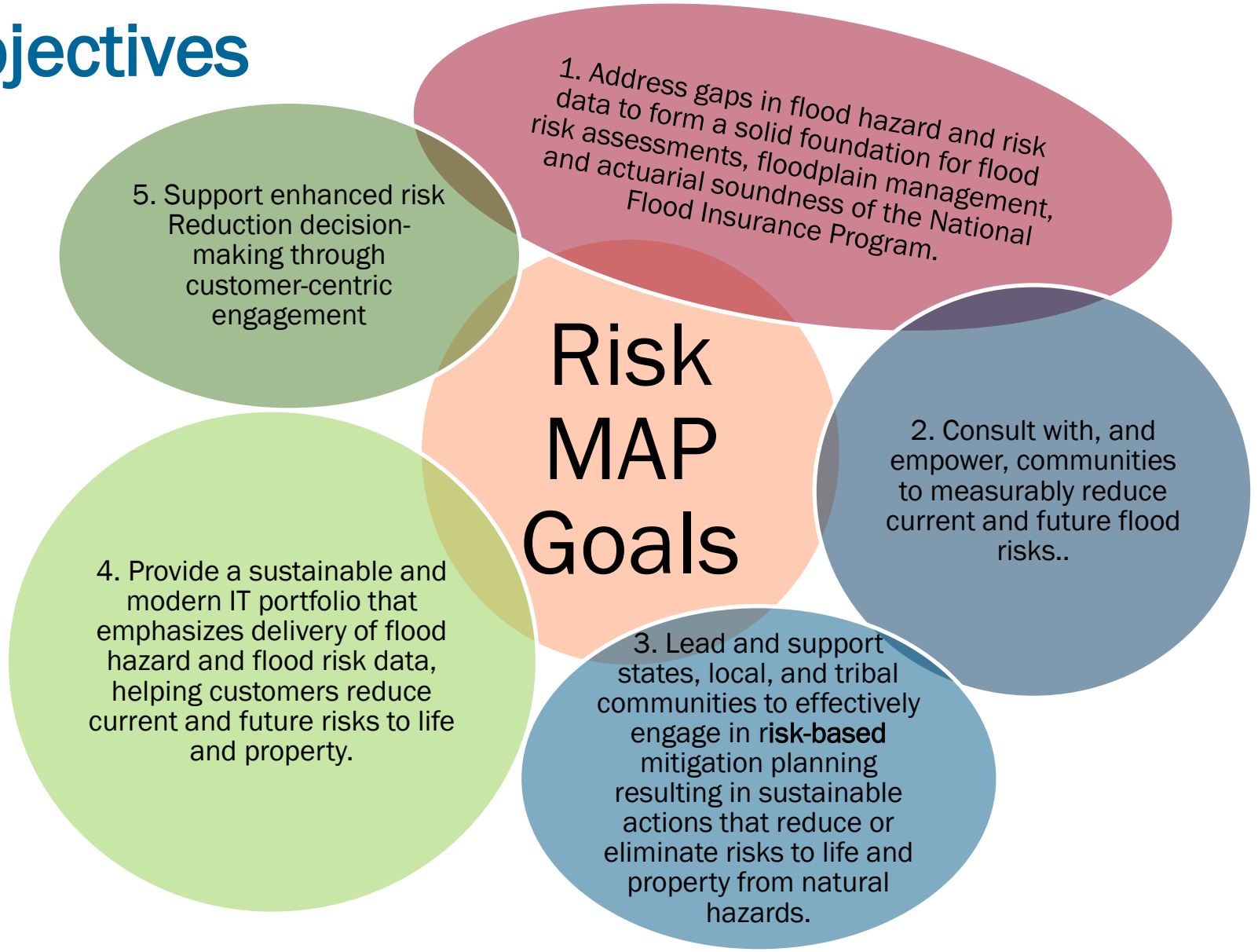
Oklahoma Floodplain Management Association
April 9, 2024
Tulsa, OK

FEMA

National Risk MAP Objectives

The Risk Mapping, Assessment, and Planning (Risk MAP) program provides communities with flood risk information and tools they can use to enhance their mitigation plans and better protect their residents.

Through more precise flood mapping products, risk assessment tools, and planning and outreach support, Risk MAP strengthens the local ability to make informed decisions about reducing flood risk.



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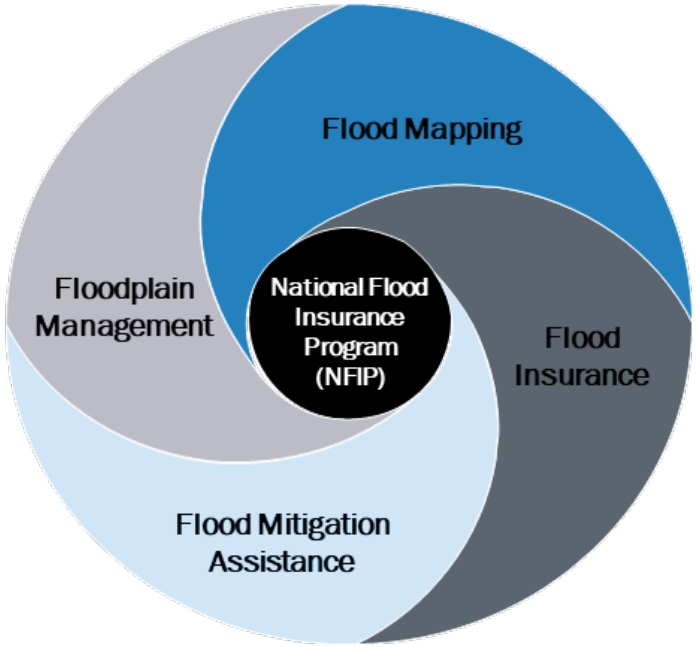
Regional Objectives



Meet National Metrics through prioritized Regional Investments

Empower Communities with Risk Information

Provide data and support to improve local Floodplain Management

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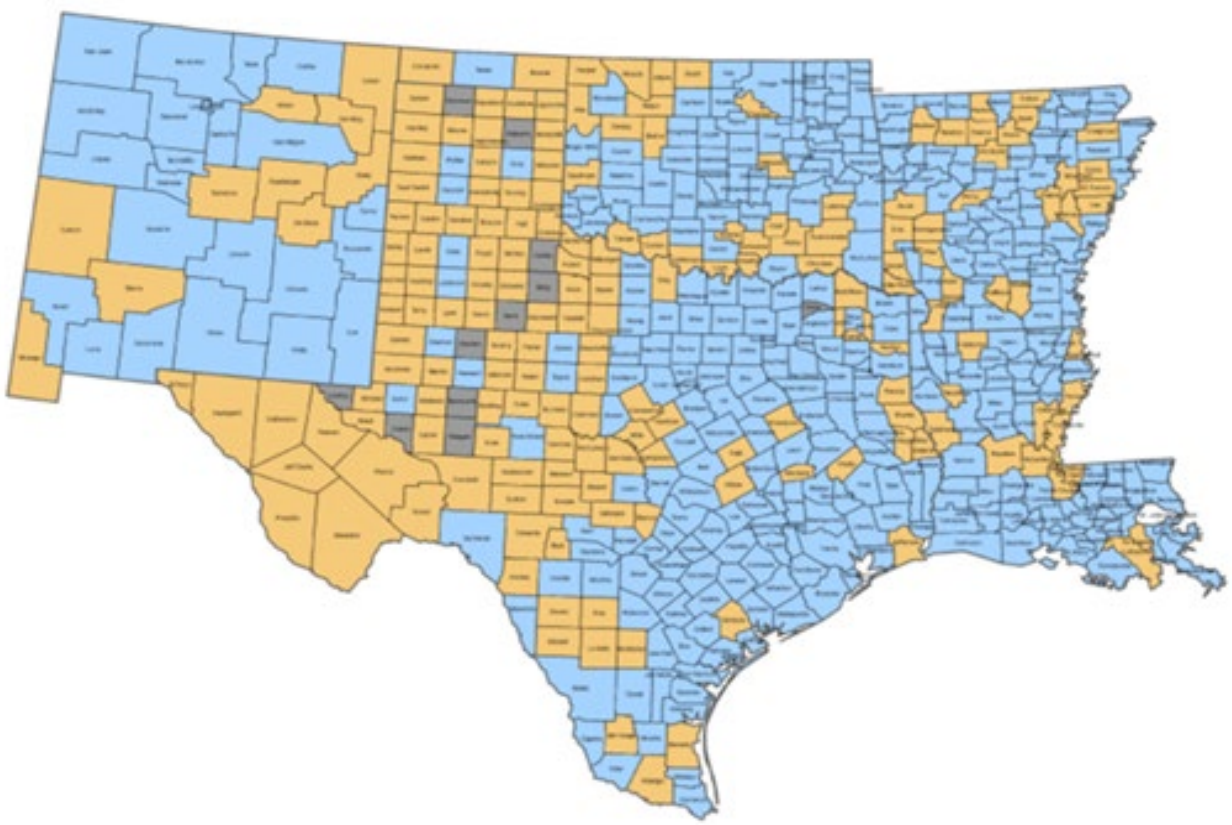
Regional Objectives for Mapping



Mapped Miles: 269,629
Unmapped Miles: 290,190
Number of counties/parishes: 503
Number of digital counties/parishes: 185
Number of counties with no FIRMs: 11

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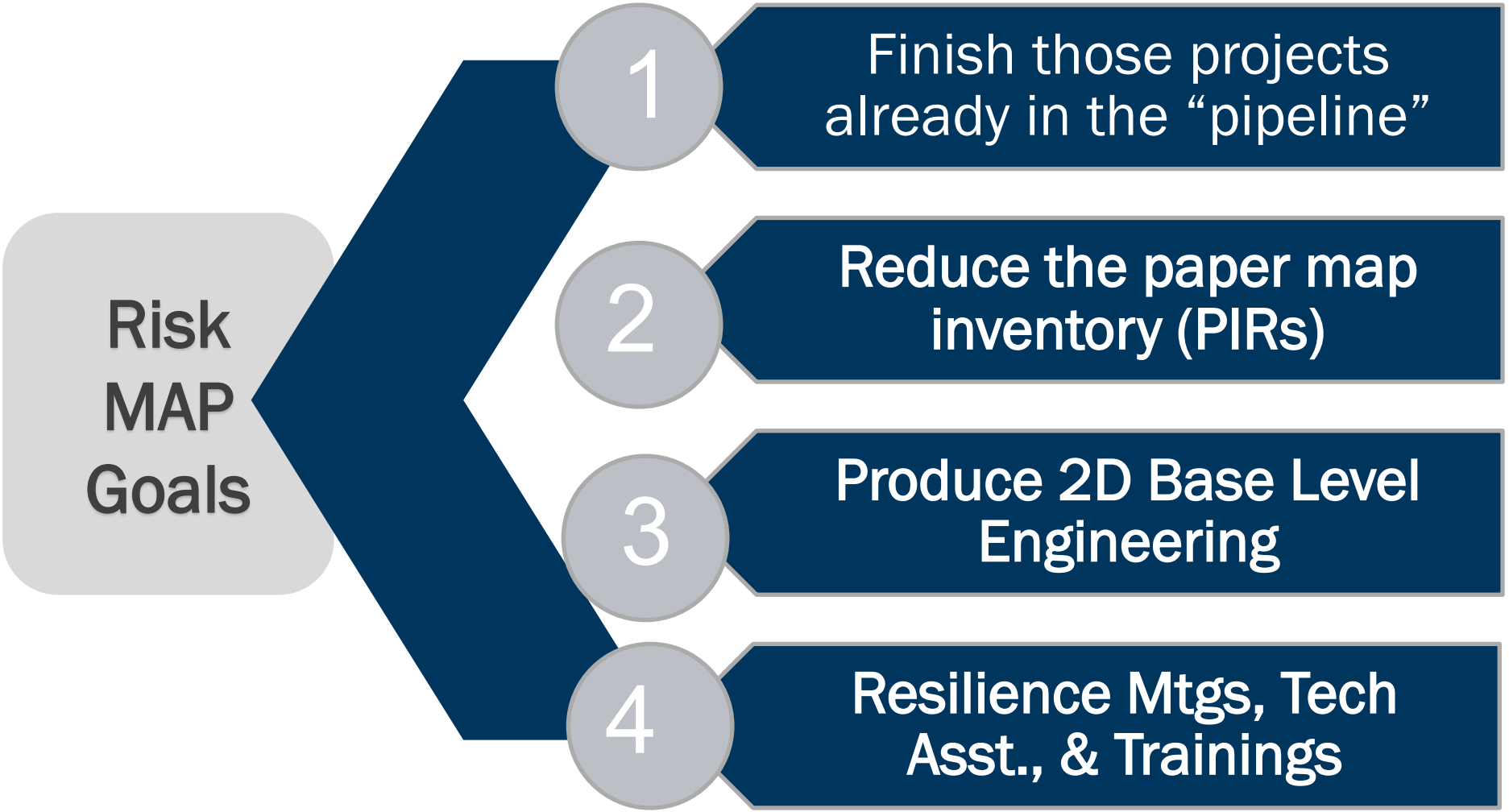
Aligning with HQ Priorities



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Building Partnerships

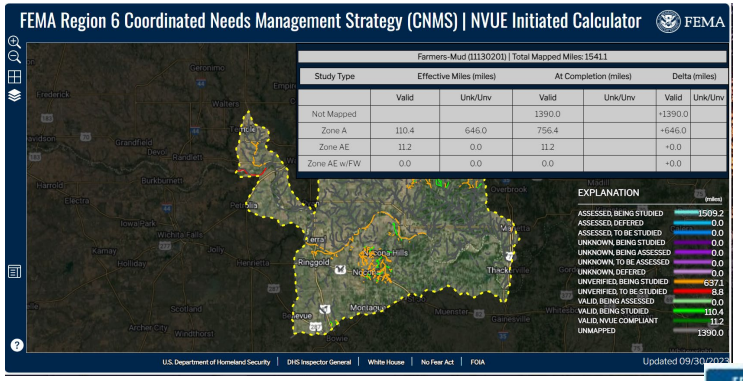
Our InFRM Team:

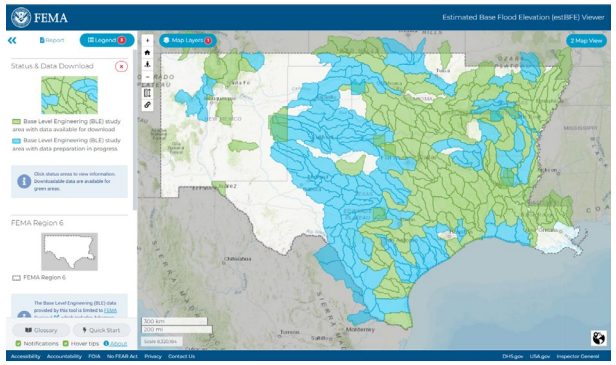
- USACE
- USGS
- NOAA/NWS
- FEMA

https://webapps.usgs.gov/infrm

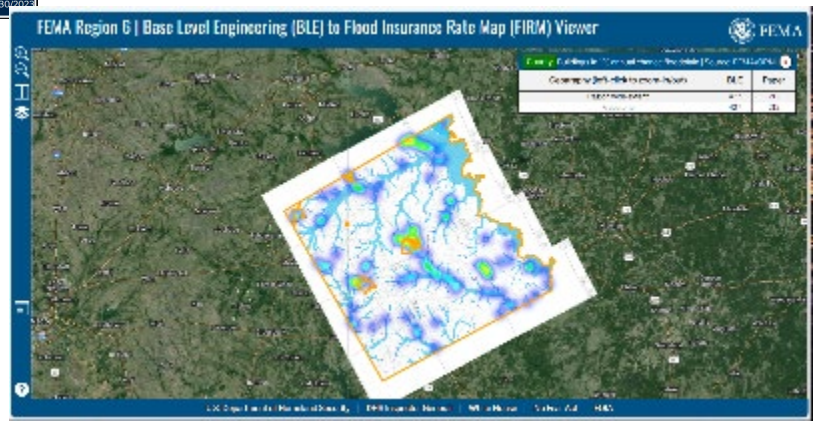
Some of our Projects:

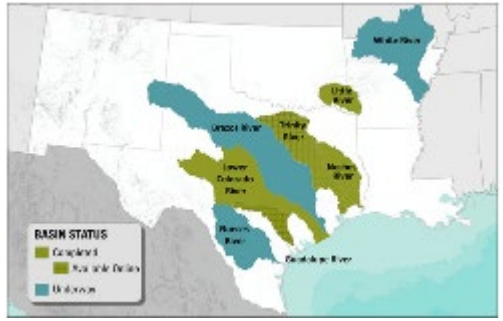
Estimated BFE Viewer
BLE-to-FIRM Viewer
CNMS Calculator
Water Hydrology Assessments
Flood Inundation Libraries
Project and Outreach Coordination





INTERAGENCY FLOOD RISK MANAGEMENT





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Building Partnerships Continued

Cooperative Technical Partnership (CTP) Program

State of Oklahoma
OWRB
WATER RESOURCES BOARD
the water agency

Floodplain Mapping

Resilience Meetings

Community Engagement

State Business Plan

FEMA

Ongoing FEMA Projects in Oklahoma

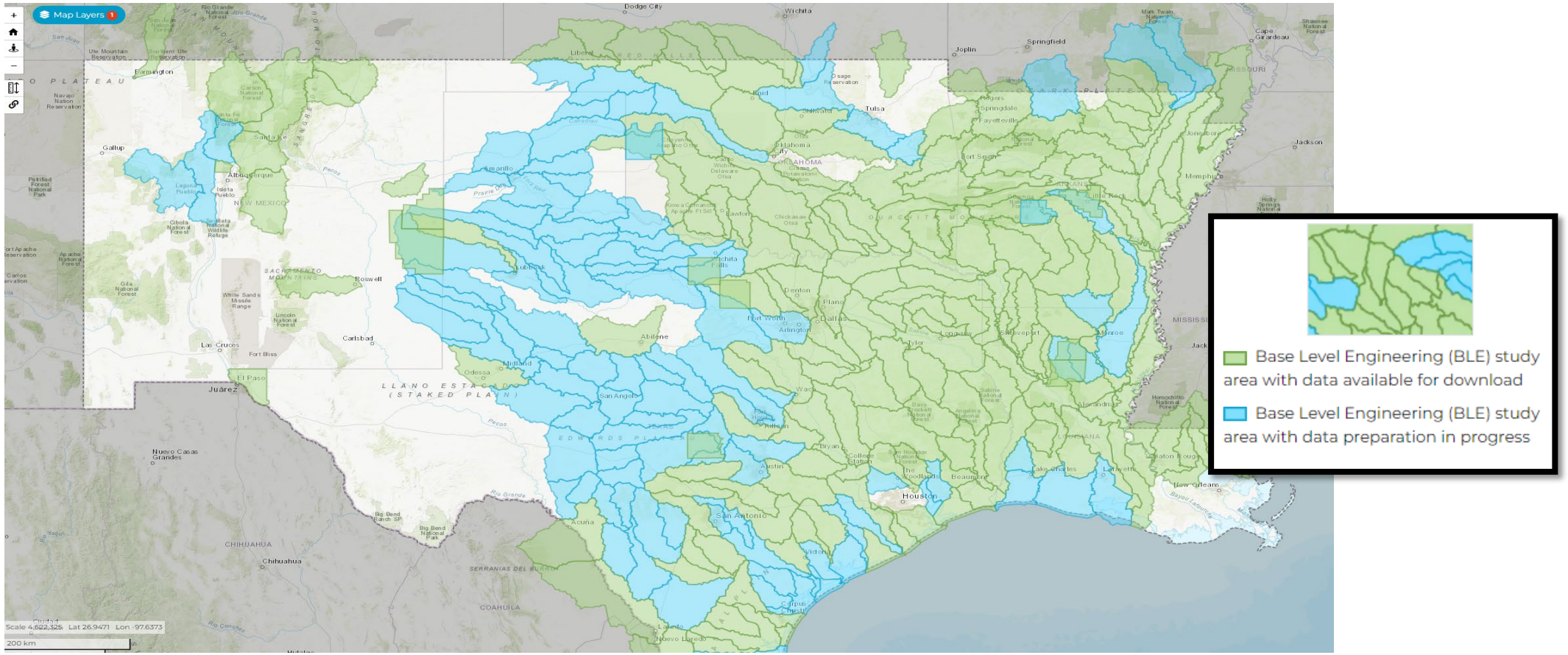
Regulatory FIRM Updates

- City of Tulsa – Little Haikey Creek – Prelim – 5/29/24
- Love County PIR – Prelim 5/3/24
- Pushmataha County PIR – Prelim TBD
- Latimer County PIR – Prelim TBD
- Harper County PIR – Prelim TBD
- Choctaw County PIR – Prelim1/10/24
- Oklahoma County (Coffee Creek) – Revised Prelim 6/28/23
- Cleveland County PMR – Eff. 3/27/24
- Oklahoma County PMR – Eff. 3/27/24
- Coal County – CW – Eff. 8/14/24
- Johnston County – Eff. 1/11/24
- Murray County – Eff. 1/11/24

Base Level Engineering

- Polecat-Snake, Dirty Greenleaf
- Kaw Lake, Lower Salt Fork Arkansas, Chikaskia, & Black Bear-Red Rock (OK/TX)
- Lower Canadian – Deer, Lower Beaver, Lower Wolf, & Middle North Canadian
- Lower Prairie Dog Town Fork Red, Groesbeck – Sandy, Blue – China, Pease, and Wichita (TX/OK)
- Upper Salt Fork Arkansas & Medicine Lodge
- Upper Cimarron- Bluff, Crooked, & Upper Cimarron - Liberal
- Neosho- Verdigris - Bird, Caney, Elk, Lake O 'The Cherokees, Lower Neosho, Lower Verdigris, & Middle Verdigris (AR/OK)
- North Canadian- Middle Beaver
- North Canadian- Upper Beaver, Upper Cimarron - Upper Cimarron (NM,OK), & Upper Cimarron - Cimarron Headwaters (NM/OK)
- Lower North Canadian, Lower Washita, Middle Washita, Upper Washita, & Washita Headwaters (OK/TX)

FEMA's Estimated Base Flood Elevation (BFE) Viewer (usgs.gov)



https://webapps.usgs.gov/infrm/estBFE

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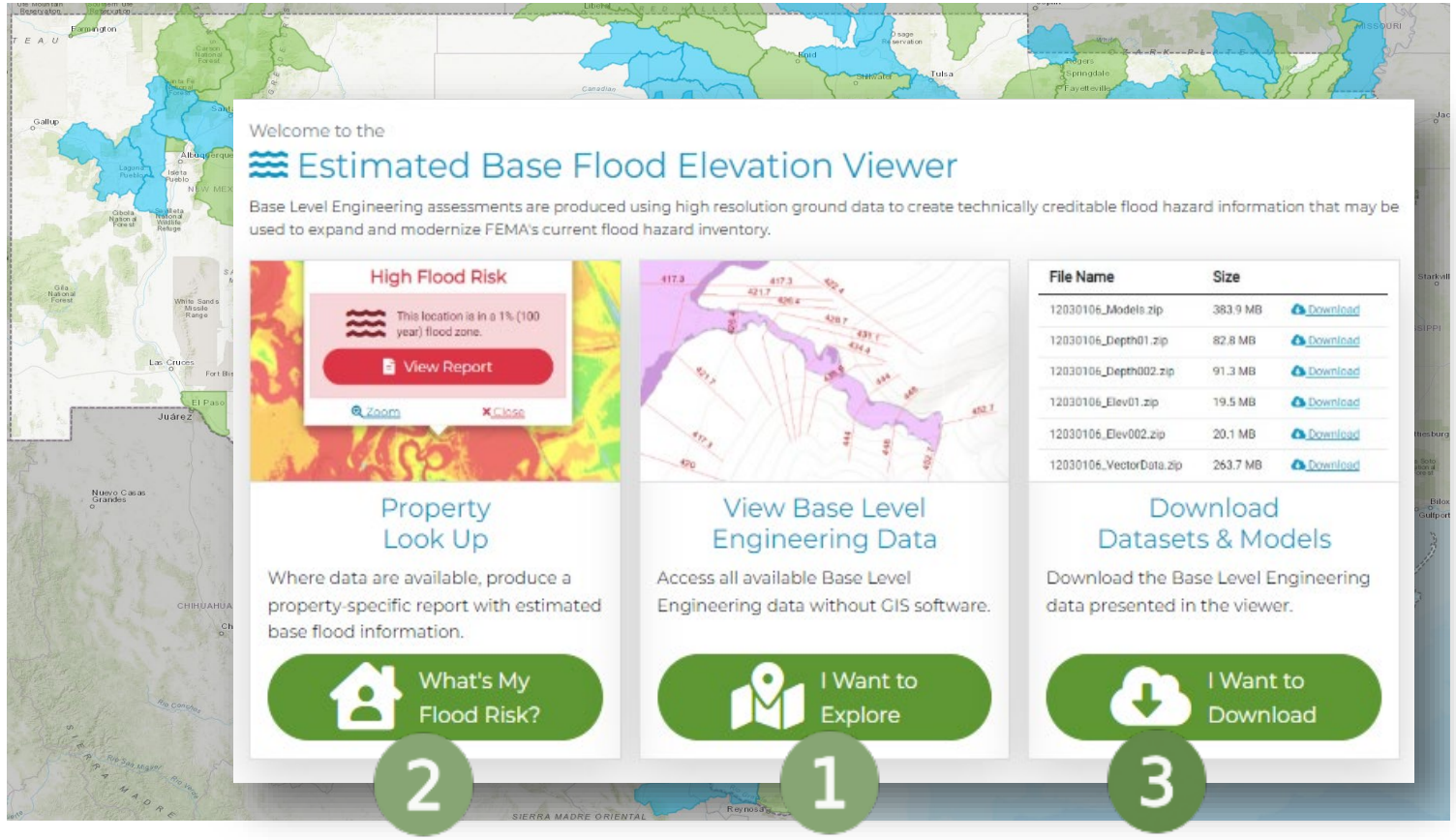
Estimated Base Flood Elevation (estBFE) Viewer



https://webapps.usgs.gov/infrm/EstBFE/

Available

In Progress

Base Level Engineering (BLE) Tools and Resources | FEMA.gov

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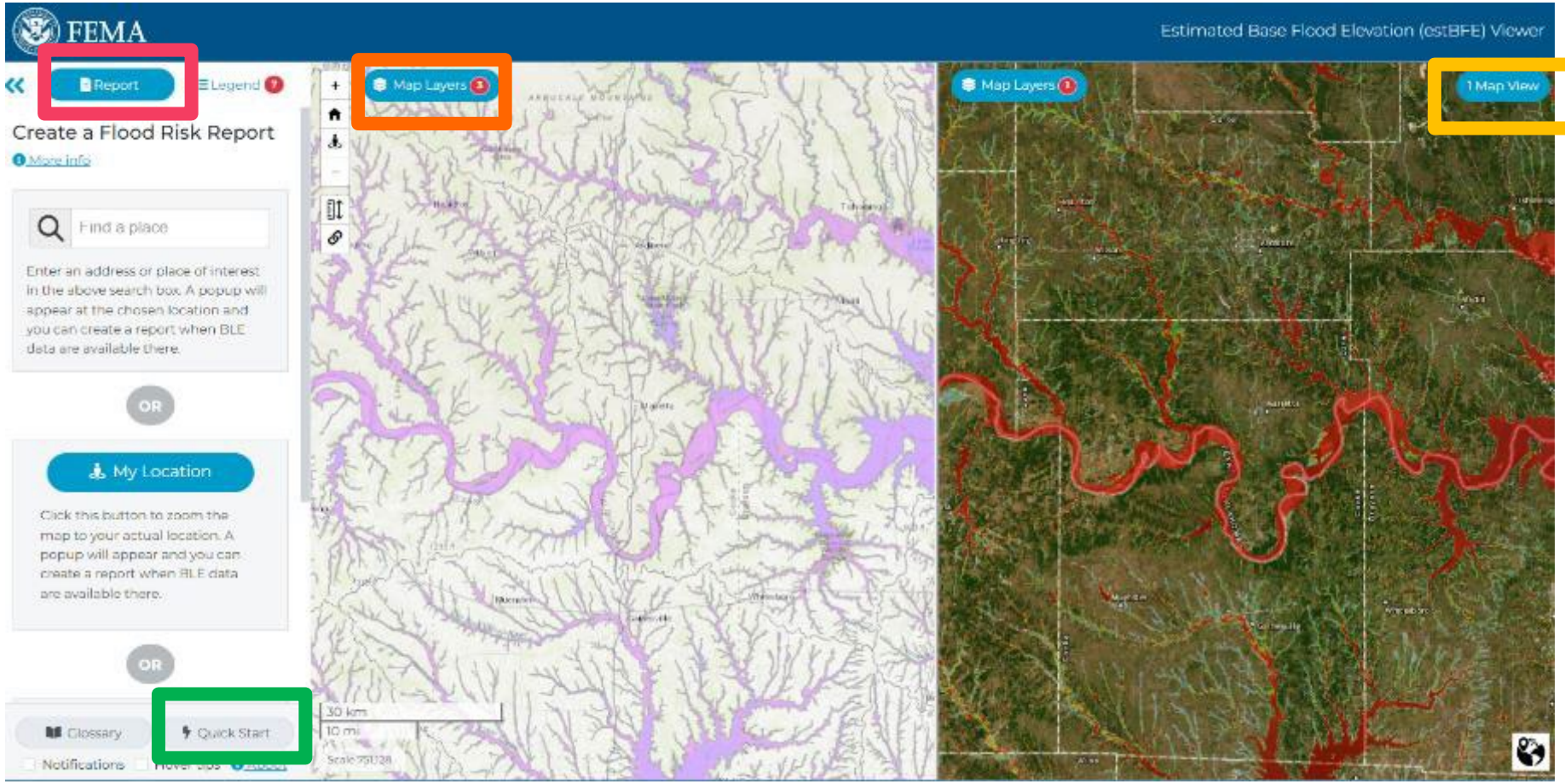
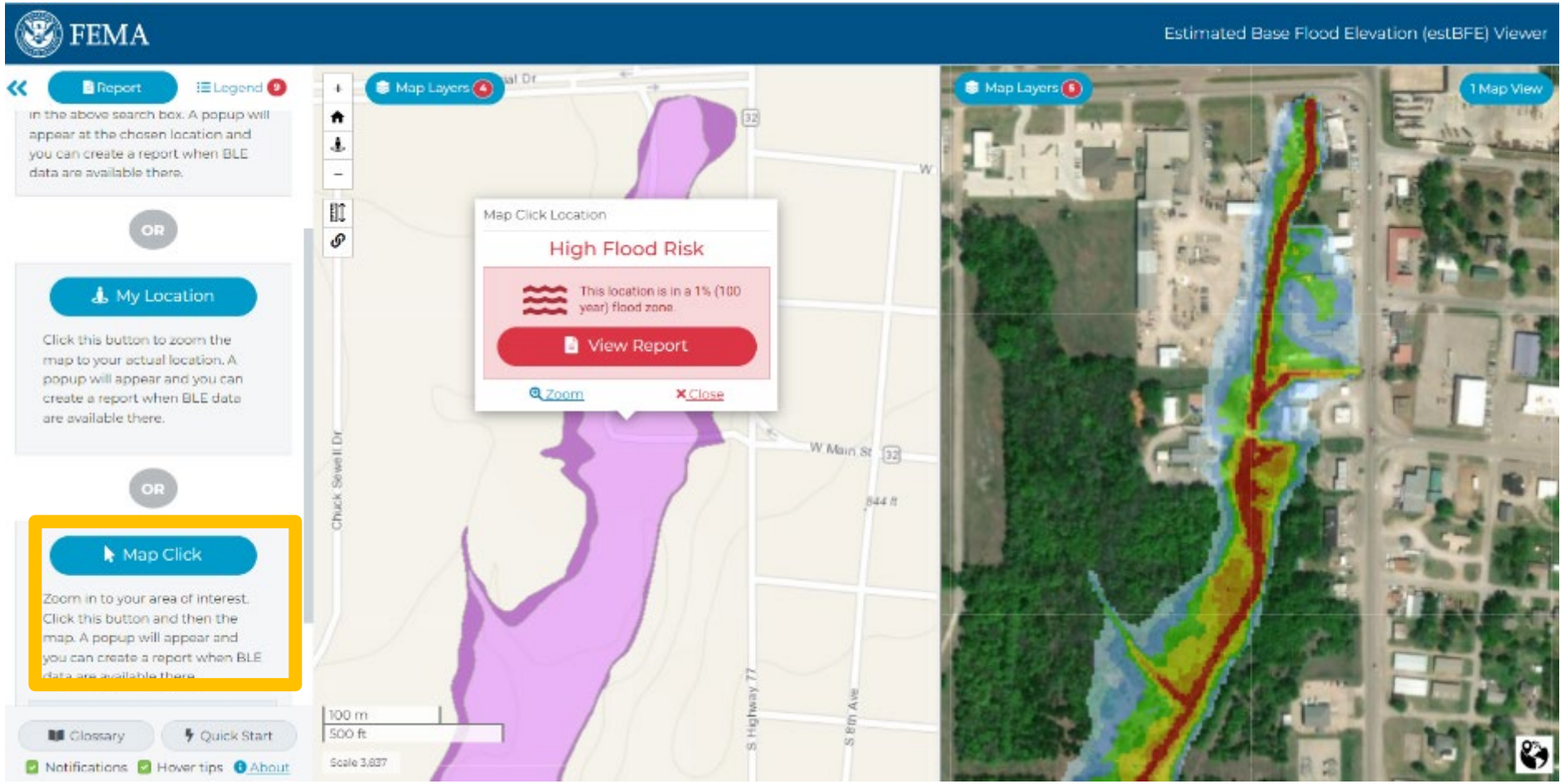
View the Base Level Engineering Data



Run a Site-Specific Report



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https://webapps.usgs.gov/infrm/EstBFE/

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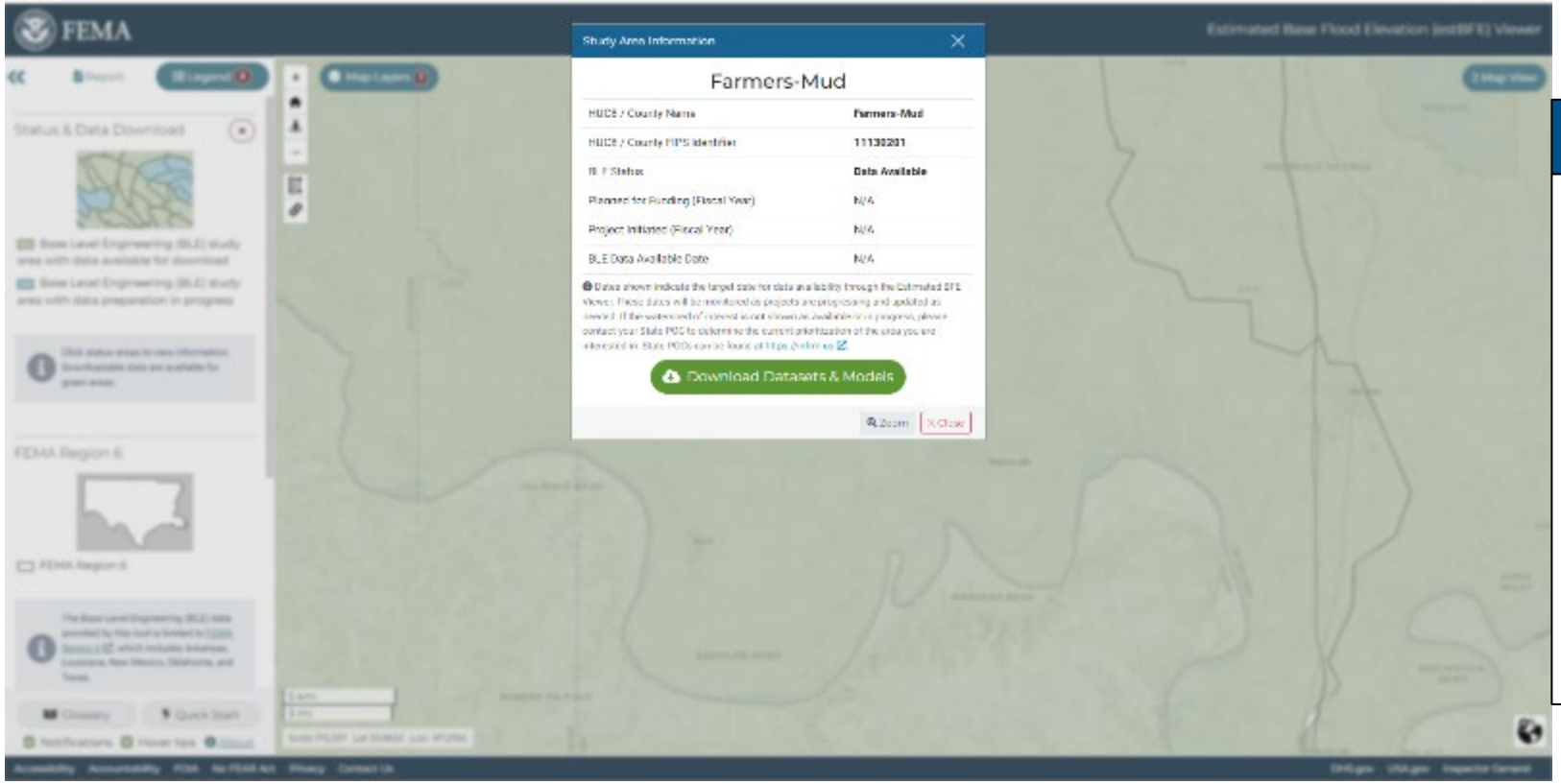
Download the Data

https://webapps.usgs.gov/infrm/EstBFE/



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Products

- Hydraulic Engineering Models:
  10%, 4%, 2%, 1%, 1%+, 1%-, 0.2%
- Estimated Flood Extents: 10%, 1% and 0.2%
- Estimated Water Surface Grids: 1% and 0.2%
- Estimated Flood Depth Grids: 1% and 0.2%
- Additional Purchased (R6)
  - HAZUS – Level 2 Analysis
  - Point file (Choke Points, Survey Support and Update Areas)
  - Freeboard Grids

FEMA Region 6 Virtual Brown Bag

1-hr CEC through ASFPM

https://www.eventbrite.com/e/fema-region-6-virtual-brown-bag-vbb-tickets-392536145177

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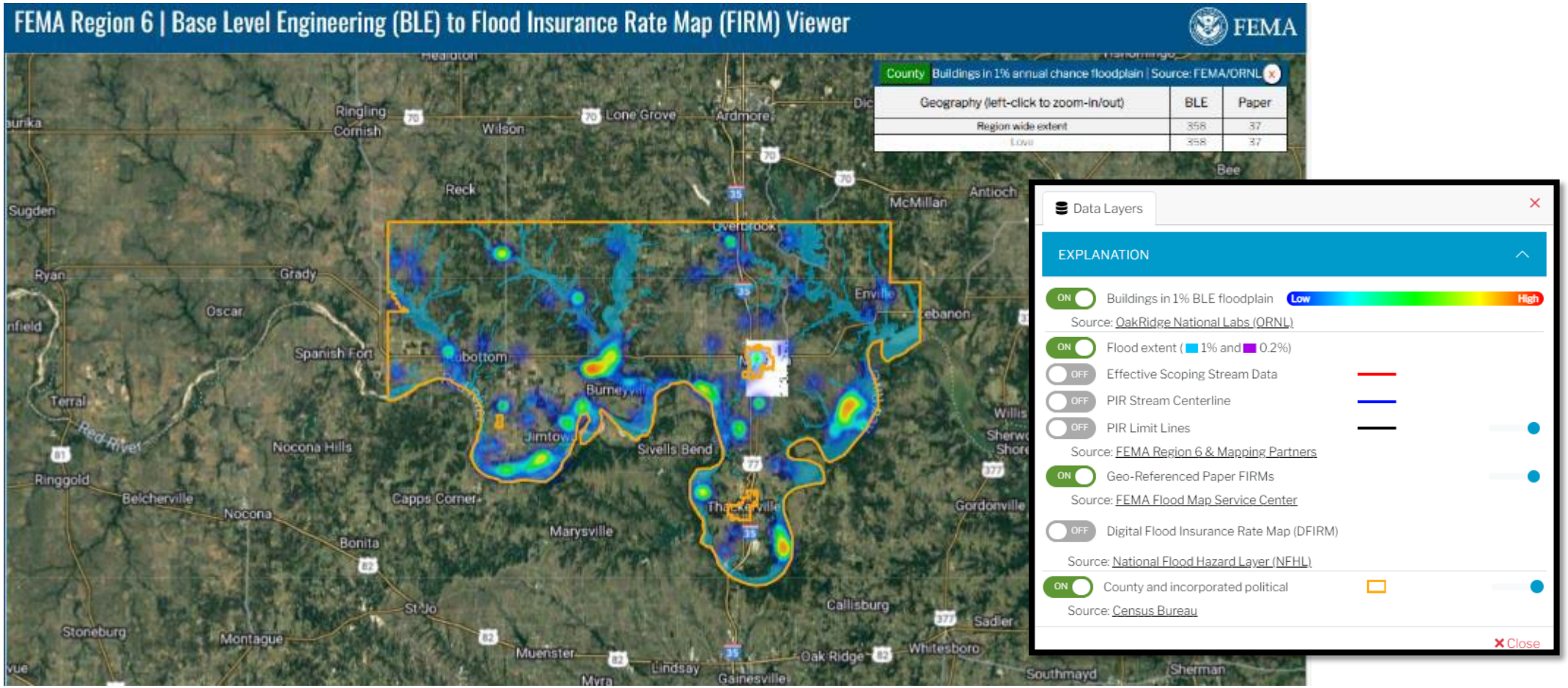
Region 6 BLE-to-FIRM Viewer



https://webapps.usgs.gov/fema/ble_firm

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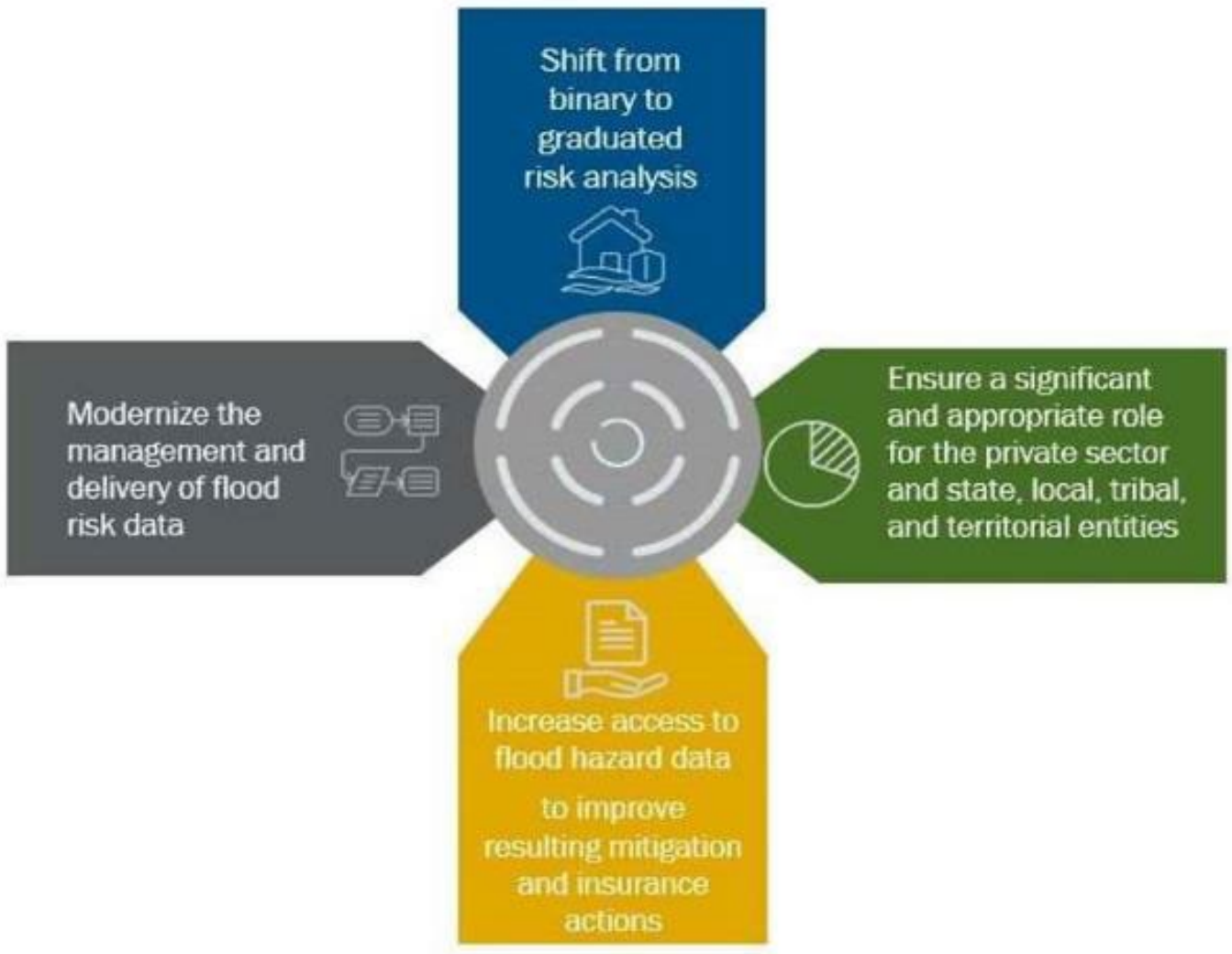
Risk MAP Program Evolution: FFRD Approach

The Future of Flood Risk Data initiative provides a framework for the mapping program to drive towards a risk informed NFIP and is supported by collaboration and coordination with many partners



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