Estimated BFE Viewer

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What is your role related to floodplain management activities?

- Federal Agency (*USACE, USGS, NWS, other*)
- State Agency/Department (*NFIP, SHMO, other*)
- Local Elected Official (*Mayor, Town Council, City Administrator*)
- Community Technical Staff (*Floodplain Administrator, Engineer, Building Inspector*)
- Community Planning (*Visioning, Community Planning, Land Use Planning, Open Space Planning*)
- Non Profit Organization (*Red Cross, River Authorities, other*)
- Technical Consultant (*for Local, State or Federal*)
Show us Your Hands

What is the current status of your communities FIRM maps?

- Modernized *(Map Modernization or more recent)*
- Paper *(Community Based, FHBMs or Older)*
- Unmapped *(We don’t have FIRMs)*
Question for the audience

What **data is MOST requested** of FEMA, State and Local community officials when engaged in a **conversation about the Flood Insurance Rate Maps**?

› What is my Base Flood Elevation?

› How can I determine the Base Flood Elevation in my location?
Local Floodplain Administrator Needs

We have heard time and time again that there is a need for:

- Flood data
- More flood data
- More recent flood data
- Quicker delivery of more recent flood data
- More stream study coverage
- Available H&H modeling

and, we agree.
Zone A Mapping
Baseline Understanding of Flood Risk
Region 6 Discussions and Planning for this initiative began in late 2014.
Houston, We have a problem...
This approach teams:

- High resolution ground elevation data
- Regression equation based hydrology
- Highly automated hydraulic modeling
- Lessons learned in Map Modernization
- Manual Cross-section review and adjustment

To create:

- Baseline modeling equivalent to Zone A floodplains
- Scalable models that can be further refined

More information on BLE & future opportunities - Session G7
FEMA Region 6 Motto
Beg, Borrow, Review and Enhance…

Internal Laboratory
- Louisiana Mapping Project (LaMP)
- Maps.RiskMAP6.com
- What’s my ABFE (NY/NJ)
- Rebuild Texas (Central Texas)

External Influences
- State of North Carolina (www.ncfloodmaps.com)
- State of West Virginia (mapwv.gov/flood)
- State of Kansas (gis.kda.ks.gov/ksfloodplain)
Viewer Requirements & Mock Up

FEMA Region 6
Development of BLE Database and Viewer Strategy

Deliverables Guidance
- RPML, RSC, and CTP
- BLE database (mimics DFIRM_DB)
- Guidance for preparation
- Delivery Requirements

BLE is R6 Minimum Purchase
- Procurement Documents

Lots of Coordination….
- FEMA HQ
- RPML, RSC, CTP and CERC
- FMIX Call Center
- Tool Training Support
- MSC Data Library
  (Coordination for model delivery)
Base Level Engineering
Builds Datasets Required for Broad Data Delivery

- BLE
  - Complete
- CNMS
  - Review
- Project
  - Prioritizing

Regional BLE DB appended

Estimated BFE Viewer Updated

Data Available to Public (informational purposes)

- BLE Data to Communities
  - Test drive data
  - Discuss internally

Discovery

Risk Identification & Assessment

Regulatory Update

- Floodplain Management
- Permitting
- Planning
- Capital Improvement
Estimated BFE Viewer
apps.femadata.com/estbfe

Welcome to the Estimated Base Flood Elevation Viewer!
The Federal Emergency Management Agency (FEMA), as the administrator of the National Flood Insurance Program (NFIP), is providing information to indicate the expected extent of flooding during a flood event with a 1% chance of occurrence any calendar year to assist communities and homeowners throughout the nation better understand the flood risk in their vicinity.

To find the Estimated Base Flood Elevation (EstBFE) near your address follow these three easy steps:
1. Enter your street address into the window below.
2. Adjust the locator icon to the middle of the structure in question.
3. Click "Get Property Report".

The information shared on this viewer is intended for informational purposes only. The insurance rates processor refers to the effective Flood Insurance Rate Map (FIRM), available from your local floodplain administrator or the FEMA Map Service Center (MSC). The owner of this tool is FEMA.

You are about to access a Department of Homeland Security computer system. This computer system and data therein are property of the U.S. Government and provided for official U.S. Government information and use. There is no expectation of privacy when you use this computer system. The use of a password or any other security measure does not establish an expectation of privacy. By using this system, you consent to the terms set forth in this notice. You may not process classified national security information on this computer system. Access to this system is restricted to authorized users only. Unauthorized access, use, or modification of this system or of data contained herein, or in transit to/from this system, may constitute a violation of section 1030 of title 18 of the U.S. Code and other criminal laws. Anyone who accesses a Federal computer system without authorization or exceeds access authority, or obtains, alters, damages, destroys, or discloses information, or prevents authorized use of information on the computer system, may be subject to penalties, fines or imprisonment. This computer system and any related equipment is subject to monitoring for administrative oversight, law enforcement, criminal investigative purposes, inquiries into alleged wrongdoing or misuse, and to ensure proper performance of applicable security features and procedures. DHS may conduct monitoring activities without further notice.

Landing Page
Estimated BFE Viewer
apps.femadata.com/estbfe

Zoom In – Status of Data Preparation
Estimated BFE Viewer

apps.femadata.com/estbfe

Zoom In – Watersheds and Streams Working
Estimated BFE Viewer

apps.femadata.com/estbfe

Zoom In – Detailed Study Areas
Zoom In – Base Level Engineering Results

Estimated BFE Viewer
apps.femadata.com/estbfe
Estimated BFE Viewer
apps.femadata.com/estbfe

Zoom In – Within High Risk Flood Zone (no detailed study in this area)
Zoom In – Within High Risk Flood Zone (no detailed study in this area)
Estimated Flood Risk
- High within the 1% annual chance
- Moderate within the 0.2% annual chance
- Low outside the 0.2% annual chance

Estimated Base Flood Elevation \((X.X \text{ feet})\)
*Only available in the 1% annual chance floodplain through Est BFE Viewer*

Estimated Flood Depth \((X \text{ feet})\)
*Only available in the 1% annual chance floodplain through Est BFE Viewer*

Model Location \((\text{shortened MIP location provided})\)

Effective FIRM Panel Number with MSC address
*Made available when a detailed polygon is intersected with locator*

Report informs user to use this information for discussions with their Local Floodplain Administrator, suggests that Elevation Certificates are generated for insurance rating based on elevation.
There are four possible outcomes dependent upon where the Drop Pin is placed: Detailed Study Available, High Risk, Low to Moderate Risk and Low Risk. More information is available in Table below.

<table>
<thead>
<tr>
<th>Detailed Study</th>
<th>High Flood Risk</th>
<th>Moderate Flood Risk</th>
<th>Low Flood Risk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flood Information For This Location</td>
<td>Flood Information For This Location</td>
<td>Flood Information For This Location</td>
<td>Flood Information For This Location</td>
</tr>
<tr>
<td>At the chosen location a more detailed study is available on the current effective FIRM panel, 48139C019F. Please review the current effective FIRM to identify the BFE your structure will be rated against. Hint: Search the FEMA Map Service Center to create a FIRNette in your property area.</td>
<td>At the chosen location (-96.83457,32.31958) the Estimated Base Flood Elevation is 447.4 ft (NAVD 88). Hint: A zoom level of 1:5,000 or smaller will improve the positioning of the map locator.</td>
<td>At the chosen location (-96.824539,32.371995) the Estimated Base Flood Elevation is Not Applicable. Hint: A zoom level of 1:5,000 or smaller will improve the positioning of the map locator.</td>
<td>At the chosen location (-96.83457,32.31958) the Estimated Base Flood Elevation is Not Applicable. Hint: A zoom level of 1:5,000 or smaller will improve the positioning of the map locator.</td>
</tr>
<tr>
<td>- Effective FIRM panel that should be reviewed to determine current Base Flood Elevation</td>
<td>- Estimated Flood Elevation</td>
<td>- Estimated Flood Elevation does not include Flood Elevations at this time.</td>
<td>- Estimated Flood Elevation does not include Flood Elevations at this time.</td>
</tr>
<tr>
<td>- Longitude/Latitude</td>
<td>- Estimated Flood Depth</td>
<td>Land and structures in the lighter shaded areas may experience flooding during an event that exceeds the 1% annual chance.</td>
<td>Land and structures outside of any indicated flood extent may experience flooding during an event that exceeds the 0.2% annual chance.</td>
</tr>
<tr>
<td>- Model Location</td>
<td>- Model Location</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: At this time, flood elevations are only available in the High Flood Risk flood extent area.
Implementation Strategy living document

Web Application complete

Step by Step instructions, handouts, flyers, and other outreach materials are available

BLE Roll Out actively occurring. Working with communities in Arkansas, Texas and Oklahoma

Application Launch at recent Oklahoma Floodplain Management Conference (April 2017)

Retooling our data delivery to communities. Flood Risk Report (phased updates) nearing completion

Preparing use workshops for decision makers, local technical staff, planning and engineering communities (Fall 2017)

Preparing webinar sessions (Fall 2017)
Base Level Engineering Data Launch
Oklahoma FMA Spring Workshop