



# West Virginia Risk Explorer

Localized risk assessment tools for analysis and visualization

## West Virginia Flood Resiliency Framework (WVFRF)

June 12, 2025



WV GIS Technical Center  
West Virginia University



# Flood Risk in WV



64 Federally-Declared Flood Disasters since 1953

220 Loss of Lives

About 98,000 Buildings (9%)  
in 1%-annual-chance (100-yr) Floodplain

About 199,000 Persons (11%)  
Reside in 100-yr Floodplain



July 1961  
(22 + 2 landslide fatalities)



February 1972  
(123 fatalities including 4 missing)



November 1985  
(49 fatalities)



# WV Floodplain Building Inventory (BI)



## Flood Exposure Assessment (Building-Level)

Funded by: FEMA Hazard Mitigation Grant Program (HMGP) and State Hazard Mitigation Office

- All primary (insurable) structures in the 1%-annual-chance (100-yr) floodplain
- Community Assets (Historical & Non-Historical) in the 100-yr floodplain
- Essential Facilities in the 100-yr and 500-yr floodplains

### Essential Facilities



### Community Assets



Detailed building characteristics from tax assessment

+

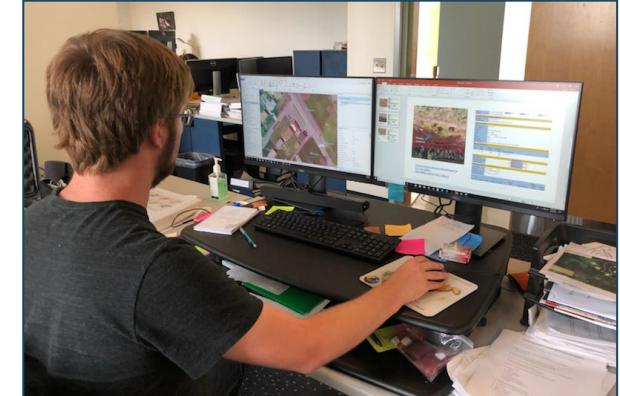
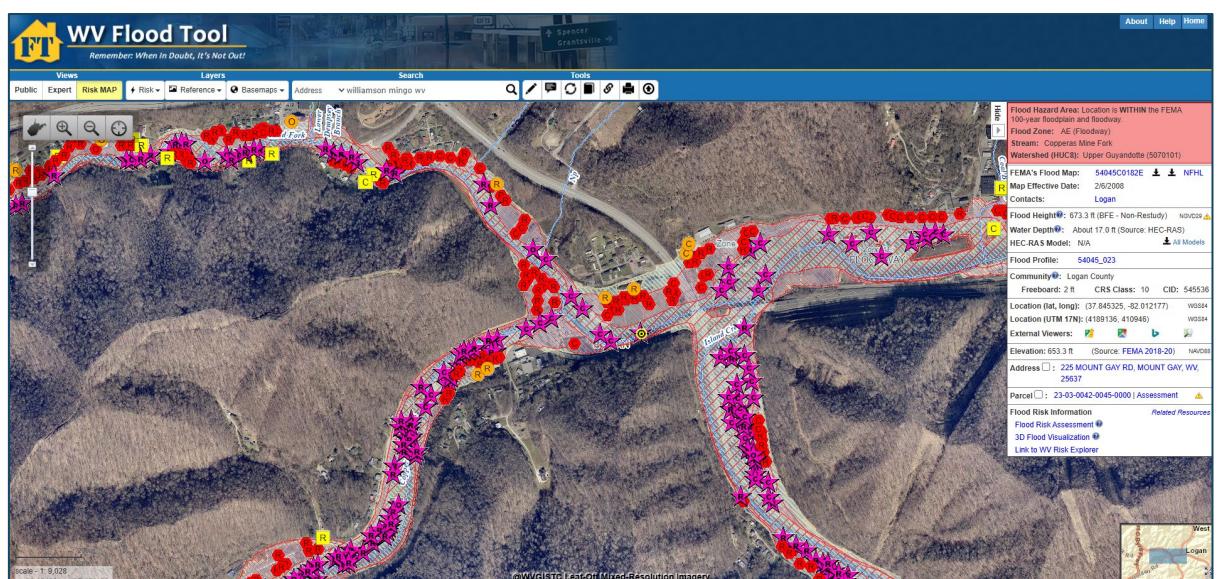
Population exposure and displacement estimates (100-yr flood)

Manual process of identification using Arc GIS

+

Programmed scripts to extract and process data

Product: **WV Flood Tool**  [mapwv.gov/flood](http://mapwv.gov/flood)

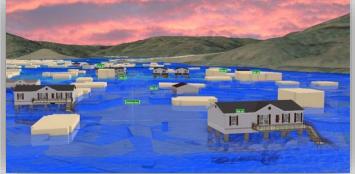


# WV Flood Resiliency Framework (WVFRF)



A virtual hub of risk assessment, visualization, planning, and training resources for building community flood resiliency in WV

## Flood Visualizations



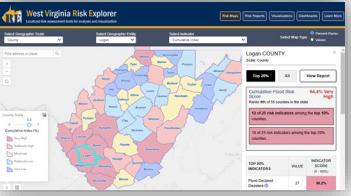
## WV Flood Tool



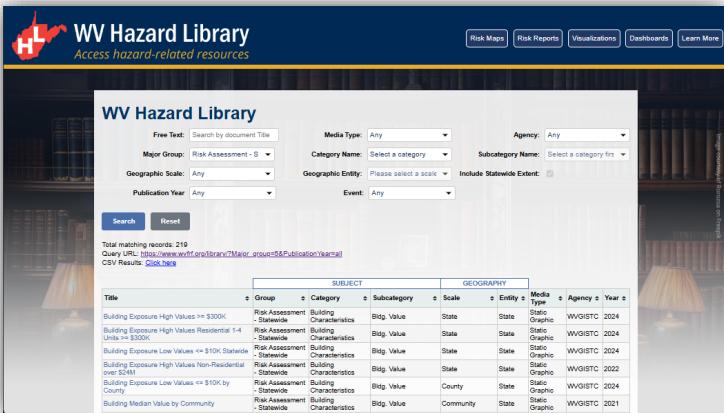
## Flood Dashboards



## WV Risk Explorer



## Example Tools



## Hazard Library

### RISK TOOLS

- WV Risk Explorer
- WV Flood Tool
- Visualizations
- Dashboards

9 Geographic Scales

### COMMUNITY ENGAGEMENT

- Focused Outreach Meetings
- Flood Symposium
- Resiliency Tools & Products
- Learning Resources & Reports



Community Engagement Meeting

### HAZARD LIBRARY

Search online hazard resources by title, subject, media, event, geography, data, etc.

### STAKEHOLDERS

- Risk Reduction Associates
- Emergency Responders
- Floodplain Managers
- Local Officials
- Volunteers
- Public



Flood Symposium Stakeholders

# Stakeholders



WVFRF (BETA)

PROJECT OVERVIEW WV RISK EXPLORER WV FLOOD TOOL CONTRIBUTORS CONTACT US



## WEST VIRGINIA FLOOD RESILIENCY FRAMEWORK

Image courtesy of The Atlantic



*A virtual hub of risk assessment, visualization, planning, and training resources for building community flood resiliency in West Virginia*

### PRIMARY TOOLS



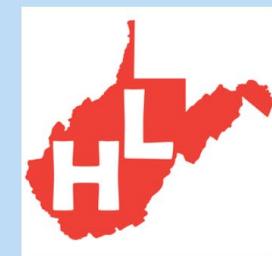
WV Risk Explorer



WV Flood Tool



WV Property Viewer



WV Hazard Library

## Overall Flood Risk

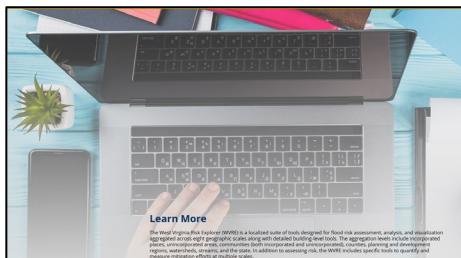
(1) FLOODPLAIN CHARACTERISTICS	(2) BUILDING EXPOSURE	(3) BUILDING CHARACTERISTICS	(4) CRITICAL INFRASTRUCTURE	(5) COMMUNITY ASSETS	(6) BUILDING DAMAGE LOSS	(7) PEOPLE / SOCIAL VULNERABILITIES	(8) OTHER HAZARDS
Floodplain Area	Building Floodplain Count <sup>1,2</sup>	Building Value <sup>1,2</sup>	Essential Facilities	Historical Assets	Substantial Damage Estimates* <sup>1,2</sup>	Population in Floodplain	Landslides
Floodplain Length <sup>1,2</sup>	Building Floodway Count <sup>1,2</sup>	Mobile Homes	Roads Inundated	Non-Historical Assets	Previous Claims	Population Displaced	Karst**
Floodplain Depth <sup>1,2</sup>	Building Floodplain Ratio <sup>2</sup>	Basement			Repetitive Losses	WV Social Vulnerability Index	Dam/Levee Failure**
Flood Disaster Frequency	Building Density <sup>1,2</sup>	One Story					
		Building Year*					

\* Multiple Indicators

\*\* In Progress

<sup>1</sup> River/Stream Indicator

<sup>2</sup> Watershed Indicator



# Analytical & Visualization Tools at Multiple Scales



## Political Boundaries

State



PDC Regions (11)



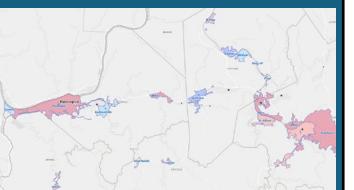
Counties (55)



Communities (284)



Incorporated  
Places  
(229)



Unincorporated  
Areas  
(55)



## Drainage Areas / Streams

Watersheds  
(33)



Streams/Rivers  
(156)



## Property Levels

Parcels



Buildings



# Geographic Entities at VERY HIGH Risk (Top 10%)



RANK	All Communities	Index Score	Incorporated Places	Index Score	Unincorporated Areas	Index Score	Counties	Index Score	Regions	Index Score
1	New Martinsville - Incorporated	100.0%	Clendenin - Incorporated	100.0%	Kanawha County* - Unincorporated	100.0%	Kanawha	100.0%	PDC Region 2	100%
2	Boone County* - Unincorporated	99.6%	New Martinsville - Incorporated	99.5%	Boone County* - Unincorporated	98.1%	Boone	98.1%	PDC Region 3	90%
3	Clendenin - Incorporated	99.2%	Alderson** - Incorporated	99.1%	Wayne County* - Unincorporated	96.2%	McDowell	96.2%		
4	Marlinton - Incorporated	98.9%	Marlinton - Incorporated	98.6%	McDowell County* - Unincorporated	94.4%	Logan	94.4%		
5	Wheeling** - Incorporated	98.5%	Kimball - Incorporated	98.2%	Mingo County* - Unincorporated	92.5%	Mingo	92.5%		
6	McDowell County* - Unincorporated	98.2%	Parsons - Incorporated	97.8%	Logan County* - Unincorporated	90.7%	Wyoming	90.7%		
7	Alderson** - Incorporated	97.8%	Wheeling** - Incorporated	97.3%						
8	Wayne County* - Unincorporated	97.5%	Northfork - Incorporated	96.9%						
9	Parsons - Incorporated	97.1%	Danville - Incorporated	96.4%						
10	Kanawha County* - Unincorporated	96.8%	Madison - Incorporated	96.0%						
11	Madison - Incorporated	96.4%	Milton - Incorporated	95.6%						
12	Kimball - Incorporated	96.1%	Oceana - Incorporated	95.1%						
13	Lincoln County* - Unincorporated	95.7%	Keystone - Incorporated	94.7%						
14	Milton - Incorporated	95.4%	Wellsburg - Incorporated	94.2%						
15	Mingo County* - Unincorporated	95.0%	Gary - Incorporated	93.8%						
16	Logan County* - Unincorporated	94.6%	Rowlesburg - Incorporated	93.4%						
17	Danville - Incorporated	94.3%	Grantsville - Incorporated	92.9%						
18	Wellsburg - Incorporated	93.9%	Richwood - Incorporated	92.5%						
19	Oceana - Incorporated	93.6%	Rainelle - Incorporated	92.1%						
20	Rowlesburg - Incorporated	93.2%	Mannington - Incorporated	91.6%						
21	Northfork - Incorporated	92.9%	Spencer - Incorporated	91.2%						
22	Gary - Incorporated	92.5%	Welch - Incorporated	90.7%						
23	Wyoming County* - Unincorporated	92.2%	Buckhannon - Incorporated	90.3%						
24	Welch - Incorporated	91.8%								
25	Summers County* - Unincorporated	91.5%								
26	Buckhannon - Incorporated	91.1%								
27	Richwood - Incorporated	90.8%								
28	Ceredo - Incorporated	90.4%								
29	Mannington - Incorporated	90.1%								

Last update: Aug. 2024

RANK	Streams	Index Score	Watersheds	Index Score
1	Coal River	100.0%	Lower Kanawha	100.0%
2	Ohio River	99.3%	Coal	96.8%
3	Greenbrier River	98.7%	Tug	93.7%
4	Island Creek	98.0%	Upper Kanawha	90.6%
5	Little Coal River	97.4%		
6	Cacapon River	96.7%		
7	Kanawha River	96.1%		
8	Campbells Creek	94.8%		
9	South Branch Potomac River	94.8%		
10	Mud River	94.1%		
11	Pocatalico River	93.5%		
12	Davis Creek	92.9%		
13	Cabin Creek	92.2%		
14	Wheeling Creek	91.6%		
15	Big Coal River	90.9%		
16	Pond Fork	90.3%		

Colors:

Black --> Incorporated places

Black on yellow\*\* --> Split communities

Black on blue: Incorporated communities included in the detailed risk report (Camden-on-Gauley, Clendenin, Marlinton, Rainelle, Richwood, and White Sulphur Springs)

Brown on gray --> Unincorporated areas

Green --> Counties (Total)

## WV Flood Tool

Determine the degree of flood risk for a *specific area or property* using the Public and Expert Views. View building risk assessments and mitigation measures using the Risk Map View.

### Primary Components:

- Public View
- Expert View (Floodplain Management)
- RiskMap View (Risk Reduction)
- Reference Layers & Basemaps
- Property Search Tools
- Links to External Viewers & Resources



## WV Risk Explorer

View and analyze riverine flood risk at the *aggregate level* for community, county, region, watershed, and stream scales. *Compare risk* among different geographic entities, complete with risk scores and rankings, from the building level to state scales.

### Primary Components:

- Risk Maps Tool
- Risk Reports Tool
- Risk & Mitigation Dashboard Tools
- Building Level Risk Tools
- Flood Visualization Tools
- Data linkages WV Flood Tool & Hazard Library



### Applications:

- Flood Risk Determinations at Property Level
- Floodplain Management
- Mitigation Measures
- Damage Assessments
- Property Identification
- Flood Visualizations & Risk Communications
- CRS Map Credits
- Other Hazards

### Applications:

- Plans (Resiliency, Emergency Operations, Hazard Mitigation)
- Risk Studies (Risk MAP, Risk Reduction, Community Focused)
- Mitigation Measures, Tracking & Monitoring
- Flood Visualizations & Risk Communications
- CRS Programming Variables
- Other Hazards

# West Virginia Risk Explorer (WVRE)



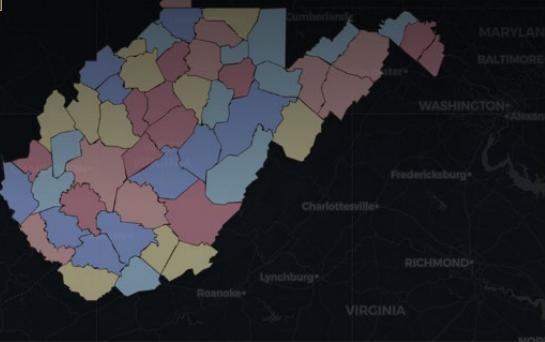
**Risk Assessment Tools:** Localized risk assessment tools for analysis

**WVRE Landing Page:** [wvfrf.org/wvre](http://wvfrf.org/wvre)

## WV Risk Explorer Maps

Interactively view and explore flood risk indicators on a map to identify areas of higher risk.

Risk Maps



## WV Risk Explorer Reports

View and download flood risk assessment and comparison reports in more detail.

Risk Reports



## WV Building-Level (BL) Risk

Analyze flood risk at the level of individual structures in detail.

BL Risk



## WV Flood Dashboards

Use the interactive dashboards to analyze risk factors and mitigation measures.

Dashboards



## WV Hazard Library

Search the document and visual media library for hazard information.

Hazard Library



Primary Structures



Detailed building inventory developed by pinpointing all primary structures in the high-risk 1% annual chance (100-year) effective and advisory floodplains.

Significant Structures



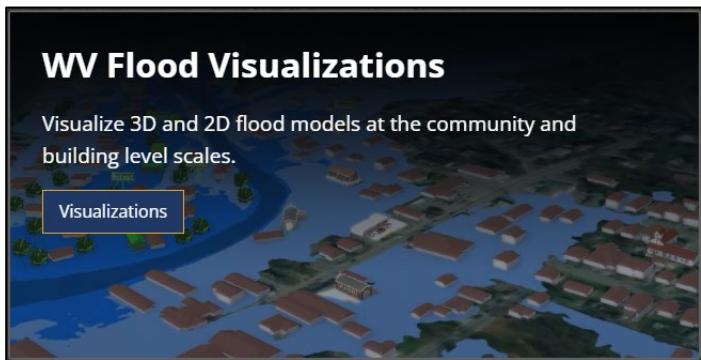
Historical and non-historical community assets in the high-risk 100-year effective and advisory floodplains and essential facilities inventoried to the 500-year flood event.

# West Virginia Risk Explorer (WVRE)...



## Risk Communication Tools:

Facilitating risk comprehension for different groups of stakeholders



### 3D Movies

Community-scale 3D flood movies for a major 1% annual chance (100-year) storm.

A 3D rendering of a town under floodwater, with buildings and infrastructure partially submerged. A small blue button in the bottom left corner is labeled '3D ANIMATION'.

### Building Profiles

Building-scale flood visualizations of different storm frequencies and magnitudes.

A 3D rendering of a single house on a porch, surrounded by floodwater. A small blue button in the bottom left corner is labeled 'FLOOD PROFILE'.

### Viewsheds

Bird's eye view flood visualizations of different storm frequencies and magnitudes.

A 3D perspective view of a town from above, showing the extent of flooding across the landscape. A small blue button in the bottom left corner is labeled 'VIEWSHEDS'.

### Story Maps

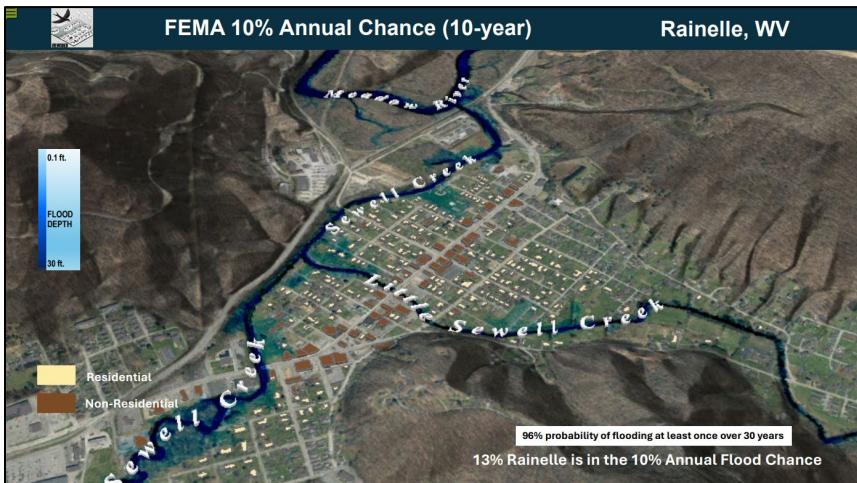
Story maps of major flood events and lessons learned.

A collage of images showing flood damage, including a flooded town, a damaged vehicle, and a person standing in floodwater. A small blue button in the bottom left corner is labeled 'STORY MAPS'.

# West Virginia Risk Explorer (WVRE)...



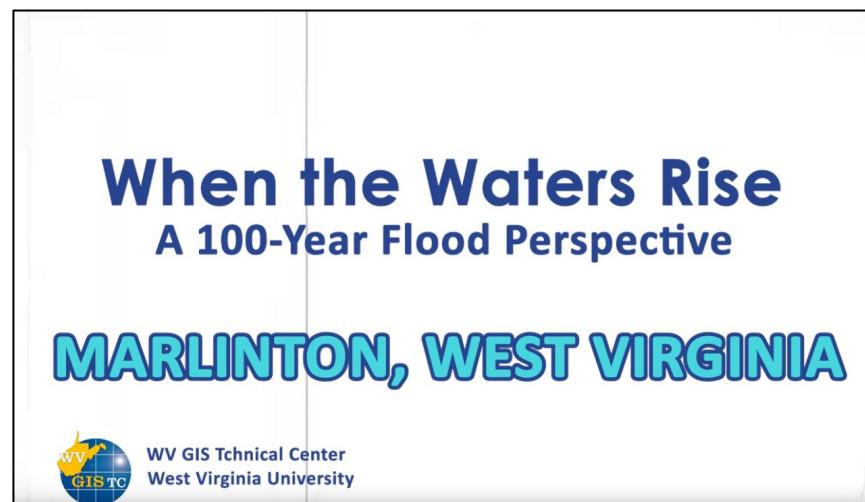
## Visualization Examples:



Viewshed for Rainelle



Building Profile in Clendenin



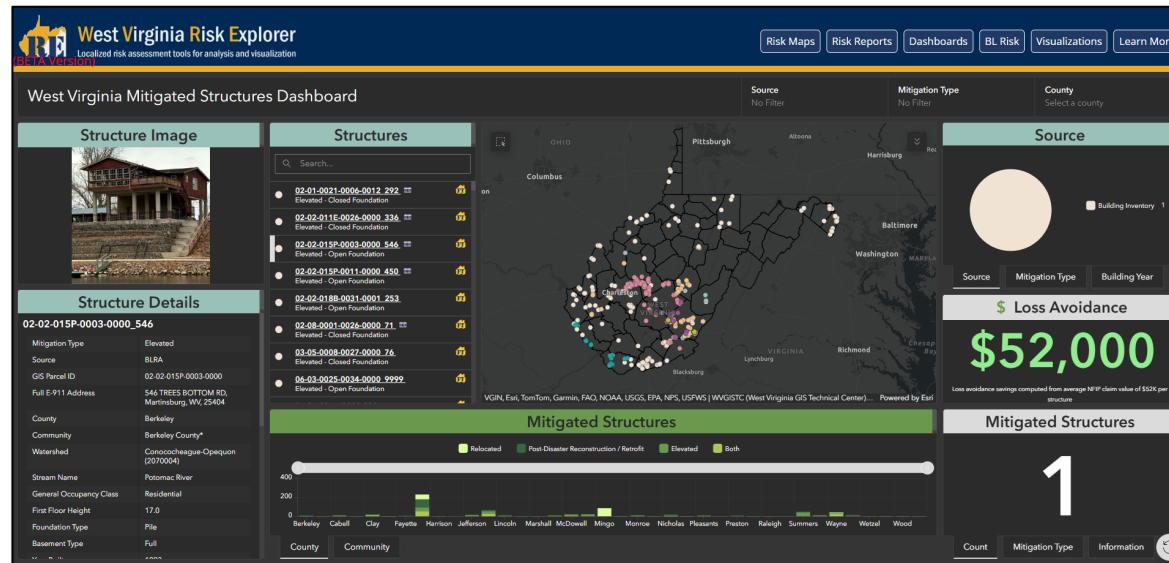
3D Movie for Marlinton

# West Virginia Risk Explorer (WVRE)...



## Mitigation Assessment Tools:

- Mitigated Structures Dashboard
- Open-Space Mitigation Dashboard



**West Virginia Risk Explorer**  
Localized risk assessment tools for analysis and visualization  
**BETA Version**

**West Virginia Mitigated Structures Dashboard**

Structure Image: A photograph of a house with a porch and steps.

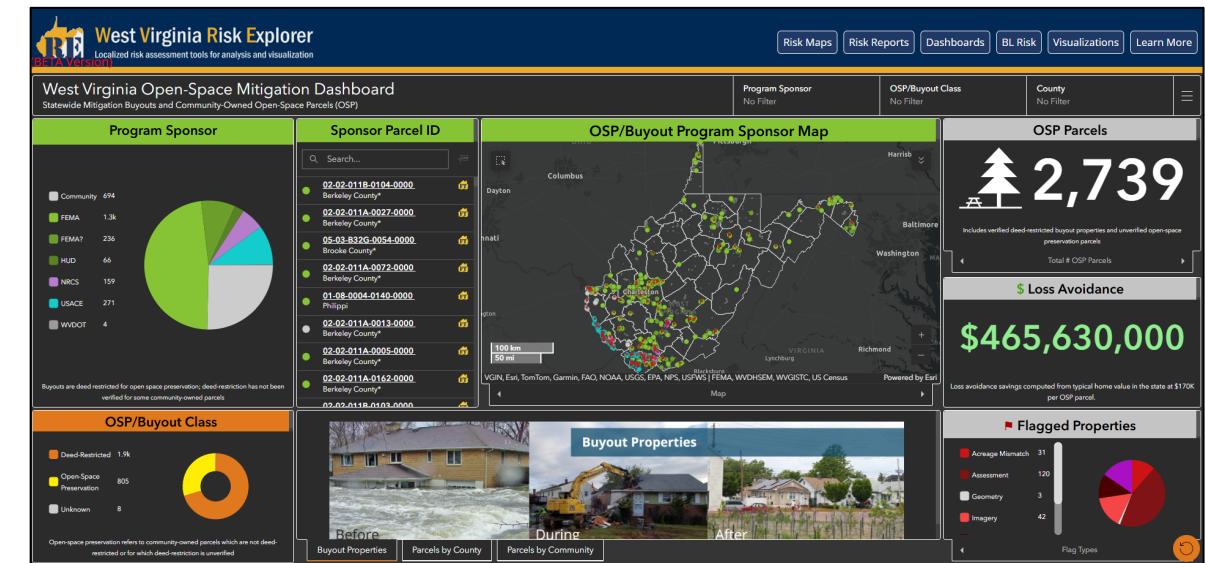
Structure Details: 02-01-015P-0003-0000\_546. Mitigation Type: Elevated. Source: BLBA. GIS Parcel ID: 03-02-015P-0003-0000. Full E-911 Address: 546 TREES BOTTOM RD, Martinsburg, WV 25404.

Structures: A map of West Virginia showing numerous mitigation projects across the state. A callout box shows "Loss Avoidance" of \$52,000.

Mitigated Structures: A bar chart showing the count of structures by mitigation type: Relocated, Post-Disaster Reconstruction / Retrofit, Elevated, and Both.

Source: A pie chart showing the distribution of mitigation sources: Building Inventory (1).

Count: 1



**West Virginia Risk Explorer**  
Localized risk assessment tools for analysis and visualization  
**BETA Version**

**West Virginia Open-Space Mitigation Dashboard**  
Statewide Mitigation Buyouts and Community-Owned Open-Space Parcels (OSP)

Program Sponsor: A pie chart showing the distribution of program sponsors: Community (694), FEMA (13k), FEMAT (236), HUD (66), NRCS (159), USACE (271), and WVDOIT (4).

Sponsor Parcel ID: A list of sponsor parcel IDs with county names: Berkeley County\*, Brooke County\*, Cabell County\*, Fayette County\*, Harrison County\*, Kanawha County\*, Lewis County\*, Marion County\*, Mineral County\*, Monroe County\*, Putnam County\*, Raleigh County\*, Summers County\*, and Wayne County\*.

OSP/Buyout Program Map: A map of West Virginia showing the locations of OSP parcels across the state.

OSP Parcels: A large green number 2,739. Includes verified deed-restricted buyout properties and unverified open-space preservation parcels.

Loss Avoidance: A large green number \$465,630,000. Loss avoidance savings computed from typical home value in the state at \$170K per OSP parcel.

Buyout Properties: Three images showing "Before", "During", and "After" scenes of a property being demolished.

Flagged Properties: A pie chart showing the distribution of flagged properties: Acreage Mismatch (31), Assessment (120), Geometry (3), and Imagery (42).

# Future Direction

Finalizing the Hazard Library (soon)

Future Maintenance and data updates?

Training?

Please  
start using  
the new  
tools!



# Recent Flood, Feb. 2025



Welch, McDowell County, Feb. 2025



Welch, McDowell County, Feb. 2025



McDowell County, Feb. 2025

## Highlights:

**Mobile Homes**, vulnerable and challenging to manage

**Significant Structures** flooded

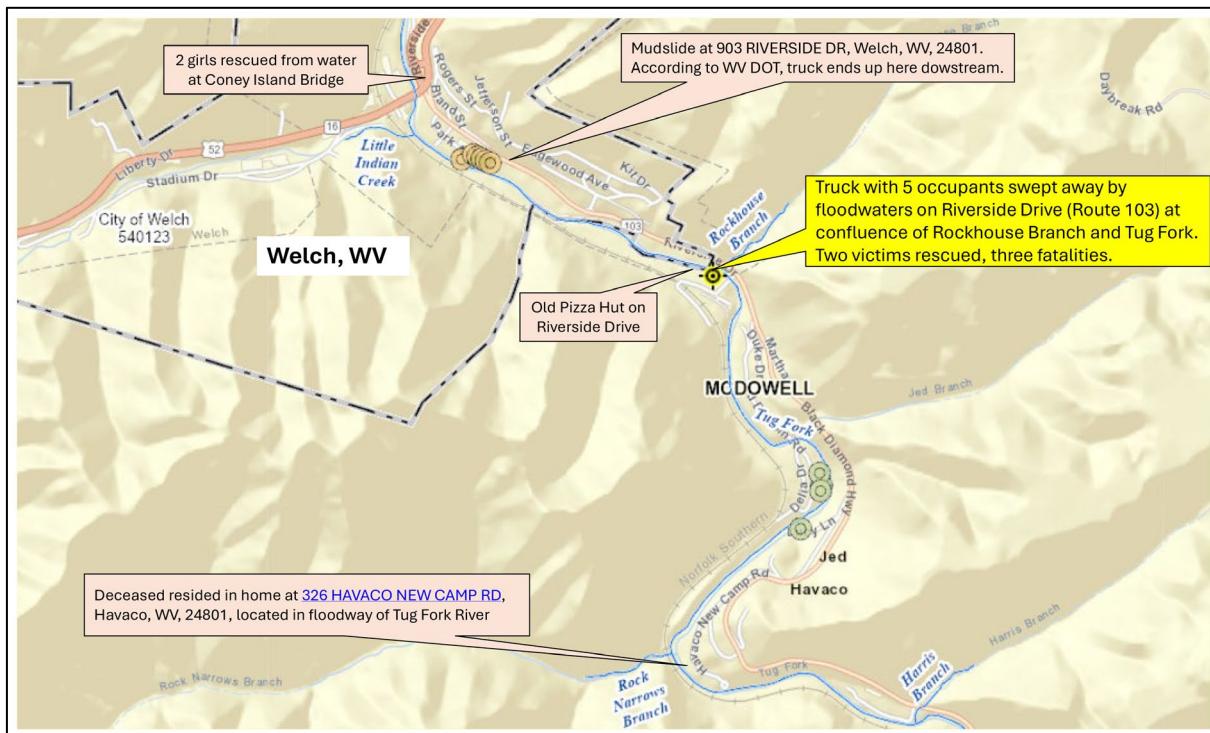
**Mitigation Efforts**, building to higher protection levels



Mingo County, Feb. 2025

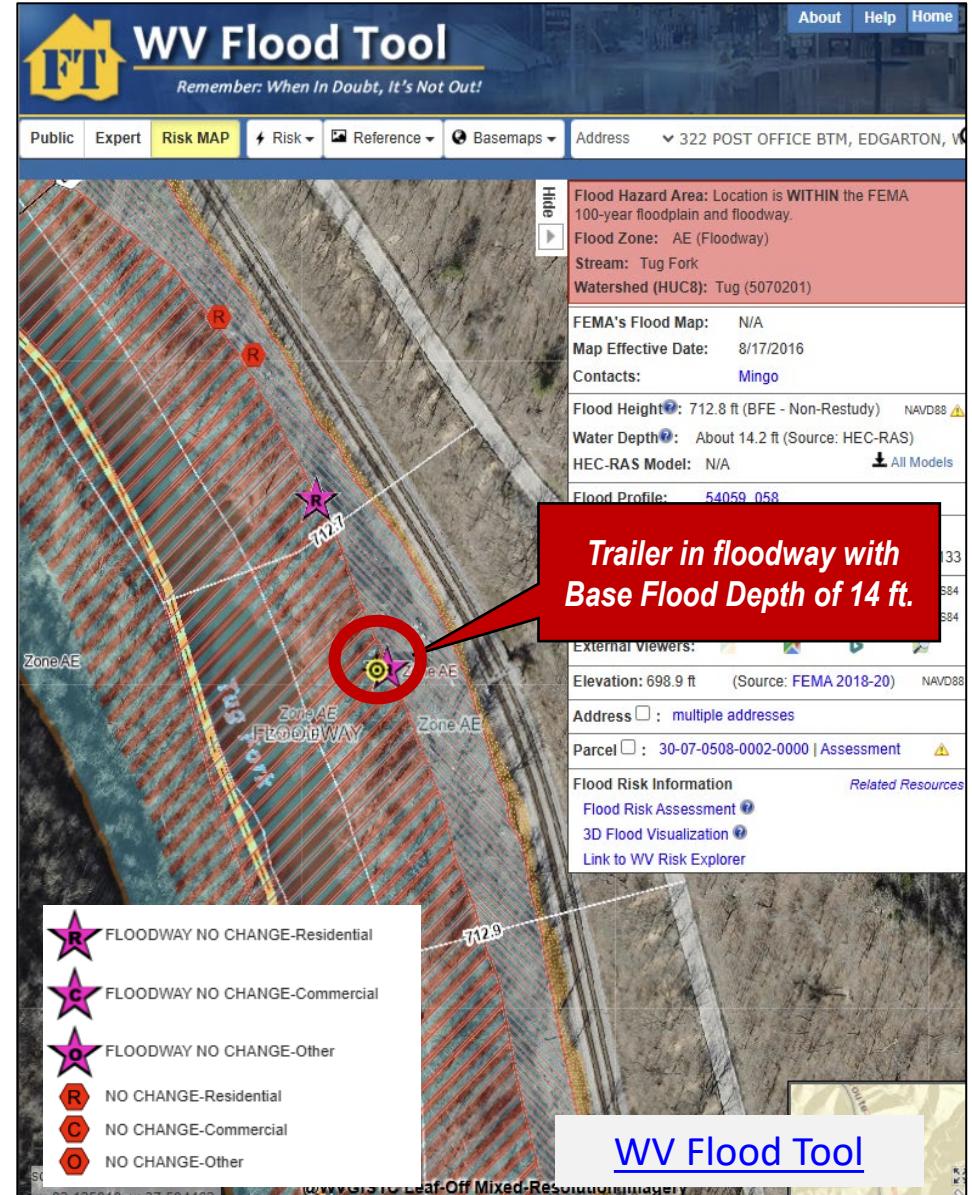
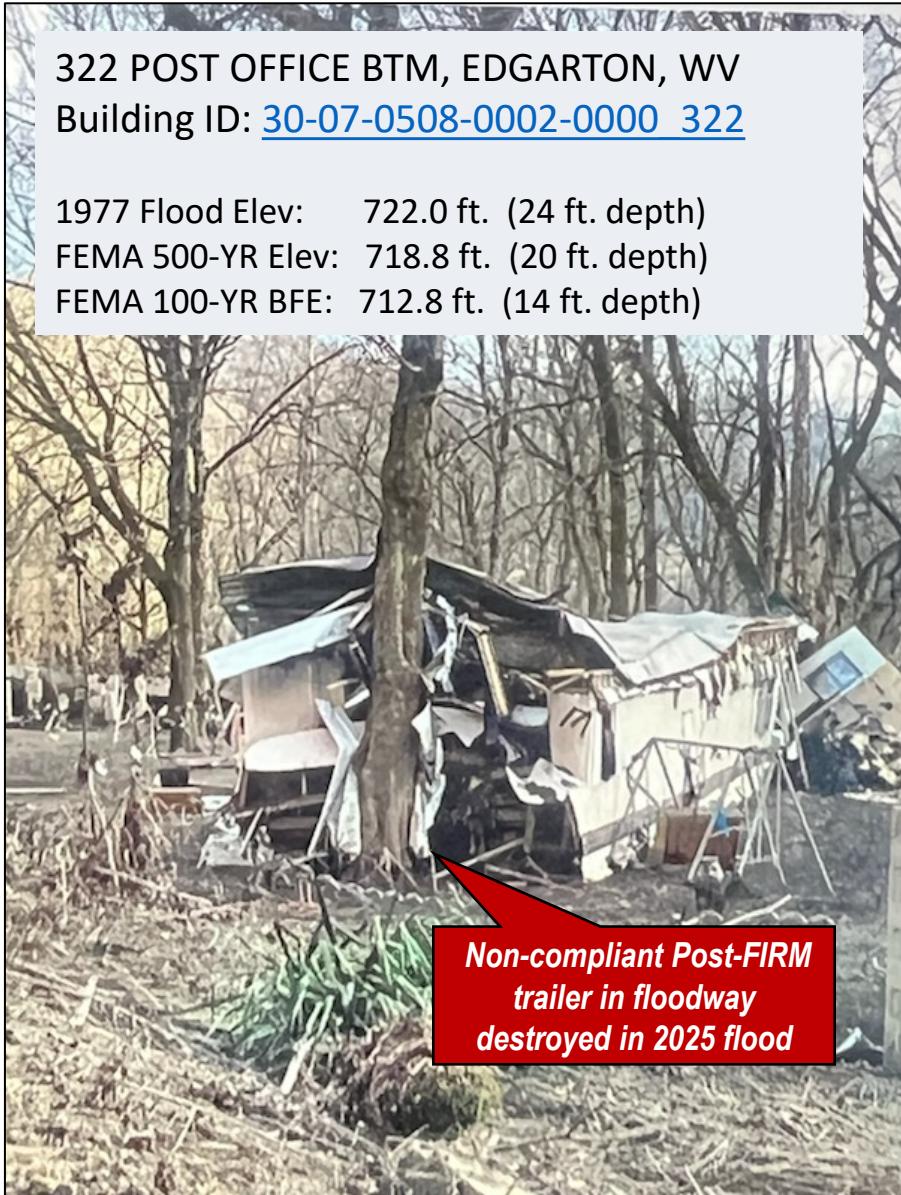


Mingo County, Feb. 2025



Williamson, Mingo County, Feb. 2025

# Mobile Home in Floodway Destroyed (Edgarton, Mingo)

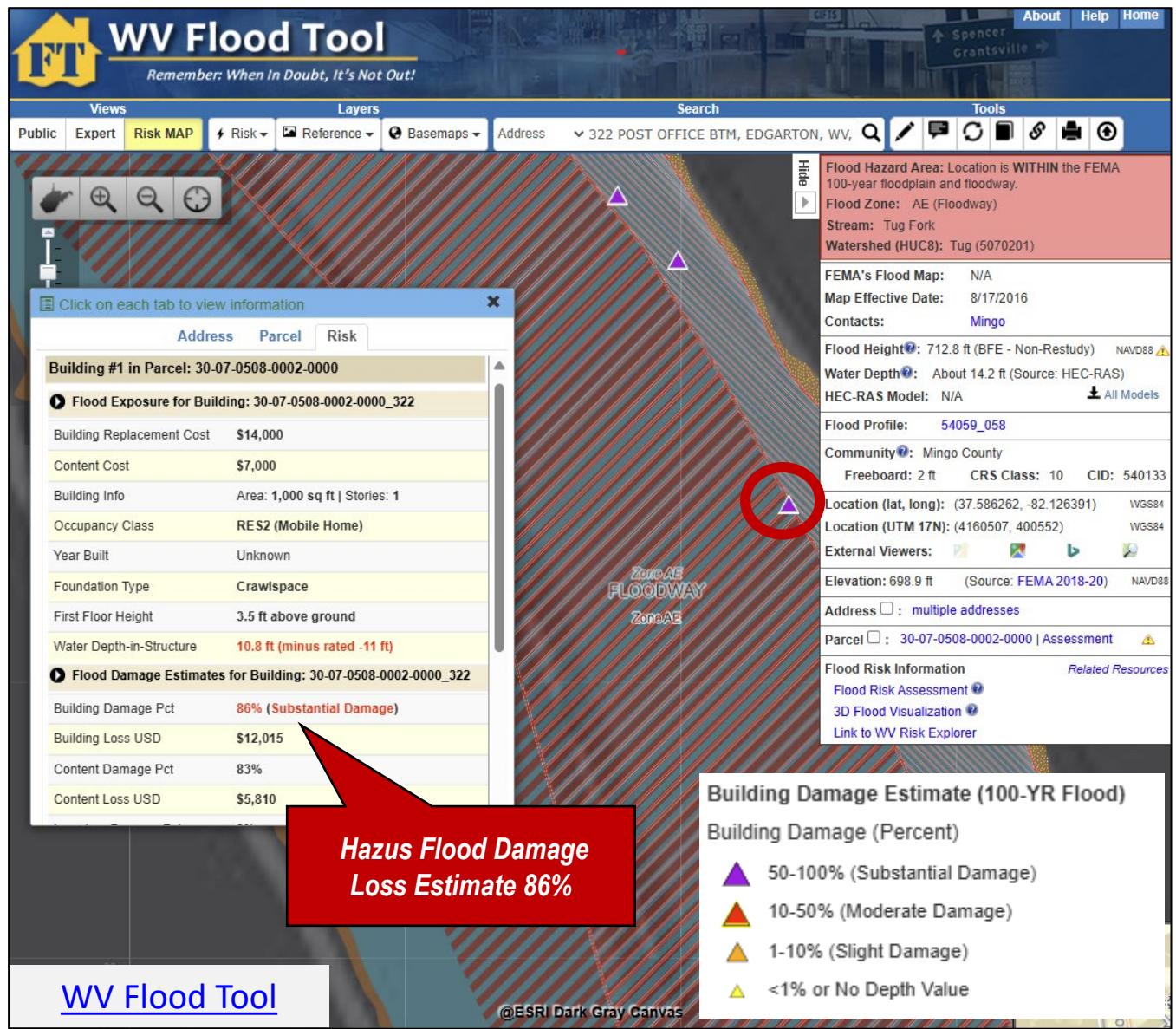


# Mobile Home in Floodway Destroyed (Edgarton, Mingo)...



322 POST OFFICE BTM, EDGARTON, WV  
Building ID: [30-07-0508-0002-0000 322](#)

1977 Flood Elev: 722.0 ft. (24 ft. depth)  
FEMA 500-YR Elev: 718.8 ft. (20 ft. depth)  
FEMA 100-YR BFE: 712.8 ft. (14 ft. depth)



# Mobile Home in Floodway Destroyed (Edgarton, Mingo)...



WV Risk Explorer's BL Risk Tool for Primary Structures in Floodplain  
<< Mingo County [Query](#) on highest estimated Flood Depths >>

**West Virginia Risk Explorer**  
Localized risk assessment tools for analysis and visualization  
(BETA Version)

Select Geographic Scale      Select Geographic Entity  
County      Mingo

**PRIMARY STRUCTURES TABLE**  
Report Date: March 2025

COLUMNS      Advanced Search      Metadata

SQL Filter: County = Mingo      SQL Filter: Stream\_Name NOT\_IN (Trace Fork)      Clear all Filters

3509 Records Selected. Export to [CSV](#) (2000 record limit)

SPATIAL IDENTIFIERS			GEOGRAPHIC UNITS		FLOOD ZONE		BUILDING CHARACTERISTICS		BUILDING DAMAGE ESTIMATE	
Building ID	E-911 Address	Flood Tool	Community	Stream	Flood Zone	In Floodway	General Occupancy	Specific Occupancy	Flood Depth	Bldg. Damage %
<a href="#">30-07-0508-0002-0000 308</a>	308 POST OFFICE BTM, EDGARTON, WV, 25672		Mingo County* - Unincorporated	Tug Fork	AE	Yes	Residential	RES2	14.8 Ft	86%
<a href="#">30-07-0508-0002-0000 322</a>	322 POST OFFICE BTM, EDGARTON, WV, 25672		Mingo County* - Unincorporated	Tug Fork	AE	Yes	Residential	RES2	14.3 Ft	85%
<a href="#">30-11-001A-0001-0000 320</a>	320 STEPP BLVD, WEST WILLIAMSON, WV, 25661		Williamson - Incorporated	Tug Fork	AE	Yes	Non-Residential	COM2	12.6 Ft	39%
<a href="#">30-10-0001-0123-0000 139</a>	139 DILLON LN, CHATTAROY, WV, 25667		Mingo County* - Unincorporated	Buffalo Creek	AE	No	Non-Residential	GOV1	12.1 Ft	33%
<a href="#">30-11-0007-0233-0000 317</a>	317 E FOURTH AVE, WILLIAMSON, WV, 25661		Williamson - Incorporated	Tug Fork	AE	Yes	Non-Residential	COM4	12.1 Ft	54%
<a href="#">30-05-0001-0027-0000 57</a>	57 TUSCANY LN, EAST KERMIT, WV, 25674		Mingo County* - Unincorporated	Tug Fork	AE	Yes	Residential	RES1	11.8 Ft	74%
<a href="#">30-10-0008-0016-0000 9996</a>	9996 SR 49, RAWL, WV, 25691		Mingo County* - Unincorporated	Tug Fork	AE	No	Residential	RES1	10.6 Ft	82%
<a href="#">30-10-0008-0015-0000 9997</a>	9997 SR 49, RAWL, WV, 25691		Mingo County* - Unincorporated	Tug Fork	AE	No	Residential	RES1	10.4 Ft	81%
<a href="#">30-03-0302-0056-0002 277</a>	277 OLD FIELD BR, MAHER, WV, 25661		Mingo County* - Unincorporated	Tug Fork	AE	No	Residential	RES1	10.3 Ft	81%
<a href="#">30-10-0008-0020-0000 9998</a>	9998 SR 49, RAWL, WV, 25691		Mingo County* - Unincorporated	Tug Fork	AE	No	Residential	RES1	9.9 Ft	81%

Rows per page: 10      10 of 3509      [Next >](#)      [Last >>](#)

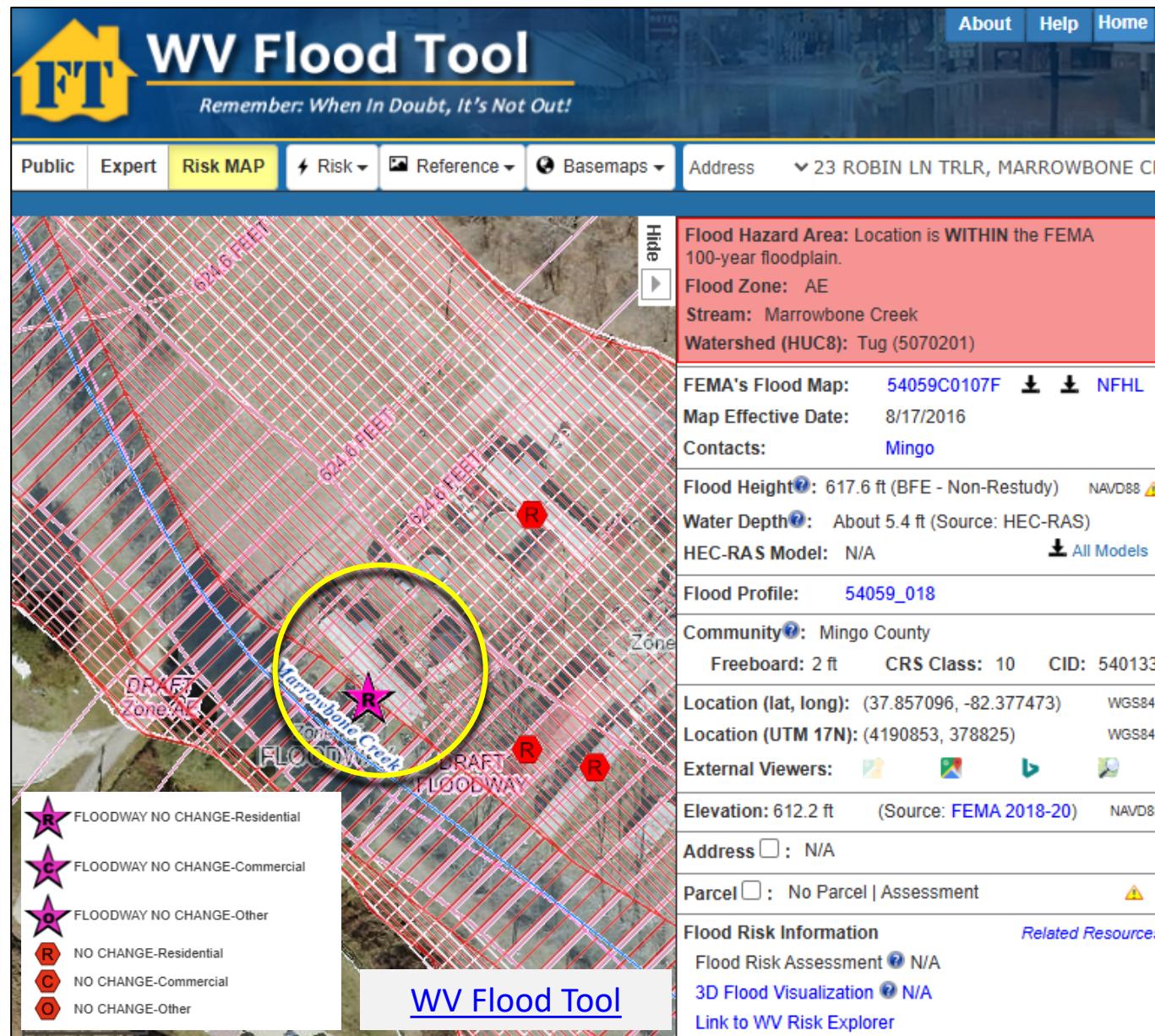
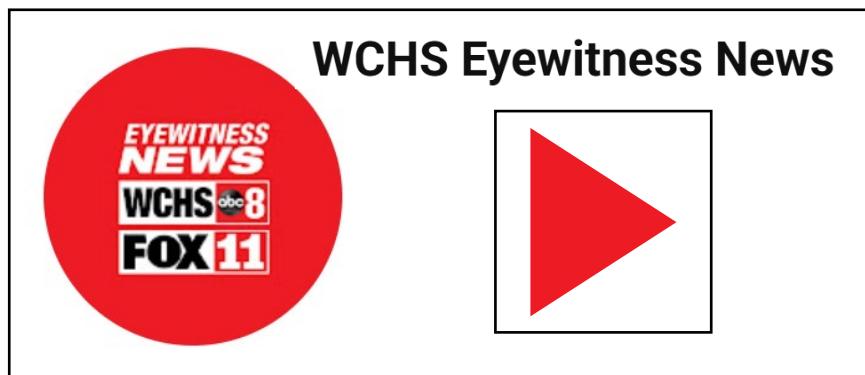
**Trailer [30-07-0508-0002-0000 322](#) that was destroyed in 2025 Flood was the second highest damage loss estimate for Mingo County**

322 POST OFFICE BTM, EDGARTON, WV  
Building ID: [30-07-0508-0002-0000 322](#)

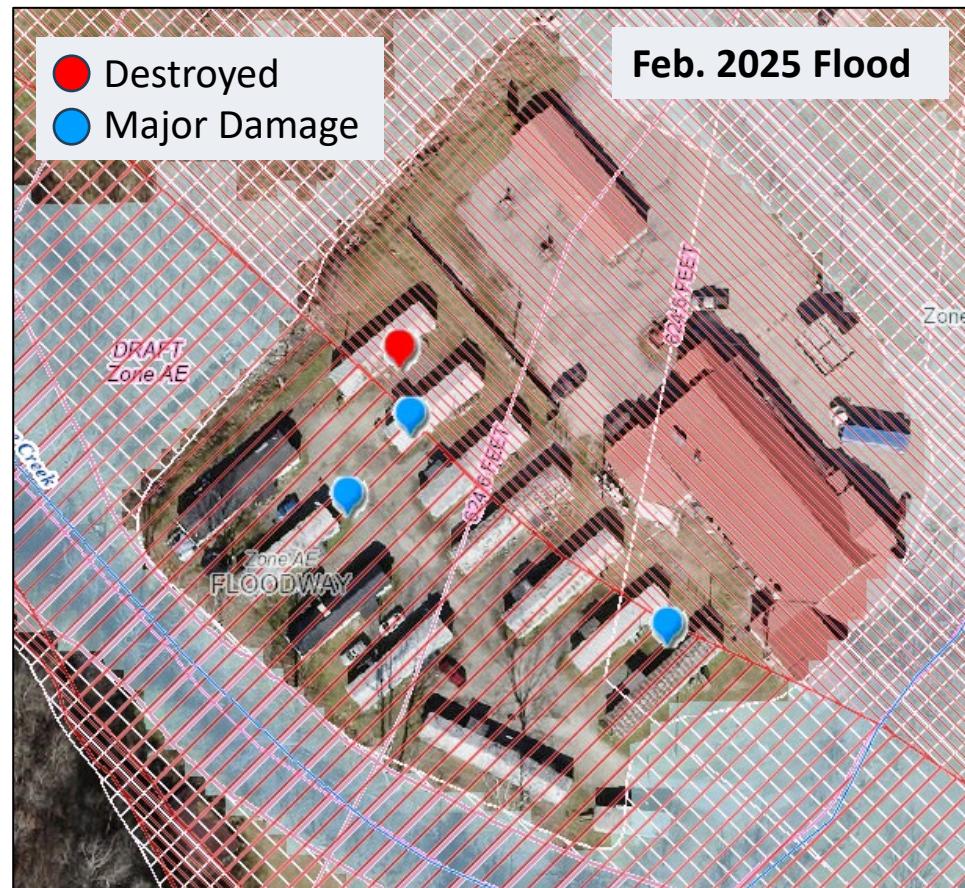
# Mobile Home in Floodway Destroyed (Mingo County)



23 ROBIN LN TRLR, MARROWBONE CREEK, WV  
Building ID: [30-05-0221-0065-0001\\_23](#)



# Mobile Home Park in Floodway (Mingo County)



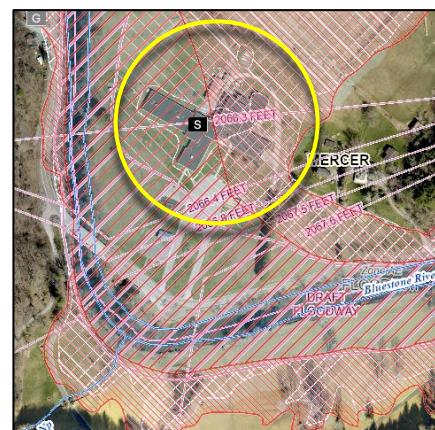
# Flooded Significant Structures, Feb. 2025



**Jan-Care of Guardian Angel (EMS)**  
**Welch, McDowell County**  
**Inundated, Feb. 2025**  
Building ID: [27-15-0002-0247-0000\\_58](#)



**Williamson Water Plant (Veolia Water)**  
**Williamson, Mingo County**  
**Inundated, Feb. 2025**  
Building ID: [30-11-0007-0233-0000\\_317](#)



**Spanishburg Elementary School**  
**Mercer County**  
**Inundated, Feb. 2025**  
Building ID: [28-11-0026-0075-0000\\_8544](#)



# Flooded Significant Structures, Feb. 2025...



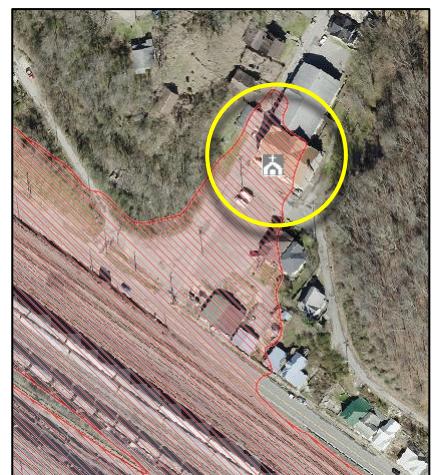
**Borderland Baptist Church**  
**Mingo County**  
**Inundated, Feb. 2025**  
Building ID: [30-10-362K-0010-0000\\_46](#)



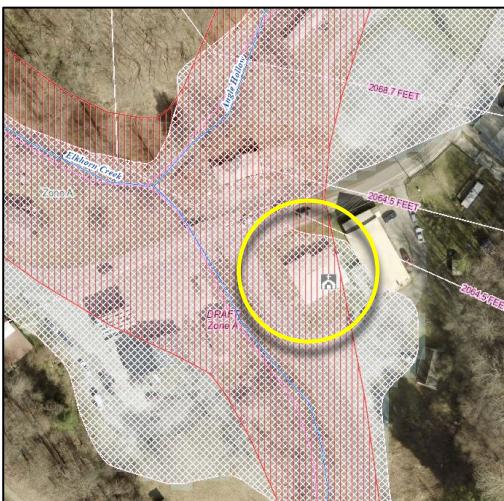
**Cornerstone Church**  
**Matewan, Mingo County**  
**Inundated, Feb. 2025**  
Building ID: [30-08-0009-0071-0000\\_1028](#)

**East Williamson Baptist Church**  
**Williamson, Mingo County**  
**Inundated, Feb. 2025**  
Building ID: [30-11-0010-0098-0000\\_9999](#)

[Query: Mingo County, Significant Structures, Religious](#)



**WES WILSON**  
PHOTOGRAPHY



**Church Of God Ennis & Maybeury**  
**McDowell County**  
**6 inches of water in basement, Feb. 2025**  
Building ID: [27-06-0011-0019-0000\\_40150](#)



# Mingo County – Borderland Church (Borderland, WV)



## Borderland Church Flood Elevations



46 DESKINS DR, BORDERLAND, WV, 25661

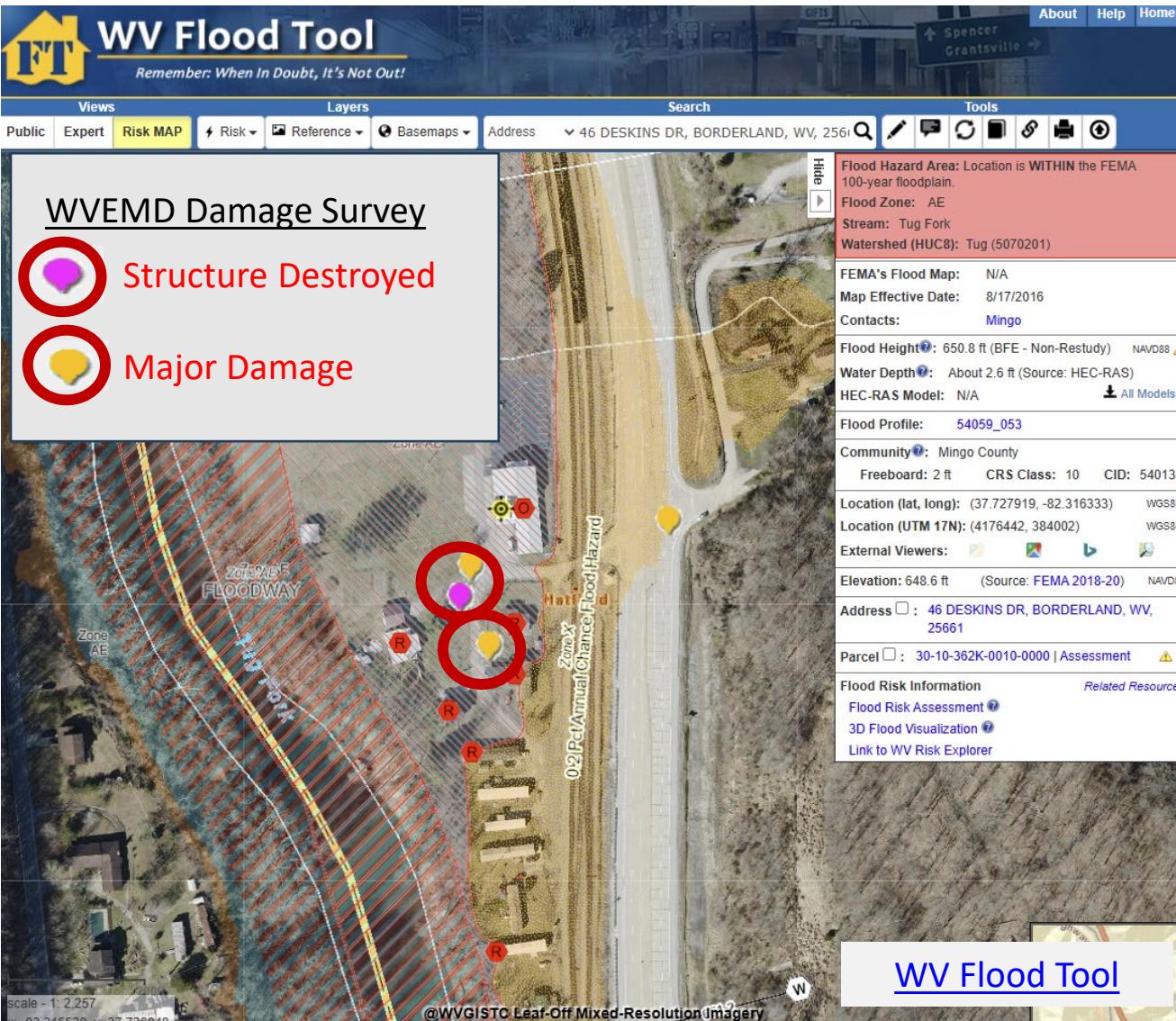
Building ID: [30-10-362K-0010-0000 46](#)

1977 Flood Elev: 659.8 ft. (9 ft. depth)

FEMA 500-YR Elev: 659.8 ft. (9 ft. depth)

2025 Flood Elev: 655.8 ft. (5 ft.; [4 to 5 feet in sanctuary](#))

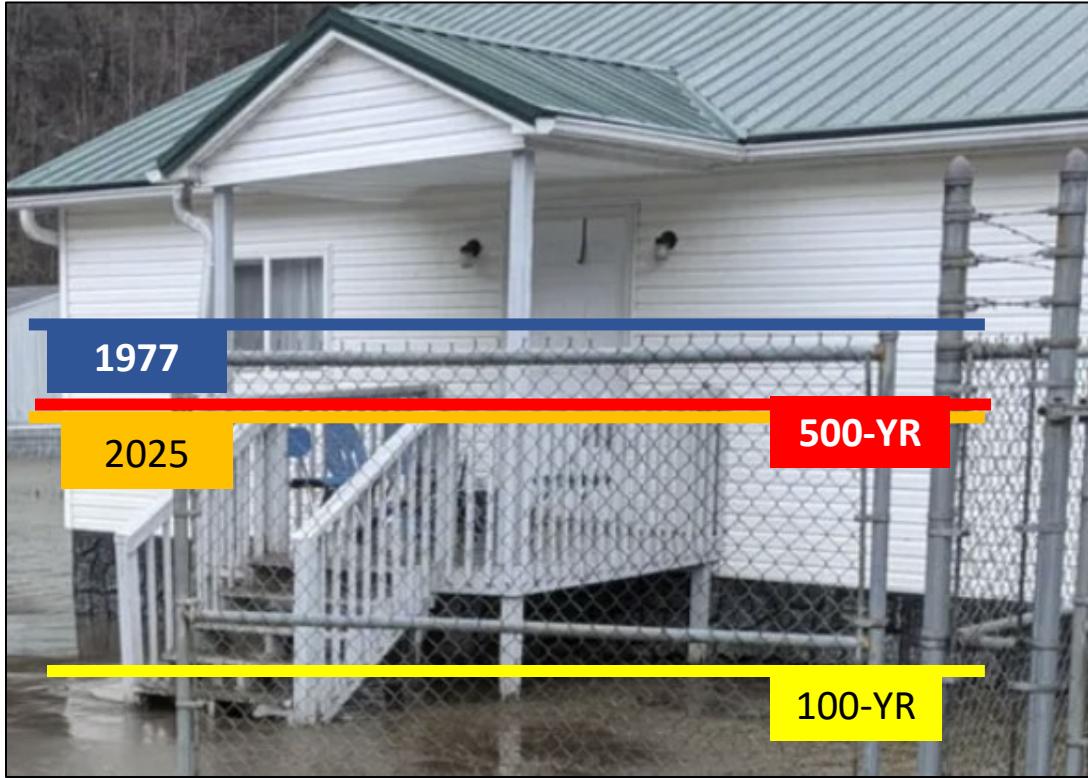
FEMA 100-YR BFE: 650.8 ft. (2.6 ft. depth)



# Mingo County – Cornerstone Church (Matewan, WV)



## Cornerstone Church Flood Elevations



1028 SR 49, MATEWAN, WV, 25678

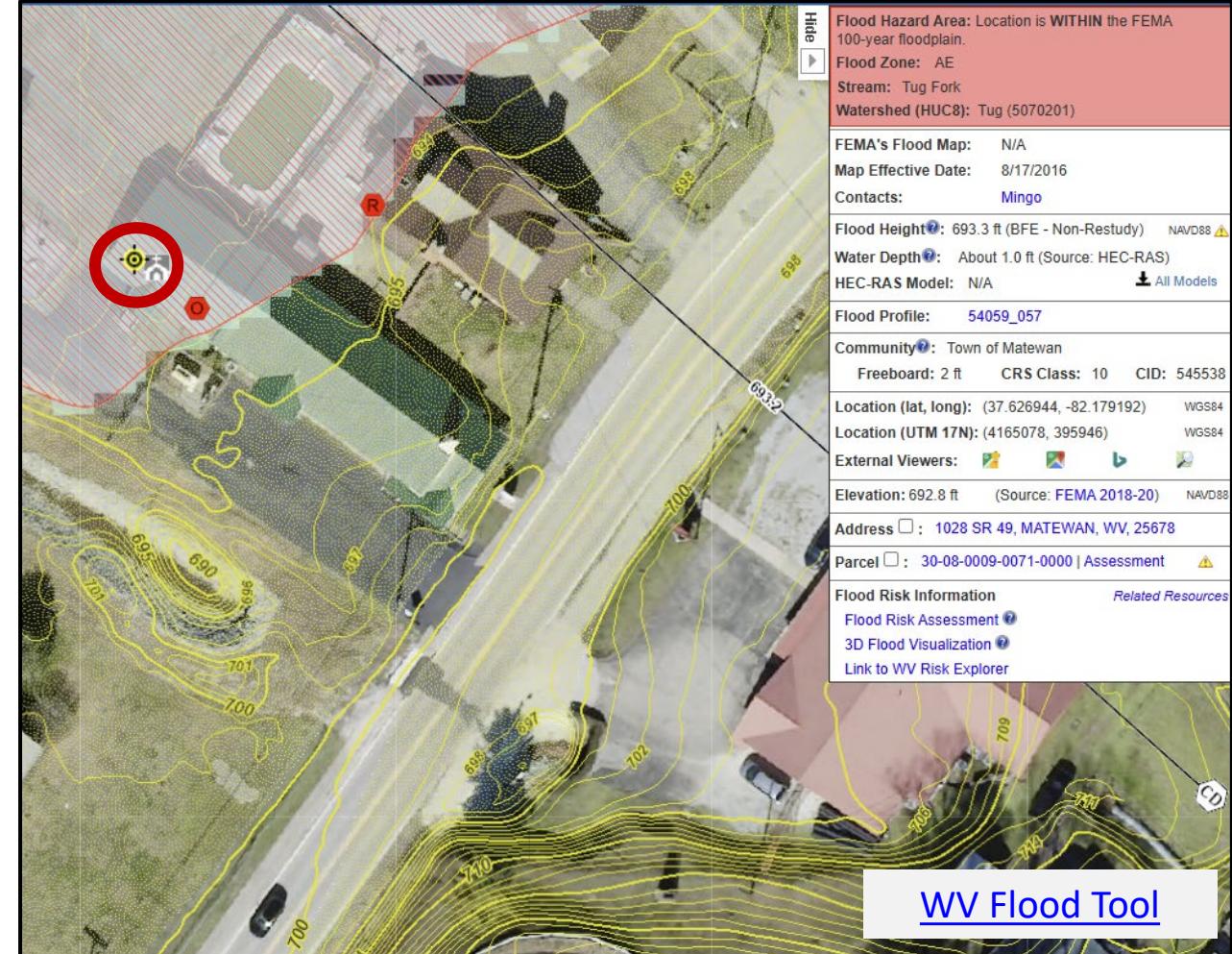
Building ID: [30-08-0009-0071-0000 1028](#)

1977 Flood Elev: 701.3 ft. (8 ft. depth)

FEMA 500-YR Elev: 699.5 ft. (6 ft. depth)

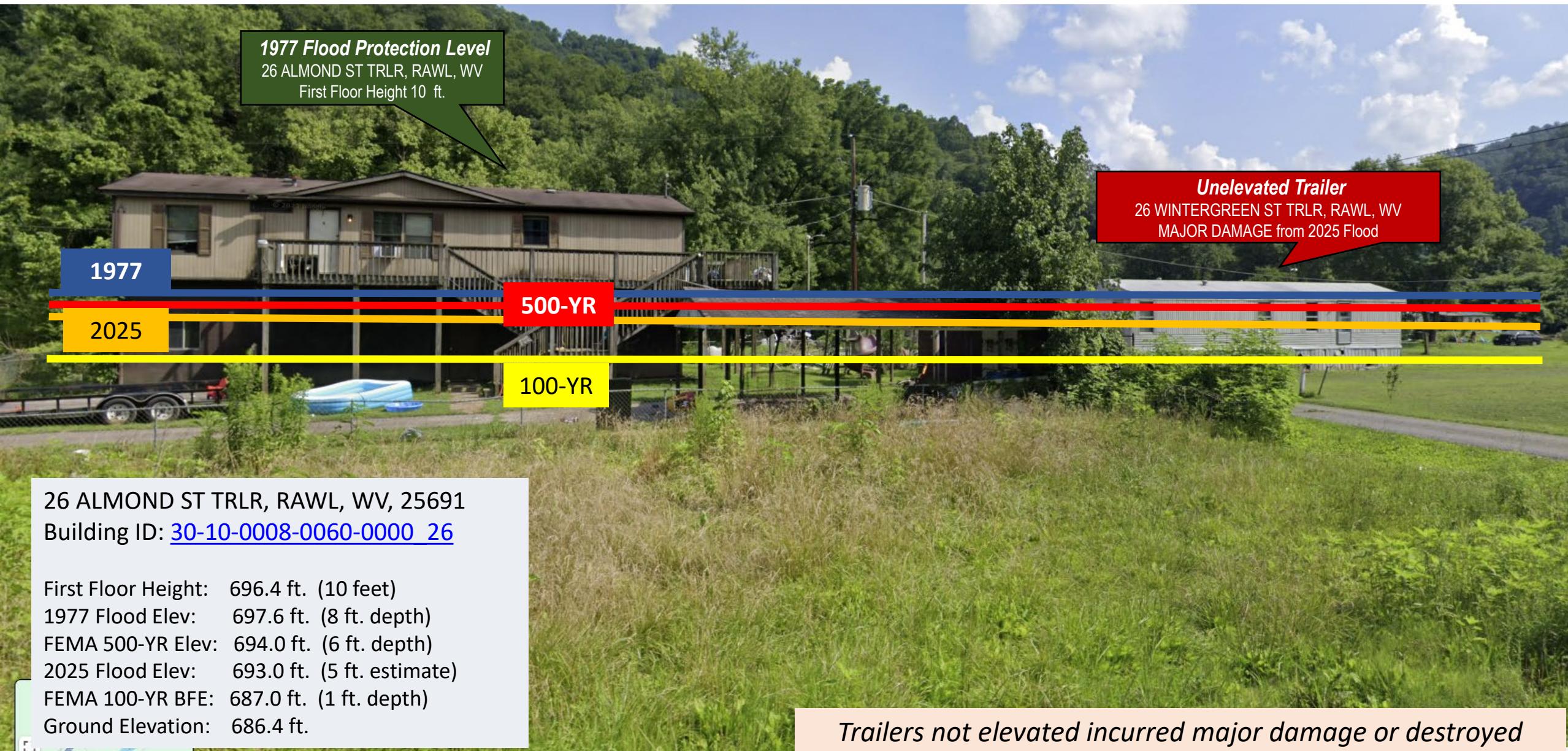
2025 Flood Elev: 699.5 ft. (6 ft.; [2 ft. reported in sanctuary](#))

FEMA 100-YR BFE: 693.3 ft. (1 ft. depth)



*Preliminary damage assessment reveals 2025 Flood for this location similar magnitude of FEMA 500-yr Flood Model*

# Mingo County – Trailers at Rawl, WV



# Mingo County – Trailers at Rawl, WV

[WV Flood Tool](#)

Views      Layers      Search      Tools

Public    Expert    **Risk MAP**    Risk    Reference    Basemaps    Address    1028 SR 49, MATEWAN, WV, 25678   

**WVEMD Damage Survey**

- Structure Destroyed**
- Major Damage**

**1977 Flood Protection Level**  
26 ALMOND ST TRLR, RAWL, WV  
First Floor Height 10 ft.

**Mitigated Structure**

Building ID	30-10-0008-0060-0000_26
Mitigation Source	USACE (5524FP)
Mitigation Type	Elevated - Closed Foundation (≥5ft)
Building Info	Solid Wall   FFH 10 ft.   Built 1989
View Dashboard	<a href="#">Link</a>

**Picture**

[Zoom to](#)

**Flood Hazard Area:** Location is **WITHIN** the FEMA 100-year floodplain.

**Flood Zone:** AE

**Stream:** Tug Fork

**Watershed (HUC8):** Tug (5070201)

**FEMA's Flood Map:** N/A

**Map Effective Date:** 8/17/2016

**Contacts:** [Mingo](#)

**Flood Height:** 687.0 ft (BFE - Non-Restudy) NAVD88

**Water Depth:** About 0.6 ft (Source: HEC-RAS)

**HEC-RAS Model:** N/A [All Models](#)

**Flood Profile:** [54059\\_056](#)

**Community:** Mingo County

Freeboard: 2 ft    CRS Class: 10    CID: 540133

Location (lat, long): (37.648942, -82.188113) WGS84

Location (UTM 17N): (4167529, 395190) WGS84

External Viewers:

Elevation: 686.4 ft (Source: FEMA 2018-20) NAVD88

**Address:**  26 ALMOND ST TRLR, RAWL, WV, 25691

**Parcel:**  30-10-0008-0060-0000 | Assessment

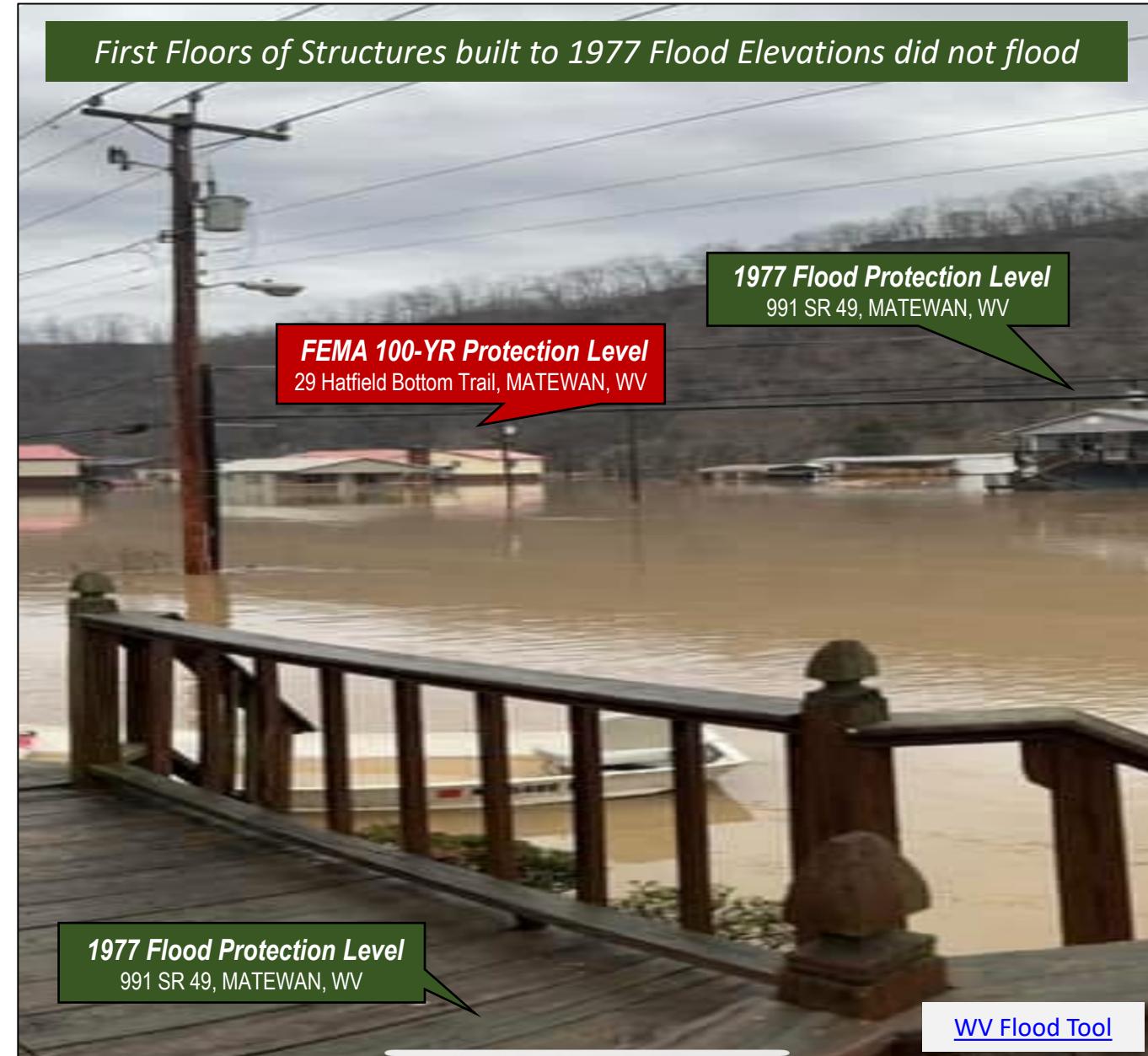
**Flood Risk Information** [Related Resources](#)

Flood Risk Assessment   
3D Flood Visualization   
[Link to WV Risk Explorer](#)

**Trailers not elevated incurred major damage or destroyed**

26 ALMOND ST TRLR, RAWL, WV, 25691  
Building ID [30-10-0008-0060-0000\\_26](#)

# Mingo County – New 2024 Cabin (Matewan, WV)



29 Hatfield Bottom Trail (Built in July 2024)

Building ID: [30-08-0008-0016-0000 29](#)

FEMA 500-YR Elev: 699.0 ft. (6.6 ft. depth)

1977 Flood Elev: 698.3 ft. (5.9 ft. depth)

2025 Flood Elev: 697.7 ft. (5.4 ft.; 2 feet reported in cabin)

First Floor Height: 695.7 ft. (3.4 feet above ground)

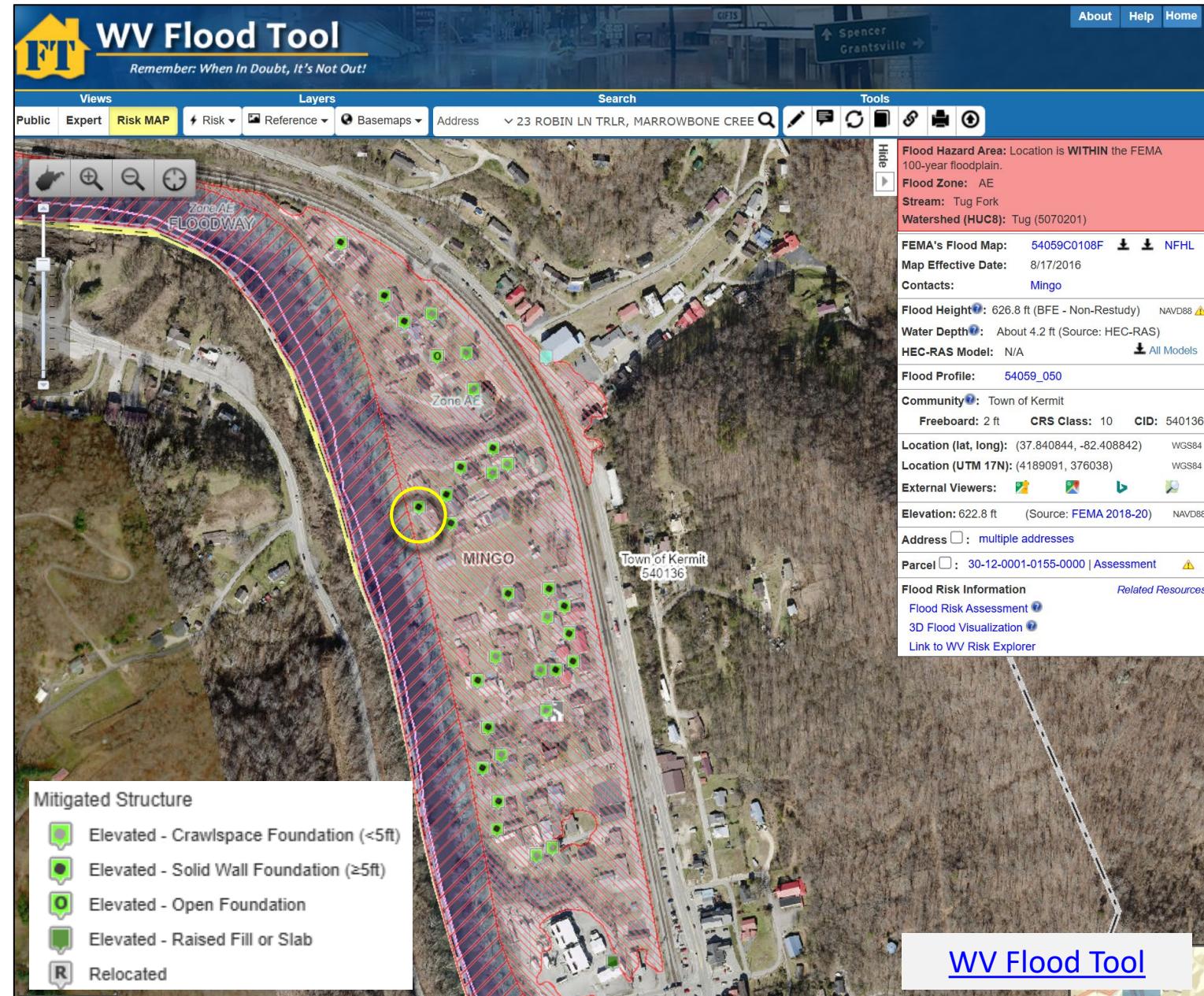
FEMA 100-YR BFE: 693.0 ft. (0.8 ft. depth)

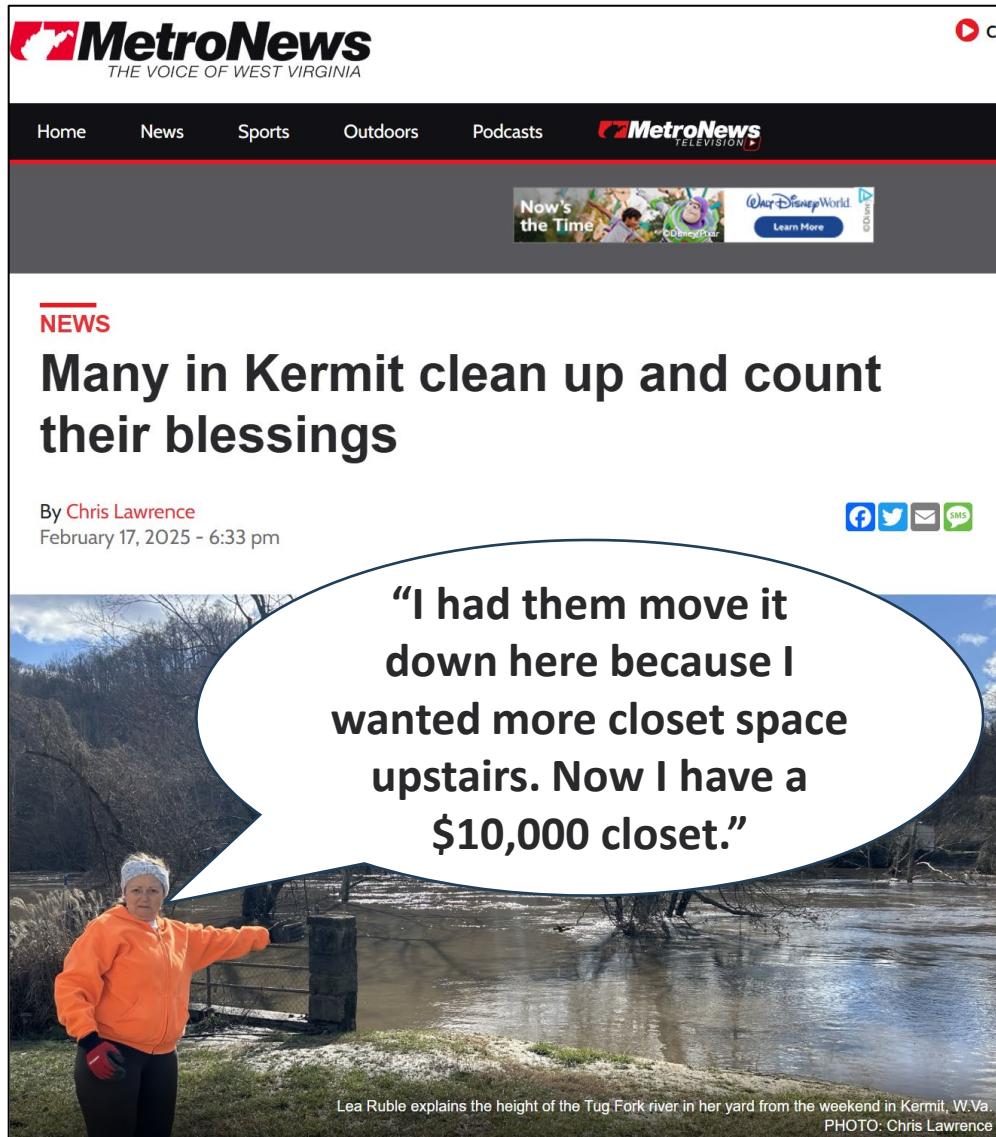
LAG from EC: 692.4 ft. (Finished Grade)

# Mitigated Structures in Kermit, Mingo County



The town of Kermit has one of the highest percentages in the state of mitigated structures in high-risk flood areas





The screenshot shows the MetroNews website with a red header bar. The header includes the MetroNews logo, a "Cu" icon, and a "MetroNews TELEVISION" logo. Below the header is a navigation bar with links for Home, News, Sports, Outdoors, Podcasts, and a "MetroNews TELEVISION" link. A banner for "Now's the Time" and "Walt Disney World" is visible. The main content area features a red "NEWS" header and the headline "Many in Kermit clean up and count their blessings" by Chris Lawrence, posted on February 17, 2025, at 6:33 pm. Below the headline is a large speech bubble containing a quote from Lea Ruble. At the bottom of the page is a photo of Lea Ruble standing by a flooded riverbank.

**Lea Ruble explains the height of the Tug Fork river in her yard from the weekend in Kermit, W.Va.**  
PHOTO: Chris Lawrence

**“I had them move it down here because I wanted more closet space upstairs. Now I have a \$10,000 closet.”**

**No living spaces below the mitigation level**  
**No utility equipment below the mitigation level**



85 BLANKENSHIP ST, KERMIT, WV  
Building ID: [30-12-0001-0261-0000 85](#)

# Thank you!

## Questions?



Framework website: [www.wvfrf.org](http://www.wvfrf.org)

WV Risk Explorer web tools: [www.wvfrf.org/wvre](http://www.wvfrf.org/wvre)

Email:

[kurt.donaldson@mail.wvu.edu](mailto:kurt.donaldson@mail.wvu.edu)

[behrang.bidadian@mail.wvu.edu](mailto:behrang.bidadian@mail.wvu.edu)