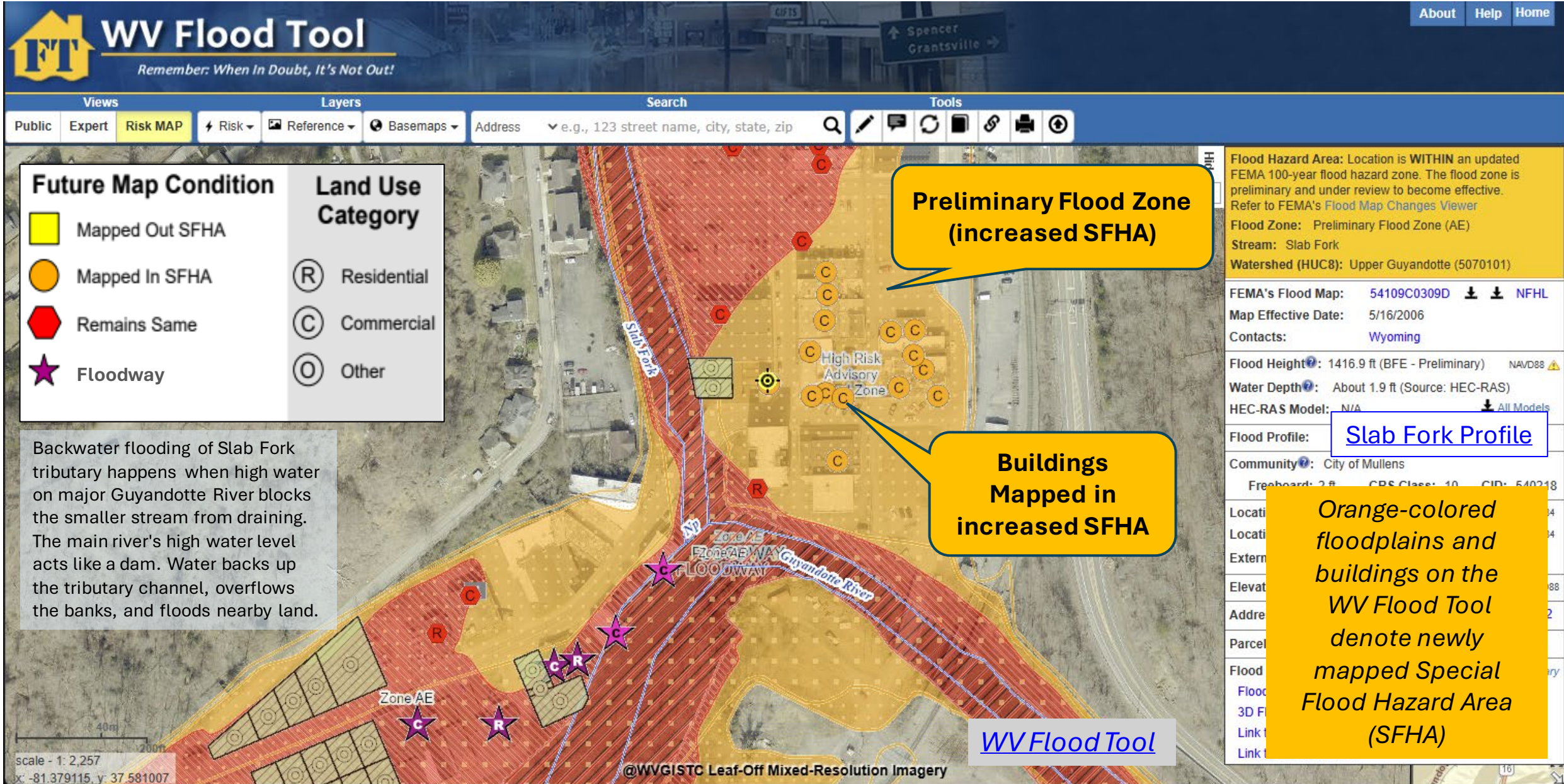
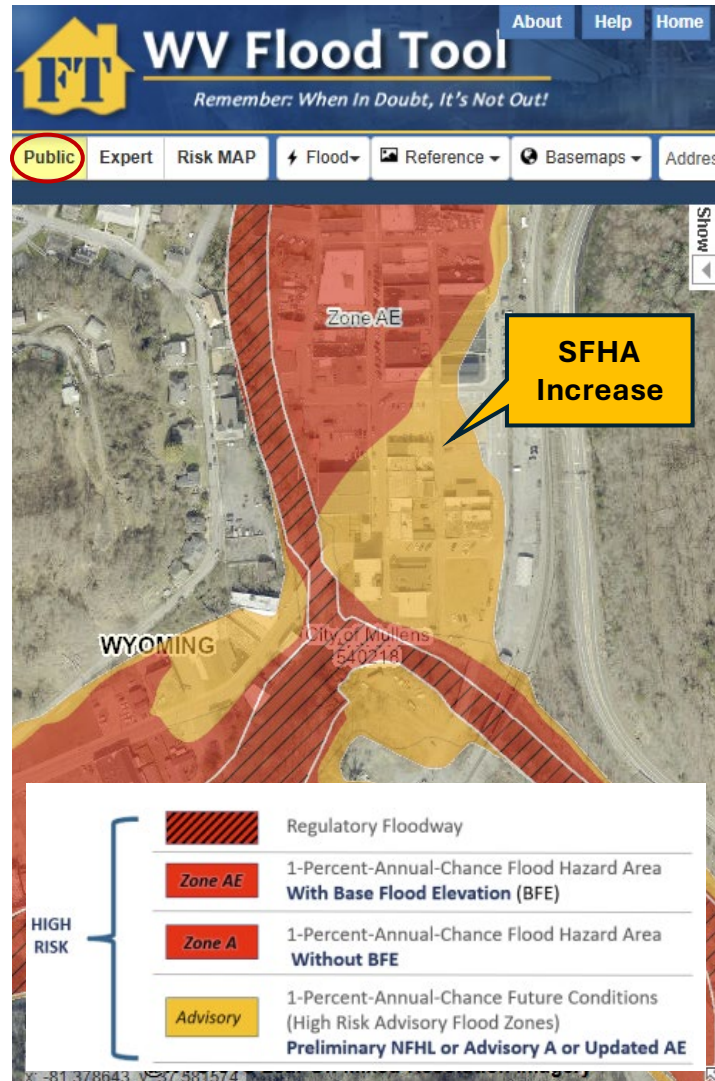


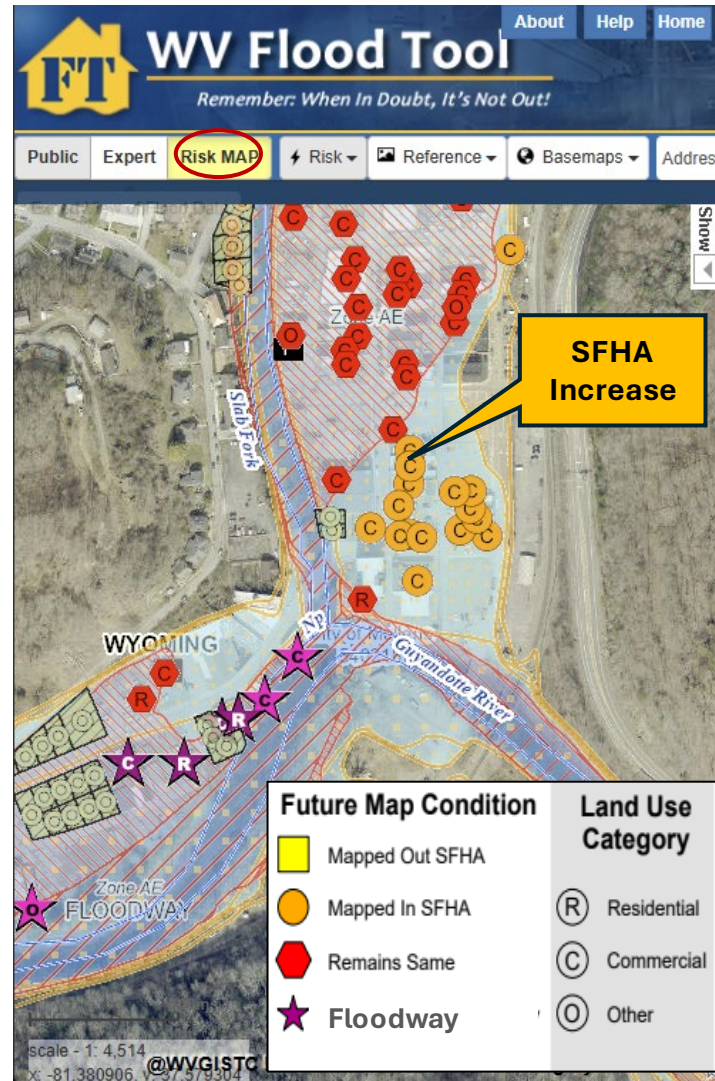
Map Changes on WV Flood Tool (Wyoming County)



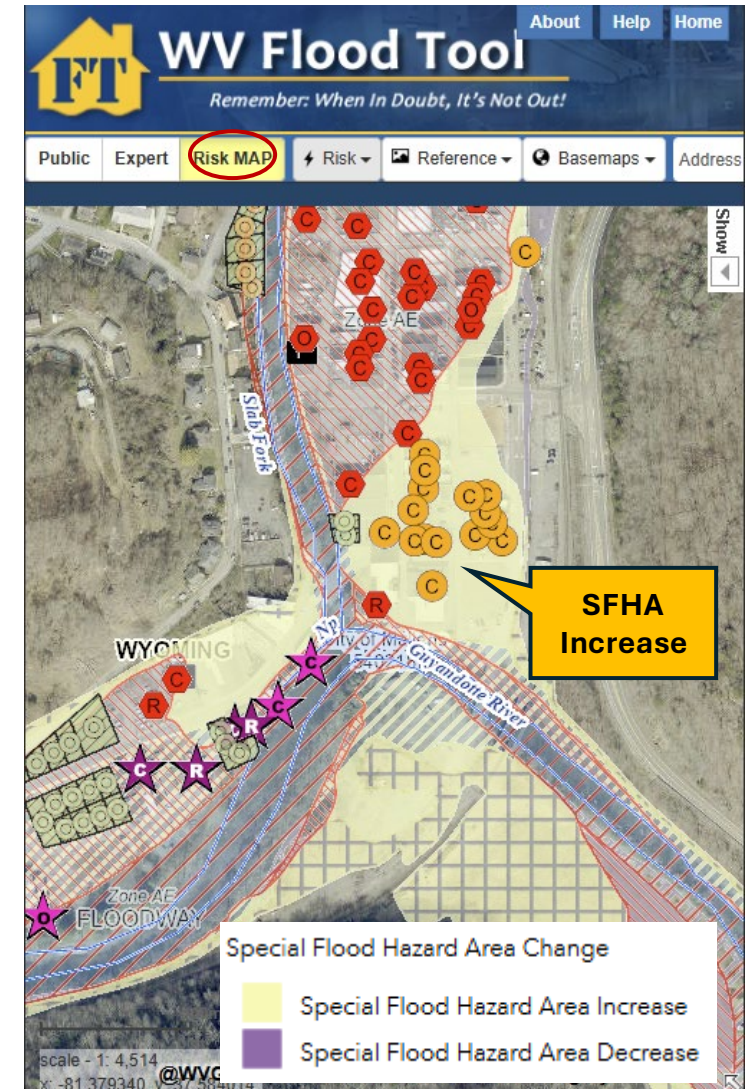
Map Changes on WV Flood Tool



Public View – Floodplains
SFHA Increase (orange)



Risk MAP View – Primary Structures
Buildings Mapped in SFHA (orange)



Risk MAP View – CSLF Layer
SFHA Increase (yellow)

Property-Level Risk: 2,628 Primary Structures

- **SFHA:** More buildings expected to be mapped in (+1,110) the SFHA than mapped out (-306)
Impact: Mandatory flood insurance requirement for federally-backed loans
- **Floodway:** 135 buildings are newly mapped in the expanded Regulatory Floodway
Impact: Engineering study requirement for new development
- **Flood Depths:** 11 buildings with high flood depths (> 10 ft.) are along the Guyandotte River & Beech Branch
Impact: Deeper flood waters make building elevation more expensive

PRELIMINARY FLOODPLAIN BUILDING COUNTS	Special Flood Hazard Area (SFHA) 1% Annual Chance (100-Yr) Floodplain				
	Remaining in SFHA	Newly Mapped in SFHA*	Newly Mapped Out SFHA*	Total Structures in New SFHA	SFHA Net Change
Mullens, City of	90	136	14	226	+122
Oceana, Town of	144	92	43	236	+49
Pineville, Town of	97	23	5	120	+18
Wyoming County* (Unincorporated)	1,187	859	244	2,046	+615
<i>Total</i>	1,518	1,110	306	2,628	+804

[BLRA Link](#)

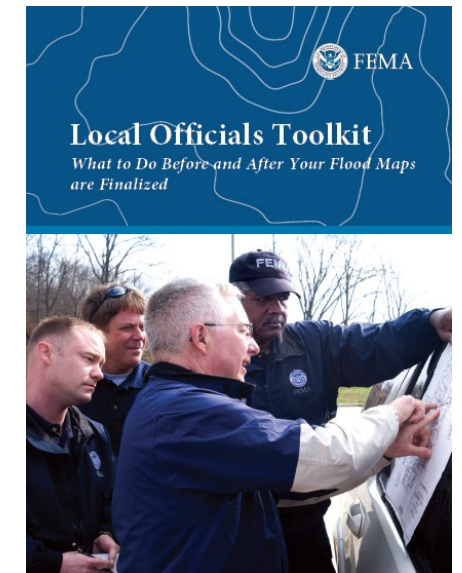
[BLRA Link](#)

[BLRA Link](#)

Floodway	
Total Floodway	Floodway Net Change*
26	+14
44	+34
5	0
150	+87
225	+135

[BLRA Link](#)

[BLRA Link](#)



Local Officials can mail **SFHA Map Change Letters of which the State NFIP Office can assist*

A significant number of buildings for the communities of Mullens and Oceana are mapped into the SFHA and Floodway

Property-Level Risk: 108 Significant Structures



West Virginia Risk Explorer

Localized risk assessment tools for analysis and visualization

☒ Essential Facility
 ☒ Community Asset Non-Historical
 ☒ Community Asset Historical

[Web link to online report](#)

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

SPATIAL IDENTIFIERS		SIGNIFICANT STRUCTURES		GEOGRAPHIC UNITS		BUILDING DAMAGE ESTIMATE
FT		Facility Name	Structure Category	Community	Stream	Flood Depth
		Wyoming County Economic Development Authority	Community Asset Non-Historical	Pineville - Incorporated	Guyandotte River	14.2 Ft
		Mullens Historic District	Community Asset Historical	Mullens - Incorporated	Guyandotte River	9.5 Ft
		Mullens Historic District	Community Asset Historical	Mullens - Incorporated	Guyandotte River	8.9 Ft
		Mullens Historic District	Community Asset Historical	Mullens - Incorporated	Guyandotte River	8.2 Ft
		Mullens Historic District	Community Asset Historical	Mullens - Incorporated	Guyandotte River	7.5 Ft
		House of Prayer in Jesus Name	Community Asset Non-Historical	Wyoming County* - Unincorporated	Guyandotte River	7.1 Ft
		Frontier	Community Asset Non-Historical	Mullens - Incorporated	Guyandotte River	6.3 Ft
		Wyoming County Board of Education	Community Asset Non-Historical	Pineville - Incorporated	Guyandotte River	6.1 Ft
		Cyclone Volunteer Fire Department	Essential Facility	Wyoming County* - Unincorporated	Road Branch	5.5 Ft
		Pineville Southern Baptist Church	Community Asset Non-Historical	Pineville - Incorporated	Guyandotte River	5.4 Ft

Building Risk Tool: 10 Essential Facilities & 98 Community Assets



Oceana Church of God (2001 Flood)
Community Asset (Non-Historical)



Mullens Historic District (2001 Flood)
Community Asset (Historical)

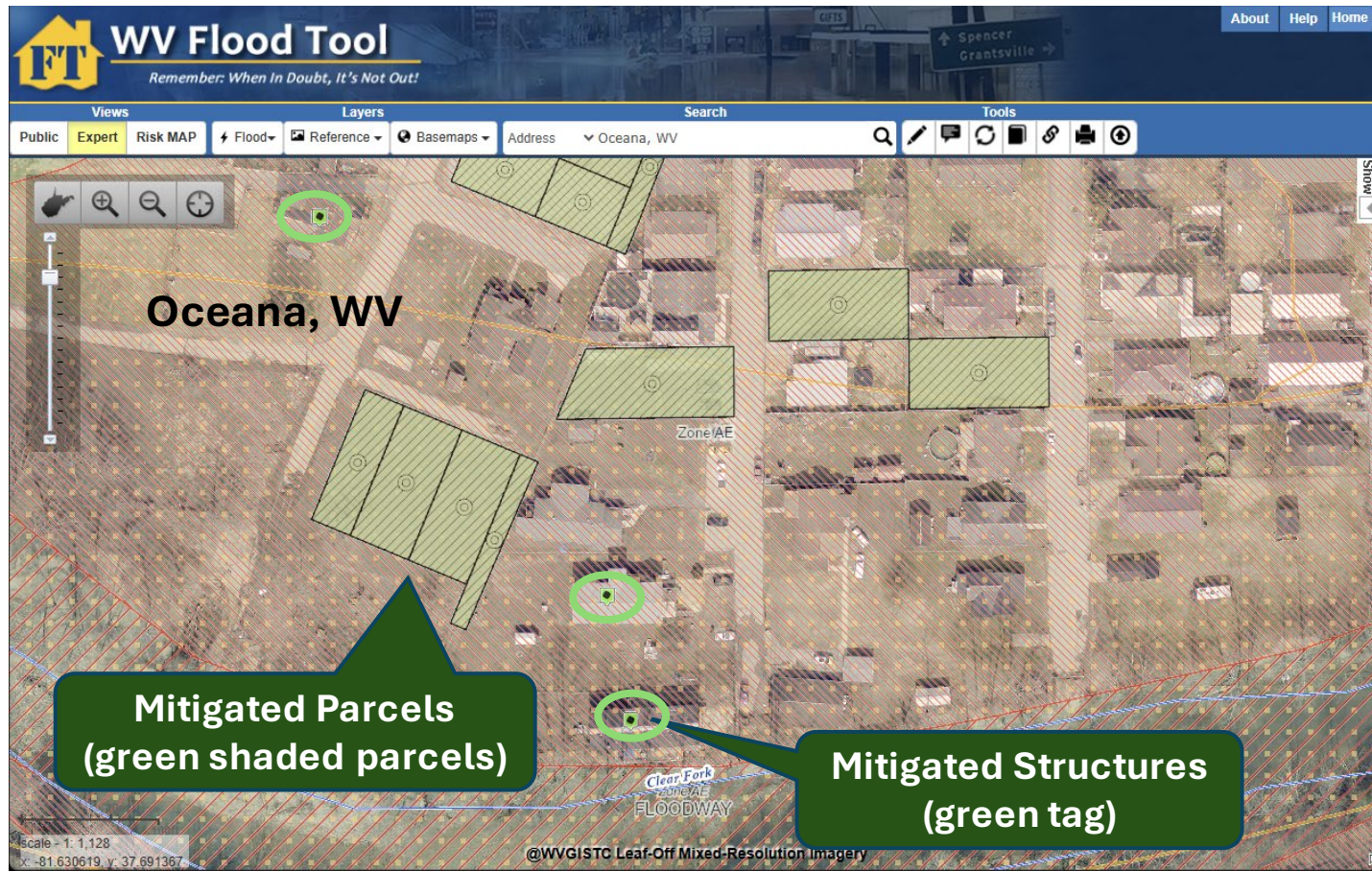
Three essential facilities have been Mapped In the high-risk floodplain: Cyclone FD, Road Branch School, & Berlin McKinney School

Note: Essential facilities are mapped to the 0.2% Annual Chance (500-yr) floodplain

Property-Level Mitigation: Estimated Loss Avoidance = \$45 Million

- **Open Space Preservation:** Wyoming County has a high density of deed-restricted open space parcels, ranked 4th in the State. Federal sponsors of the voluntary parcel acquisitions are FEMA, HUD, and NRCS.
- **Mitigated Structures:** Multiple floodproofed elevated structures exist in County

Mitigated Tools: [WV Flood Tool](#) | [Mitigated Structures](#) & [Open Space](#) Dashboards



Residential Elevated Structures (Oceana, WV)



WV Flood Resiliency Tools (www.WVFRF.org)



[WV Risk Explorer](#)



[WV Flood Tool](#)



[WV Property Viewer](#)



[WV Hazard Library](#)

Cumulative Flood Risk Rankings – Multiple Scales

Geographic Scale	Geographic Entity	Rank	Total Entities in State	Indicator Rating	Risk Score	Top 20%
Region	PDC Region 1	3	11	Relatively High	80.0%	Yes
County	Wyoming County	6	55	VERY HIGH	90.7%	Yes
Unincorporated Area	Wyoming - Unincorporated	8	55	Relatively High	87.0%	Yes
Incorporated Place	Oceana - Incorporated	12	229	VERY HIGH	95.1%	Yes
	Pineville – Incorporated	33	229	Relatively High	85.9%	Yes
	Mullens - Incorporated	41	229	Relatively High	82.4%	Yes
Watershed	Upper Guyandotte Watershed	5	33	Relatively High	87.5%	Yes
Rivers/Streams	Guyandotte River	22	156	Relatively High	86.4%	Yes
	Clear Fork	26	156	Relatively High	83.8%	Yes

Top 20% Flood Risk Factors and Scores for Wyoming County

CATEGORY	FLOOD RISK INDICATOR	VALUE FOR WYOMING	INDICATOR SCORE (0 - 100%)	INDICATOR RATING	STATE RANKING
Floodplain Characteristics	Flood Declared Disasters	21	88.8%	Very High	7
Building Exposure	Building Floodplain Count	2,592	87.0%	Very High	8
	Building Floodway Count	268	83.3%	Very High	10
	Building Floodplain Ratio	18.6%	96.2%	VERY HIGH	3
	Building Density	0.48 /Acre	90.7%	VERY HIGH	6
Building Characteristics	Bldg. Mobile Homes Ratio	35.2%	85.1%	Very High	9
	Building 1-Story Ratio	93.3%	90.7%	VERY HIGH	6
Critical Infrastructure	Roads Inundated Ratio	12.9%	94.4%	VERY HIGH	4
Community Assets	Community Assets Non-Historical	80	90.7%	VERY HIGH	5
Building Damage Loss	Bldg. Previous Damage Claims	902	87.0%	Very High	8
	Bldg. Repetitive Loss Structures	283	90.7%	VERY HIGH	6
People / Social Vulnerabilities	Population in Floodplain Ratio	30.0%	90.7%	VERY HIGH	6
	Population Displaced Ratio	17.6%	90.7%	VERY HIGH	6
	WV Social Vulnerability Index		98.1%	VERY HIGH	2

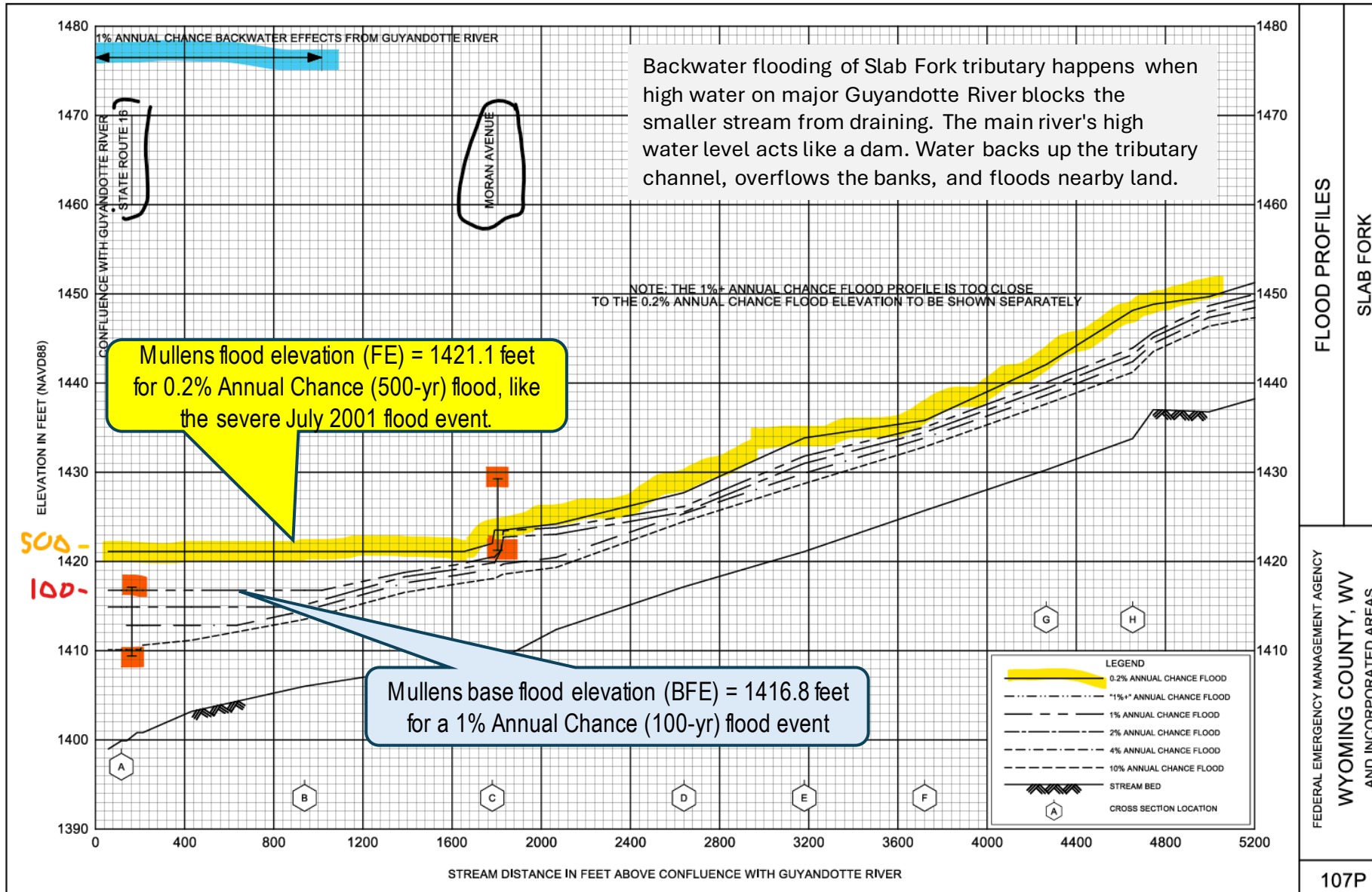
9 of 25 riverine flood risk indicators among the **top 10%** counties

- High percentage of buildings in floodplain and floodway
- 30% of population resides in the floodplain



[Top 20% Report](#)

New Flood Profiles: Backwater Flooding of Slab Fork, Mullens WV



Preliminary Flood Maps

- 1% BFE = 1416.8 feet
- 0.2% FE = 1421.1 feet

FIS [Flood Profile](#)
WV Flood Tool [Map](#)

