



## **FLOOD RISK VISUALIZATION TOOLS**

A collection of movies, animations, story maps, and other flood visualization tools available at the building and community levels for communicating and understanding flood risk in West Virginia.

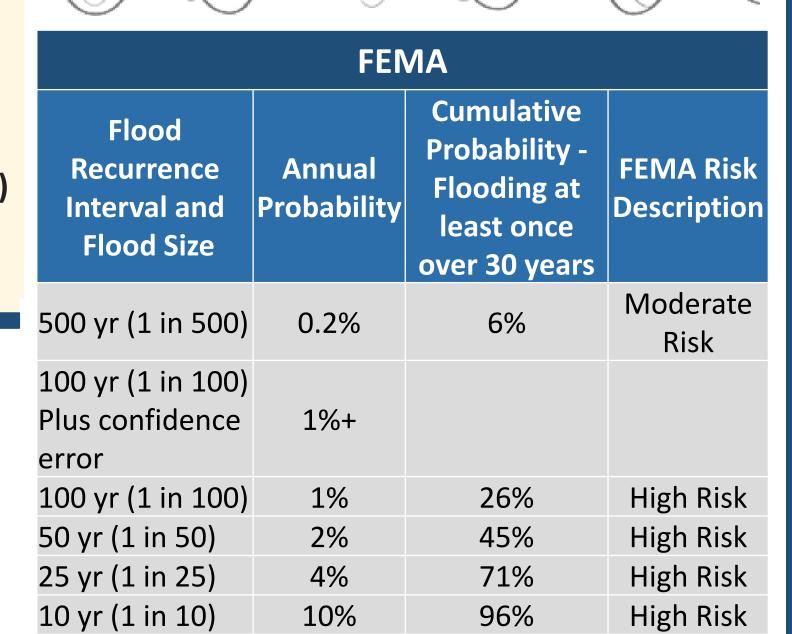
- a) Visualization Content Flood Frequency Probability & Magnitude ii) Damage Assessments
- iii) Mitigated and unmitigated properties

F100

**Visualization Products (select products include** narrations). A map index provides a spatial gateway to flood visualizations and videos.

- i) **Building-Level** Visualizations
- (1)Building Flood Profiles for different sized storms
- (2) Building Flood Depth and Damage Assessment (WV Flood Tool)
- ii) Community-Level Visualizations (graphic or narrated movies at community or viewshed levels)
- iii) Story Maps
- iv) Other video or visualization products

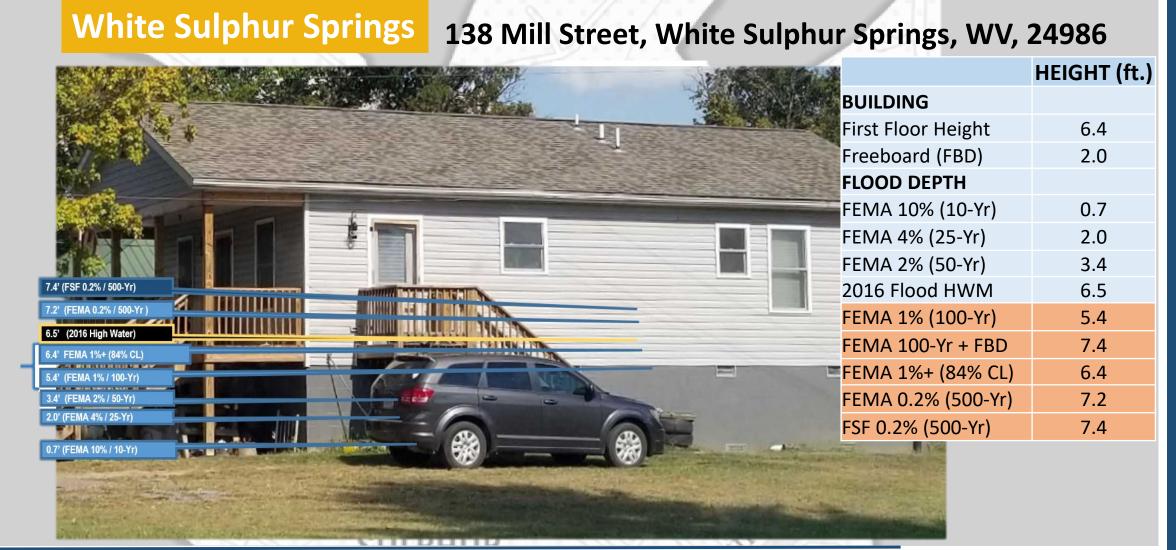
Frequency: Probability that a flood of a specific size will be equaled or exceeded in any given year.

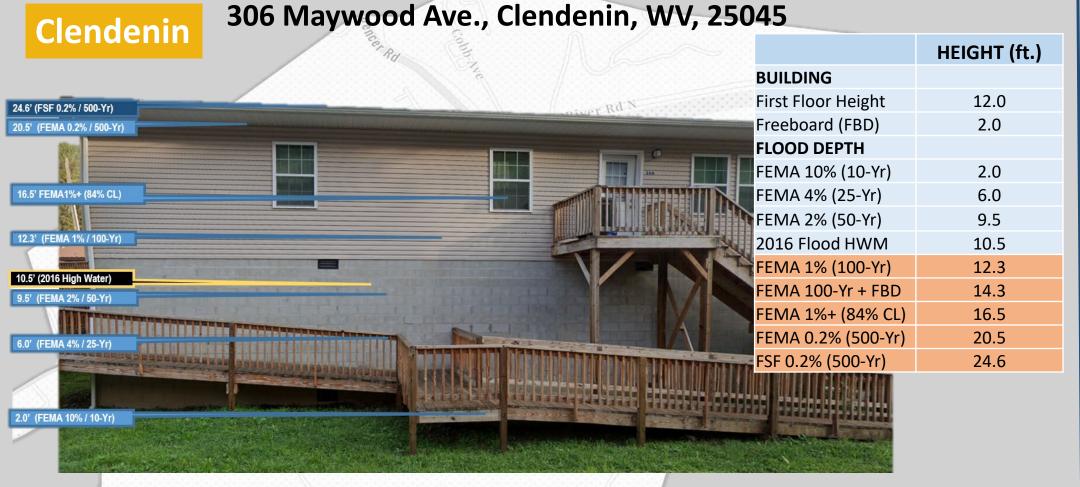


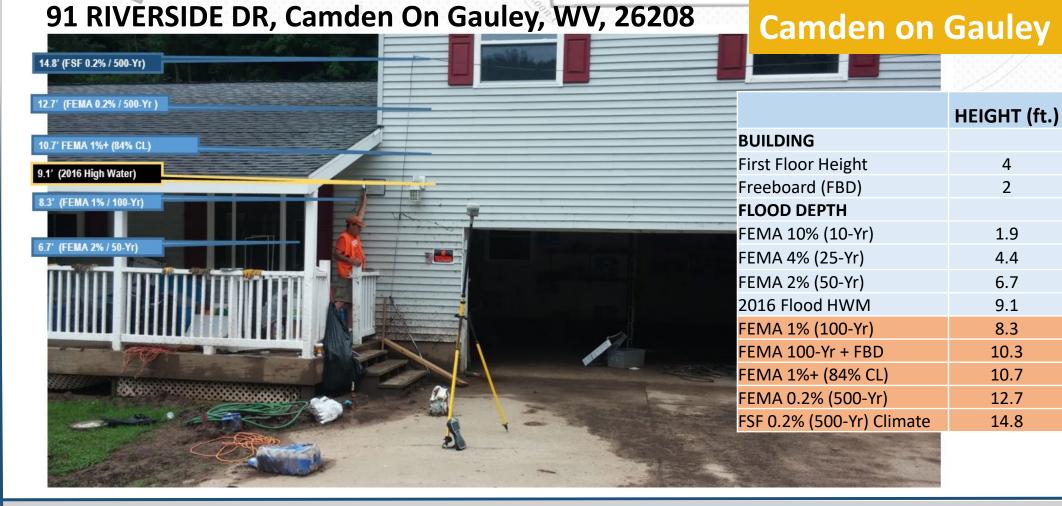
Relationship between flood recurrence intervals and the probability of an event occurring within a given period.





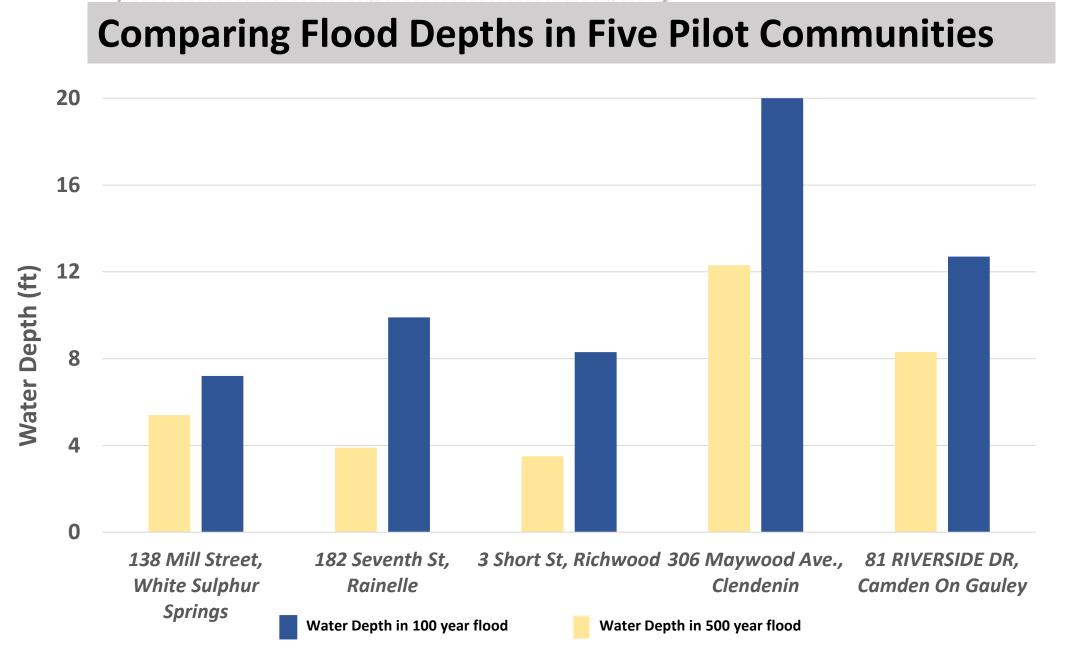




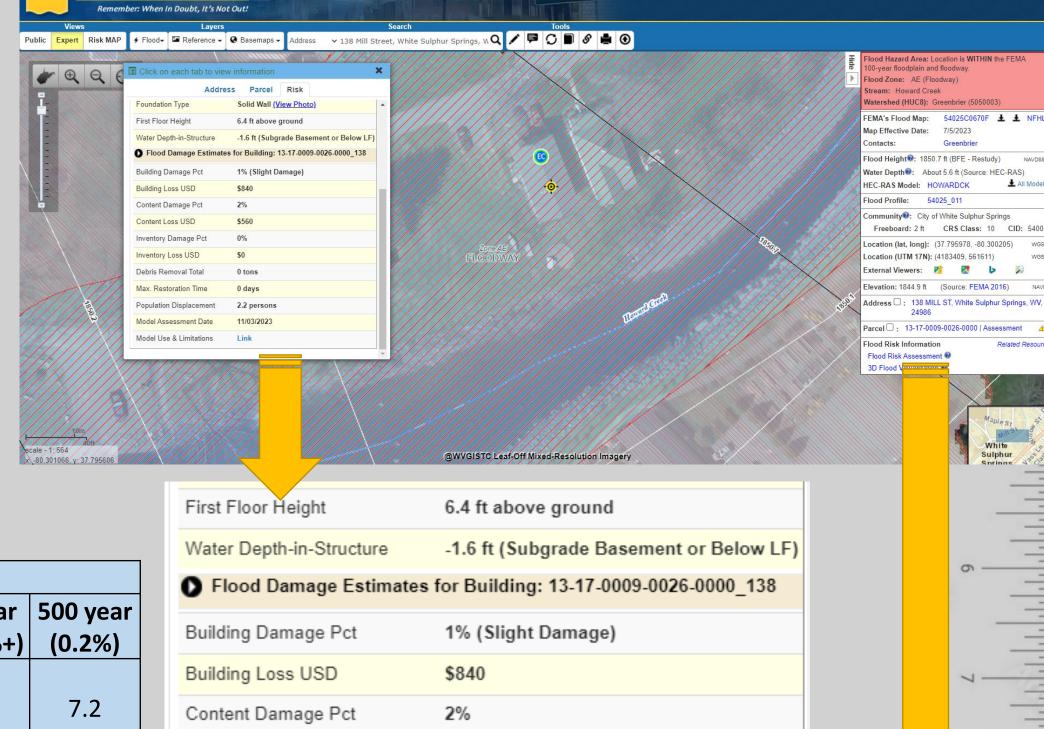


**Building Flood Depth and Damage Assessment (WV Flood Tool)** 

WV Flood Tool



	Physical Address	Flood Depth in Ft (Current Study)						
Community		Effective Date	10 year (10%)	25 year (4%)	50 year (2%)	100 year (1%)	100 year Plus(1%+)	500 year (0.2%)
White Sulphur Springs	138 Mill Street, White Sulphur Springs, WV, 24986	Effective: 2023	0.2	2.0	3.4	5.4	6.4	7.2
Rainelle	182 SEVENTH ST, Rainelle, WV, 25962	Effective: 2023	NA	0.1	1.9	3.9	9.9	9.9
Richwood	3 Short St, Richwood, WV, 26261	Effective: 2021	NA	NA	2.8	3.5	9.0	8.3
Clendenin	306 Maywood Ave., Clendenin, WV, 25045	Effective: 2023	2.0	6.0	9.5	12.3	16.5	20.5
Camden	81 RIVERSIDE DR, Camden On Gauley, WV, 26208	Effective: 2022	1.9	4.4	6.7	8.3	10.7	12.7



Flood Height®: 1850.7 ft (BFE - Restudy)

\$560

Content Loss USD

Water Depth®: About 5.6 ft (Source: HEC-RAS) All Models HEC-RAS Model: HOWARDCK

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