

Slides related to the April 2024 Flood Extracted



WV Flood Resiliency Framework Toolkit

Wheeling Island



Mt. Zion Cemetery (Ohio County)



Hazard identification using WV Flood Tool

Recent Flood Event (Wheeling Island)

40 VIRGINIA ST,
Wheeling, WV



40 Virginia St, Wheeling



Drone video of Ohio River flooding in West Virginia

[Drone Link](#)

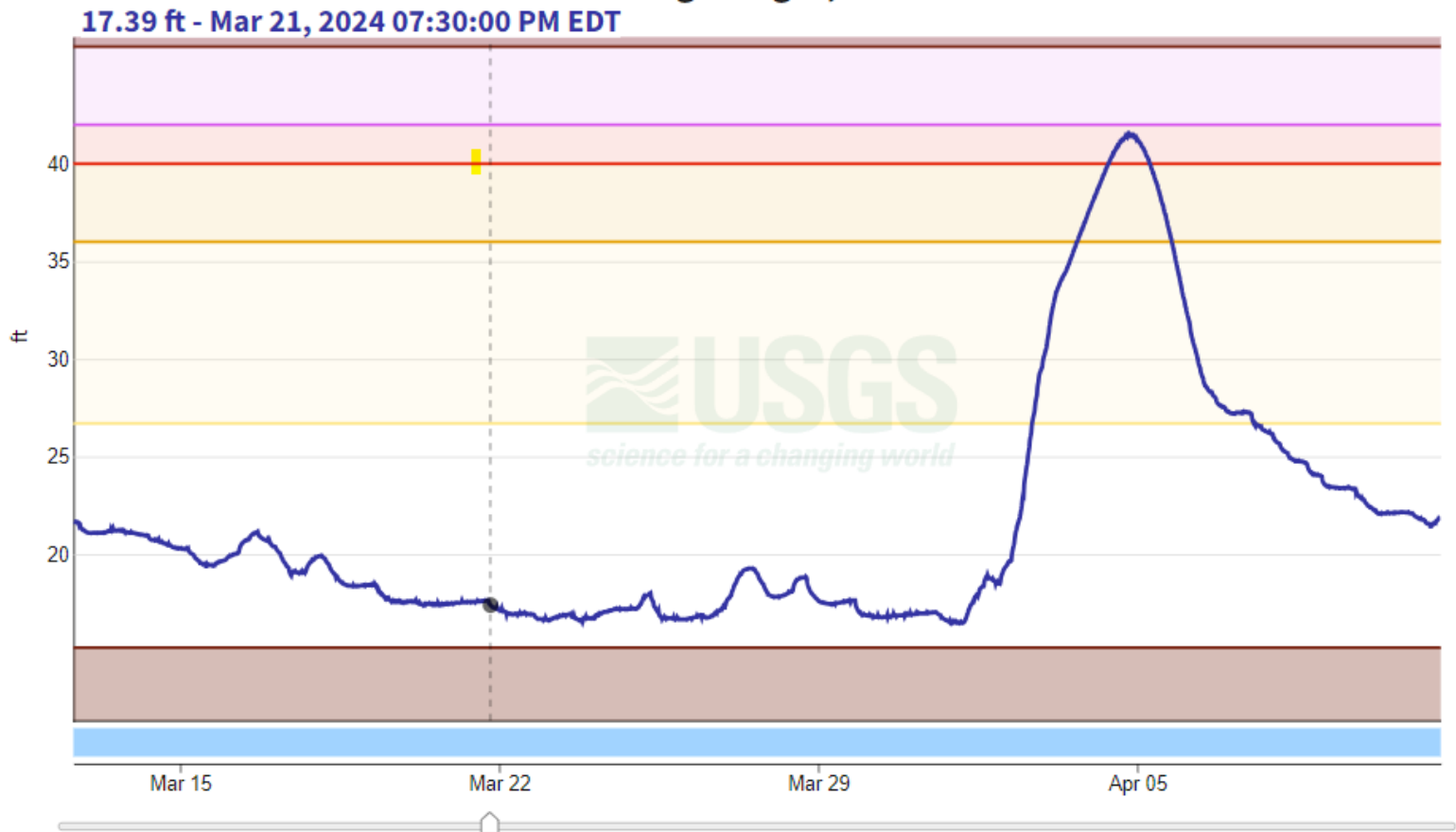
2024 Flood Crest 41.5 feet (April 5)

☐ 7 days ☒ 30 days ☐ 1 year

Ohio River at Wheeling, WV - 03112500

March 12, 2024 - April 11, 2024

Gage height, feet



Source: [USGS Ohio River Gauge Height](#)

IMPORTANT Data may be [provisional](#)

[Show legend](#)

Flood Categories (in feet)

Major Flood Stage:	42
Moderate Flood Stage:	40
Flood Stage:	36
Action Stage:	26.7

Historic Crests

- (1) 55.20 ft on 03/19/1936
- (2) 51.50 ft on 12/31/1942
- (3) 51.20 ft on 03/28/1913
- (4) 50.10 ft on 03/15/1907
- (5) 48.70 ft on 01/26/1937
- (6) 47.30 ft on 03/08/1945
- (7) 47.00 ft on 03/12/1964
- (8) 46.60 ft on 06/23/1972
- (9) 46.20 ft on 01/23/1937
- (10) 45.80 ft on 03/27/1937

[Show More Historic Crests](#)

(P): Preliminary values
subject to further review.

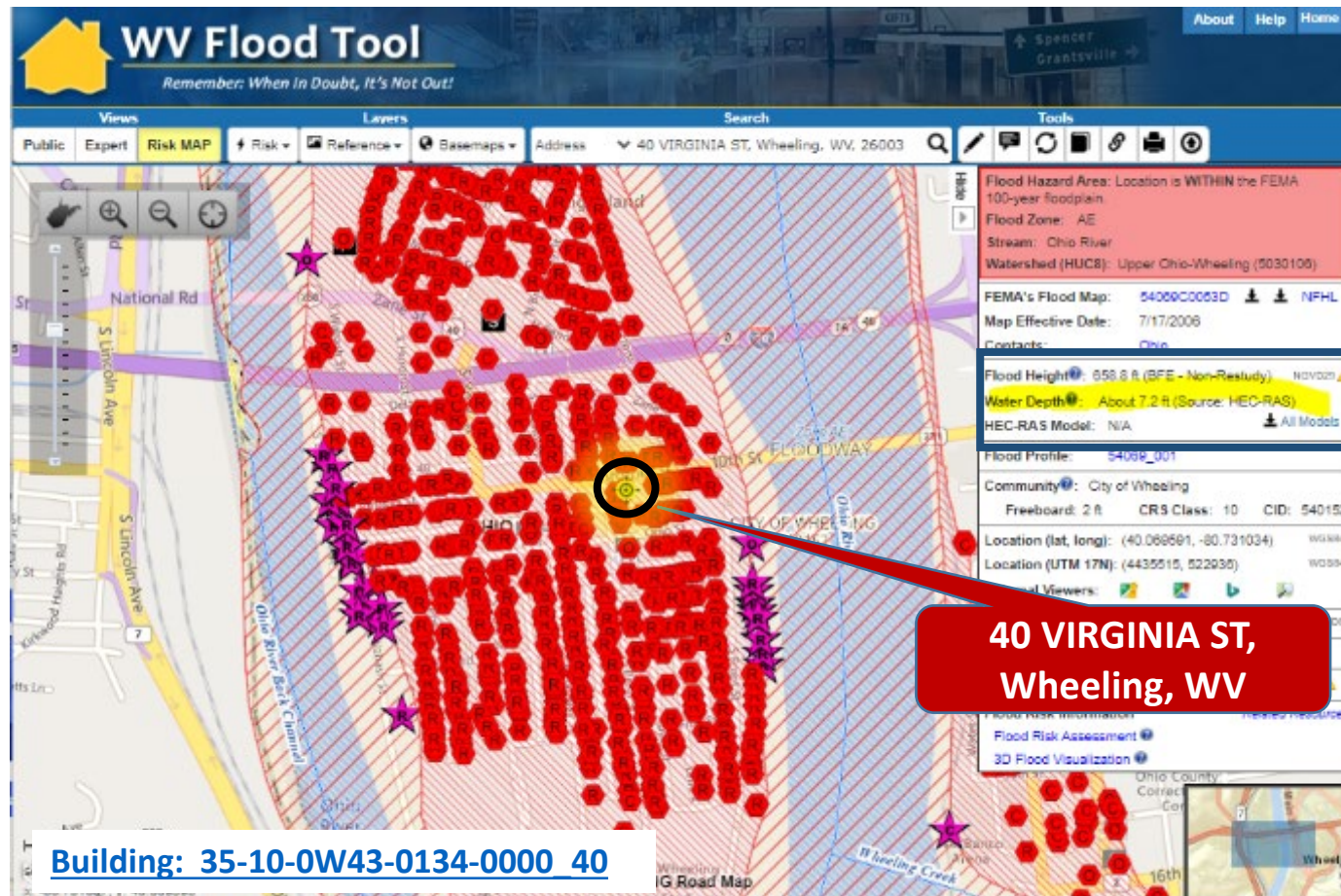
Recent Crests

- (1) 41.49 ft on 04/05/2024 (P)
- (2) 38.34 ft on 09/11/2018
- (3) 38.93 ft on 02/18/2018
- (4) 37.22 ft on 03/12/2011
- (5) 30.50 ft on 03/24/2007
- (6) 33.12 ft on 03/16/2007
- (7) 34.60 ft on 01/13/2005
- (8) 42.17 ft on 01/07/2005
- (9) 45.30 ft on 09/19/2004

Wheeling Flood Probabilities

1% Annual Chance (100-YR) Flood Event for 40 Virginia St., Wheeling, WV

- 7.2 ft. base flood depth above ground (Source: FEMA)
- 49 ft. flood stage gauge height (Source: USGS/NWS)



Flood Depth Probabilities (ft.)

FIRM Effective Date	50 year (2%)	100 year (1%)	500 year (0.2%)
2006	4.1	7.2	10.1

13.0 ft. (1936 HWM)

10.1' (FEMA 0.2% / 500 YR)

7.2' (FEMA 1% / 100 YR)

4.1' (FEMA 2% / 50 YR)

0.0 ft. (2024 HWM) (41.5' flood stage)

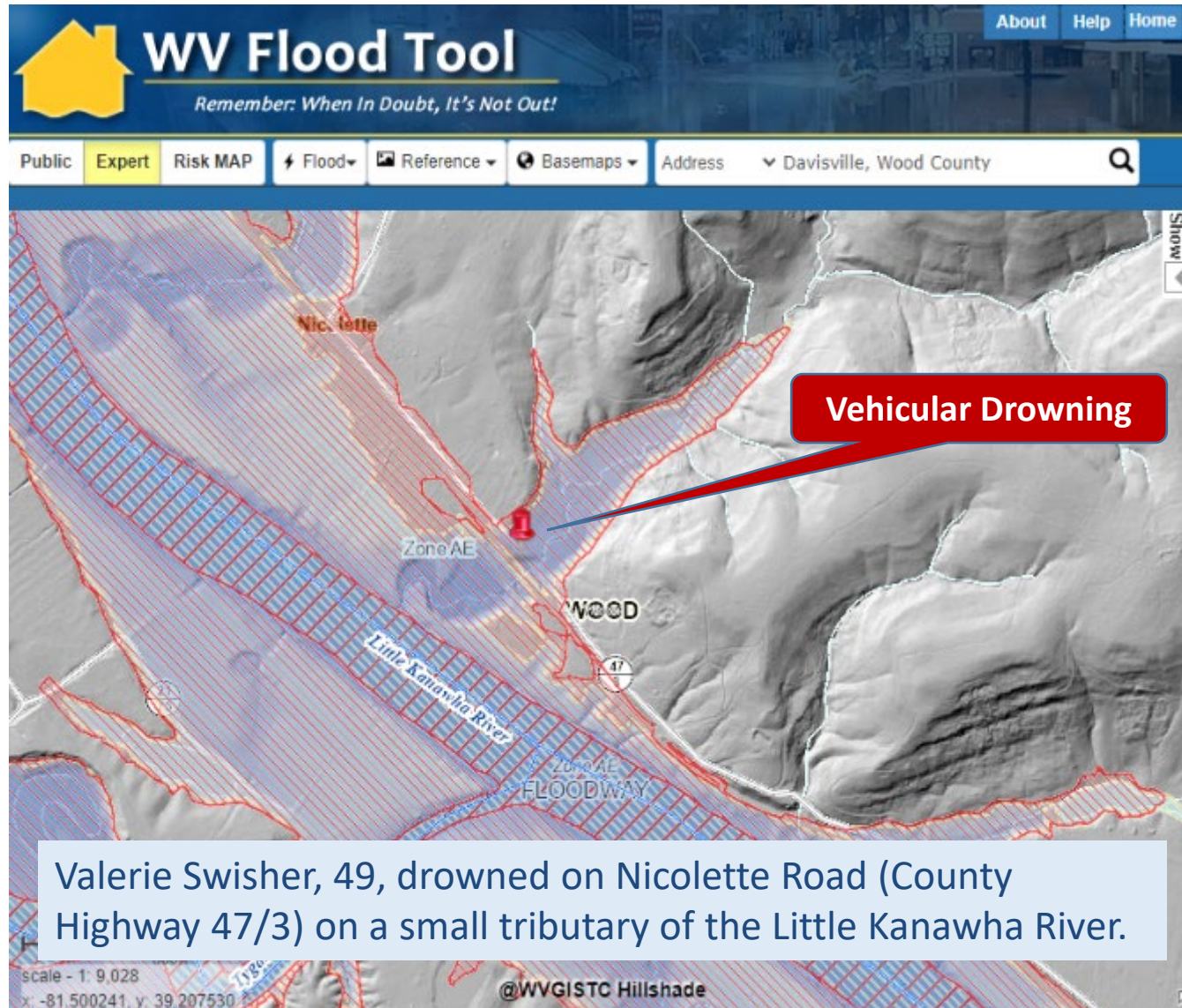
Wheeling (40 VIRGINIA ST, Wheeling, WV, 26003)



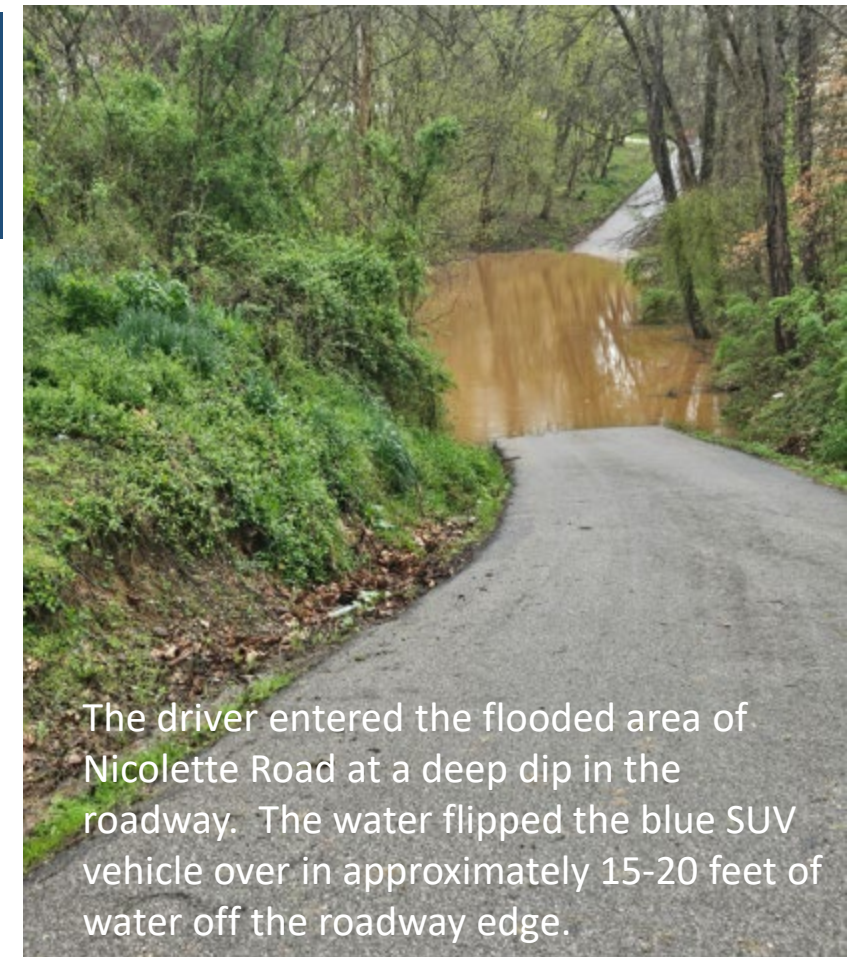
[WV Flood Tool link](#)

- **1936 HWM** = 607.3 ft. ([gauge height](#) = 0) + **55.2 ft.** = 662.5 ft. The **1936 Flood Depth** (662.5 ft. HWM minus LAG 649.5) estimate is **13 feet** flooding above ground level. In structure, estimate **four feet** of water above lowest floor for 1936 flood.
- **2024 HWM** = **41.5 feet crest** on 5 April 2024. 607.3 ft. (gauge height = 0) + 41.5 ft. = 648.8 feet. Flooding should not have impacted this property. House just outside of [drone footage](#).

Vehicular Fatality (Wood County)



Valerie Swisher, 49, drowned on Nicolette Road (County Highway 47/3) on a small tributary of the Little Kanawha River.



The driver entered the flooded area of Nicolette Road at a deep dip in the roadway. The water flipped the blue SUV vehicle over in approximately 15-20 feet of water off the roadway edge.



Landslides (Ohio County)

[Drone Link](#)

1311 PARK VIEW RD,
Wheeling, WV,

PARKVIEW HOME DESTROYED

OHIO COUNTY

instant. Betty Mott's home was

WTRF.com

Landslides (Ohio County)

[Drone Link](#)

