



AGENDA

Introductions

Overview of Area

Overall Study Expectations

Model Runs

Additional Information Gathered

Initial Discussion on Solutions and Funding

Public Comments and Questions

Wrap-up of formal discussion

Informal Public Review of Maps and Diagrams on Stage

ATTENDEES





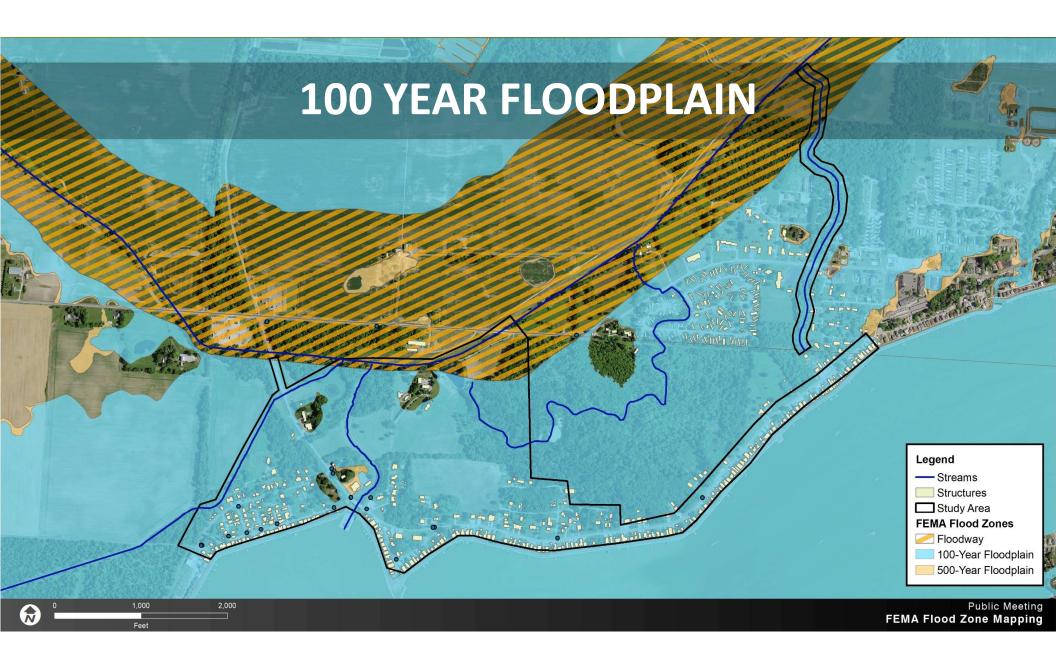












100 YEAR FLOODPLAIN VS. 25 YEAR FLOODPLAIN

 The hazard area or, Special Flood Hazard Area (SFHA), shown on the flood map is known as the 100-year floodplain. It is more precisely defined as the floodplain associated with a flood that has a 1% annual chance of being equaled or exceeded in any given year.

100-year flood-there is a 1% chance of having that flood in any given year vs.

25-year flood-there is a 4% chance of having that flood in any given year

Reoccurrence in years	Probability of occurrence in any given year	Percent chance of occurrence in any given year
500	1 in 500	.2%
100	1 in100	1%
50	1 in 50	2%
25	1 in 25	4%
10	1 in 10	10%
5	1 in 5	20%
2	1 in 2	50%

HISTORIC & RECURRING FLOODING

The area has known flooding issues and photographs of past flood events:

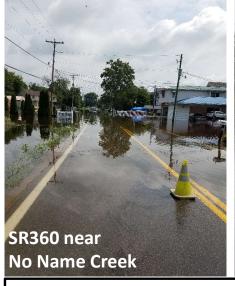
- 1997
- 2002
- July 11th & 14th 2017
- February 17th 2022

The 2017 and 2022 flooding events were due to approximately 2-year to 5-year rainfall events with ~1.8 to 2.7 inches. This suggests the current level of is the 2-yr event or less.



February 17, 2022







July 14, 2017

STUDY EXPECTATIONS

- Typical stormwater design level of service in central Ohio
 - Local Roads: 2-year
 - Minor Arterial Roads: 5-year
 - Major Arterial Roads: 10-year
- North Walnut Township stormwater design level of service
 - Goal: 25-year
 - Minimum: 10-year
- The study will develop alternatives to improve interior flooding and drainage but will not address flooding from the South Fork Licking River.

PRELIMINARY MODEL RUN: 25-YEAR STORM

5-YEAR MODEL RUN vs. JULY 14, 2017 PHOTOGRAPHS



5-YEAR MODEL RUN vs. JULY 14, 2017 PHOTOGRAPHS





ADDITIONAL INFORMATION GATHERED

Tasks Completed:

- Data Collection
- Survey and Field Mapping
- CAD Base Mapping
- Evaluate Existing Flooding Issues (Photos & Gages)
- Preliminary H&H Model Construction



ADDITIONAL INFORMATION GATHERED

Next Steps:

- Alternatives Analysis
- Project Phasing
- Opinion of Probable Construction Cost Estimate
- Stormwater Master Planning for the project area
- Funding Strategies- OPWC, HMGP etc.



