



Residents Working Against Huron River Flooding

October 26, 2023
Organization Meeting





Thriving Earth Exchange

AGU's Thriving Earth Exchange advances community solutions. We help scientists, community leaders and sponsors work together to solve local challenges related to natural resources, climate change and natural hazards.

Introductions cont'd

Ms. Claire Zarakas

Community Science Fellow



Dr. Wendy Robertson

Associate Professor of Hydrology @ CMU



Mr. Scott Dierks

Senior Water Resources Engineer @ GEI Consultants

Dr. Rod Lammers

Assistant Professor of Engineering @ CMU

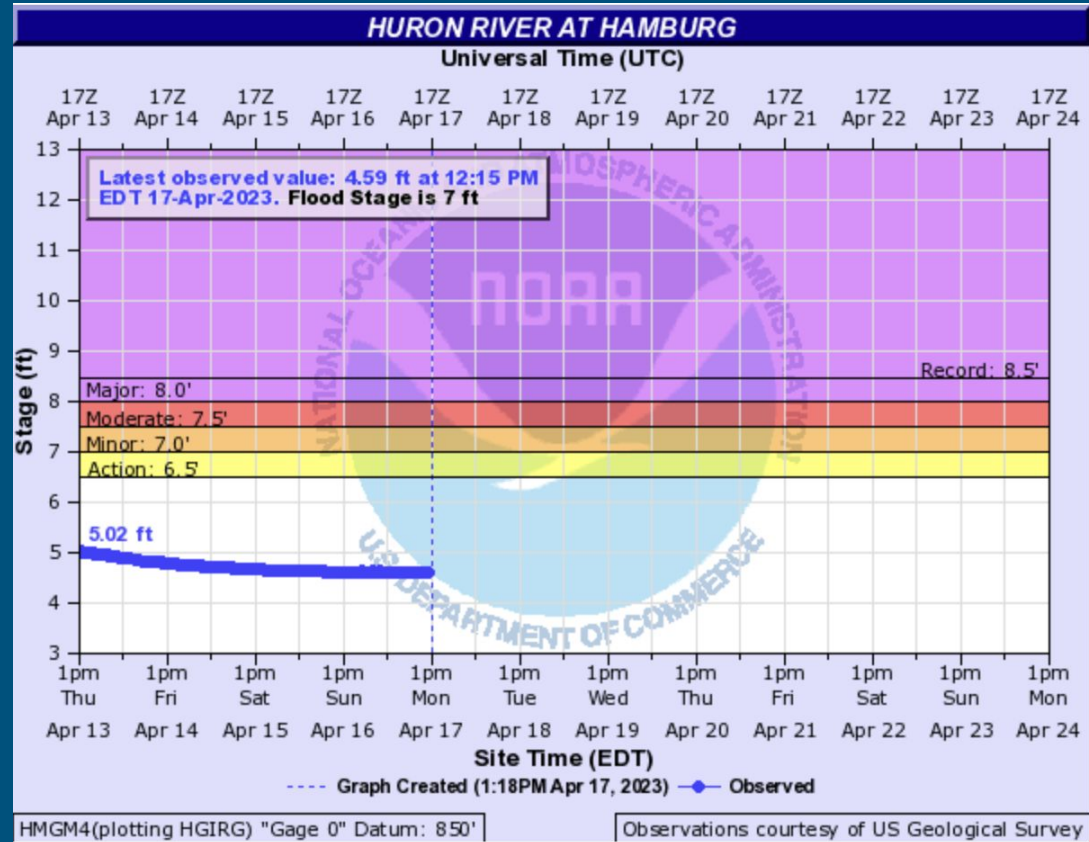


Ms. Emma Giese

Water Resources Engineer @ GEI Consultants

August 2023 Flood

- Huron River peaked at 7.59 feet on 8/29/2023
- Tied for 6th highest peak
- <https://water.weather.gov/ahps2/hydrograph.php?wfo=dtx&gage=hmgm4>
- Thanks to our community for helping each other and coordinating the Ore Lake No Wake!



August 2023 Flood

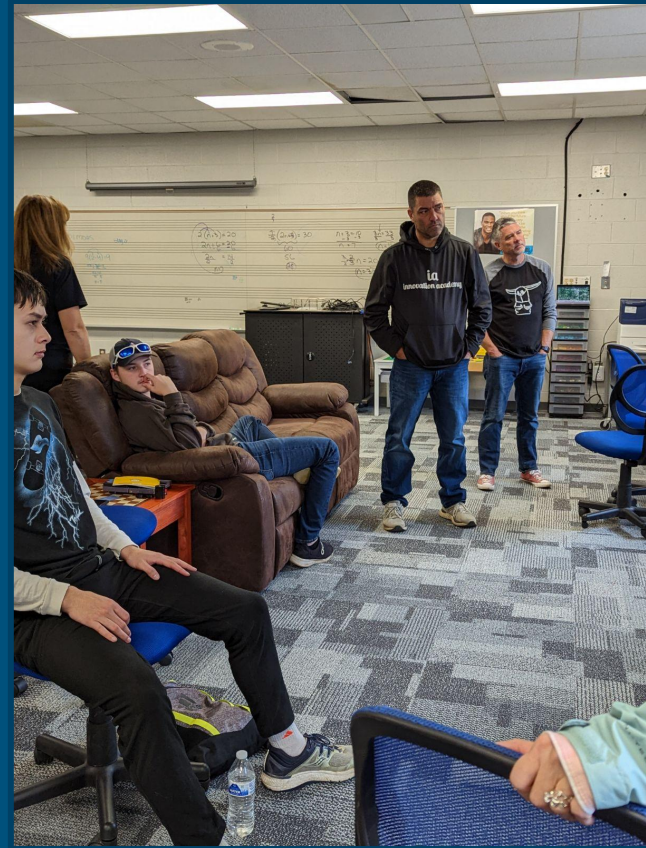
- Main story on Channel 7 News
- https://www.youtube.com/watch?v=Zd-A_v8JY2o



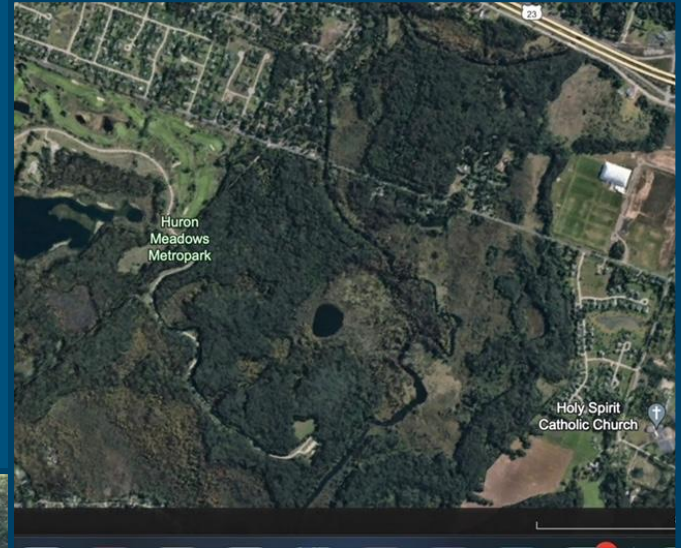
US Army Corps of Engineers (USACE): Flood Inundation Study: S. Ore Creek & Dibrova Creek

- Garrett Ray, Civil Engineer
- Katherine Labuhn, PE, Hydraulic and Coastal Engineering Section
- Derek Cusimano, Survey Coordinator

Partnership with Innovation Academy



Partnership with Innovation Academy



Partnership with Innovation Academy

- Manuscript titled, “Spatial analysis of land use change in a flood-prone watershed: S. Ore Creek, MI, USA” **accepted** in [Journal of Student Research](#)

Lena Zielkowski, Innovation Academy

Amber S. Bismack, Oakland University

Johnson G. McDowell, Innovation Academy

Wendy Robertson, Central Michigan University



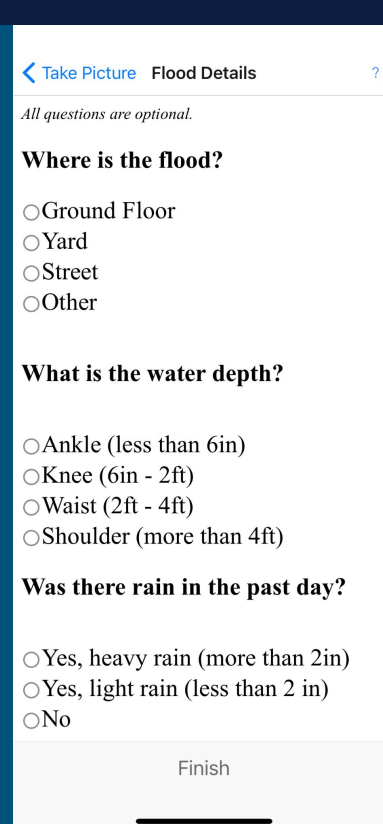
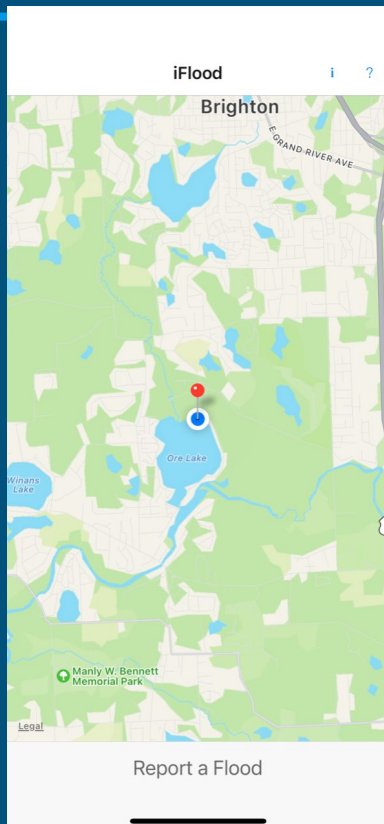
Removal of Gages on S. Ore Creek & Dibrova Creek

- Gages will be removed tomorrow
- Collected data on the recent flood
- Thank you to Kerry Adams for coordinating this process

iFlood Site



WOODS HOLE
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FEMA Grants for Elevating Homes

FEMA Grants for Elevating Homes

REV (08/2020)

MICHIGAN STATE POLICE
EMERGENCY MANAGEMENT AND
HOMELAND SECURITY DIVISION

**PROJECT
GRANTS**



**HAZARD MITIGATION ASSISTANCE (HMA)
GRANT PROGRAMS NOTICE OF INTENT
(NOI)**

PLEASE COMPLETE THE INFORMATION IN ALL C

Please indicate which program you are intending to apply for

BRIC – Building Resilient Infrastructure and Communities
HMGP – Hazard Mitigation Grant Program
FMA – Flood Mitigation Assistance

Sub Applicant Information:

Sub Applicant Name: Hamburg Township

Livingston Co

REV (08/2020)

MICHIGAN STATE POLICE
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PLEASE COMPLETE THE INFORMATION IN ALL OF THE TABLES BELOW.

Please indicate which program you are intending to apply for by checking the appropriate box:

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Sub Applicant Information:

Sub Applicant Name: Hamburg Township

Livingston County

FEMA Grants for Elevating Homes

Updates:

- ***Submission of grant proposals in January 2025**
- Working with Hamburg Township
- Hastings Testing providing elevation estimates for each property
- Hoping to work with Community Engineering Corps
- BRIC application: 2 properties included
- FMA application: 10 properties included

*If you would like to participate, please contact Mark TenBrink:

mark10brink@gmail.com

Resources on Huron River Watershed Council

<https://www.hrwc.org>

- Maps
- Choose which resource you'd like to investigate for data and information within the Huron River Watershed

Next Meeting

- December 14, 2023 at 7:00pm on Zoom (same link)

What questions do you have?