

HAZARD
MITIGATION
BOTS?!

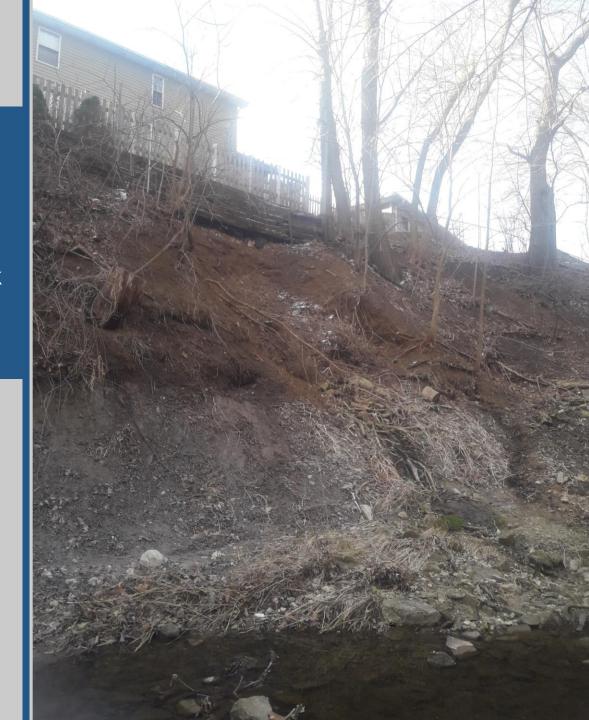


Land on the Run:

Mitigation & Ravine Slope Stabilization in Bull Creek

Sharon Østerby, CFM
Water Resource Professional
Lake County Stormwater Management Commission

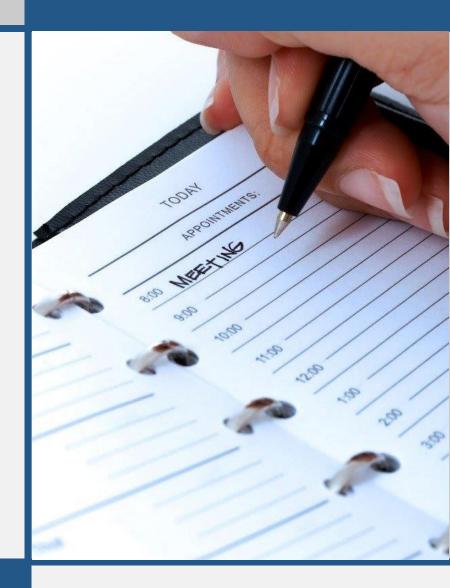
IAFSM Annual Conference Presentation March 15, 2023





Agenda

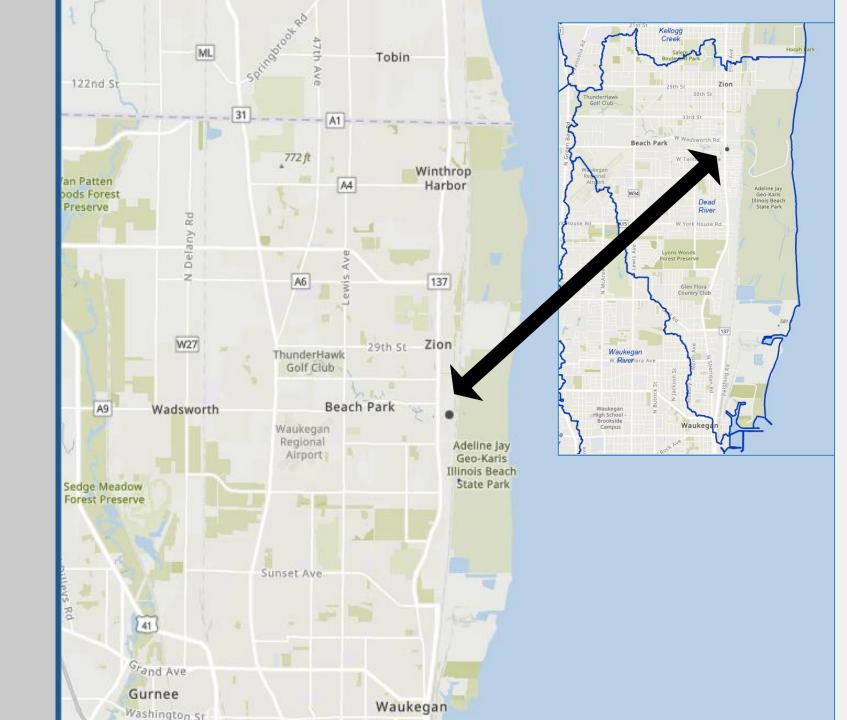
- Introduction & Background
- Problem
- Solution
- Execution
- Results





PROJECT LOCATION

- Bull Creek is located in the Dead River Subwatershed of Lake Michigan Watershed.
- Drains to the S. Unit of the IL Beach State Park through a severely eroded bluff/ravine system in Beach Park.









MARCH 31, 2017 FLOOD



PROBLEM:

Ravine intersects groundwater table

Lateral flow of water is visible after heavy precipitation events and further erodes the slope.





APRIL 5, 2018





JANUARY 15, 2020









JUNE 11, 2021



JUNE 18, 2021





JUNE 25, 2021







Challenges Overcome!

Community Participation

Homeowner Anxiety-Red Tagged

IDOT Culvert Conflicts

Weather conditions during construction

March 15, 2023







Project Team

Lake County SMC Team!

Village of Beach Park

IDOT

IEMA/FEMA 2017 PDM Fundi

Christopher B. Burke Engineering-Slope Stabilization Design & Engineering Plans

V₃ Companies –Slope Stabilization Construction

March 15, 2023

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