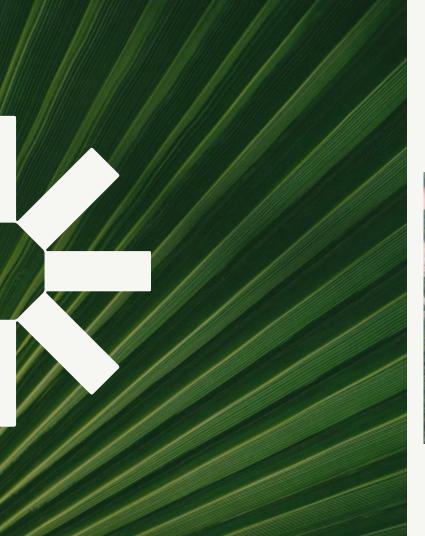


# Flood Hazard Mitigation Alternatives: Phoenicia, NY



Shandaken Town Board September 8, 2025







#### **Local Flood Analysis**

Town of Shandaken Along Esopus Creek Hamlets of Phoenicia and Mt. Tremper Ulster County, New York June 2016 (Revised October 24, 2016)



Prepared for: Town of Shandaken P.O. Box 134 7209 Route 28 Shandaken, New York 12480

MMI #4615-04-6

Prepared by: MILONE & MACBROOM, INC. 231 Main Street, Suite 102 New Paltz, New York 12561 (845) 633-8153 www.miloneandmacbroom.com

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## Local Flood Analysis for Phoenicia and Mt Tremper, conducted by Milone & MacBroom (now SLR) in 2016













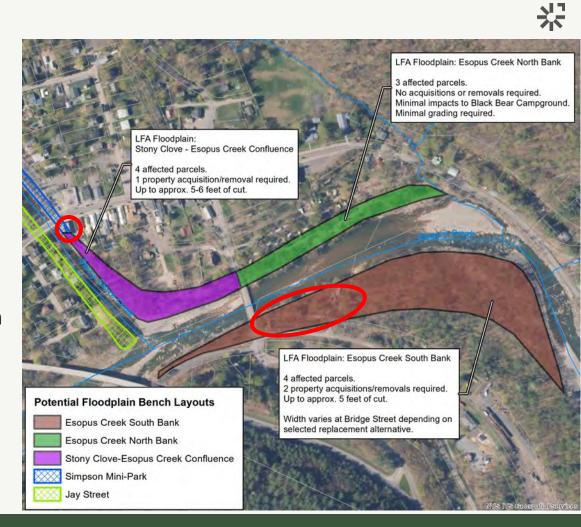
# Objective: re-evaluate LFA recommendations and develop additional potential flood hazard mitigation strategies for Phoenicia

### Please Note:

- All presented flood hazard mitigation alternatives are conceptual/hypothetical
- Some alternatives are complex, long-term strategies
- Some alternatives require acquisition and removal of existing buildings
- Any disturbance to private property will require support from willing landowners
- All projects will require advanced design that includes input from affected landowners & stakeholders

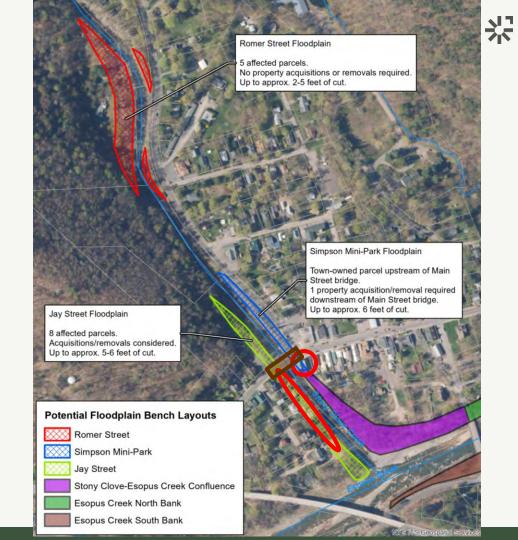
### Possible Floodplain Enhancements: Esopus Creek

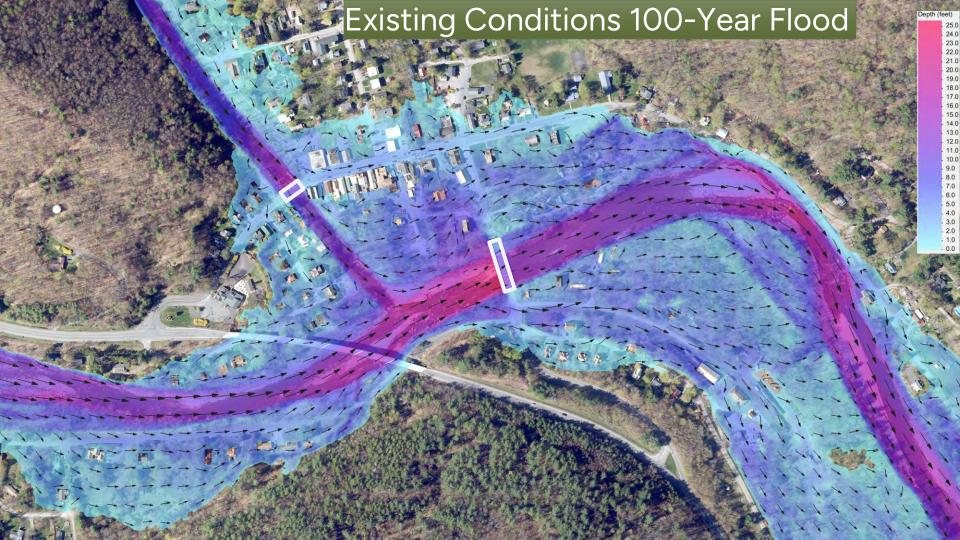
- Can improve hydraulic performance of Bridge Street bridge replacement
- Can alleviate much of the flooding in downtown Phoenicia caused by Esopus Creek
- Disturbance to private properties; acquisitions & removals

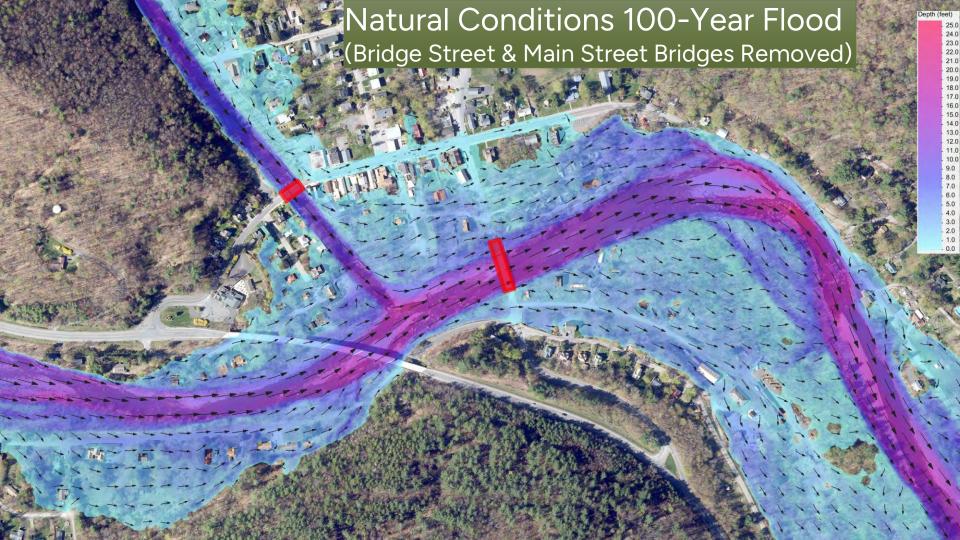


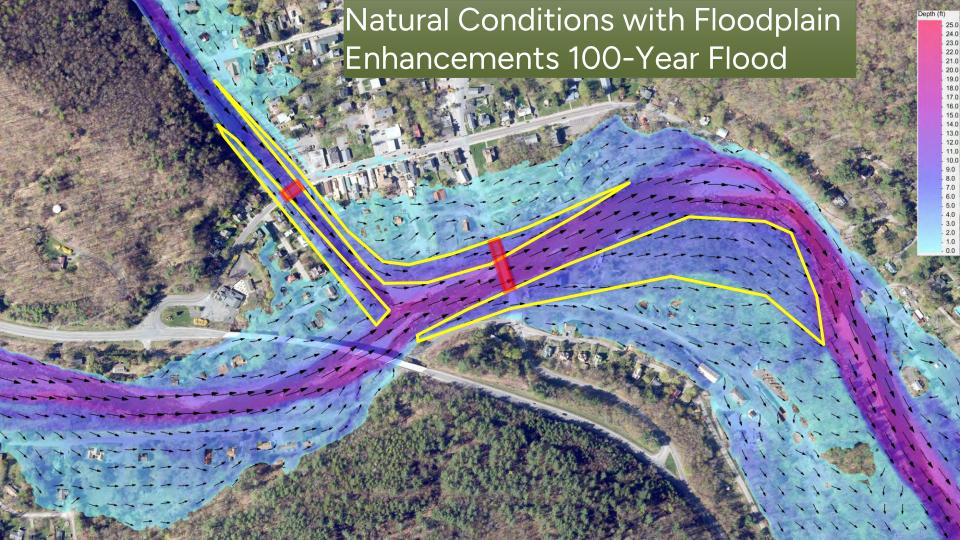
### Possible Floodplain Enhancements: Stony Clove Creek

- Can facilitate hydraulicallyadequate replacement of Main Street bridge (NY-214)
- Can alleviate much of the flooding in downtown Phoenicia caused by Stony Clove Creek
- Disturbance to private properties; building removals

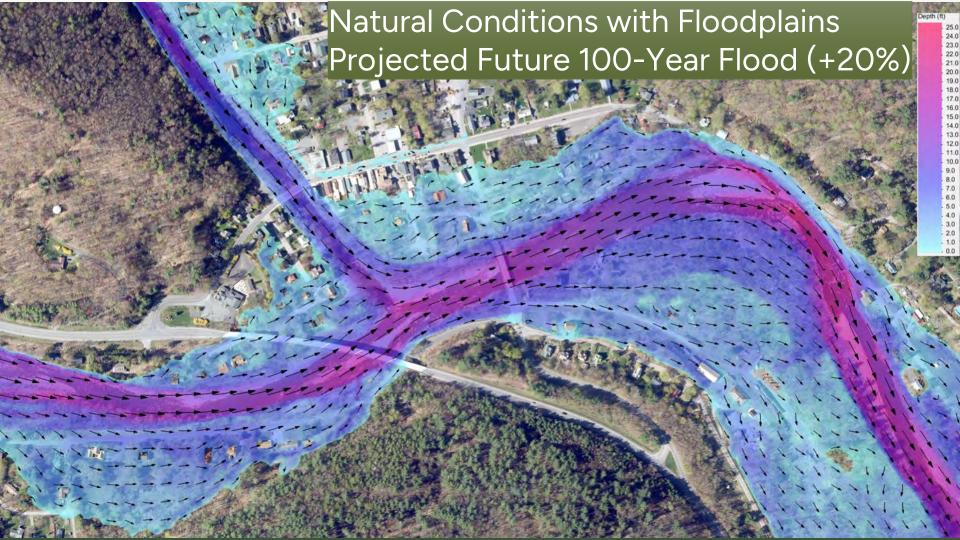












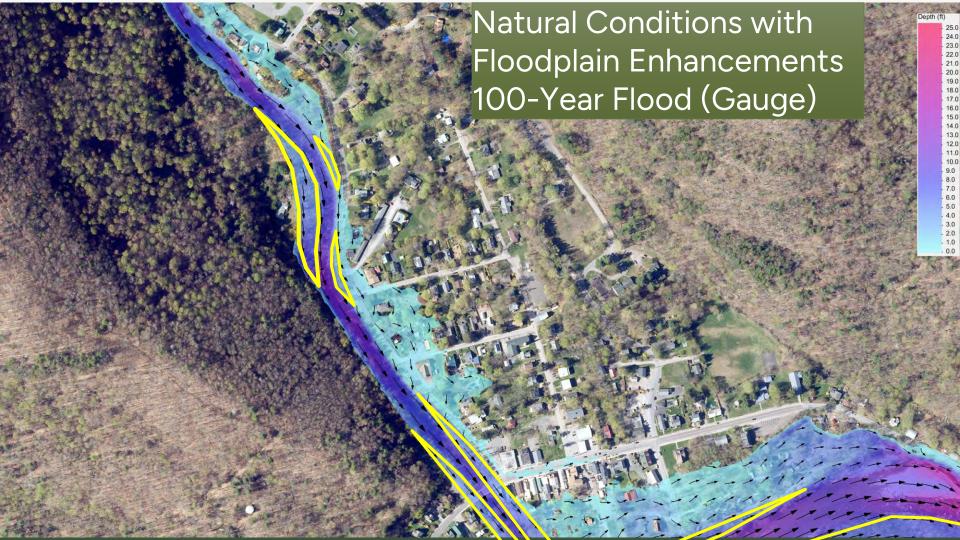


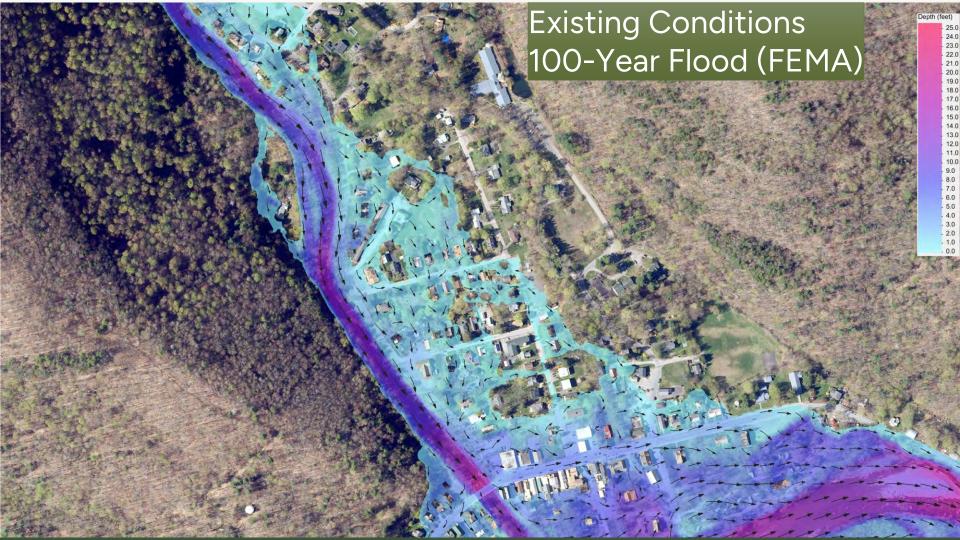


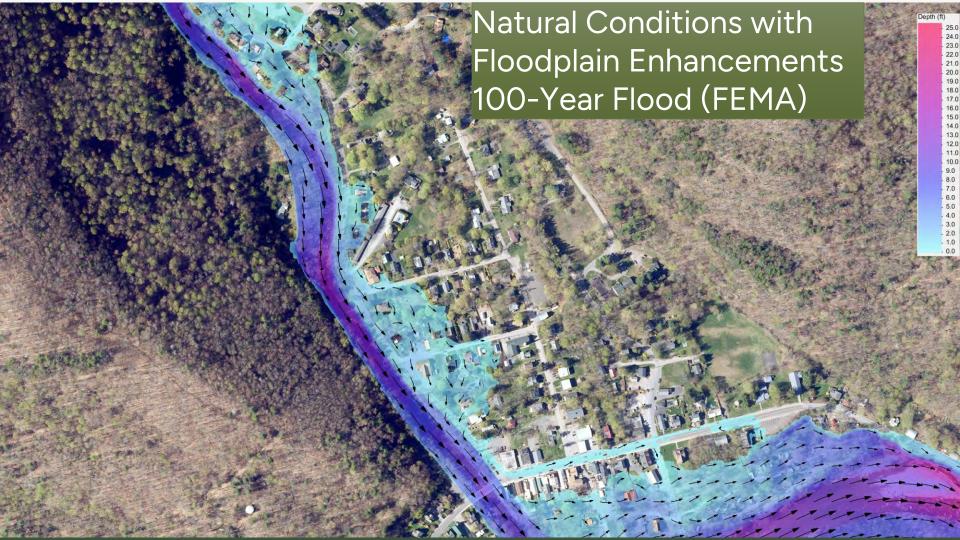






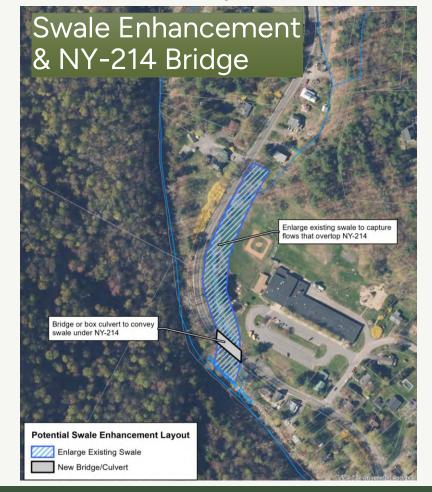






### Phoenicia Elementary School







Existing 100-Year Flood (FEMA) Swale Enhancement Floodplain Bench & NY-214 Relocation & NY-214 Bridge





Do you have any questions?



Making Sustainability Happen



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