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Harnessing Nature to Reduce Storm Runoff, Nutrient Inputs, and Sediment to Honeoye Lake

Stevie Adams, Freshwater Specialist

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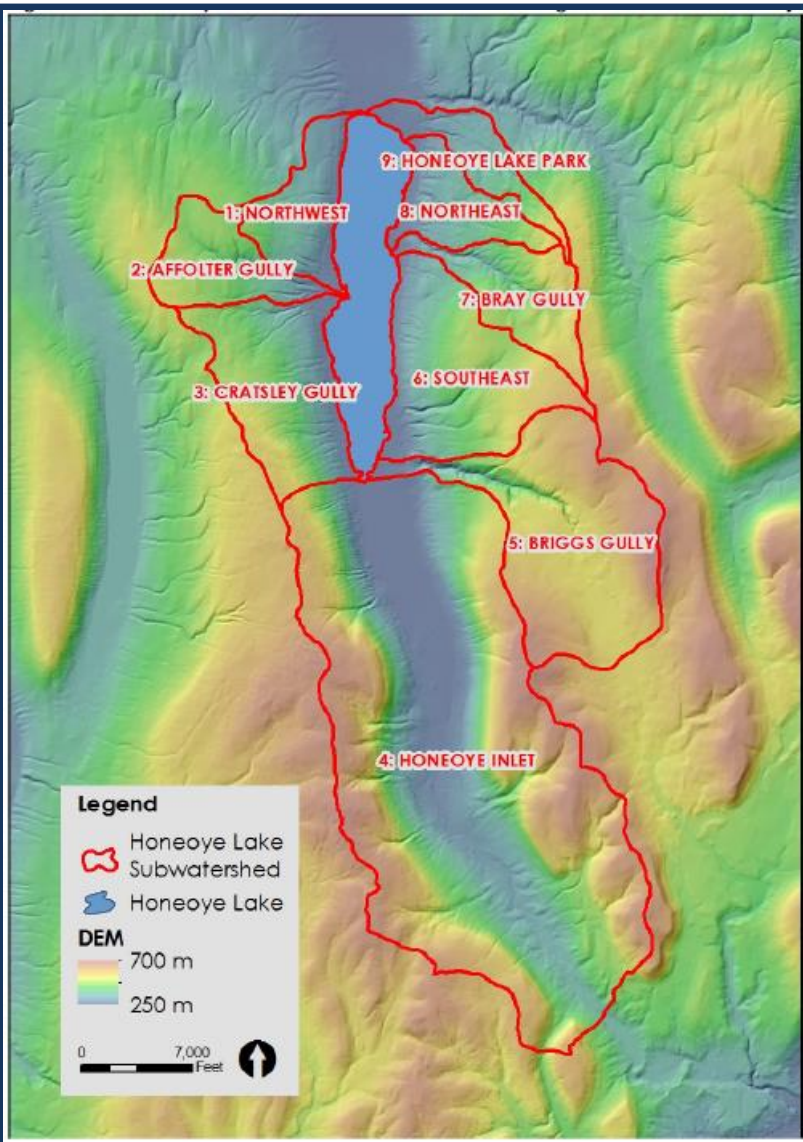
Lake Conditions

Update of the Hydrologic and Nutrient Budgets of Honeoye Inlet and Honeoye Lake

- Updated the modeling for the Lake's watershed and each subwatershed
- Identified subwatersheds on which to focus
- Made recommendations for solutions that will reduce sediment and nutrient loading to the lake



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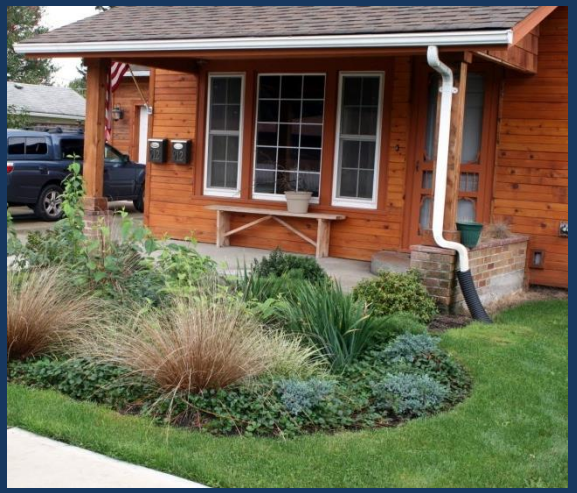
Recommendations – Community-Based Initiatives

Fertilizer and pesticide management

Restoration of lake and stream planted buffers

Inclusion of vegetated swales



Landscaping with rain gardens

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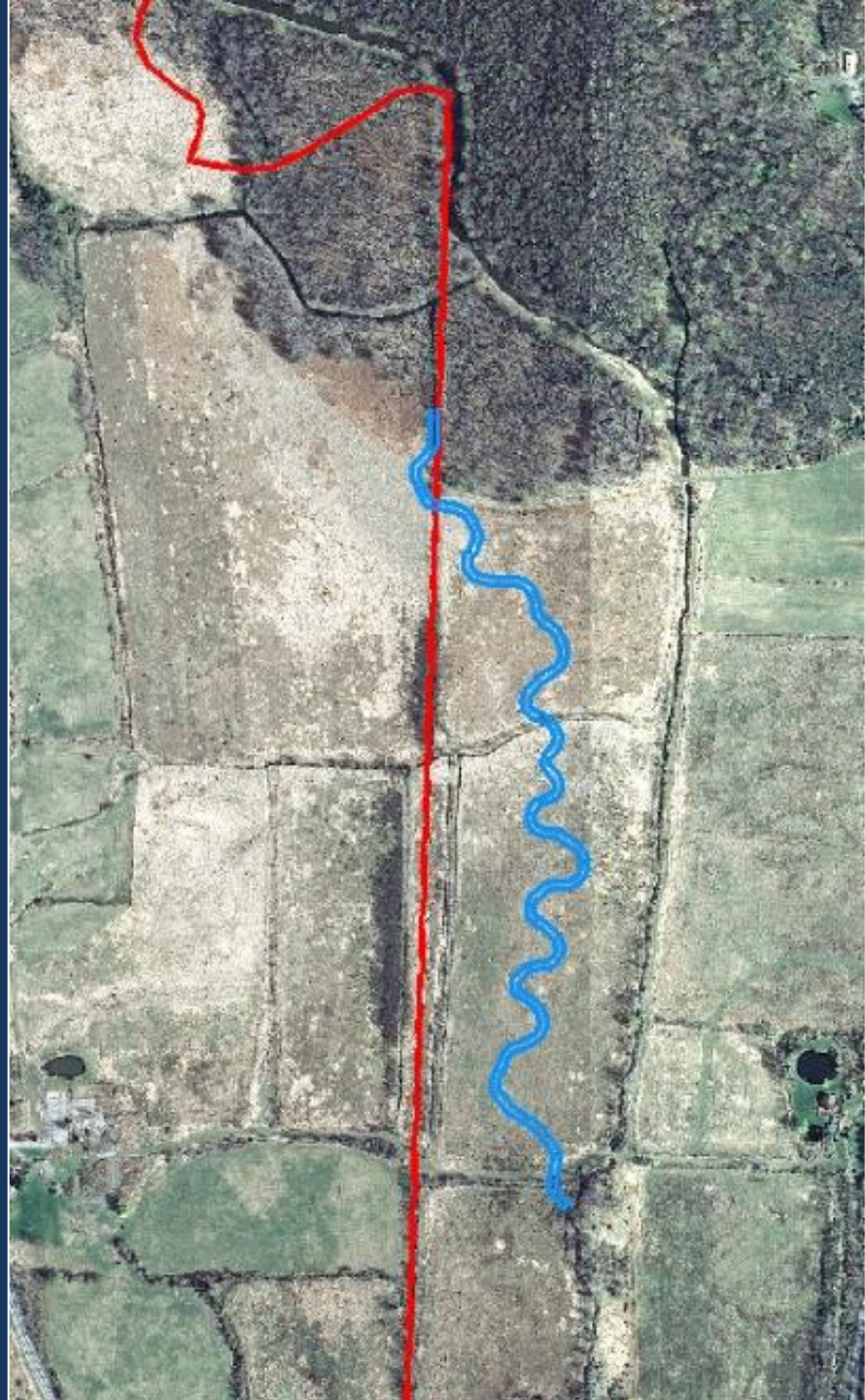
Recommendations – Nature Based Solution

- Allow water to slow down and spread out
- Use nature to filter out sediment and nutrients
- Enhance opportunities for recreation
- Improve habitat for fish and other wildlife



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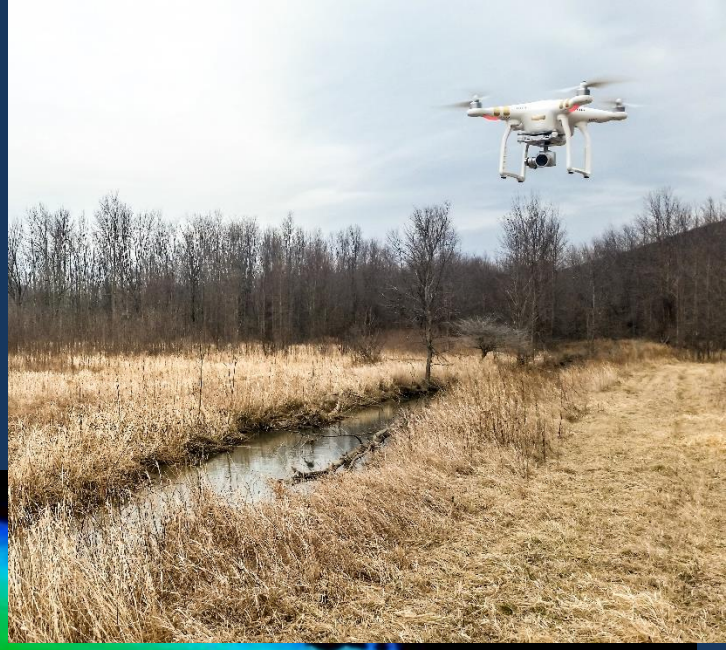
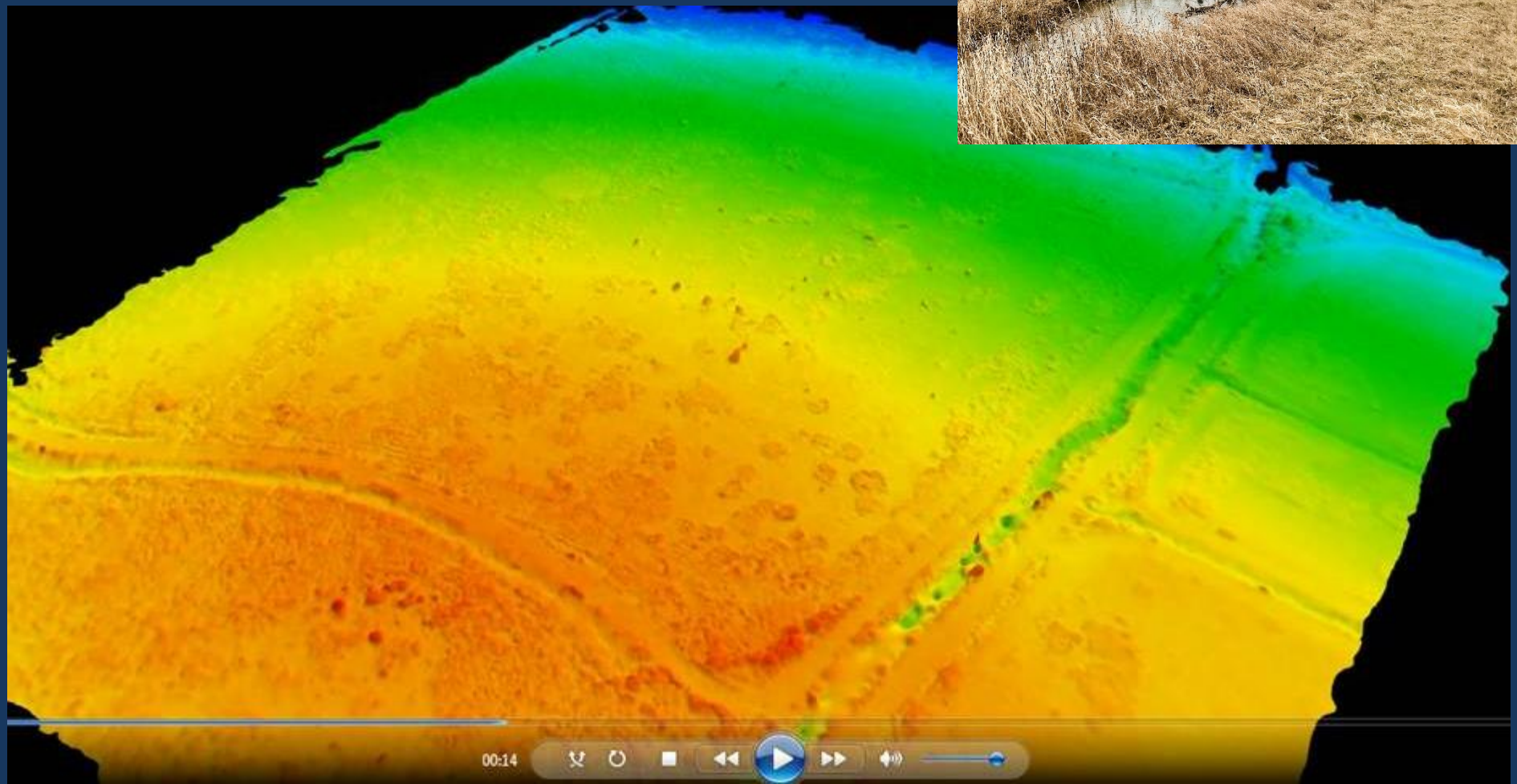
Next Steps

1. Permitting in progress (SWCD)
2. Monitoring of water quality, birds and amphibians, and geomorphological response (TNC)
3. Implement construction phase (SWCD, USFWS)

Geomorphological Response





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Questions

Thanks to:

- Honeoye Lake Watershed Task Force
- Ontario County Soil and Water Conservation District
- NYS Dept of Environmental Conservation
- USFWS
- FLCC and the Muller Field Station
- Honeoye Valley Association
- Princeton Hydro