



Cleveland Metroparks®

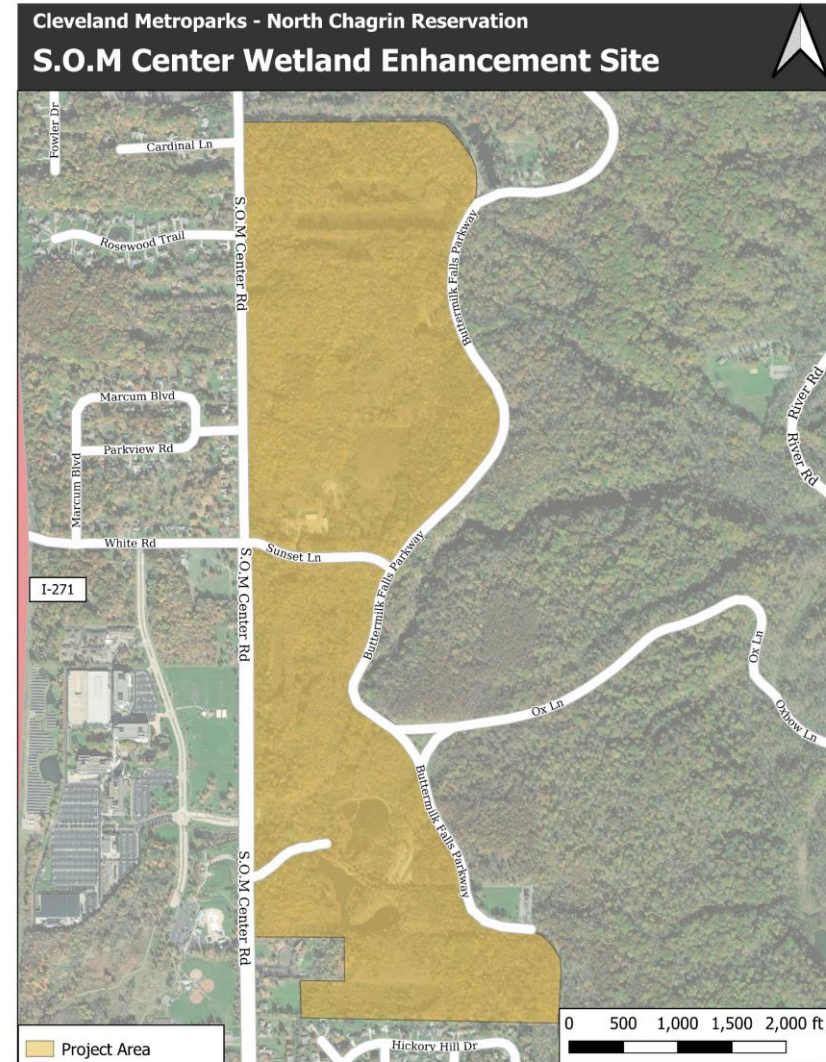
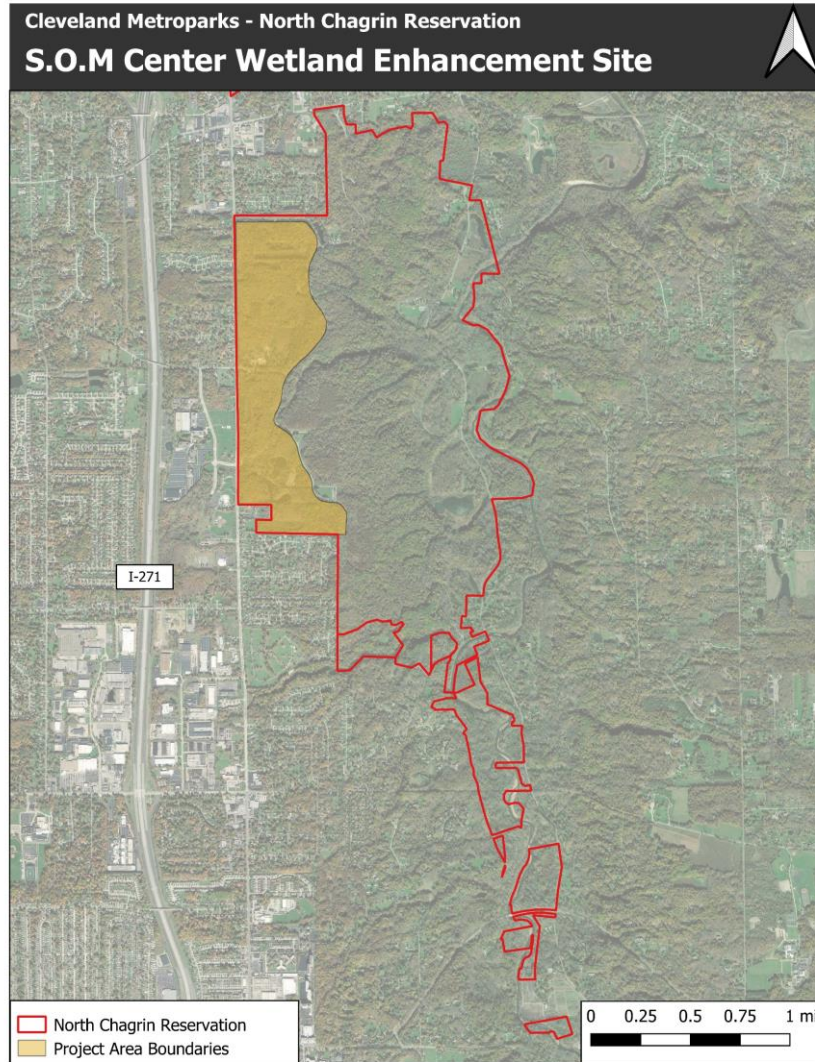
FIND YOUR PATH

Natural Resources Update: North Chagrin Wetland Enhancements

John Reinier
June 15, 2023



Project Area



Land Use History



Land Use History



Land Use History



Opportunity knocks!

- Cleveland Metroparks was contacted in 2022 by a consultant inquiring about wetland restoration opportunities in the Chagrin River watershed.
 - Part of Partial Consent Decree related to Clean Water Act violations.
- Site visits and multiple conversations in late '22/early '23
- Restoration plan and legal documents finalized within the last few weeks
- Restoration work expected to continue over the next five years
- Structure of the funding agreement allows flexibility in how the work gets done

Restoration Approach

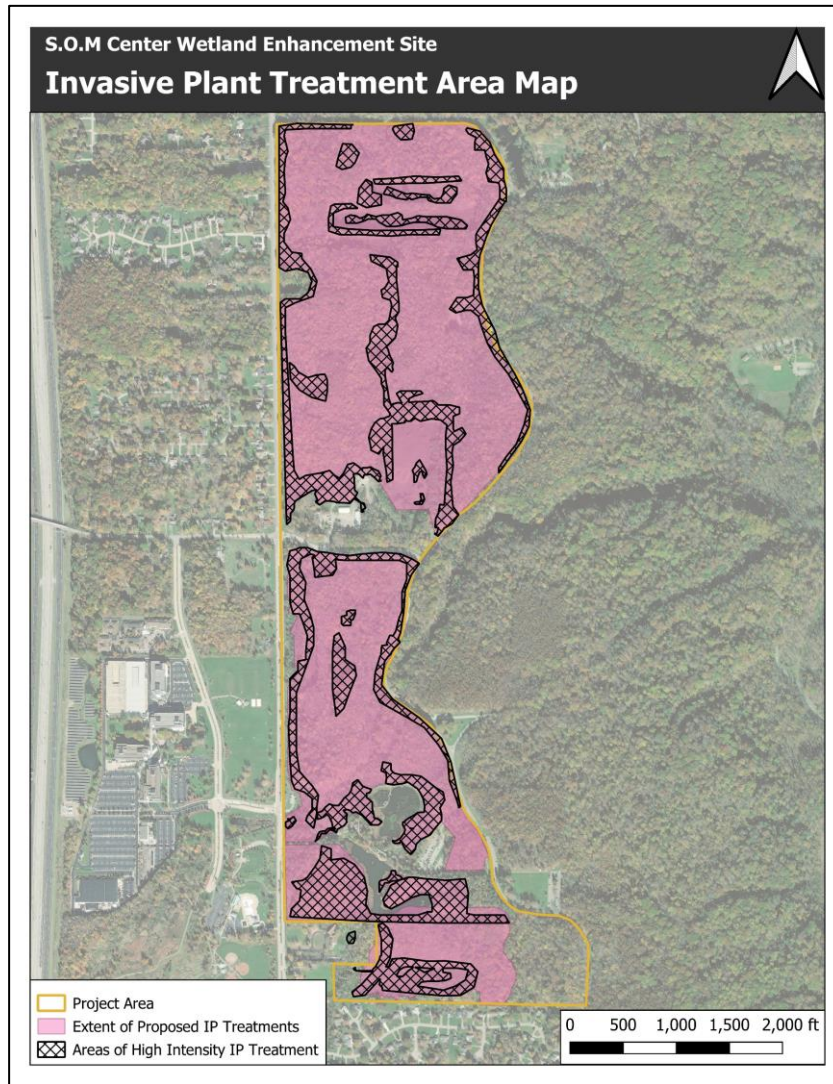
S.O.M Center Wetland Enhancement Site
Hydrologic Enhancements - Check dams



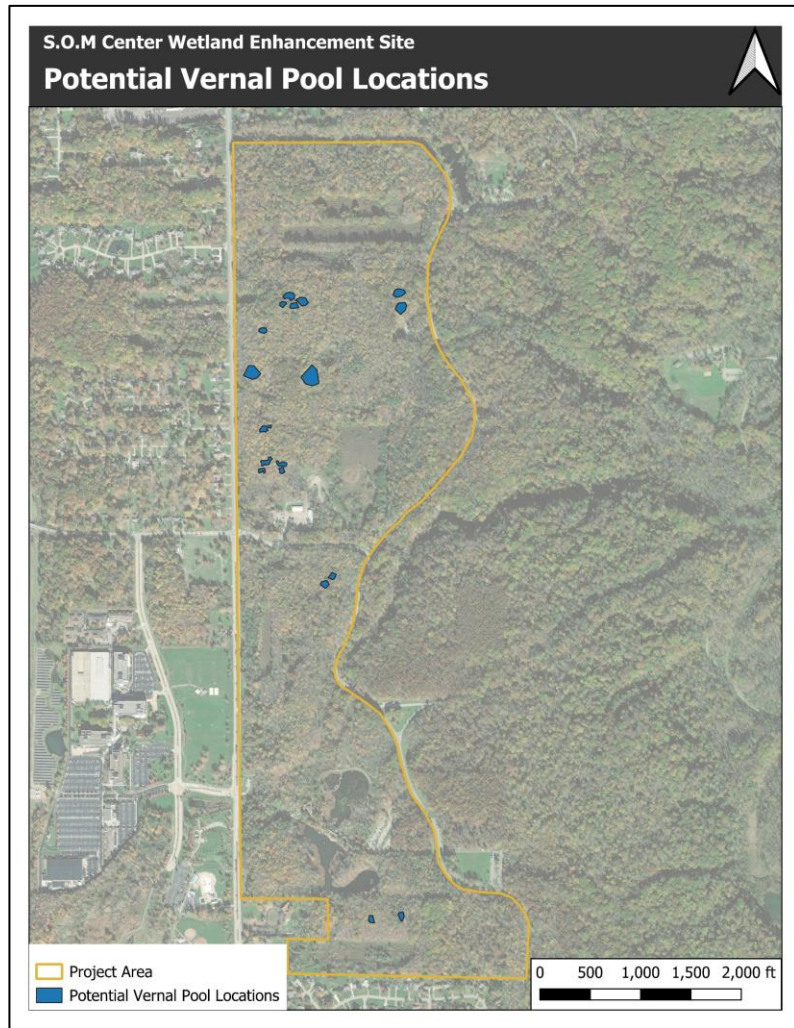
S.O.M Center Wetland Enhancement Site
Hydrologic Enhancements - Ditch Fills



Vegetation Management



Vernal Pool Enhancement



Rare Species



Fuller's Bristle-berry (*Rubus fulleri*)



Pennsylvania Hawthorn (*Crataegus pennsylvanica*)

Schedule/Budget

Year	Month	Work Type	Duration
2023 - 2026	July - October	Disrupt artificial drainage throughout project area and do minor grading for hydrologic enhancement	Two to three growing seasons; Limited to late summer and fall when conditions are generally dry
	Throughout	Invasive Plant Management	Continuous (weather-permitting)
	Throughout	Forestry/Timber Stand Improvement	Two growing seasons (will generally follow grading/hydrologic improvements in any given area)
2027	Throughout	Follow-up Adaptive Management	As needed

Total project budget = \$550,000