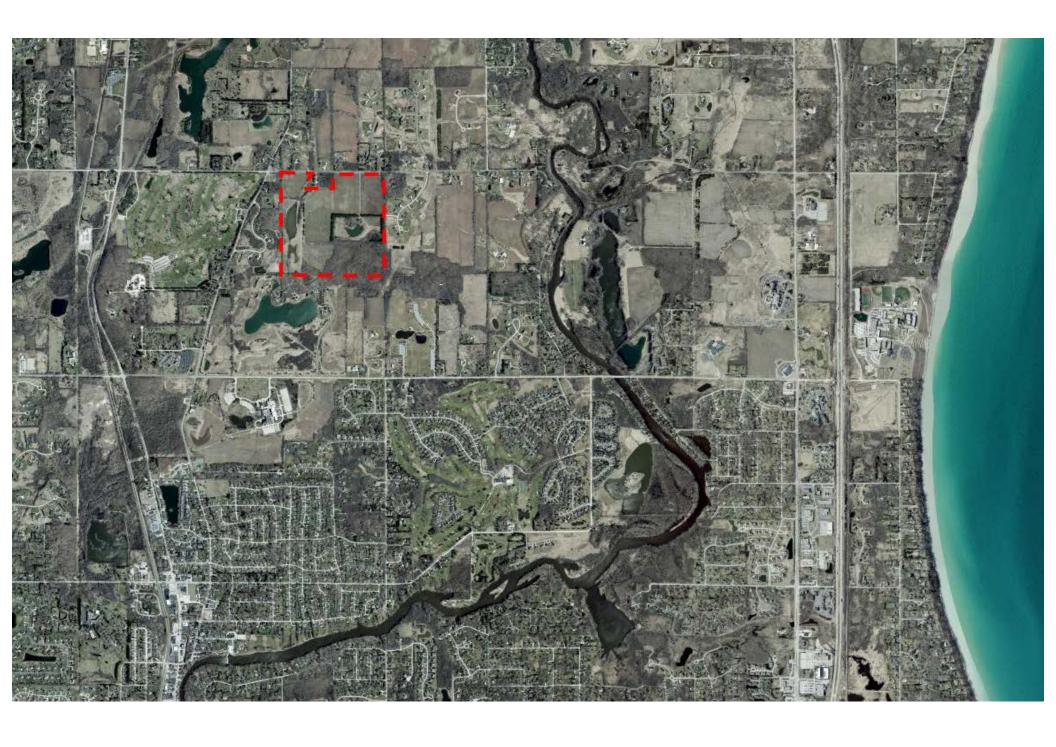
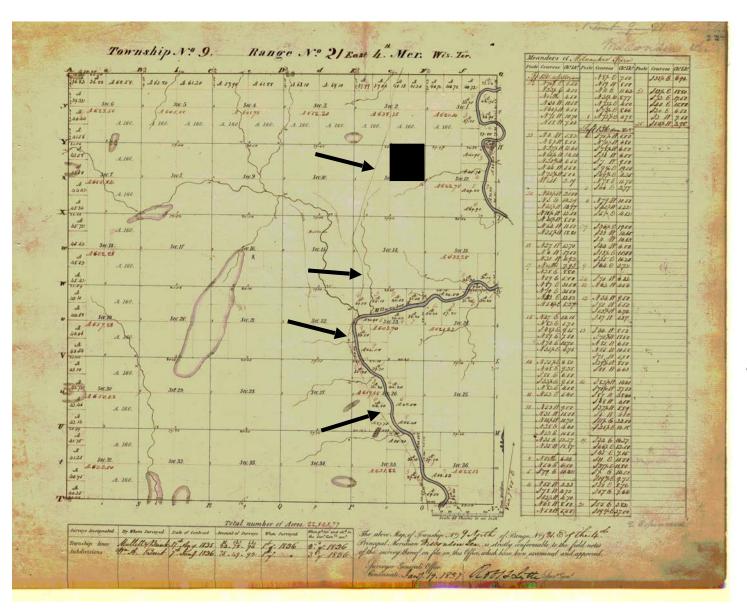


Spirit Lake
Preserve as a
Place of
Restoration Ethos

Nathaniel Wurzer Land Restoration School





1836 Commission of Public Lands Survey Vegetation in 1836: Woodland with sugar maple, hickory, beech, oak, basswood, ironwood, elm

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	61.52 Do-10 10 56 - Lect Con .	60.34 Buch 9 " 71.58 Do 4 80.04 Lest Ear February 22 1835 Clear & pleasant	Hickory Lynn Elm Ash. Fronton Joil Loon

1937 Aerial Photograph





The Big Picture

- Not cohesive
- In danger reference ecosystem on site
- Near the Milwaukee River
- Existing Partnerships:
 - Milwaukee Metropolitan Sewage District (conservation easement)
 - Milwaukee Audubon Society (funding partner to potentially assume ownership)
 - Ozaukee Washington Land Trust (current owner and steward)
 - WIDNR (stewardship grant awarder)
- Potential Partnerships:
 - Flowering Tree Indigenous organization (others?)
 - Mequon Thiensville Rotary Club
 - Milwaukee Area Technical College
 - · University of Wisconsin-Milwaukee
 - Land Restoration School
- Pre-settlement vegetation
- Historical use



Long-term Goals

- Restoration and expansion of the woodland
- Land use as an educational center, event space, and for general community engagement
- Restoration agriculture experiments, studies



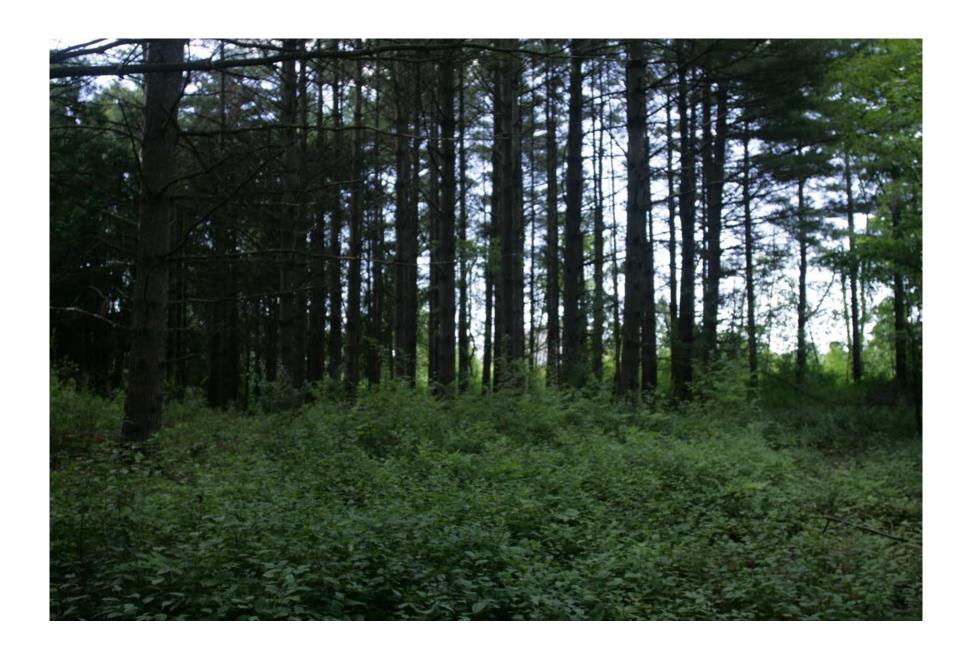


Areas of Restoration Focus

- Slow pine removal, over the course of three years.
 - Could be structurally assessed
 - Sold
 - Left as boarding houses and nurse logs
- Shrub-land provides softwood cuttings of dogwood and ninebark to plant into the <u>disturbed areas:</u> underneath the dead ash and where conifers have been removed
 - Migration facilitation
 - Competition against nonlocal beings
 - Even and random distribution throughout

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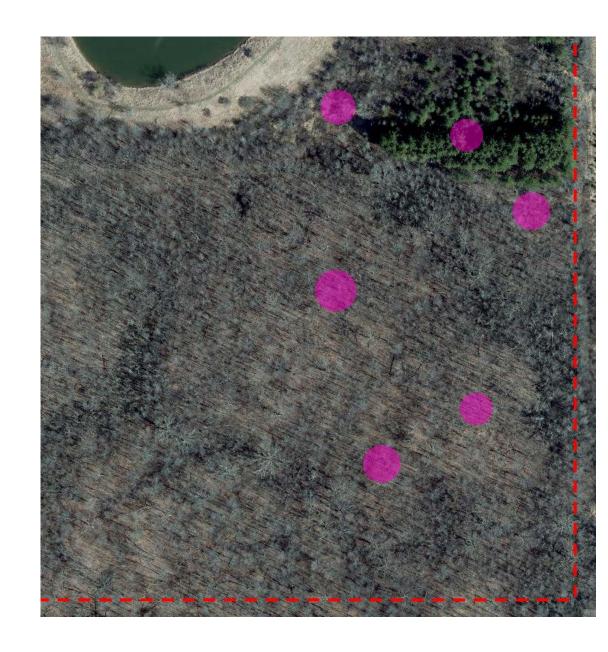






Protected areas

- Non-local being removal focus
 - Use debris to construct exclosures (herbivore protection)
- By creating "priority" areas, native vegetation is encouraged to become established. Maintenance is targeted.
- On a three-year cycle, the protected areas will be expanded.
 - Rest, protect, expand
 - Propagate native plants using cuttings, division, and seed collection of existing native beings
- Elderberry, *Ribes* and *Rubus* sp. are proposed to be



Next Steps

- Tree species composition and distribution of diameter random plot survey
- Herbaceous plant random plot survey
- Consideration of fauna monitoring
- Time studies to inform cost of non-local being removal and density
- Contact nearby landowners and stakeholders
- Contact indigenous organizations
- Discuss trail system
 - Connection with nearby Rotary Park