



Introduce:

- Our vision + purpose
- Community engagement efforts
- Wetland restoration successes

Explore:

- How to connect wetland restoration to stormwater planning, projects, agencies
- How to connect community engagement to CSC



114 years of conservation impact







Wild Indigo Nature Explorations

Building lasting relationships between urban communities of color and their local natural areas.

- Engages multigenerational communities of color with outdoor recreation, environmental education, and stewardship opportunities
- Employs local, culturally competent, program coordinators and docents.
- Facilitates culturally relevant, co-designed programs
- Identifies and mitigates barriers for engaging in natural areas (language, transportation, gear, special needs, etc.)







Wild Indigo Nature Explorations

- Builds genuine relationships with community leaders.
- Provides professional development or compensated opportunities for community members to take action in organizing/implementing outdoor education, recreation or stewardship activities.
- Aims to empower participants to move from awareness to action.





Where birds thrive, people prosper

Protect birds and the places they need now and in the future

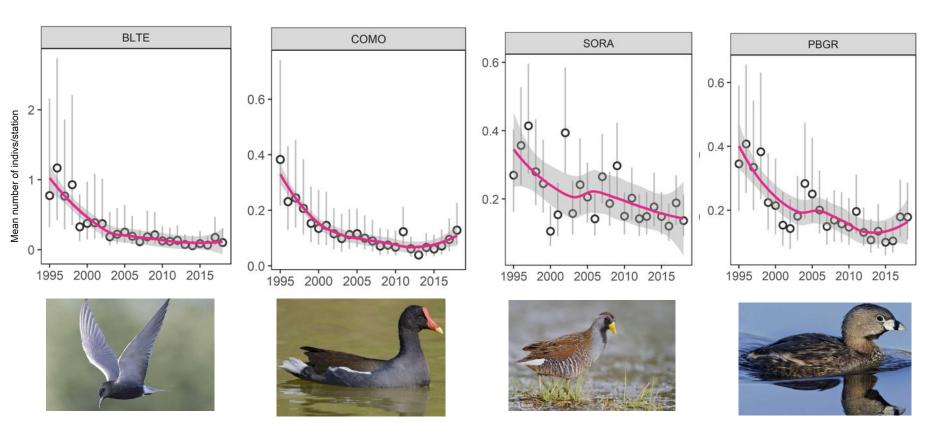
Conservation informed by science and owned by local communities

Translational ecology: directly serves natural resource managers and decision makers

Focal Species

Great Lakes Marsh Monitoring Program 1995 – 2018



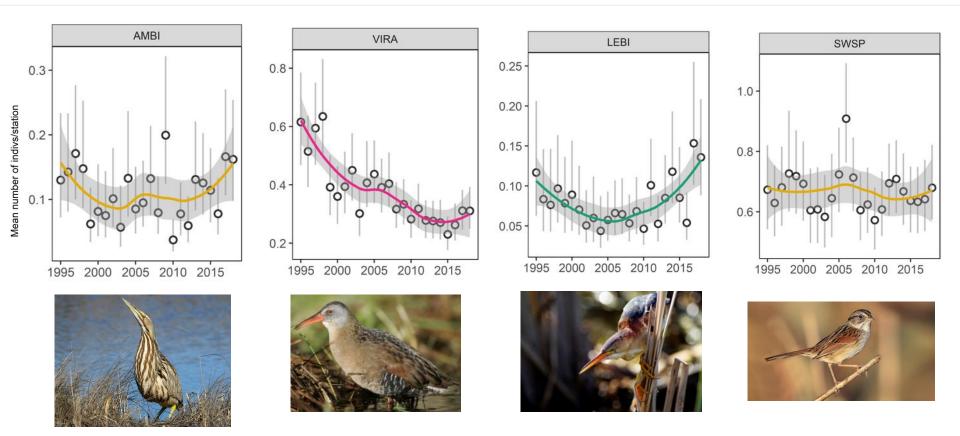


Pink indicates significantly declining trend

Focal Species

Great Lakes Marsh Monitoring Program 1995 – 2018





Pink indicates sig. declining trend; yellow indicates stable trend; green indicates sig. increasing trend

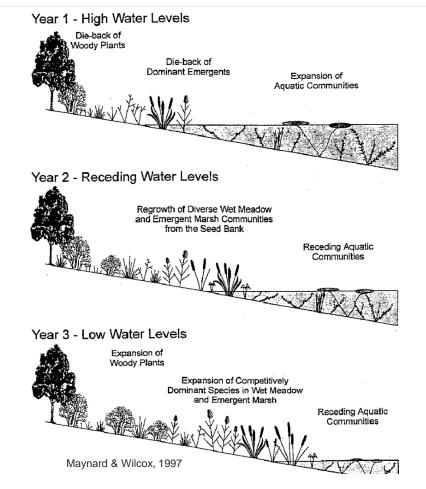






Creating hemi-marsh conditions

- Wetlands are inherently dynamic systems
- Seasonal, annual fluctuations of water are key
 - Restoring urban hydrology and drainage patterns is high priority
- Herbivory (muskrats, beaver)
 keep patches of open water

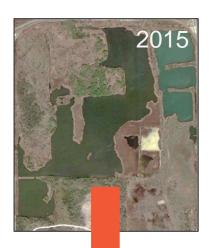




Restoration Works

Big Marsh – Species Detected During Surveys

		2015	2016	2017	2018	2019
	American Bittern				X	Х
>	American Coot			X	X	
1	Black-crowned Night-Heron	X			X	X
\$	Blue-winged Teal			X	X	Х
ئ ـ	Common Gallinule			X	X	Х
1	Least Bittern			X	X	Х
>	Marsh Wren	X	X	X	X	Х
2	Pied-billed Grebe				X	
*	Sora			X	X	X
	Swamp Sparrow			X	X	Х
	Virginia Rail			X	X	Х









Great Lakes Restoration Projects

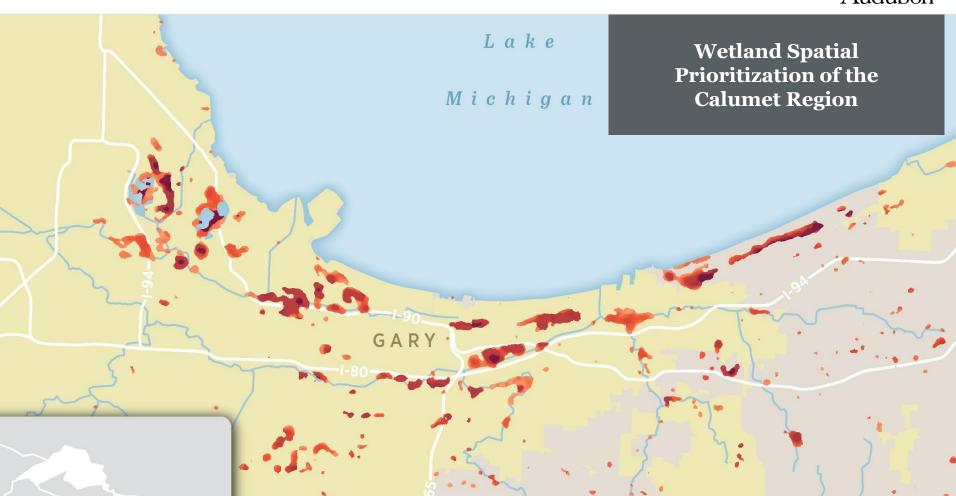
Underway

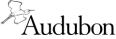
Coming online in 2020

Highest future priority



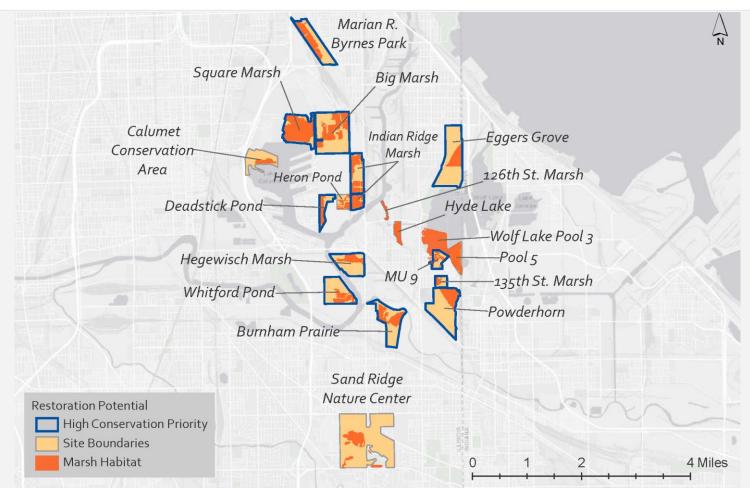


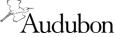


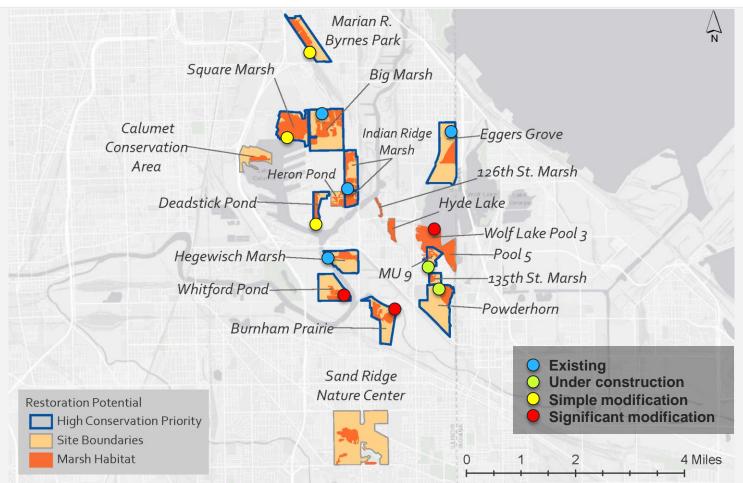






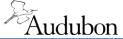














Wolf Lake and Powderhorn Marsh 1939







FPCC 2018 analysis @ Powderhorn:

- Hydrologic study to explore restoration options of the park
- 90% completion of engineering, design for restoration-

NOAA-GLC grant:

- \$980k
- Final 10% design documentation
 - Adjustments to design, improve fish passage
- Construction of the project











Thank you!