



SANDHILL CRANE WETLANDS



Ohio Environmental
Protection Agency

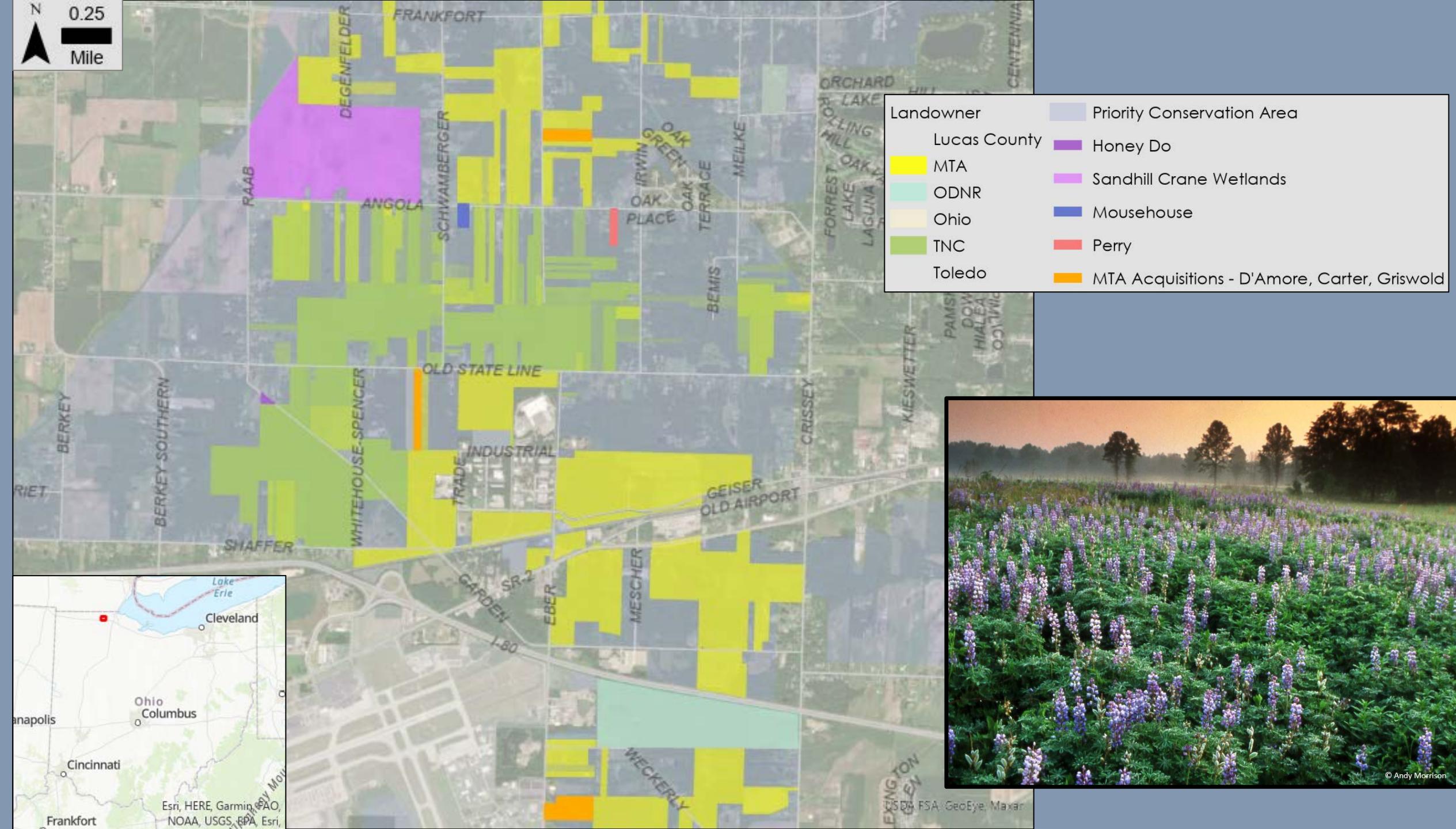
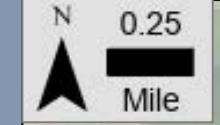
*Water Resource
Restoration Sponsor
Program &*



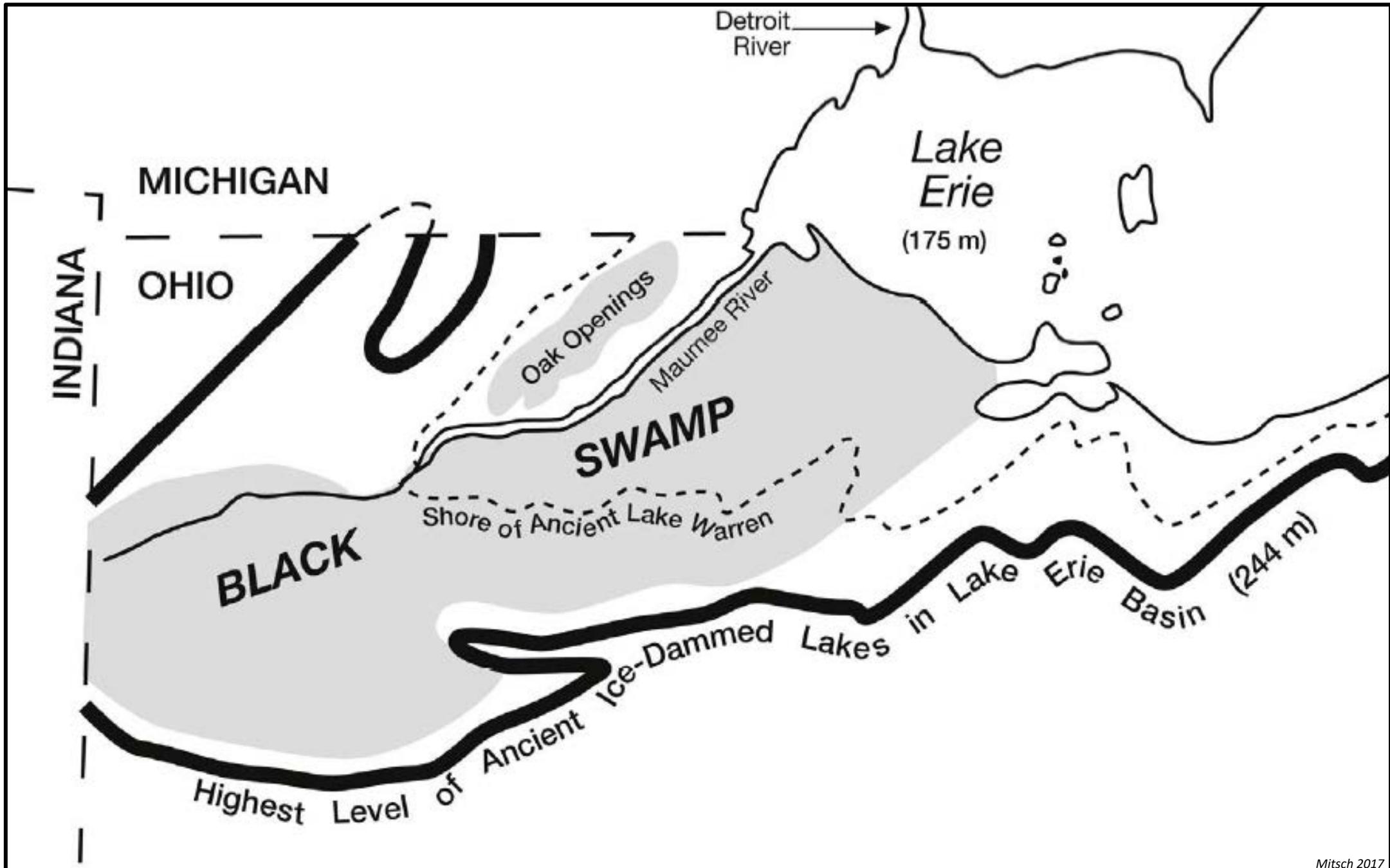
The Nature
Conservancy



Alexis Sakas



© Andy Morrison



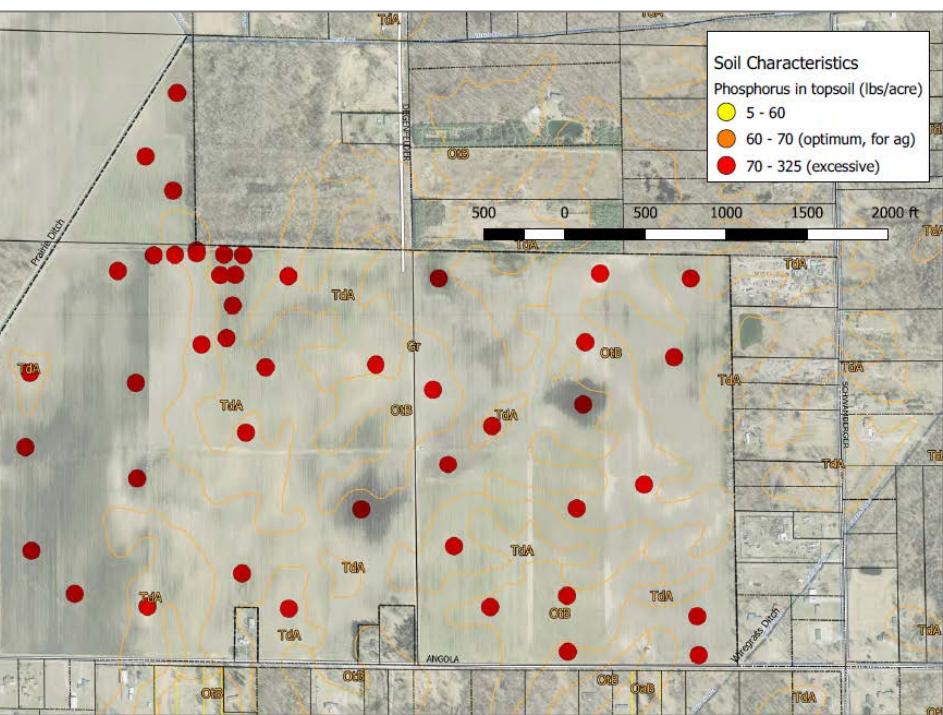
A photograph of two Sandhill Cranes in flight against a dramatic sunset sky. The birds are positioned in the upper half of the frame, facing each other with their wings spread wide. The background features a vast, flat landscape with a line of trees on the horizon under a sky filled with orange, yellow, and blue clouds.

Sandhill Cranes Wetlands



Restoration Approach

- Soil
- Flora





Restoration Approach

- Soil
- Flora
- Fauna
- Topography



© TNC

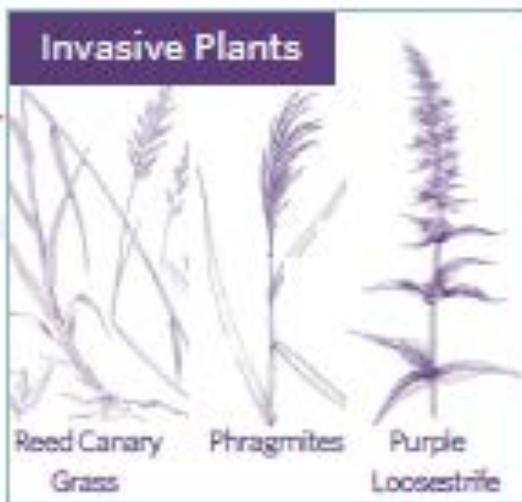




MODIFYING PONDS AND THEIR SURROUNDINGS

TO BENEFIT BIRDS AND AMPHIBIANS IN NORTHWEST OHIO

BEFORE



Typical deep pond with steep slopes

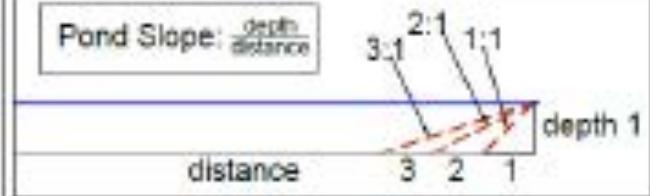
4+ feet
deep



Marginal/Transitional
Shrub Zone

Understory
Shrubs

Large
Canopy
Trees
(low density:
5-30 trees
per acre)



AFTER

Oak Opening Shallow
Vernal Pond (typical)

2-3 feet deep

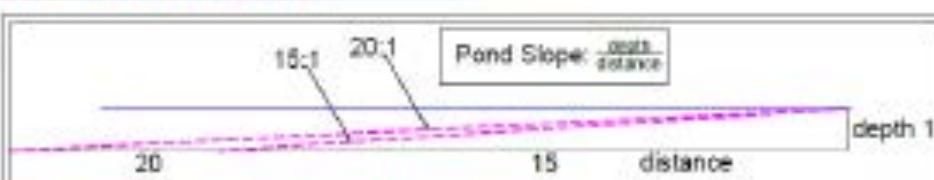
Marginal Furb Zone
0-6 inches of water

Emergent Shrub Zone
0-6 inches of water

Marginal/Transitional
Shrub Zone



Large
Canopy
Trees
(low density:
5-30 trees
per acre)

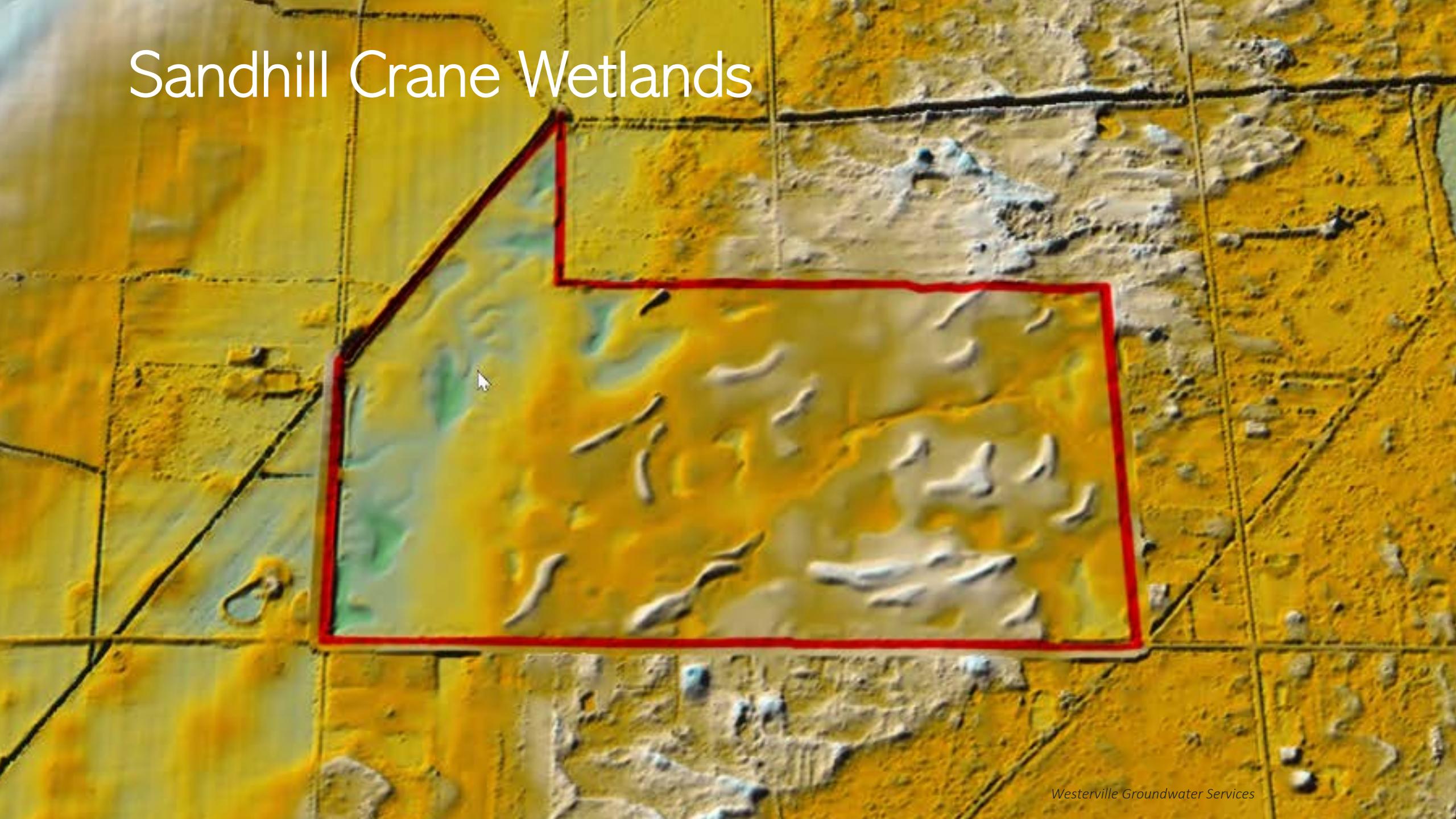


Drawings provided by:





Sandhill Crane Wetlands



Restoration Approach

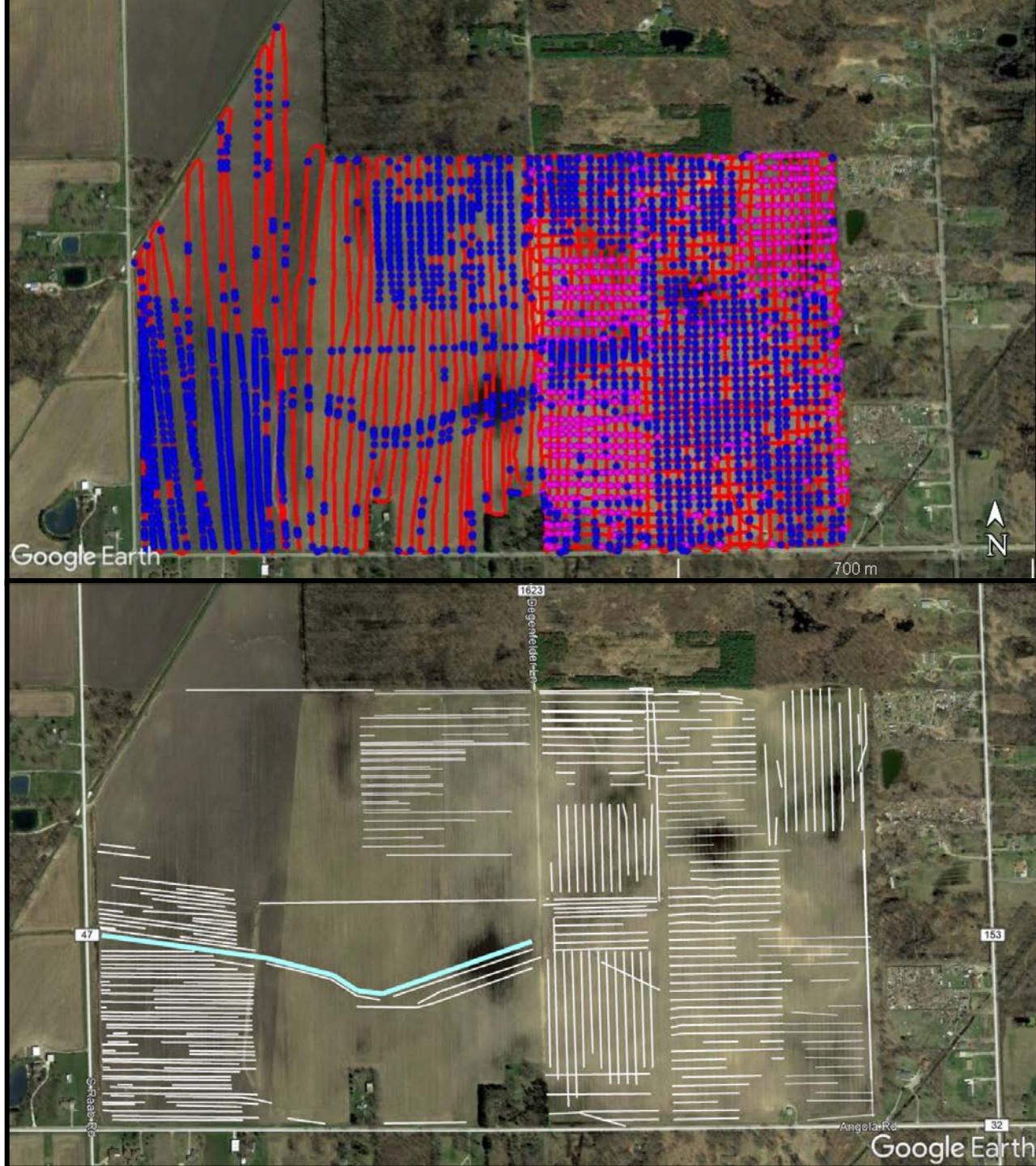
- Soil
- Flora
- Fauna
- Topography
- Hydrology



Hydrology Infrastructure

Ground penetrating radar

Transects & positive detections →

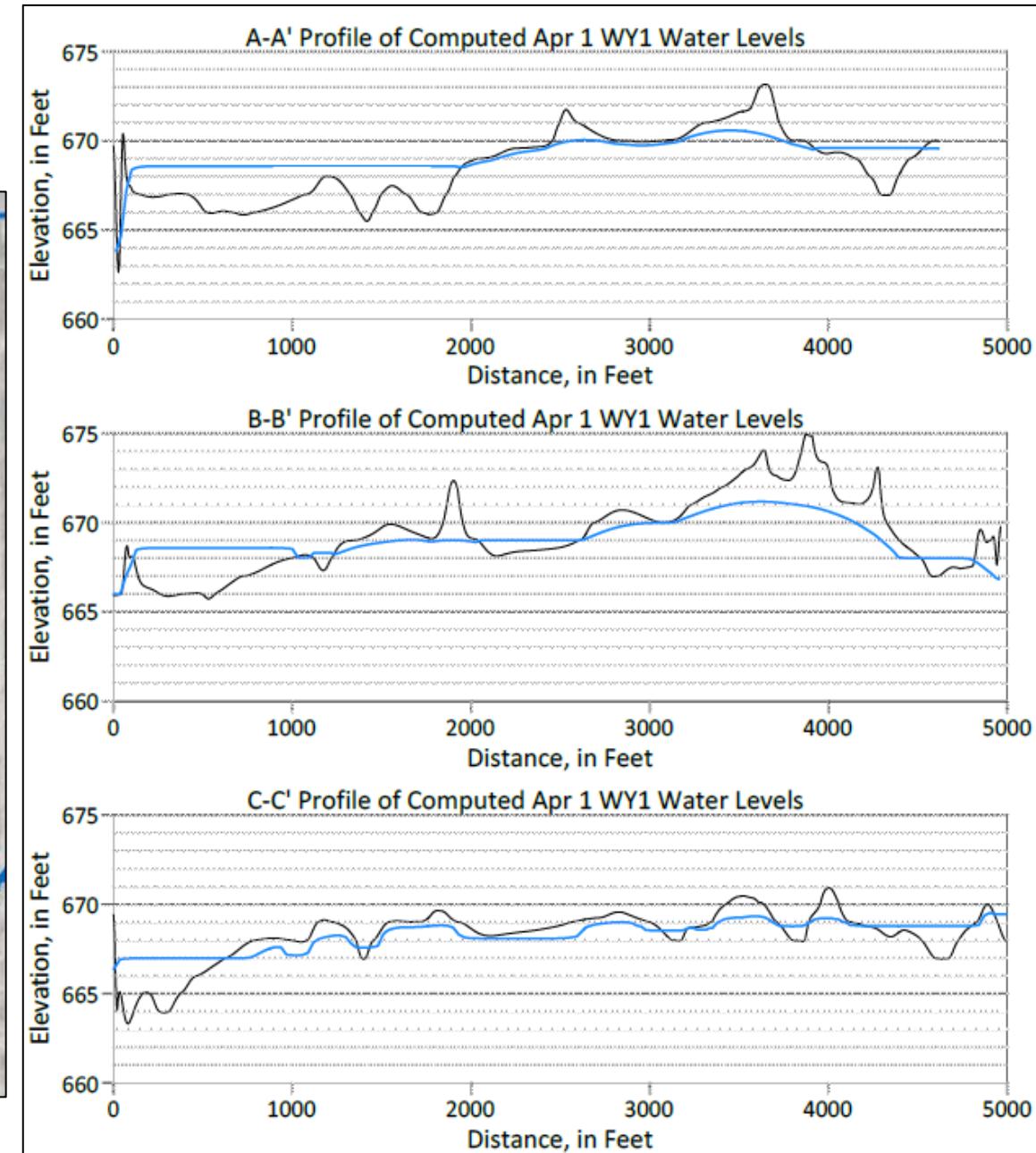
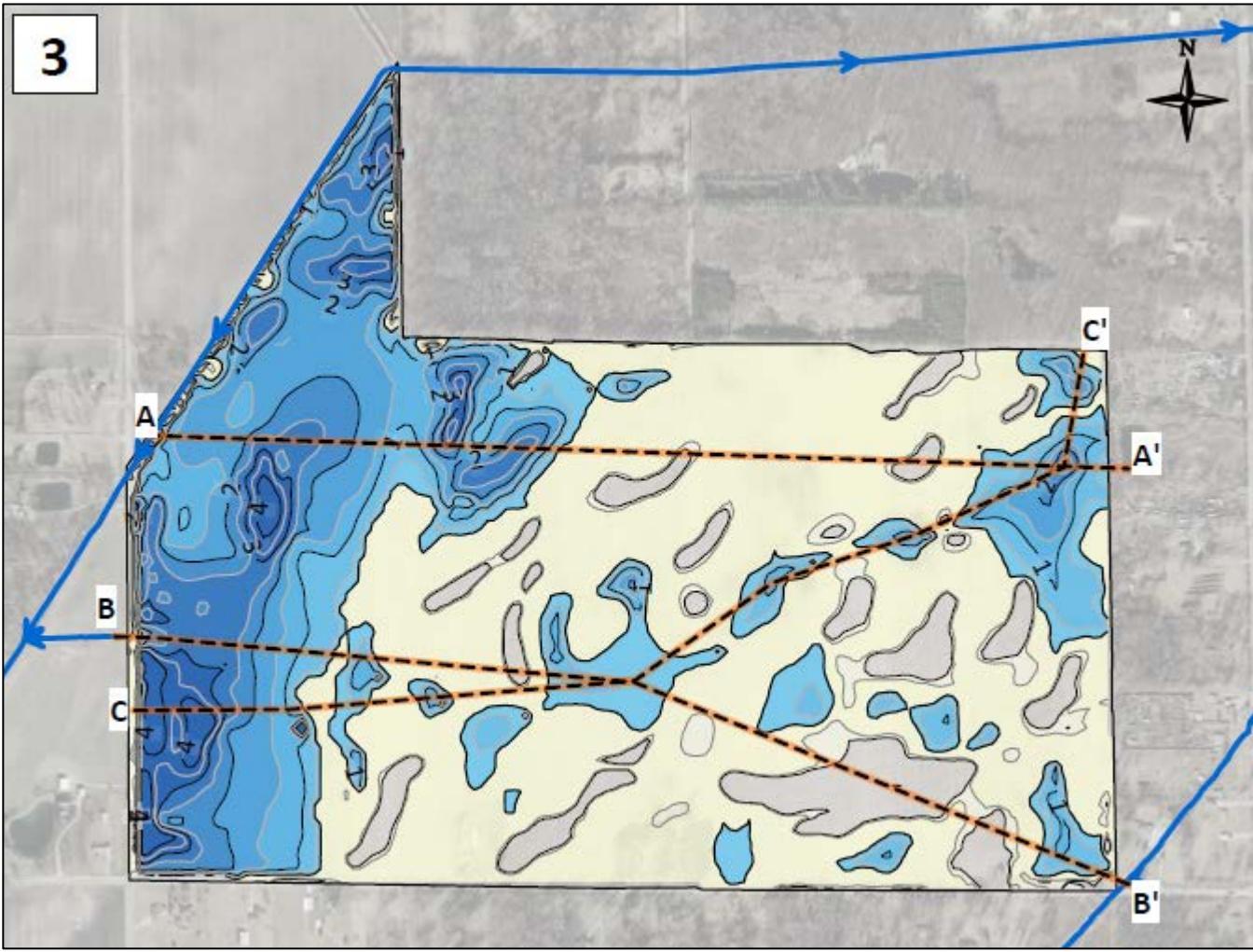


Interpretation →→



Surface-water – Groundwater Model

3



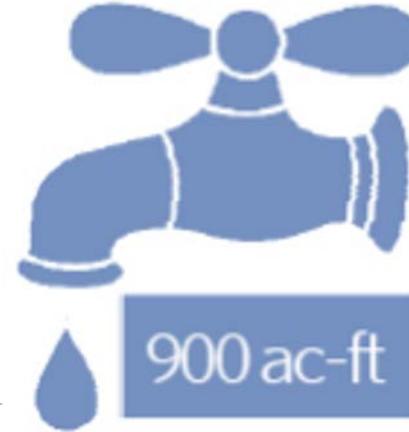
On the 280 acres of
**critical wet and upland
prairie habitat** restored
through this project...



>50
acres will be scraped
to provide shallow
depressions for
aquatic species and
emergent vegetation



30+
miles of
agricultural
drainage tile will be
decommissioned



900 ac-ft

of additional
storm-water
storage will be
provided



200+
native species
will be seeded



7,000

native saplings will
be planted

Thanks!

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