

## Spring Creek Reserve Plans

Green County, Wisconsin

### Existing Conditions

#### Legend

Cave
Spring Creek Reserve Boundary
River or Creek
Apfelbaum Farm
Land Cover (Apfelbaum Farm)
Barley

Big Bluestem Corn

Garden, Buildings

Indian Grass Little Bluestem

Phragmites Savanna

Sedges, Savanna, Grasses Spartina

Land Cover

1: Developed 2a: Ag 2b: Prairie 2c: Old-Field

3a: Mesic Forest 3b: Savanna

3c: Plantation

////, 3d: Fence Row

4a: Floodplain Forest 4b: Reed Canary Grass 4d: Sedge Meadow

4e: Lawn

6: Open Water

1b: Disturbed Forest Bed rock Out Crop

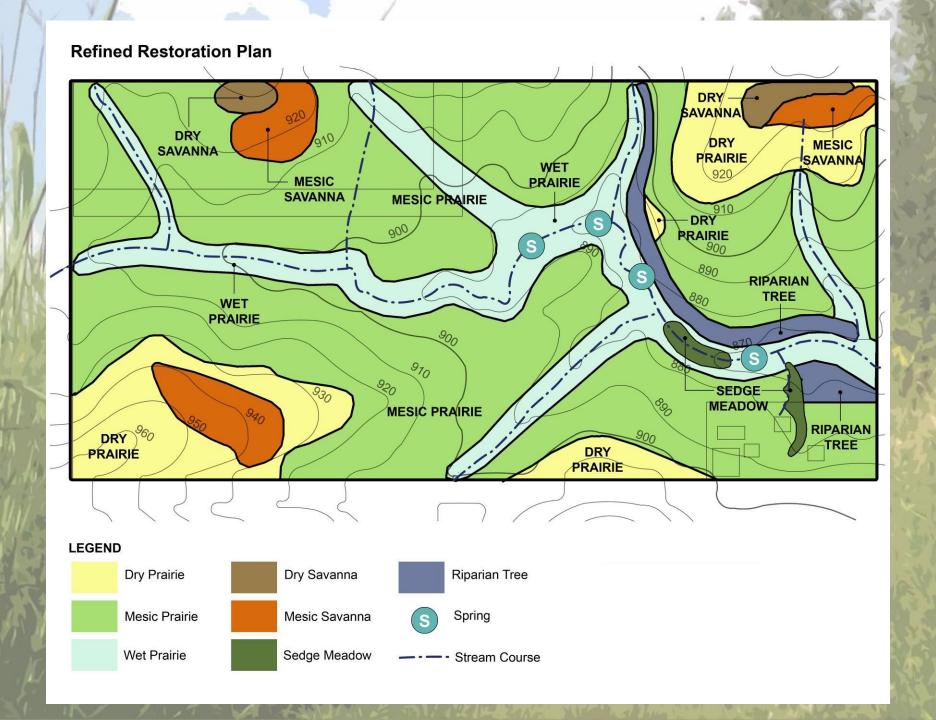


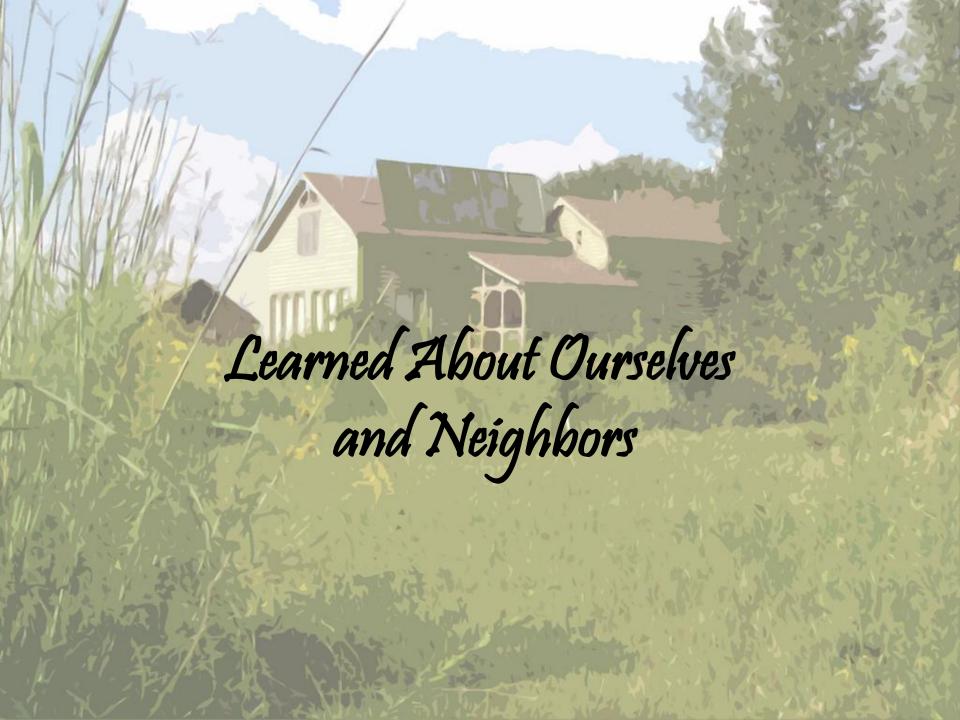
0.5 Miles

0.25

Mapped by: j.l.c. Date:11.03.02 AES: 02-627 Source: USGS

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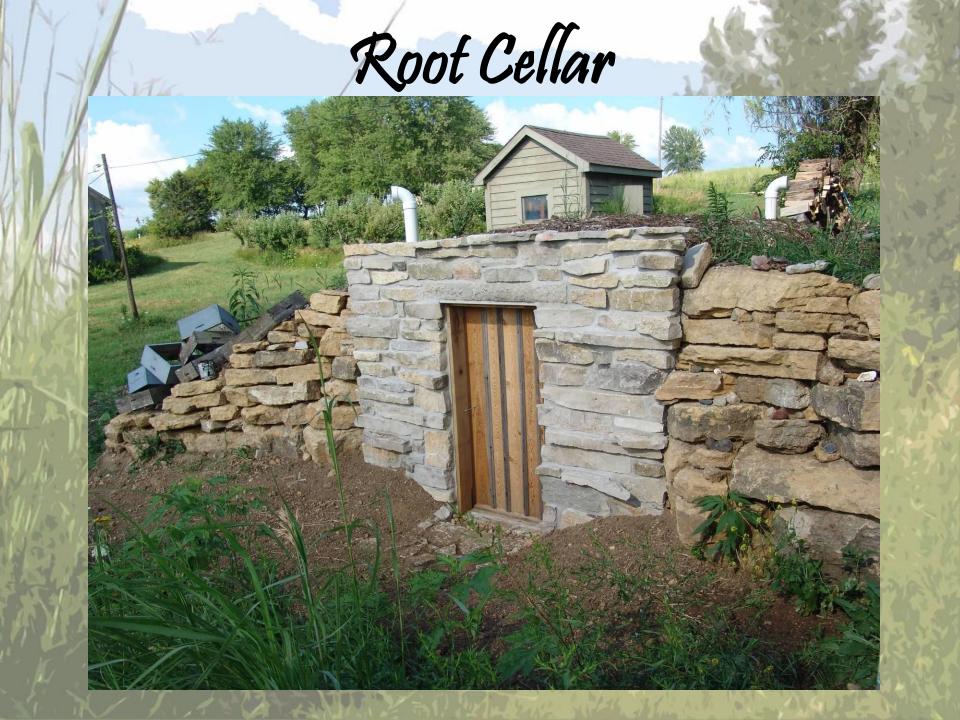






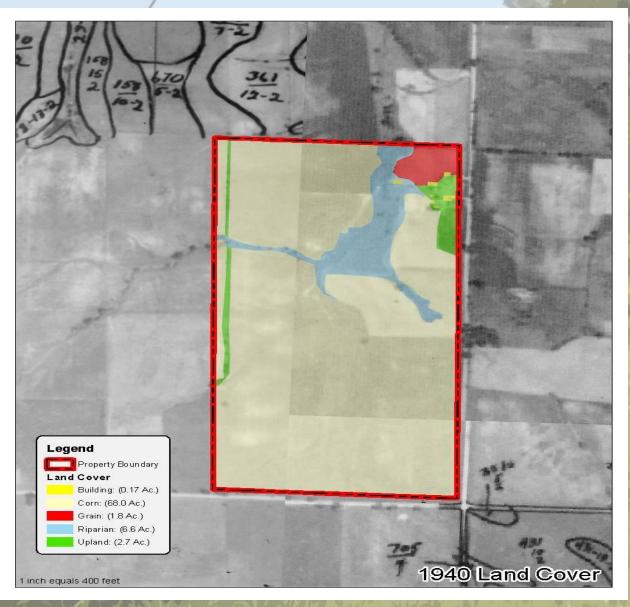


# Gardening



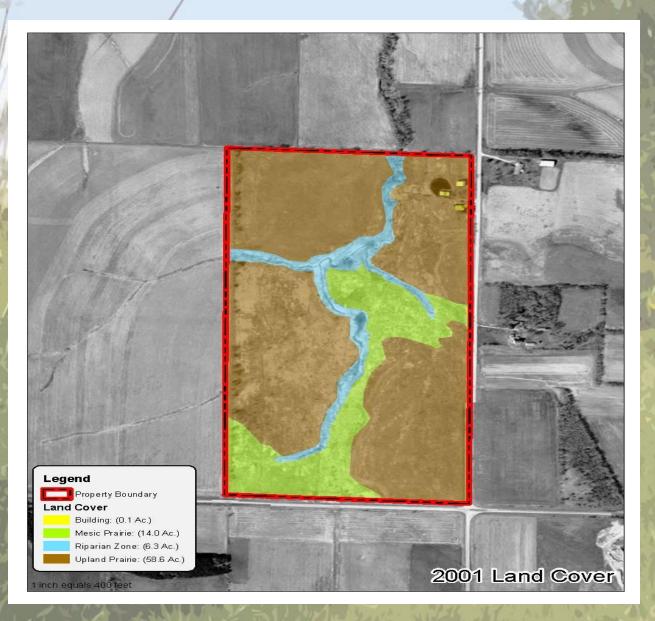


# 1940 Land Cover





## 2001 Land Cover



# Prescribed Burning



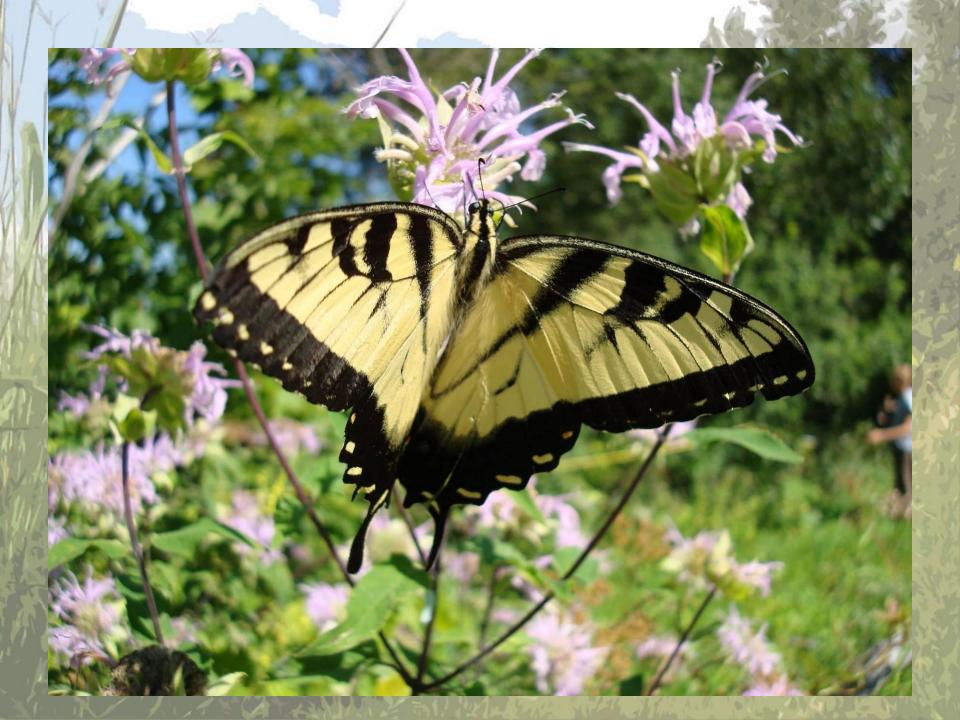












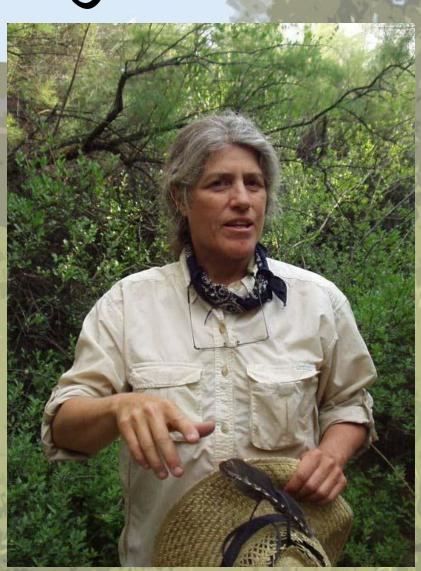


**Whooping cranes Returning Home** 

# We've Aged





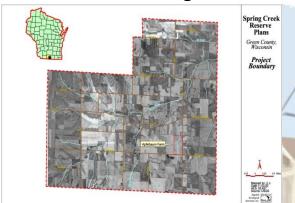


# Response of Life—Number of Species

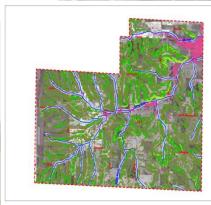
Species	Historic	1981	2008	
Vegetation	>300	131	324	
Amphibians*	>8	3	7	
Birds*	>103	39	115	
Reptiles*	11	0	5	
Mammals*	>23	18	25	
Fishes*	26	1	10	

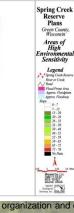
<sup>\*</sup>Present during Nesting and Breeding Seasons

#### Ecological Restoration GIS Model, Spring Creek, Green County, Wisconsin









Legend

Spring Creek Reserve Boundary Wet Prairie

Sedges, Savanna, Grasses

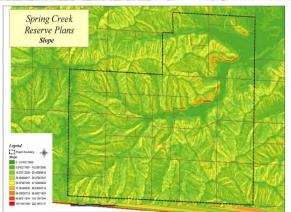
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Mesic Prairie Dry Prairie

Upland Forest

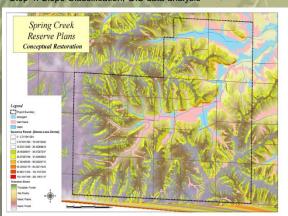
Savanna Forest

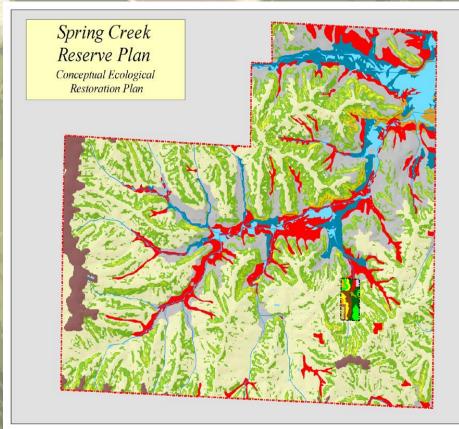
Step 3: Environmental Sensitivity Map, GIS data organization and overlay



Step 1: Location Map, GIS data base development

Step 4: Slope Classification, GIS data analysis





Spring Creek Reserve

Green County, Wisconsin

Existing Condition

Legend

Magned by J.L.
Source USGS
Applies 1990/19

Step 5: Preliminary Concept Map, GIS data analysis and model development Step 6: Conceptual Ecological Restoration Map, GIS data analysis and model execution



# Applied Ecological Services, Inc. Denient Conntinue



From our five offices in the United States, we have managed and/or worked on projects in 37 states and the District of Columbia, plus three Canadian Provinces, seven foreign countries and one US commonwealth.

# Taylor Creek Restoration Nursery

- Seed
- Plants
- Trees & Shrubs
- Custom Seed Cleaning
- Contract Growing
- Genetic Radius Species









Taylor Creek Restoration Nursery Greenhouse; Brodhead, WI



Taylor Creek Restoration Nursery Seed Barn; Brodhead, WI

# Consulting

- Design Collaboration
- Ecological Assessment
- Engineering
- Expert Witness



~30 million acres of projects at this time

# Contracting

- Design Build
- Bid -Build
- Bioengineering
- Eco Construction
- Seeding
- Planting
- Erosion Control
- Woodland Brushing
- Ecological Management
- Value-Added Engineering
- Maintenance



Fort Sheridan Ravine Restoration; Highland Park, IL

