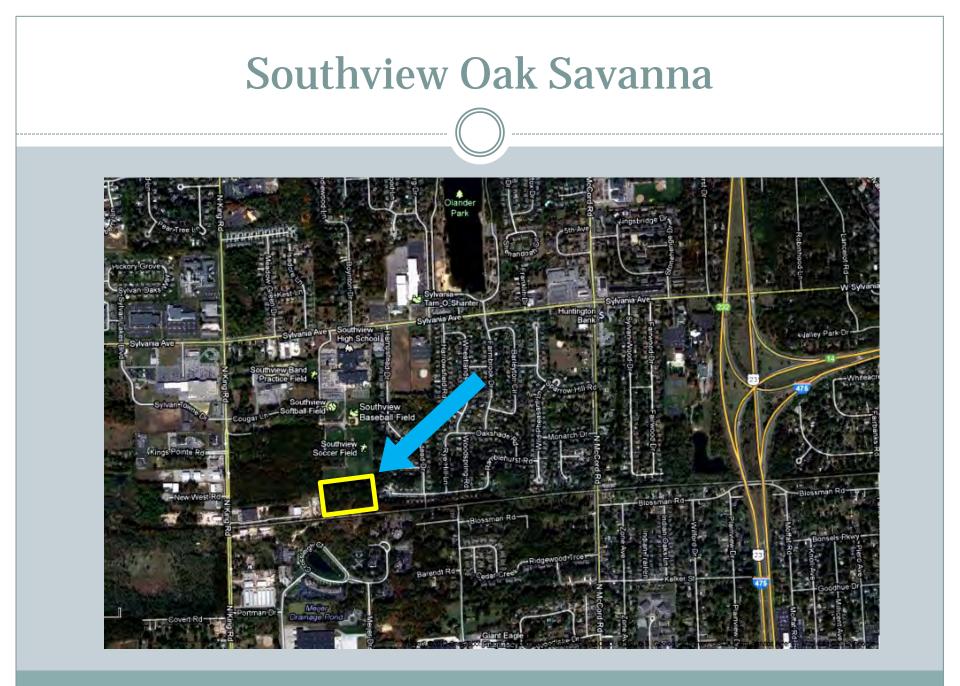
Restoration at The Olander Park System



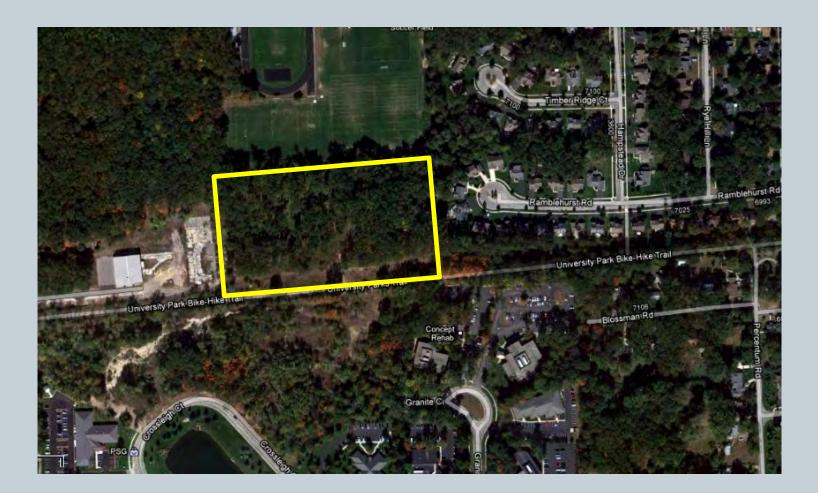


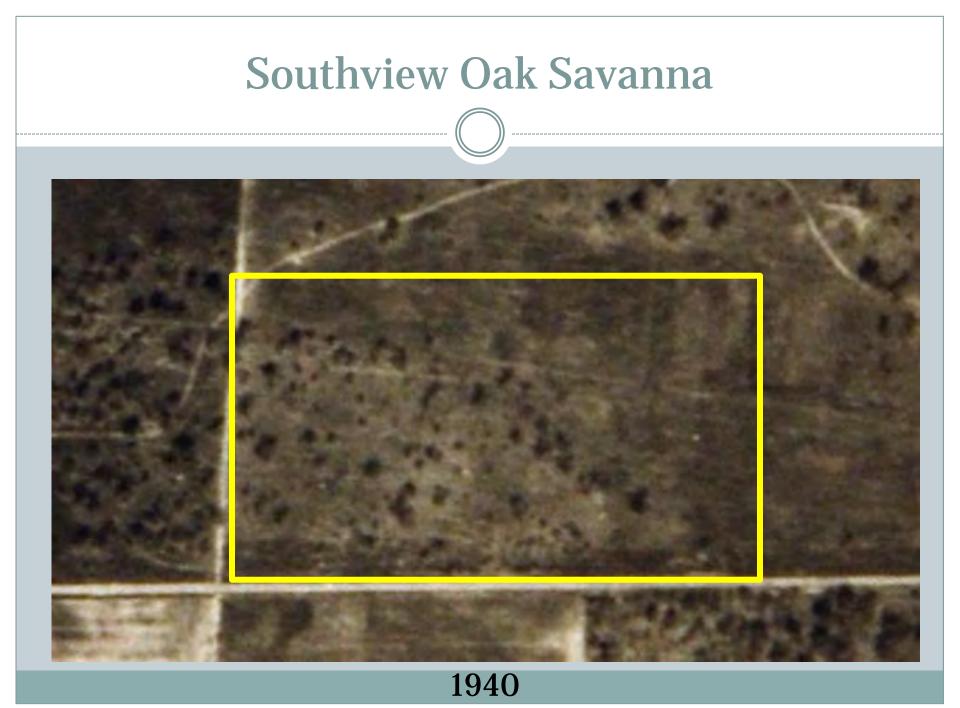


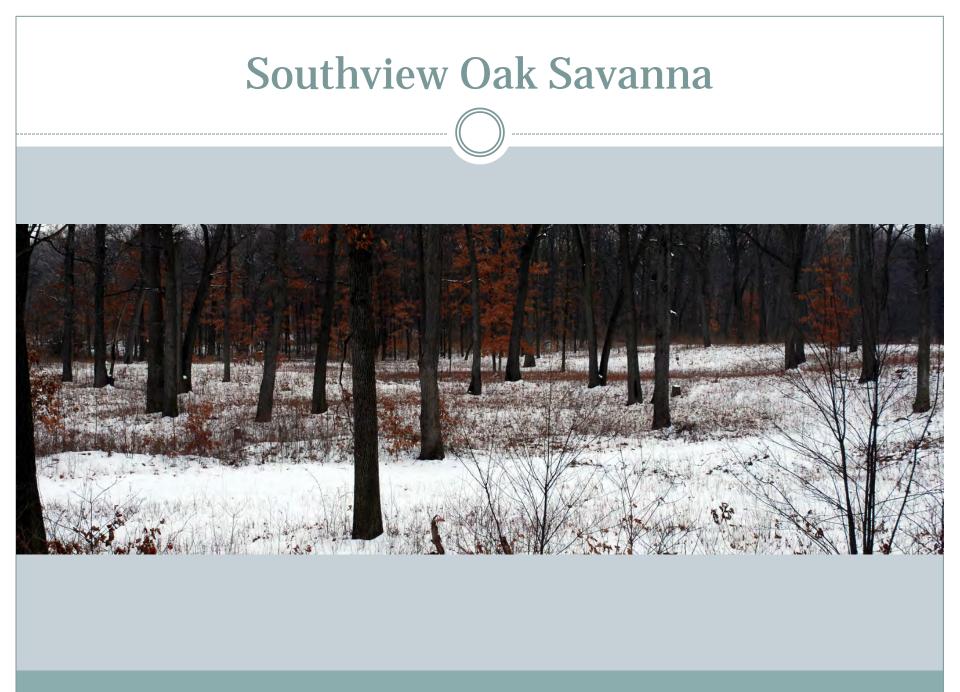
Erika Buri, Interim Director, The Olander Park System



Southview Oak Savanna





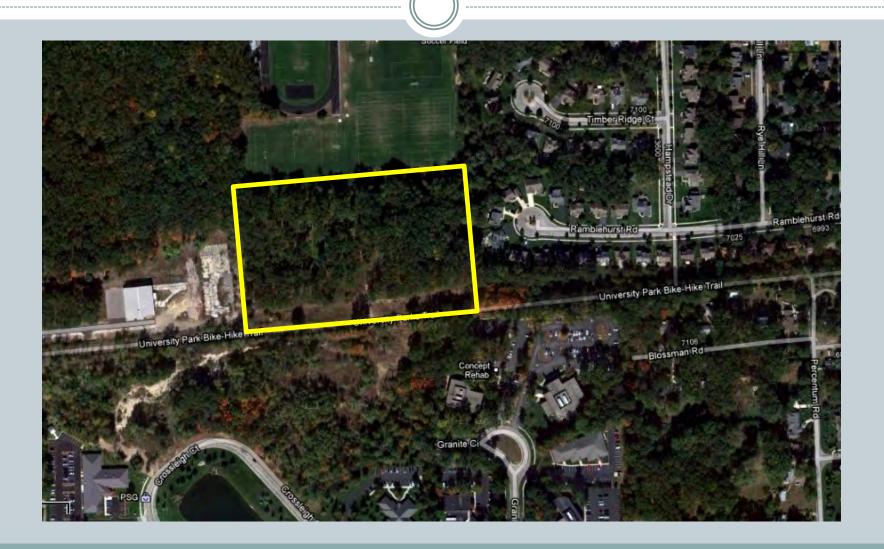


Southview Oak Savanna

State Listed Species on-site 1996

Sweet Fern (<i>Comptonia peregrinia</i>)	Hairy Pinweed (<i>Lechea villosa</i>)
Lyre-leaf Rock-cress (<i>Arabis lyrata</i>)	Sessil Tick-trefoil (<i>Desmodium</i> <i>sessilfolium</i>)
Plains Puccoon (<i>Lithospermum caroliniense</i>)	Sand Dropseed (<i>Sporobolus crypandrus</i>)
Sand Cherry (<i>Prunus pumila var. cuneata</i>)	Blue Lupine (<i>Lupinus perennis</i>)
Porcupine grass (<i>Hesperostipa spartea</i>)	Canada Frostweed (<i>Helianthemum canadense</i>)
	Terry Seidel, TNC

Southview Oak Savanna: Restoration









Mowing

Southview Oak Savanna: Restoration

1999 Aerial

2010 Aerial





Leaf removal to reduce soil nutrients and moisture









Southview Oak Savanna: Monitoring

plants emerged since 2001

Prairie Fern-leaf-False Foxglove (*Aureolaria pendicularia var. ambigens*) E

Missouri Rock Cress (Arabis missouriensis) E

Dwarf Dandelion (Kriga virginica) P

Prairie Thimbleweed (Aneneome cylidrica) T

Racemed Milkwort (Polygala polygama) T

Yellow Wild Indigo (Baptisia tinctoria)

Increased/additional populations of Lupine, Goat's Rue, Prairie Puccoon, Canada Frostweed, Blueberry, Whorled Milkweed



Southview Oak Savanna: Monitoring

Sampling Methods

- o 50 cm Hoops randomly thrown
- o Counted morphospecies
- Counted stems of each morphospecies
- o Counted woody stems
- Pitfall traps for arthropod collection
- Soil samples for microbial communities



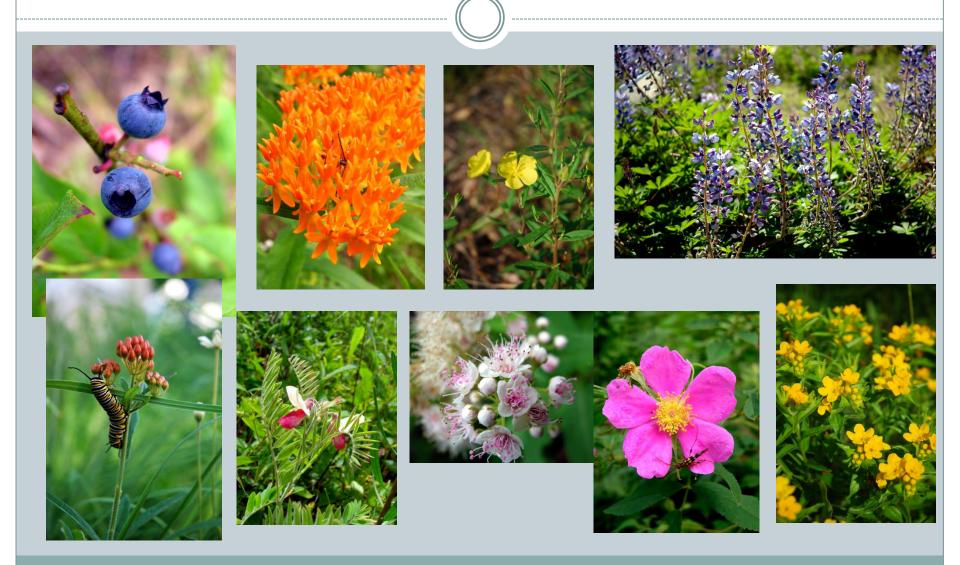




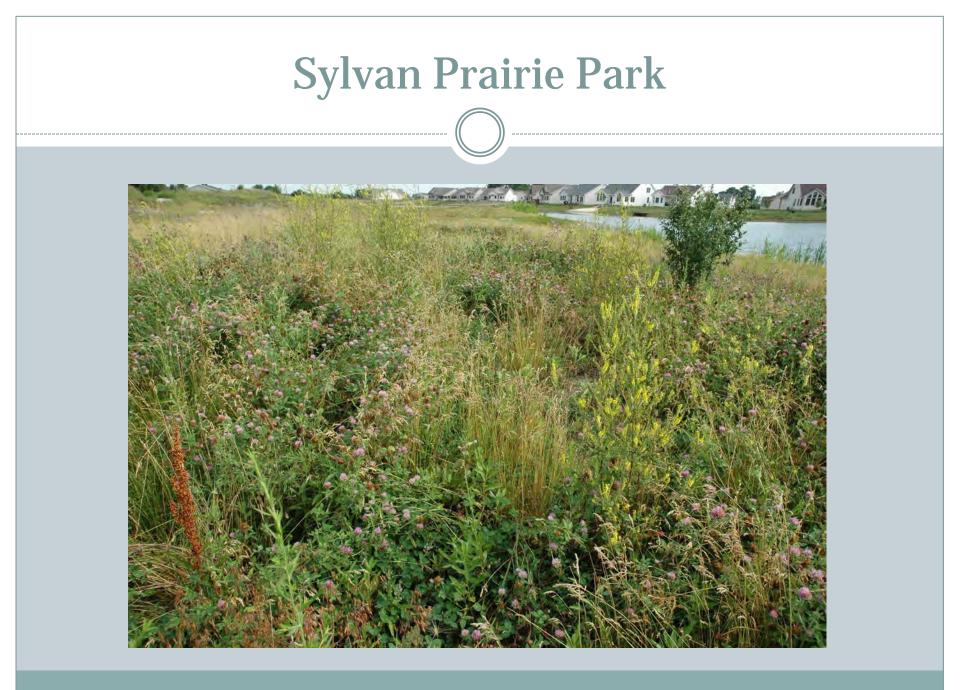
Southview Oak Savanna: Monitoring

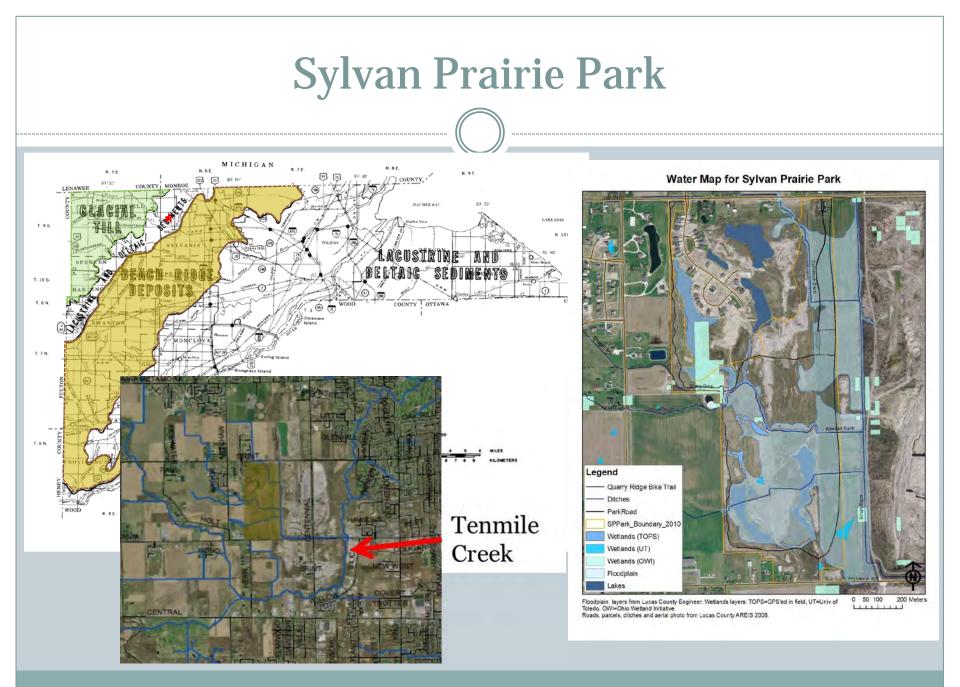
	N	Mean Richness		Mean Stem Density		Mean % Woody	
Mowing & Spraying	12	4.4 ± 1.3	p = 0.34	22.2 ± 15.9	p = 0.27	40.4 ± 26.9	p = 0.14
Mowing, Spraying & Blowing	8	4.6 ± 2.4	p = 0.62	19.3 ± 12.3	p = 0.13	35.1 ± 33.0	p = 0.41
Control	11	5.2 ± 2.3		30.5 ± 18.9		23 ± 27.0	

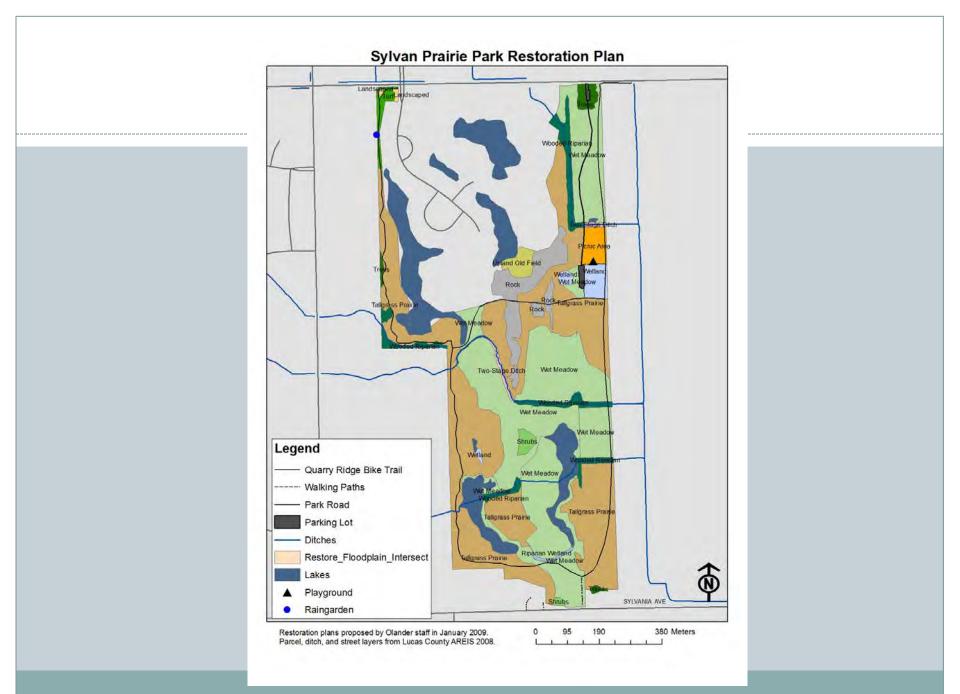
Southview Oak Savanna: 2013



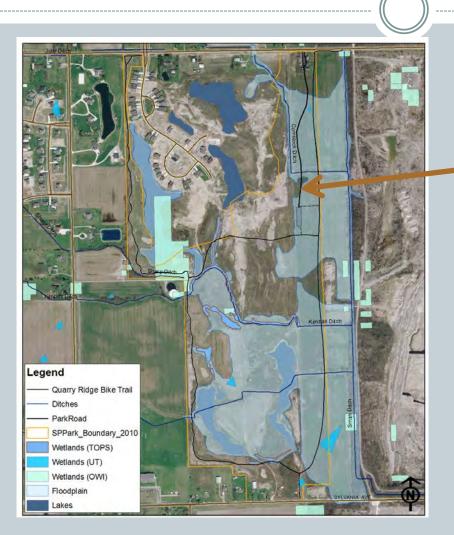








Sylvan Prairie Park: Restoration **Tall Grass Prairie and** Wet Meadow Restoration STA STA Photo: Sherry Plessner



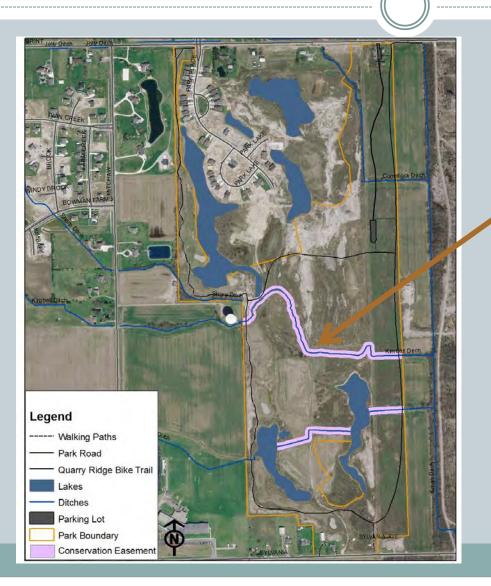
2009 Comstock Ditch—100 feet

Before



One Year Later





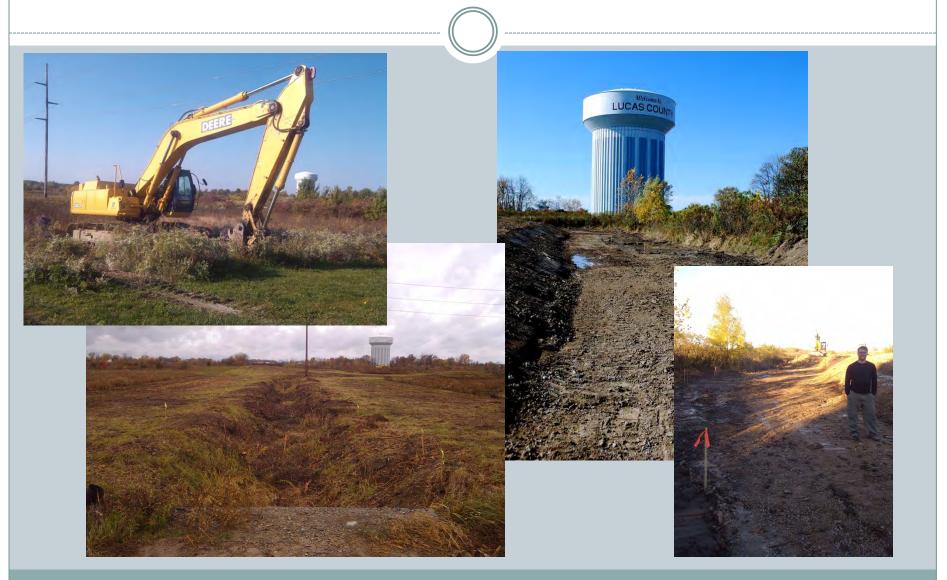
2012 Kimball Ditch--2400 feet



Traditional Trapezoidal Ditch – water not reaching floodplain & moving really fast



OEPA 319(h) Grant funds— Overwide restoration of Kimball Ditch \$170,751 project, \$100,781 funded through grant

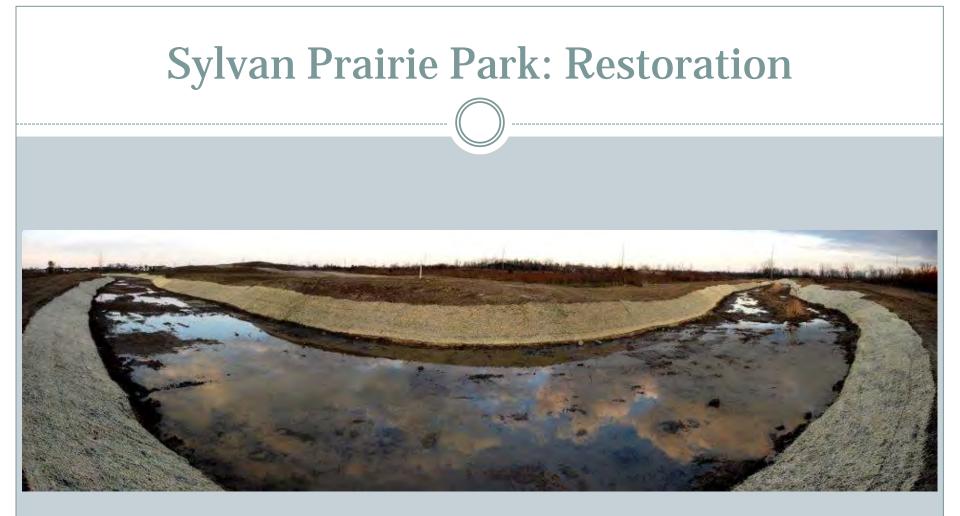


Construction October 2012



Native Plant Seed, Plug and Tree Installation

438 Trees, 3136 plugs, 1000 willow stakes, 441 volunteer hours



November 2012



July 2013

