Meeting of the Planning Commission August 22, 2019

Discussion of Public Comments and Final Draft of:

Lebanon Hills Regional Park Natural Resource Management Plan

August 2019

DRAFT

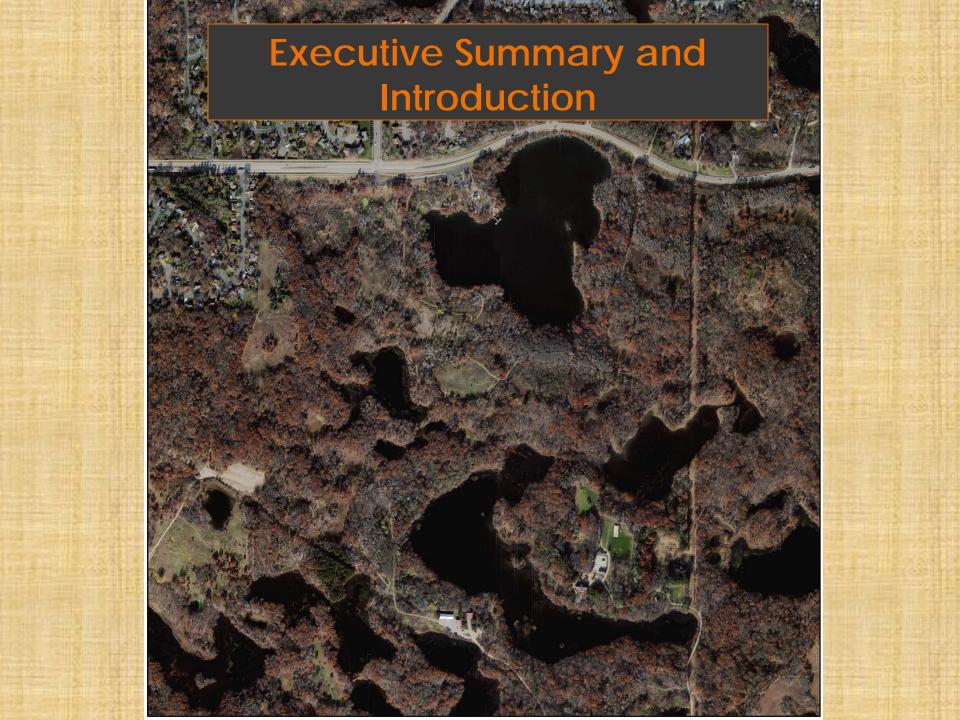


Request of Planning Commission

- Consider the public comments
- Recommend the adoption of the final draft Natural Resource Management Plan for Lebanon Hills Regional Park



- Goals, approaches, implementation strategies and work plans
- Reverse the downward trend in natural resource quality
- Restore natural communities
- Recreational context of the park.





Challenges and Opportunities

Challenges

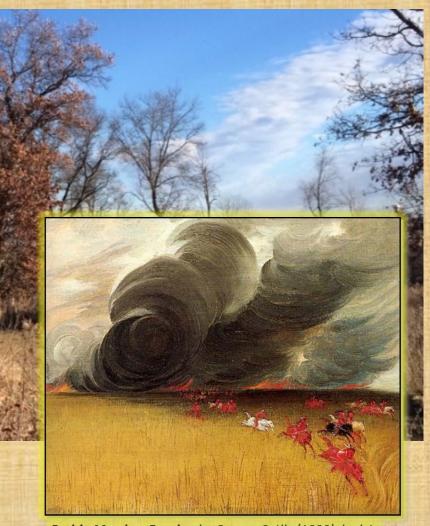
- Altered Natural Systems
- Reduced Ecological Connectivity
- Climate Change
- Pests and Diseases
- Habitat Fragmentation
- Stormwater Management
- Potentially Impactful Recreational Activities
- Invasive Plants and Animals
- Genetic Isolation of Floral and Faunal Populations
- Loss of Species Diversity

Opportunities

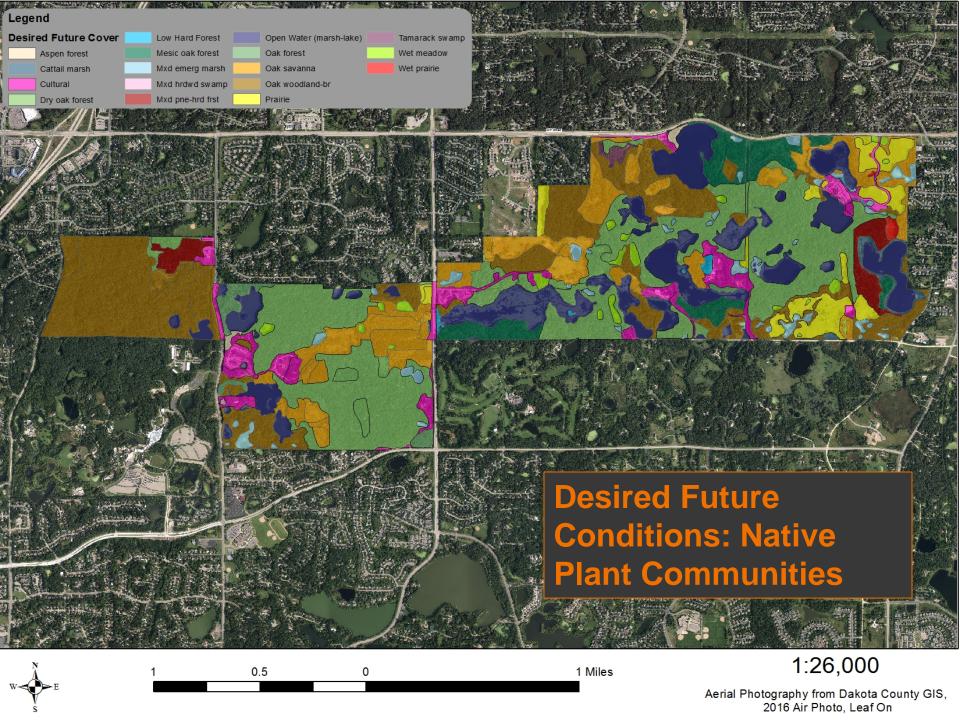
- Core Habitat Area
- Ecological Connectivity
- Remnant Plant Communities
- Diverse Wildlife
- Rare plant and wildlife species
- Reintroduction of Appropriate Species
- Wetlands
- Lakes
- Community Support
- Parks Natural Resources Program
- Public Use and Engagement
- Contemporary Master Plan

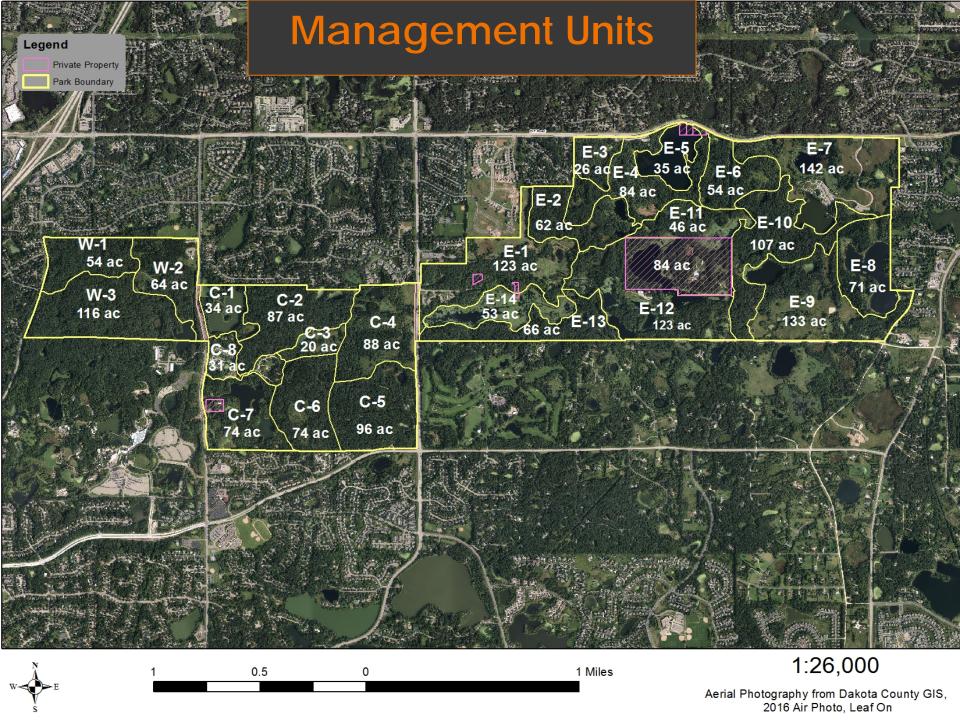
Vision and Goals

- 1. Ecological Services
- Ecosystem Resiliency and Connectivity
- 3. Biodiversity
- Restore and Protect Natural
 Areas and Processes
- 5. Rare and High Priority Features
- 6. Balance with Recreation
- 7. Leverage External Funding

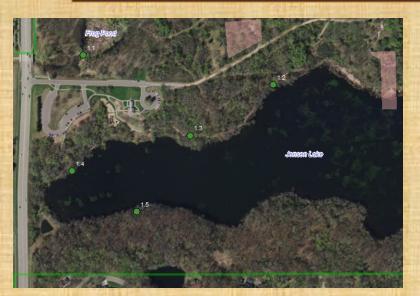


Prairie Meadow Burning by George Catlin (1832) depicts Native Americans burning prairie.





Monitoring and Reporting



- Vegetation
- Wildlife
- Water Resources





NR Conservation, Management Prioritization, and Recommendations

- Remnant prairies/savannas
- Old-growth, oak-dominated woodlands and forests
- Wetlands
- Lakes and stream channels
- Species of greatest conservation need
- Groundwater infiltration or sensitivity areas
- Steep slopes and areas of high relief
- Restored areas
- Connecting areas
- High-use and significant recreation areas







Recreation and Natural Resource Management Recommendations

Bring natural resource focus and perspective to all park use areas

- Capital Improvement Projects
- Use Areas and Cultural Areas
- Education and Outreach areas

Visitor Services staff

Promote and allow the fullest expression of the natural communities within the reasonable constraints of a Regional Park setting.





Deal with potential impacts:

- 1. Avoid
- 2. Minimize
- 3. Mitigate, Restore, Rehabilitate



Vegetation Resources Work Plans

5-Yr Work Plan			(year	rs 1 through 5)				1100			The state
	Previously	Acres To Be								133	
	Restored	Restored	Restore Cost		Enhance Cost		Maintain Cost			Sum Cost	
	Acres	Yrs 1-5									
East Segment, restored	600		\$		\$	HE STATE	\$		240,000	\$	240,000
East Segment		180	\$	900,000	\$		\$		72,000	\$	972,000
Center Segment		100	\$	500,000	\$		\$		40,000	\$	540,000
West Segment		100	\$	500,000	\$		\$		40,000	\$	540,000
Total	600	380	\$	1,900,000	\$		\$		392,000	\$	2,292,000
*Maintainence totals as:	sume that all	restored acre	s are	in maintainence	e aft	er five years.					
*Maintainence totals as	sume that all	restored acre	s are	in maintainence	e aft	er five years.					
*Maintainence totals as: 20-Yr Work Plan	sume that all			in maintainence rs 6 through 20)	e aft	er five years.					
	Previously				e aft	er five years.					
			(уеа		e aft	er five years. Enhance		Main	tain Cost		Sum Cost
	Previously	Acres To Be	(уеа	rs 6 through 20)	e aft			Main	tain Cost		Sum Cost
	Previously Restored	Acres To Be Restored	(уеа	rs 6 through 20)	e aft		\$	Main	tain Cost 2,286,000	\$	
20-Yr Work Plan	Previously Restored Acres	Acres To Be Restored Yrs 6-20	(yea	rs 6 through 20) Restore Cost		Enhance	\$	Main			Sum Cost 3,431,000 2,363,000
20-Yr Work Plan East Segment	Previously Restored Acres 780	Acres To Be Restored Yrs 6-20 189	(year	rs 6 through 20) Restore Cost 945,000	\$	Enhance 200,000		Main	2,286,000	\$	3,431,000

Restore Cost

4,765,000

Enhance

300,000

Maintain Cost

4,154,000

Sum Cost

9,219,000

Remaining

Acres

367

\$

Restored

Acres

1580

Sum Total

Wildlife 5-Yr Work Plan

Manage for the full complement of wildlife requirements in habitat restoration

Include wide spectrum of species, example:

- Grassland birds
- Frogs, toads, and salamanders
- o Small mammals
- Pollinators

Consider individual species, example:

- o Fisher nest boxes
- Blanding's turtles nest protection
- Monarch butterflies habitat improvement

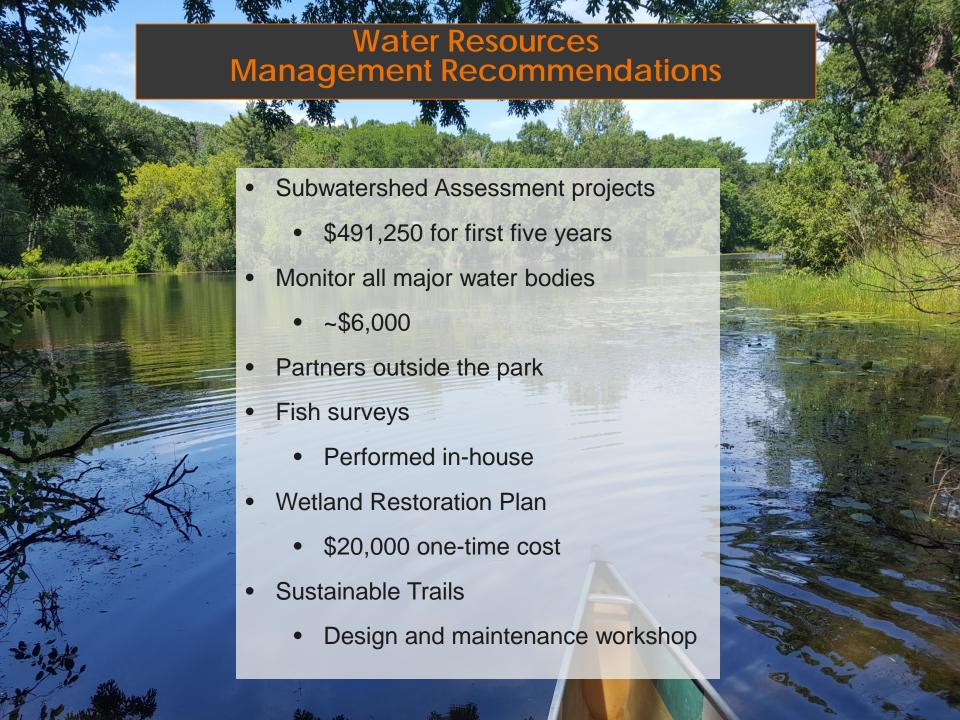
Focus on declining species (Appendix B)

Consider wildlife species reintroductions

Funding

- Seek external funding
- Approximately \$300,000 of County funding designated in NRMSP





References and Appendices

Appendix A. Plant Species Inventory (including invasives) of LHRP

Appendix B. Wildlife Species Inventory (including Invasives) of LHRP: Observations/Indications

Appendix C. Acceptable Source Origin of Native Seed for LHRP

Appendix D. Summary of MnRAM Wetland Function and Value Ratings for LHRP Wetlands

Appendix E. Fish Survey 2018 Results

Appendix F. Herptile Survey Protocol

Appendix G. Pollinator Survey Protocol

Appendix H. Fish Survey Protocol

Appendix I. Public Engagement and Summary of Plan Outreach and Public Comments

Appendix J. Suggested Native Shrubs for Replacing Common Buckthorn

Appendix K. Utilities Map

LHRP NRMP Public Comments

- Public Comment Period: April 24-June 11, 2019
- Comments are listed at the end of Appendix I
- Comments are shown in their entirety
- We received approximately 40 comments

Summary of Public Comments

Main Themes:

- Support
- Trails and Additional Visitor Services Improvements
- Lack of Language Protecting Natural Resources
- Natural Resource Funding
- Natural Resource Management
- General Comments

Draft LHRP NRMP: changes that were made to the document as a result of Public Comments

- Changes are high lead in velow, throughout the document
 - Formatting, grammar, spelling
 - Result of comments
- Executive Summary
 - Page 1 (electronic version, page 12) (County approach to natural resources)
 - 2-3(13-14), (ten main goals of the NRMP)
 - 7(18) (vegetation management cost summary table—correction on acres)
- Introduction
 - 14(25) (add section on "previous master plans for LHRP, 1980, 2001")
 - 16-17(28-29) (note on the term "balance" regarding management approaches in parks)
 - 19-21(30-32) (added section called "The Main Problems Currently Facing the Park")

Draft LHRP NRMP: changes that were made to the document as a result of Public Comments

- Natural Resources Conservation, Management Prioritization, and Recommendations
 - 209(220) (prioritization)
 - Section 8.2.1.9 High Use and Significant Recreational Areas
 - 221, 222(233,234) (Proposed Capital Improvement Projects)
 - 224(235) (Effects of Trails)
- Work Plans
 - Vegetation Work Plan
 - 238(249)
- Appendix I. Public Engagement and Summary of Plan Outreach and Public Comments
 - Added: Section 10.9.1 Comments that Resulted from the 45-day Public Comment Period (April-June, 2019)
 - Appendix I page 19-38(373-393)

Request of Commission

Recommend to the County Board to adopt the Natural Resource Management Plan for Lebanon Hills Regional Park

Questions?