

**KENDALL COUNTY FOREST PRESERVE DISTRICT
PLANNING AND ADVISORY COMMITTEE
AGENDA**

**WEDNESDAY, FEBRUARY 26, 2020
6:00 P.M.**

**KENDALL COUNTY HISTORIC COURTHOUSE
3RD FLOOR MEETING ROOM**

- I. Call to Order
- II. Roll Call
- III. Approval of Agenda
- IV. Update on Completion of Open Meetings Act Online Training
- V. Public Comments
- VI. Review of Preliminary Recommendations for Land Conservation Strategies – Short Term and Long-Range Goals
- VII. Review and Discussion of the Updated Master Plan Land Acquisition Scoring Worksheet
- VIII. Presentation: Overview of District High-Quality and Conservative Natural Resources

OLD BUSINESS

No items posted for consideration

NEW BUSINESS

- IX. Natural Resources Conservation - Discussion of Preliminary Recommendations
- X. Other Items of Business
- XI. Public Comments
- XII. Adjournment

Members of the Planning and Advisory Committee:

February, 26, 2020

Over the last 20 years I have had the privilege of being able to survey a number of the Forest Preserves in the Kendall County Forest Preserve District for their floristic components.

During this time I have seen some wonderful examples of natural areas throughout the Kendall County Forest Preserve District and have documented some rare plant species over the years.

Maramech Woods Nature Preserve – I surveyed this preserve in both 2001 and 2016 that contained both state threatened and endangered species as well as rare habitats in Kendall County and the Chicago Region such as flatwoods communities. This preserve also contains dry-mesic and mesic woodlands as well as an established prairie restoration.

Harris Forest Preserve - I surveyed this preserve in 2000 and in addition to picnic and event areas, lakes/ponds and small wetlands there was a large area of quality mesic woodland.

Baker's Woods – I surveyed this preserve in 1999 when the acreage of the preserve was smaller than it is today. The area I surveyed contained some fine floodplain areas along Aux Sable Creek as well as some mesic woodland.

Jay Woods – I surveyed this preserve in 2001 and at the time only included the woodland area east of Creek Road. At the time this preserve contained some fine mesic woodland on the bluffs along Little Rock Creek and interesting flora along the swales and floodplain of the creek.

Hoover Forest Preserve – I surveyed this preserve in 2004 and it was a very diverse area both topographically and floristically with bluffs overlooking the Fox River, large areas of mesic upland forest, fens and seep along the slopes, ravines and intermittent streams, floodplain areas adjacent to the Fox River and wetland communities in addition to the campsites and developed areas.

Cannonball Sedge Meadow (Blackberry Trail Forest Preserve) – I surveyed this area in 2002 and at the time it contained some quality sedge meadow as well as some floodplain forest along Blackberry Creek.

Henneberry Woods Forest Preserve – This newer acquisition was surveyed in 2018 and in addition to the newly planted prairie restorations and agricultural fields, contained grassy meadows (excellent grassland bird habitat), shrubby fields, immature woodlands, wetland areas and some small areas of quality mesic woodland.

Reservation Woods – this area was also surveyed in 2018 and contains some good mesic woodland.

Overall, the Kendall County Forest Preserve District has some very fine examples of remnant plant communities that exist and represent the natural history of the county. These areas need not only to be protected but also managed so as to maintain their quality for the plants and wildlife that inhabit these preserves and the citizens of the county that enjoy them.

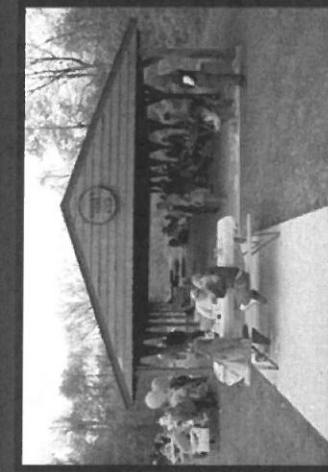
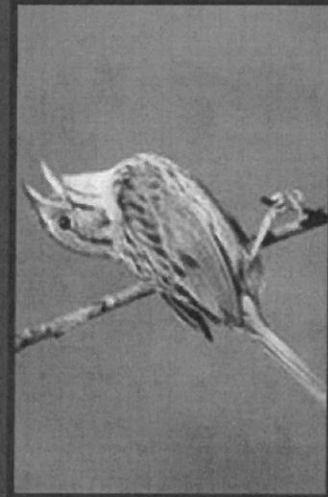
Respectfully,

Scott N. Kobal

Ecologist – Forest Preserve District of DuPage County



Planning and Advisory Committee – Meeting #2 Land Conservation Program Recommendations & Protection and Improvement of Wildlife Habitat and Critical Natural Areas





Jay Woods F.P.

Little Rock

Little Rock Creek F.P.

Maramech F.P.

Silver Springs
River Road F.P. (Local Region)

Hoover F.P.

Richard Young F.P.

Ly In F.P.

SILVER SPRINGS

Mimbres North F.P.

Shuh Shuh Gah Canoe Launch

Millbrook South F.P.

Foxback Sugarbush F.P.

Millington Fen F.P.

Millington F.P.

Newark F.P.



Bristol

Blackberry Creek F.P.

Blackberry Creek South F.P.

Fox River Islands

Ly In F.P.

Richard Young F.P.

Hoover F.P.

Federal Point F.P.

Plumberry F.P.

Hains F.P.



Oswego

Na-au-Say

Baker Woods F.P.

Seward



Kendall

Federal Point F.P.

Plumberry F.P.

Hains F.P.



Lisbon

Big Grove

JAY WOODS

LITTLE ROCK CREEK

Little Rock

MARAMECH*

SUBAT – RIVER ROAD

BLACKBERRY CREEK / SOUTH
CANNONBALL SEDGE MEADOW

Bristol

SCHESSLER'S FEN

FOX RIVER ISLANDS

Oswego

LYON-RICHARD YOUNG

FOX RIVER BLUFFS & ISLAND
HOLLENBECK SUGAR BUSH
MILLBROOK N. & S.

Fox

HARRIS
HOOVER

HENNEBERRY

Kendall

Na-au-Say

MILLINGTON
SHUH-SHUH-GAH
TUCKER-MILLINGTON FEN*

LYON –RICHARD YOUNG
PICKERILL –PIGOTT
RESERVATION WOODS

NEWARK

Big Grove

Lisbon

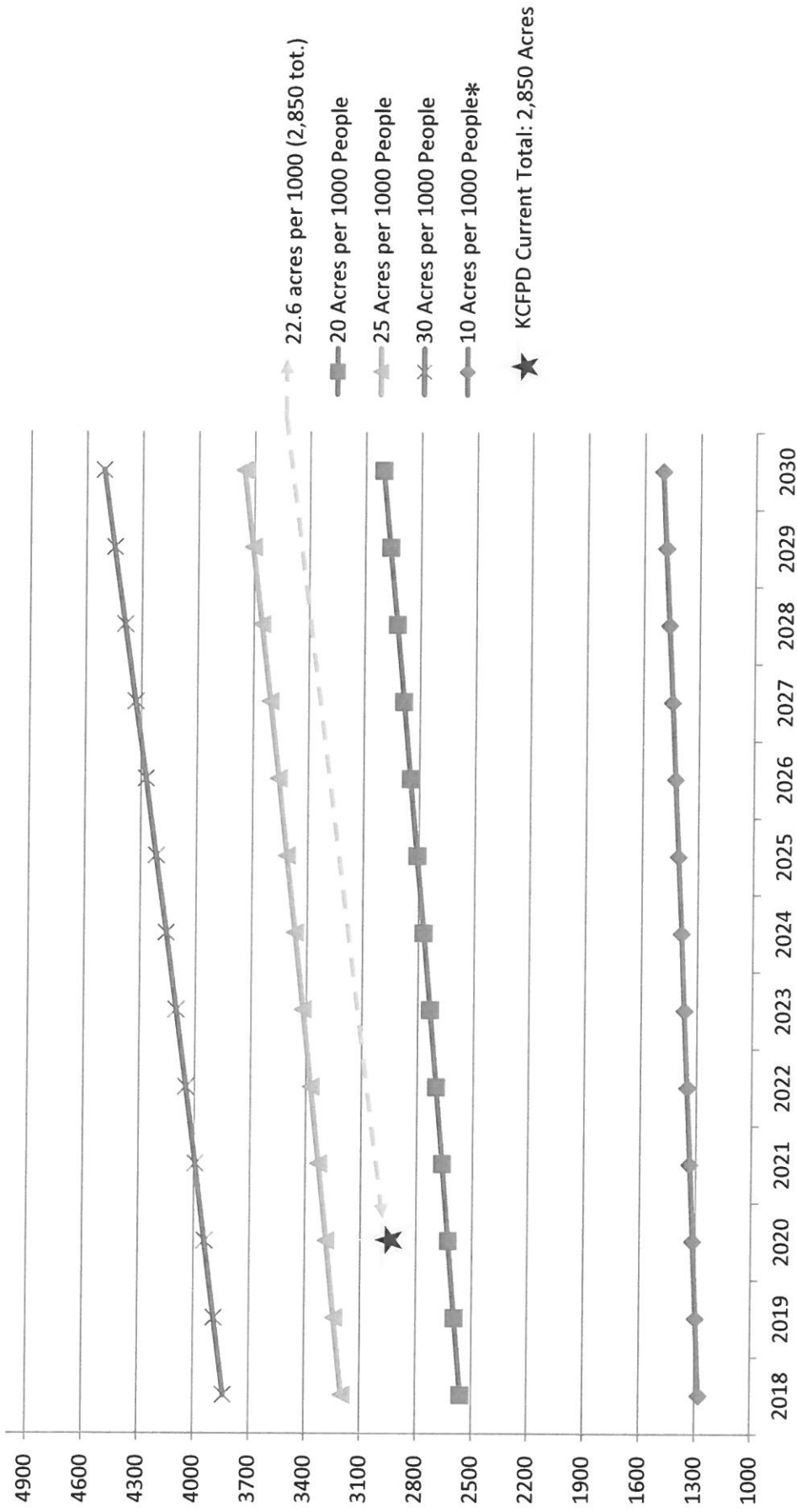
AUX SABLE SPRINGS

Seward

BAKER WOODS

PRESERVE AREAS BY TOWNSHIP

Preserve Acreage Proportional to Population Increase



Kendall County - 22.6 acres per 1,000 population

Kane County - 39.4 acres per 1,000 population

DuPage County - 27.9 acres per 1,000 population

CMAP benchmark minimum - 10-acres per 1,000 population (NRPA)

Cropland Conversion Total Acres Required 125-acres / Contributes \$26,000 in Operating Fund Revenues

CROPLAND CONVERSION PROGRAM COSTS		
Acres in Farm Production:	571	Acres Remaining Following FRB Conversion
Current Farm License Operating Revenue:	\$123,019	
Cropland Conversion Costs: \$4,000 per acre (contracted)	571 acres * 4,000 per acre	Contracted cost (Cost reduction: Grants/In-House Proj.)
Total costs for conversion @ \$4,000 per acre: \$2,284,000		
GRANT-FUNDED PUBLIC ACCESS AND CAPITAL PROJECT COMMITMENTS		
Grant-Funded Preserve Public Access Obligations (Cropland Conversion Acres):		
Millbrook South (118.5)	118.5 acres * 4,000 per acre	
Cropland Conversion Costs:	\$474,000	
Public Access Improvements:	\$220,000	Trail construction (80/20 RTP Grant or 50/50 OSLAD Grant)
Total: \$694,000		
Henneberry Forest Preserve Vehicular Access Cost - Cherry Lane Extension:		
Henneberry (51.5)	51.5 acres * 4,000 per acre	
Cherry Road Extension	\$1,000,000	(\$750,000 Eng. Est. + Detention + Parking)
Cropland Conversion Costs	\$206,000	
Public Access Improvements:	\$220,000	Trail construction (80/20 RTP or 50/50 OSLAD Grant)
Total: \$1,426,000		
Pickerill Estate House:	\$1,155,235	(\$828,296 PARC Grant - Est. does not include second floor elevator access)
Total for MS; Henneberry; P&P \$3,275,235		

Per Grant Agreement Requirements, Cropland Conversion and Public Access Projects are to be Completed Within 3-years of Acquisition

Millbrook South

Acquired 2007

118.58 acres in production – cropland conversion not completed

ADA public access parking and trail improvements needed

Challenge: Illinois Railway crossing or access agreement and/or ADA rail crossing improvements needed

Henneberry

Acquired 2010

Cropland conversion, within the acquisition footprint, completed – 55.25 acres remaining in production

ADA Public access parking and trail improvements needed

Challenges: No viable preserve access from adjoining properties

“Land-locked”; engineer’s estimate for Cherry Road completion - \$1M

Fox River Bluffs

Acquired 2015

Cropland conversion underway

ADA Public access planned (2018 RTP Grant – Parking & Trail Loop)

Little Rock Creek

Acquired 2018

ADA Public access completed (parking area only) – ADA trail improvements needed
Cropland Conversion (6-acres) in fall 2021

<u>Recommendations</u> <u>(Preliminary)</u>	<u>Affordable and Within</u> <u>Current Limits</u>	<u>Additional Resources</u> <u>Required</u>	<u>Long-term Vision</u>
<p>1. Work to Establish a Capital Fund to Provide the Matching Funds Necessary for Future Grant-funded Acquisitions and Preserve Public Access Projects.</p>	<p>Land-Cash Fund Growth Donations of Property 50% Grant Matching Support from FFKC/TCF</p>	<p>Limited-Tax Bonds or Referendum \$750,000 every 5-years to Maintain Current Acres per 1,000 Population Ratio</p>	<p>Expanded Conservation Lands along the Fox River and Fox River Tributaries High-Quality Oak-Ecosystem Corridors and Aux Sable Creek Corridor Expanded Open Space and Outdoor Recreation Opportunities Near Population Centers</p>
<p>2. Identify and Map Locations of the Remaining Highest-Quality Natural Areas in Kendall County Based on Expanded NR Partner Data and/or Initial Floristic Quality Assessments (Where Feasible with Landowner Access Permissions).</p>	<p>Reach Out to IDNR; Revisit KNAG List; Conservation Research Institute at The Morton Arboretum Repeat or Complete Initial FQI's for Hoover; Fox River Bluffs; Little Rock Creek; Lyon-Richard Young; Millbrook North, and Millbrook South</p>	<p>Repeat FQI to Document Natural Area Management Outcomes. Increase ID & Monitoring of Plants of Concern Address Oak Decline and Promote Regeneration through Invasive Clearing Projects</p>	<p>T&E Species Recovery Retain High-Quality Plant Communities and Wildlife Populations Expand Preserve Holdings along Priority Corridor Areas Increase High Quality Preserve Buffer Areas and Management</p>
<p>3. Leverage Capital Project Funding Available in the District's Endowment Fund for Subat Forest Preserve to Complete a 'Nature Center' Facility.</p>	<p>Professional Services Contract for Architectural and Landscape and Cost Estimating</p>	<p>Leverage Endowment Funds to Secure Additional Capital Funds for Completion Based on Cost - TBD</p>	<p>Establish a Multi-use Facility for Educational Programs and Public-Private Events</p>

Land Acquisition Scoring Worksheet – Draft Revision

APPENDIX 3: LAND ACQUISITION WORKSHEET

Land Acquisition Worksheet

Decisions made regarding land acquisition are the responsibility of the Board of Commissioners of the Kendall County Forest Preserve District. This worksheet is meant to assist the board, along with staff recommendations and resident input, in the land acquisition process. Other factors including, but not limited to: price, threats to the property, needs of the District, and grant requirements will also be considered by the Commissioners when making land acquisition decisions.

This worksheet is numerically based, with a high score indicating a property with high value as preserved open space. For each quality that a parcel possesses, it receives the corresponding score. The total score can then be compared with scores of other parcels in order to evaluate the properties as potential forest preserves.

Preserving Natural Features:

High Quality Natural Area (prairie, wetland, woodland, stream)	12
Fox Riverfront Property	12
Linkage between Protected Open Spaces	8
Streams / Lakes / Ponds	8
Expansion of Current Forest Preserve	4
Presence of Endangered or Threatened Species	4
Significant Geologic Features	4
100-acres or larger	4
Subtotal	56

Recreation and Education Potential:

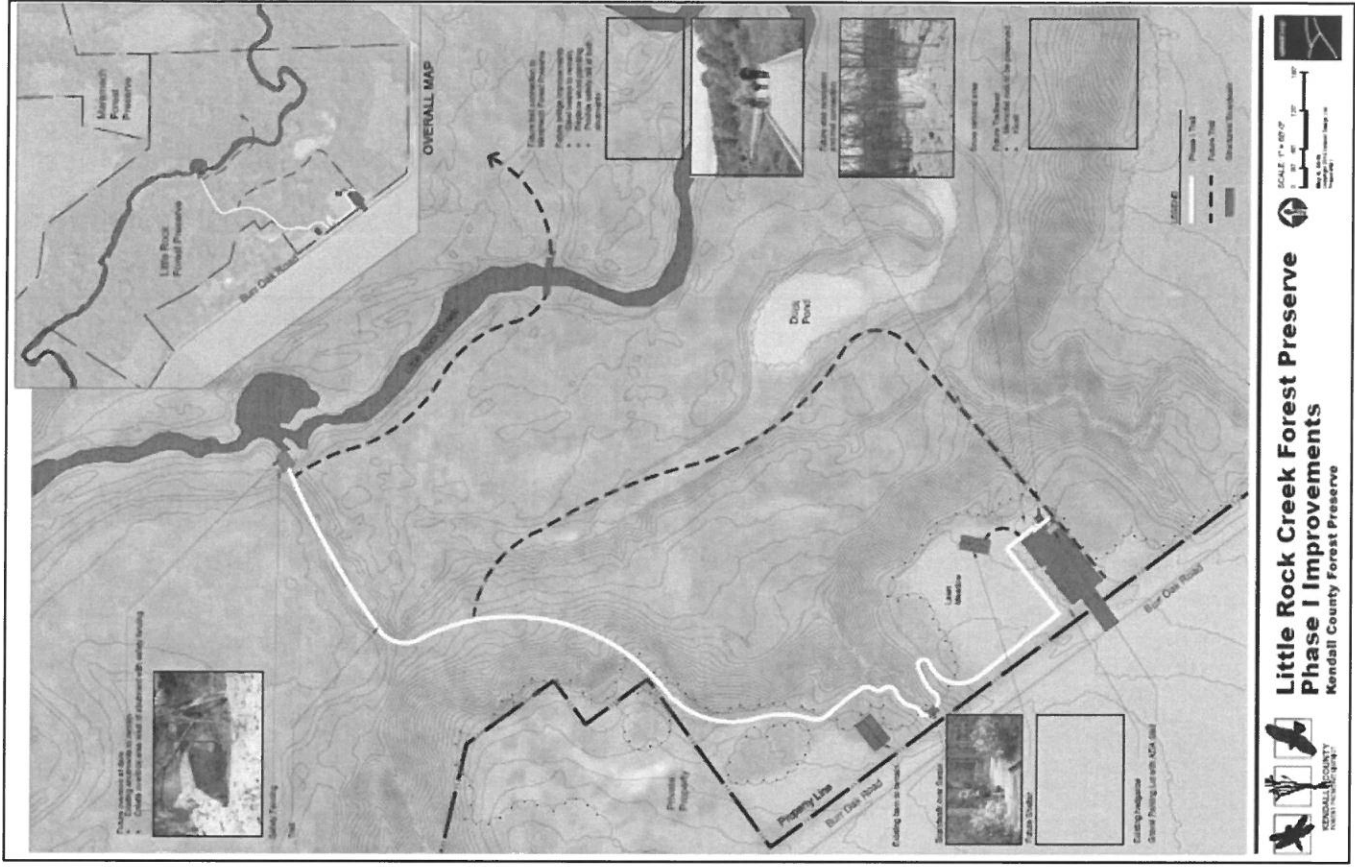
Multi-purpose Trails	12
Proximity to Population Centers	8
Preserve Access/Parking	3
Picnic Areas/High Use Areas	3
Nature Trails	3
Water/Fishing/Canoe Access	3
Subtotal	32

Complements Existing Plans:

Kendall Natural Area Guardians - Protect Kendall Now	8
Kendall County Land Resource Management Plan; Watershed Plan; Municipal/Park District Plan, or Trail Plan	4
Subtotal	12

Deduct Considerations:

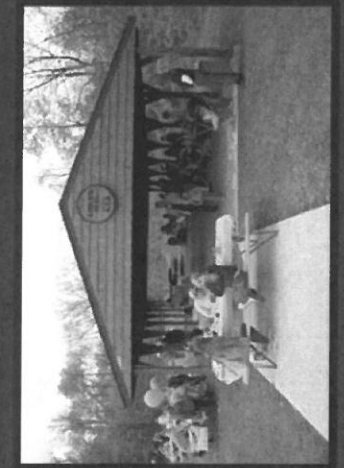
Land-locked Parcel with Public Access Limitations	(10)
Total Weighted Score (Max. 100)	100

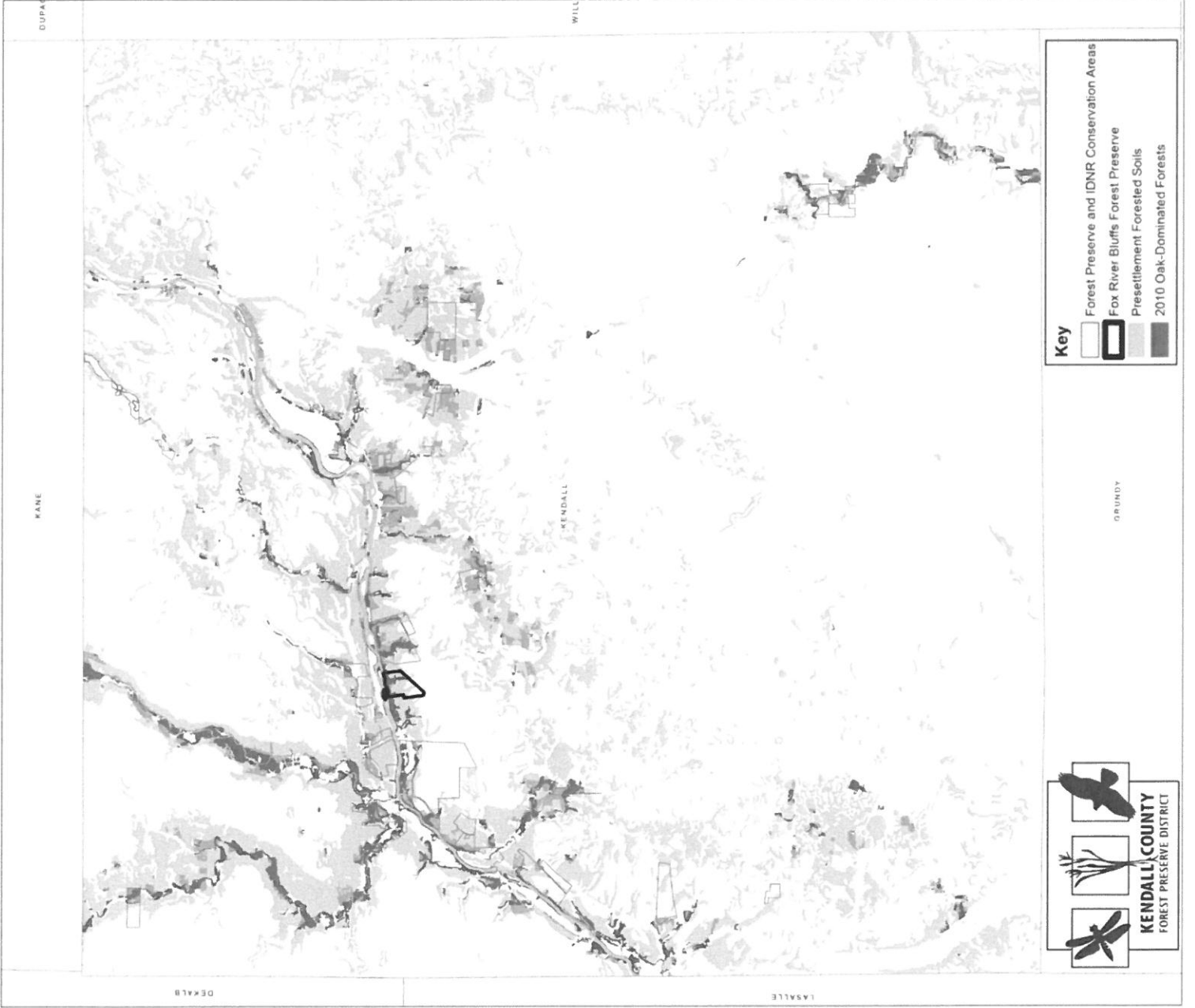




Planning and Advisory Committee – Meeting #2

Overview of High-Quality and Conservative Natural Resources





Key

- Forest Preserve and IDNR Conservation Areas
- Fox River Bluffs Forest Preserve
- Presettlement Forested Soils
- 2010 Oak-Dominated Forests

Forest Preserve Study Areas

KENDALL COUNTY

- 2016 -

<http://www.co.kendall.il.us>

Townships			
LITTLE ROCK	OSWEGO	FOX	KENDALL
BRISTOL	OSWEGO	NA-AU-SAY	SEWARD
		BIG GROVE	LISBON

1 in = 1 Mile



Legend

- ADJACENT COUNTY
- COUNTY
- INTERSTATE
- STATE
- FEDERAL
- ILLINOIS
- GRANEL
- DIRT
- LOCAL
- RAILROAD
- SECTIONS
- POLITICAL TOWNSHIPS
- COUNTY FOREST PRESERVE
- STATE PARK

Study Area Class

- I
- II
- III
- IV

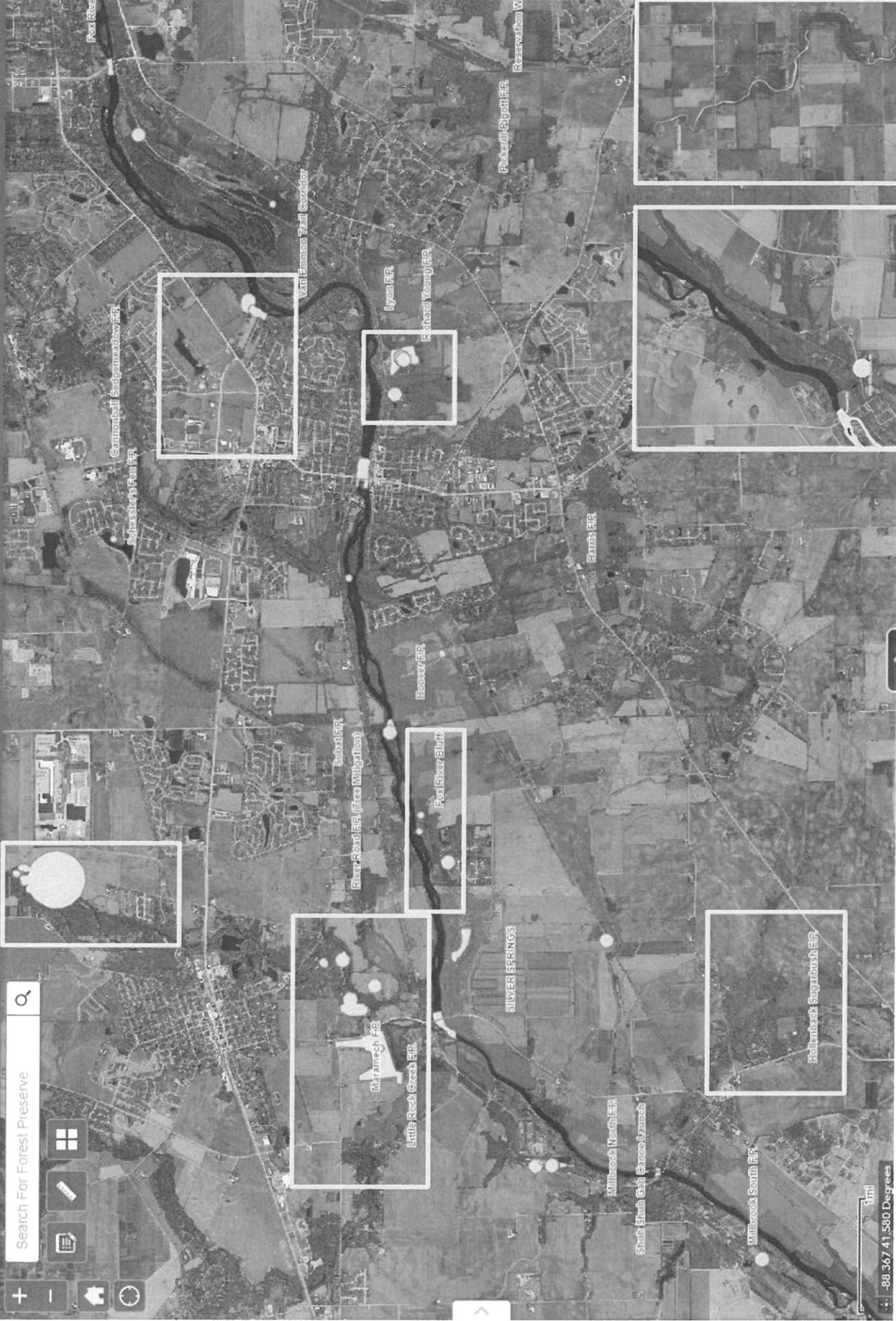
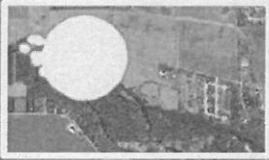


Kendall County GIS
111 West Fox Street - Room 508
Yorkville, Illinois 60550-1498
618.533.0830



Forest Preserve Habitat Editor

Search For Forest Preserve



1mi
-88.36741, 580 Degrees

Preserve	FQI Dates	FQI Score	Preserve Class	T&E	PoC's	INAI	Notes
Jay Woods	2001	57.82	III				
Little Rock Creek					X	X	FQI Needed
Maramech	1985/2001/2016	77.2	IV	Early Dark Green Bulrush	X	X	
Subat	1999	57	III	Slippershell		X	Eldamain-Schaeffer Road Fen
River Road							
Fox River Bluffs & Island							
Hollenbeck Sugar Bush					TBD		FQI Needed
Millbrook North					X		FQI Needed
Millbrook South	2006	44.32	III		X		FQI Needed
Millington							
Shuh-Shuh-Gah							
Tucker-Millington Fen	1988/1991/1999	66.04	IV		X	X	
Newark							
Blackberry Trails - South							
Cannonball Sedge Meadow	2002	45.75	III				
Schessler's Fen	1995	30.69	II				
Hoover	2004	76.43	IV	Rusty Patched Bumble Bee	X		
Harris	2000	56.31	III		X		
Lyon-Richard Young	1991	109.62	IV		X		
Pickerrill-Pigott							FQI Needed
Reservation Woods	1991/2018	53.6/46.8	IV		X		
Fox River Islands							
Henneberry	2018	45	III		X		
Aux Sable Springs							
Baker Woods	1999	53.08	III				

Sites with FQI Scores Greater than 50 are of Paramount Importance Representing less than 0.5% of the Land Area in the Chicago Area

Floristic Quality Assessments and Overview of Plants of Concern in Kendall County



Maramech Woods – Photo by Cassi Saari

Plants of Concern

- “Plants of Concern is a collaboration between citizen scientists, natural resource managers and researchers to collect data on rare plant populations in the Chicago region. Our goal is to uncover the best conservation practices to protect these rare species, while creating awareness and providing education about why their conservation matters.”
- “Plants of Concern (POC) volunteers help monitor the rarest native plants in the Midwest, including wildflowers, grasses, trees, and ferns —species that are in danger of disappearing from the landscape forever. Teams of community scientists visit hundreds of populations each year, counting plants, measuring population sizes, and evaluating threats.”

Plants of Concern in Kendall County

— Documented Occurrences

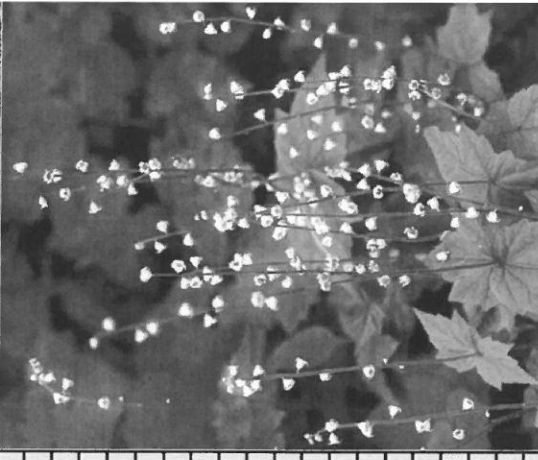
Kendall County Properties

- 18 at Lyon – Richard Young
- 14 at Maramech
- 15 at Reservation Woods
- 7 at Hoover
- 4 at Tucker-Millington Fen
- 2 at Millbrook South
- 2 at Baker Woods
- 2 at Jay Woods*
- 2 at Harris
- 1 at Millbrook North
- 1 at Little Rock Creek

Misc. Collection Sites

- 12 at Yorkville Seep
- 11 at Silver Springs State Park
- 7 at Emmons Property
- 6 at Millhurst Fen
- 4 at Millington Fen
- 3 at Burlington Northern Prairie
- 3 at Dickson Valley Sedge
- 2 at Millbrook Fens
- 1 at Yorkville Prairie

* New found data to confirm 2 species



Kendall County Forest Preserve District		FQJ Inventory Location ID: (Author): Study Year		Total Flora of Kendall County (Swink/Wilhelm) 1998			
Adiantum pedatum	ADIPED	native	10	1	perennial	Maidenhair fern	X
Aralia racemosa	ARARAC	native	10	5	perennial	Spikenard	X
Aristolochia serpentaria	ARISER	native	10	5	perennial	Virginia snakeroot	X
Asclepias amplexicaulis	ASCAMP	native	7	5	perennial	Sand milkweed	X
Asclepias exaltata	ASCEXA	native	9	5	perennial	Poke milkweed	X
Asclepias ovalifolia	ASCOVA	native	10	5	perennial	Oval milkweed	X
Asclepias viridiflora	ASCVIR	native	10	5	perennial	Short green milkweed	X
Aster furcatus	ASTFUR	native	10	0	perennial	Forked aster	X
Baptisia leucophaea	BAPLEO	native	10	5	perennial	Cream wild indigo	X
Carex bromoides	CXBROM	native	10	-5	sedge	Brome hummock sedge	X
Carex frankii	CXFRAN	native	8	-5	sedge	Bristly cattail sedge	X
Carex leptalea	CXLEPA	native	10	-5	sedge	Slender sedge	X
Cassia hebecarpa	CASHEB	native	9	-3	forb	Wild senna	X
Cimicifuga racemosa	CIMRAC	native	10	5	perennial	False bugbane	X
Collinsia verna	COLVER	native	10	3	annual	Blue-eyed mary	X
Conopholis americana	CONAME	native	10	5	perennial	Cancer root	X
Cypripedium reginae	CYPREG	native	10	-4	perennial	Showy lady's slipper	X
Eleocharis rostellata	ELEROS	native	10	-5	sedge	Wicket spike rush	X
Eriogonum pulchellum	ERIPUL	native	10	3	perennial	Robins plantain	X
Gentiana puberulenta	GENPUB	native	10	5	perennial	Prairie gentian	X
Habenaria hyperborea huronensis	HABHYH	native	10	-4	perennial	Northern bog orchid	X
Hydrastis canadensis	HYDCAS	native	8	5	perennial	Golden seal	X
Jeffersonia diphylla	JEFDIP	native	10	5	perennial	Twinleaf	X
Juglans cinerea	JUGCIN	native	8	2	tree	Butternut	X
Mitella diphylla	MITDIP	native	10	2	perennial	Bishops cap	X
Monotropa uniflora	MONUNI	native	10	3	perennial	Indian pipe	X
Orchis spectabilis	ORCSPE	native	10	5	perennial	Showy orchis	X
Orobanchae uniflora	OROUNI	native	10	5	perennial	One-flowered broom rape	X
Panax quinquefolius	PANQUI	native	9	5	perennial	Ginseng	X
Petalostemum foliosum	PETFOL	native	10	5	perennial	Leafy prairie dower	X
Pinus banksiana	PINBAN	native	9	3	tree	Jack pine	X
Plantago cordata	PLACOR	native	10	-5	perennial	Heart-leaved plantain	X
Poa sylvestris	POASYL	native	10	0	grass	Woodland blue grass	X
Prenanthes aspera	PRASP	native	8	5	perennial	Rough white lettuce	X
Saxifraga pennsylvanica	SAXPEN	native	10	-3	perennial	Swamp saxifrage	X
Scutellaria ovata versicolor	SCUOVV	native	10	3	perennial	Heart-leaved skullcap	X
Silene virginica	SILVIR	native	10	5	perennial	Fire pink	X
Spiranthes ovalis	SPIOVA	native	10	0	perennial	Oval ladies tresses	X
Triglochin palustris	TRIPAL	native	10	-5	perennial	Slender bog arrow grass	X
Trillium sessile	TRISES	native	10	4	perennial	Toad trillium	X
Ulmus thomasii	ULMTHO	native	10	-1	tree	Rock elm	X
Veronica americana	VERAME	native	10	-5	perennial	American brooklime	X
Veronica comosa	VERCOM	native	10	-5	perennial	Water speedwell	X
Viola pedatifida	VIOPEF	native	9	4	perennial	Prairie violet	X
Zizania aquatica	ZIZAQU	native	10	-5	grass	Wild rice	X

Kane-Kendall Oak-Ecosystem Recovery Group

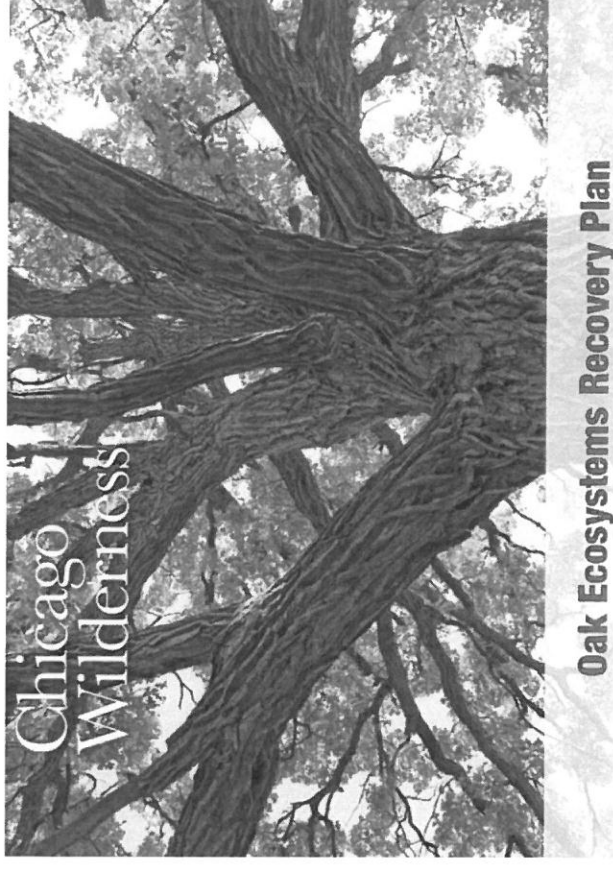
CW Biodiversity Recovery Plan Chicago Regional Trees Initiative (CRTI) - 2017

Working Initiatives

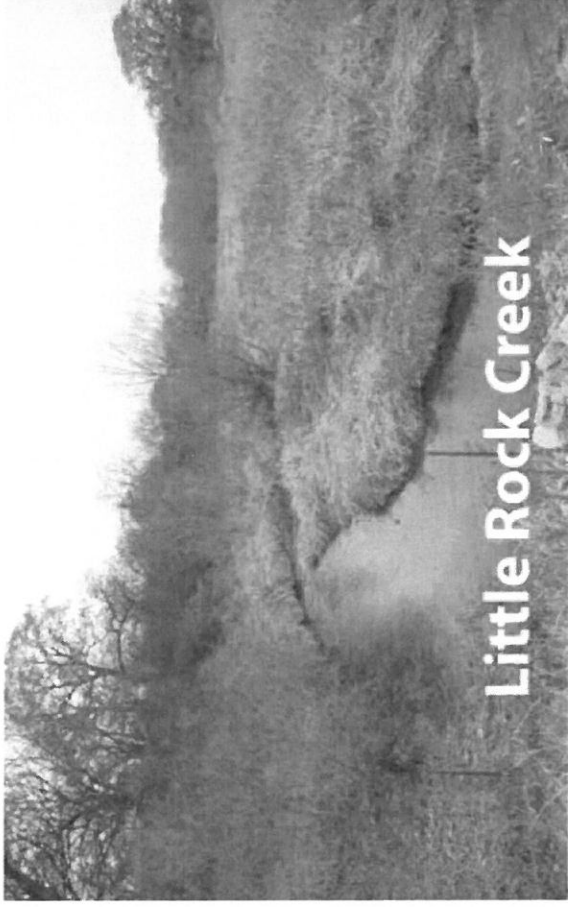
- Restoration, Oak Regeneration, and Recovery
- Best Management Practices: Oak Ecosystem Corridors & Connectivity
- Oak Ecosystems Land Managers and Scientists Biennial
- Private Landowner Outreach
- “Oaktober – Oak Awareness Month”
- Witness Trees of Illinois

Partners

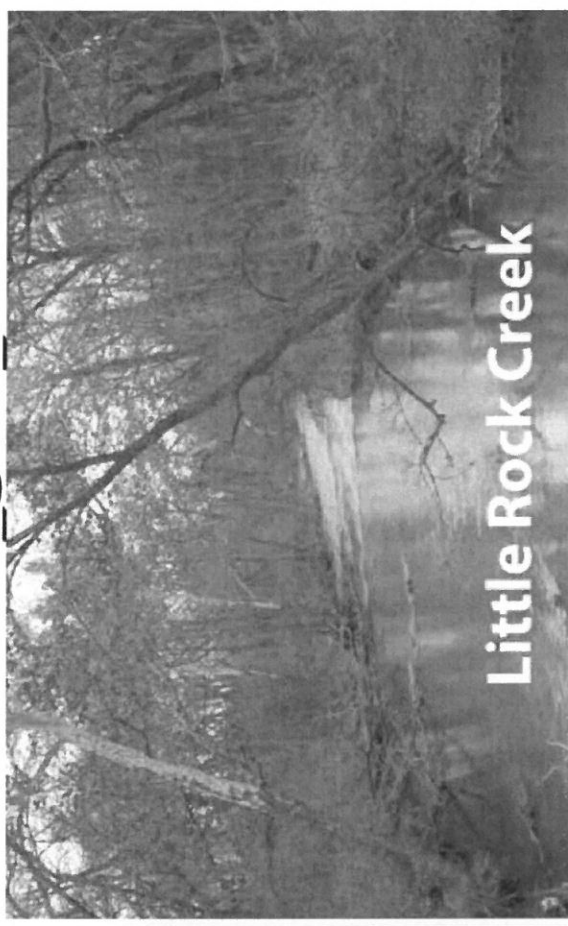
The Morton Arboretum, Lake County Forest Preserve District, Barrington Area Conservation Trust, The Conservation Foundation Chicago Region Trees Initiative, Conserve Lake County, Forest Preserves of Cook County, Forest Preserve District of DuPage County, Forest Preserve District of Kane County, Forest Preserve District of Will County, Illinois Department of Natural Resources, Kane County Development Department, Kendall County Forest Preserve District, The Land Conservancy of McHenry County, McHenry County Conservation District, Openlands



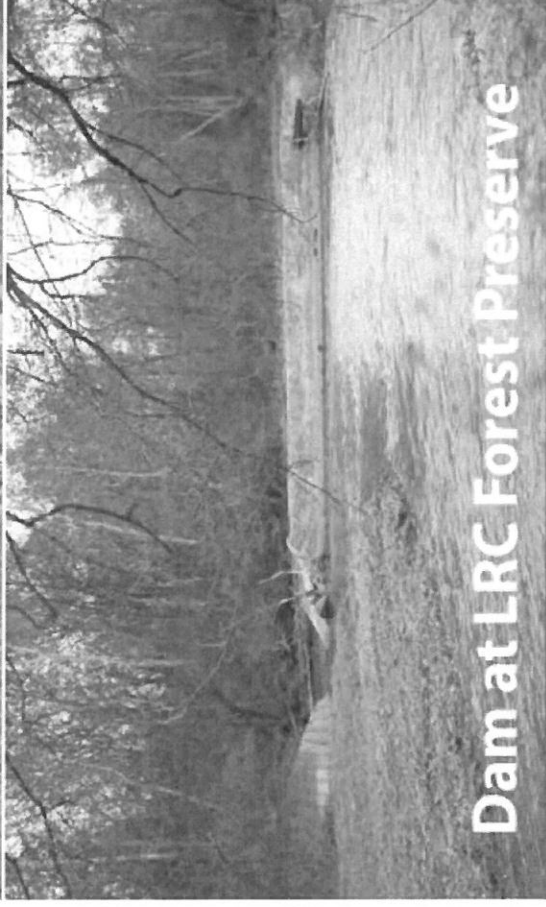
Little Rock Creek – Resources and Watershed Planning



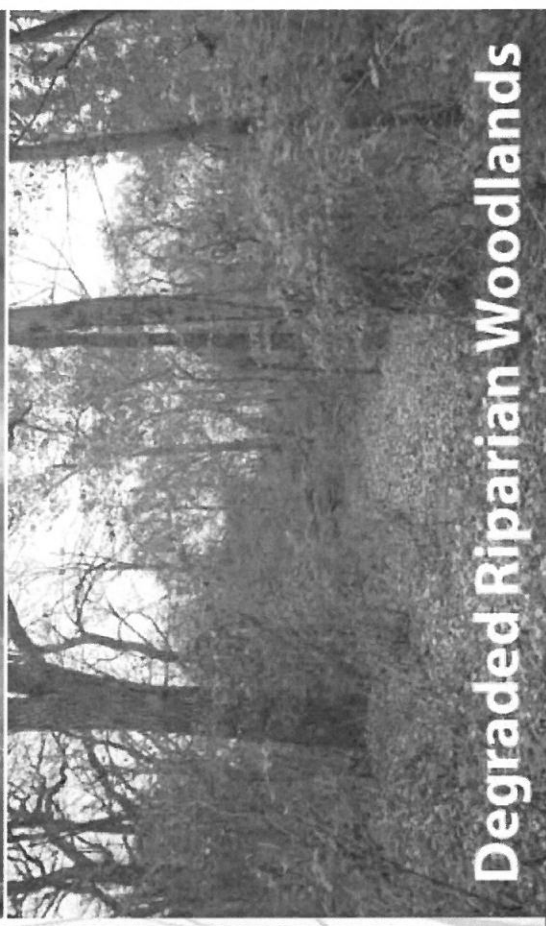
Little Rock Creek



Little Rock Creek



Dam at LRC Forest Preserve

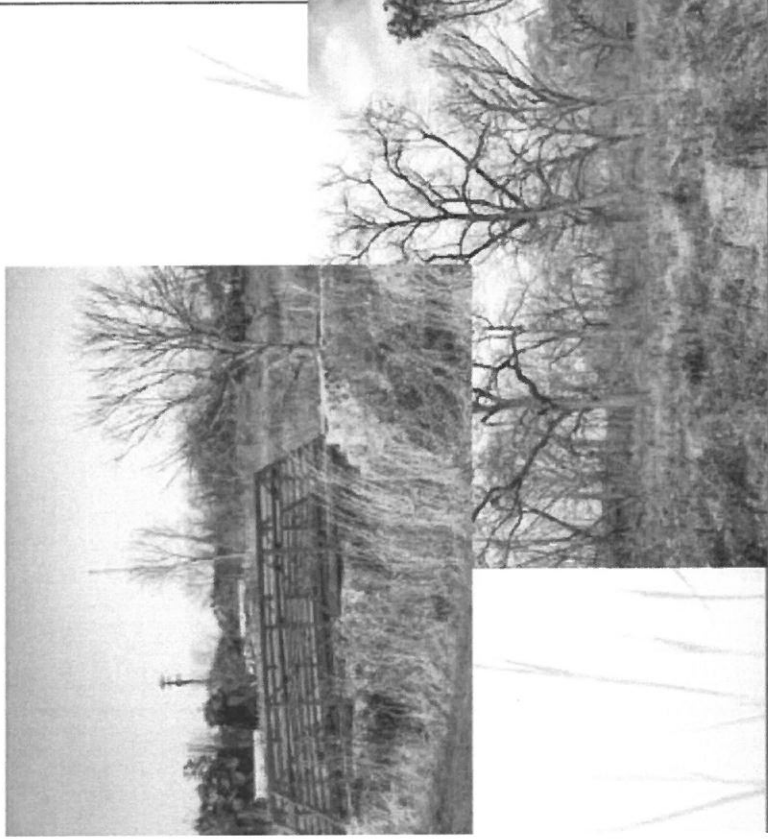


Degraded Riparian Woodlands



Other Areas

- 2 Priority Green Infrastructure Protection Areas
- 3 Natural Area Restorations
- 1 Natural Area Maintenance
- 1 Swale Naturalization
- 1 Dam & Bridge Removal



Potential Wetland Restoration Sites

7 potential wetland
restoration sites
located on
agricultural land



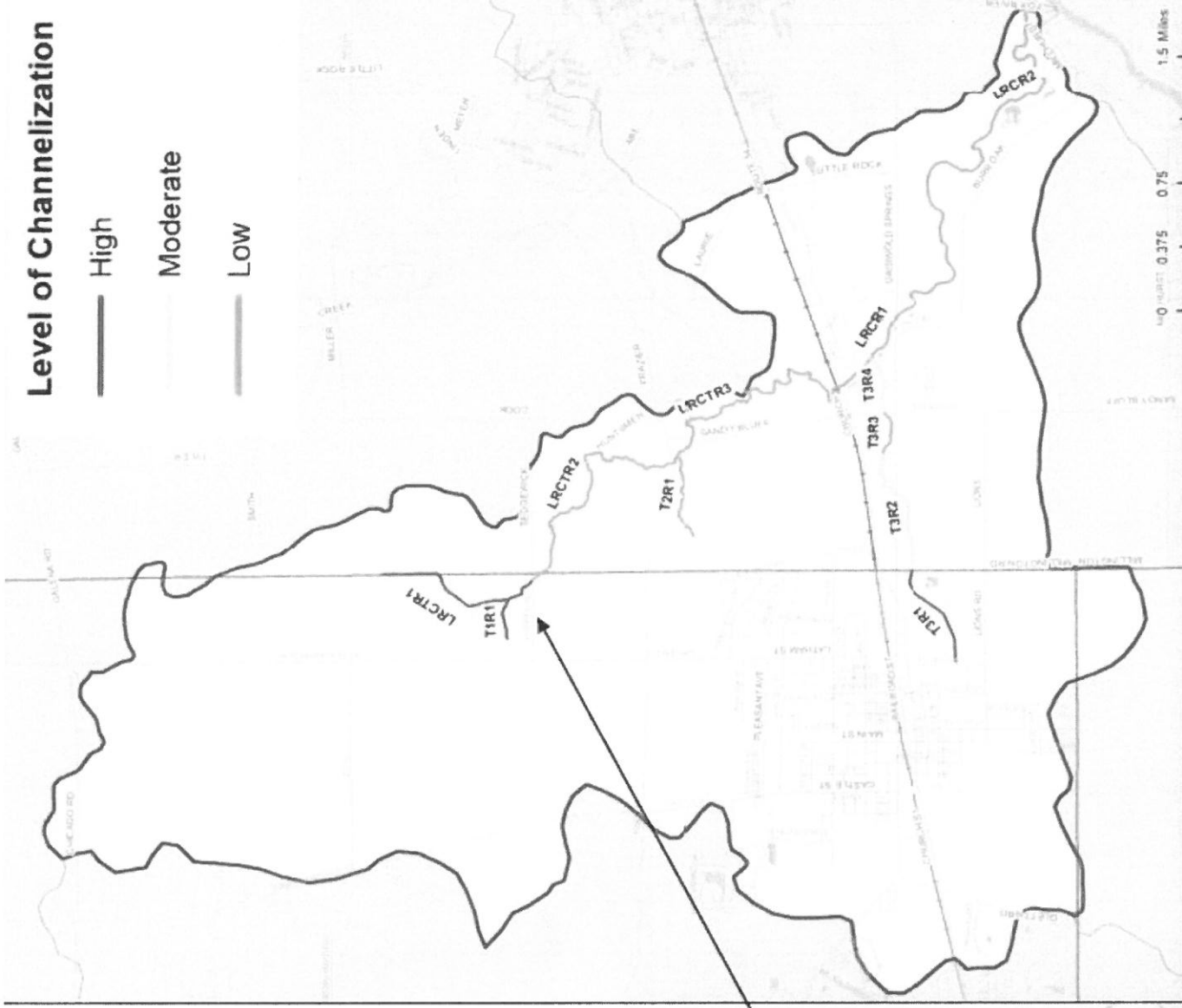
Stream Channelization

Level of Channelization

High: 9,835 lf (17%)

Mod.: 5,982 lf (11%)

Low: 40,776 lf (72%)



Big Rock Creek – Resources and Watershed Planning

THE PROJECT

The voluntary Big Rock Creek Land Conservation Planning Project concentrates on land areas along the main stem of the Big Rock Creek in Kane and Kendall Counties. The BRC watershed is one of the largest tributaries to the Lower Fox River and its Conservation Opportunity Area (COA), an area identified as having important conservation value by the Illinois Department of Natural Resources. The plan, which was completed October 31, 2015:

- Is strictly voluntary.
- Was developed by a diverse group of local stakeholders in Kendall and Kane Counties, including private landowners, local municipalities, counties, agencies and other groups, with facilitation by The Conservation Foundation.
- Helps stakeholders to determine priorities regarding natural resource protection.
- May raise the likelihood of obtaining funding for projects by complying with the local and state plans.

The overall goal of the project is to develop a recognized plan for local entities and individuals to use in land preservation efforts in the Big Rock Creek main stem basin for the protection of water quality, natural resources and open space. The planning process was funded through a grant from the Illinois Clean Energy Community Foundation to The Conservation Foundation.



WHY PROTECT BIG ROCK CREEK?

- Beauty
- Water quality
- Wildlife
- Natural areas
- Open space

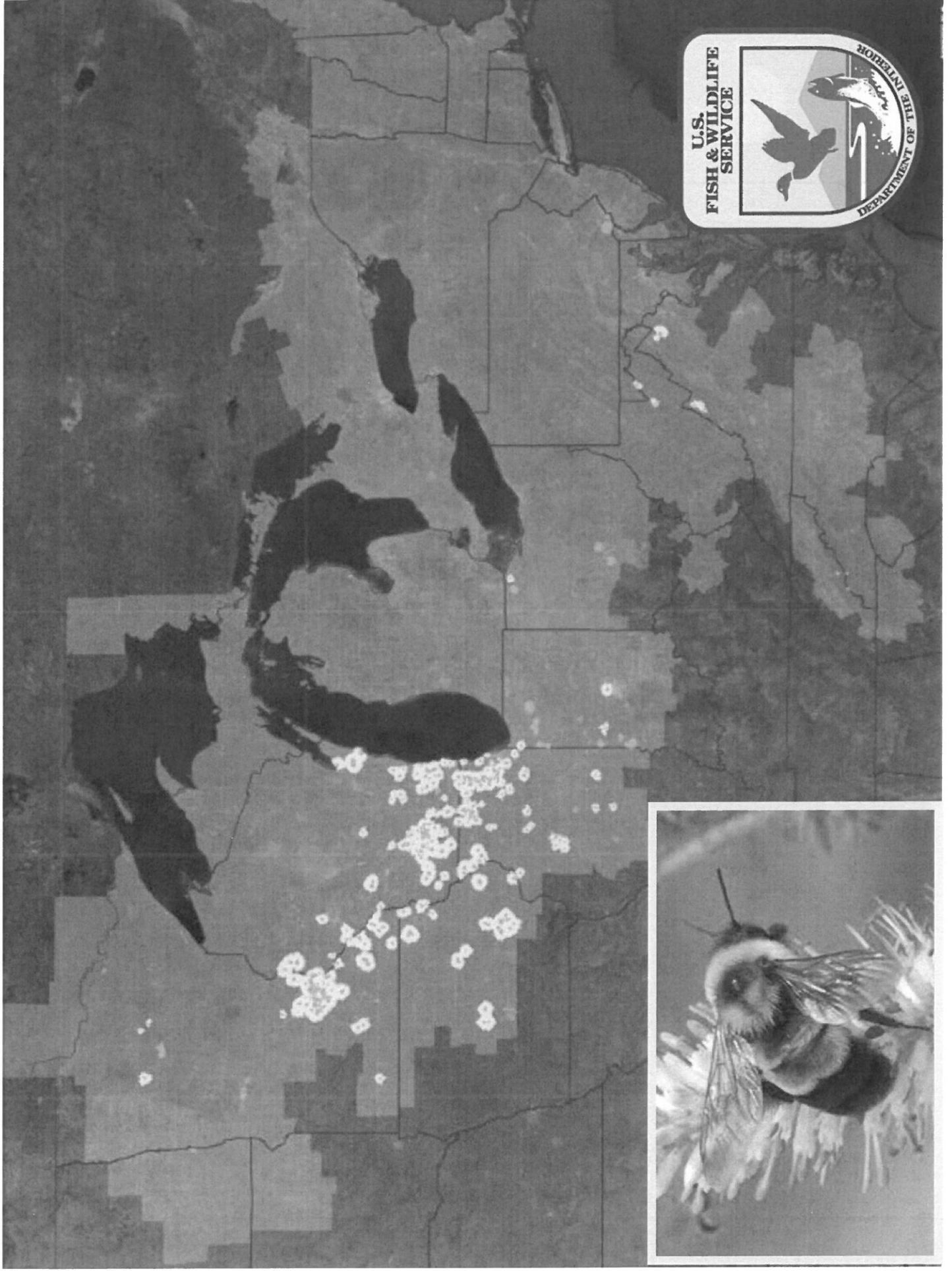
Landscape photos from
Big Rock Creek Watershed Planning Project
brochure, 2002

WHAT NOW?

Now that the plan is finished, we are committed to making sure it does more than collect dust. Here is how we hope the plan will be used:

- Owners of the 29 properties identified as priorities for protection will be contacted and encouraged to seek voluntary preservation options.
- The plan will enhance grant funding opportunities for townships, municipalities and counties within the watershed.
- Ultimately we hope for some level of protection on as many of the identified properties as possible. They are the natural treasures of the Big Rock Creek watershed!

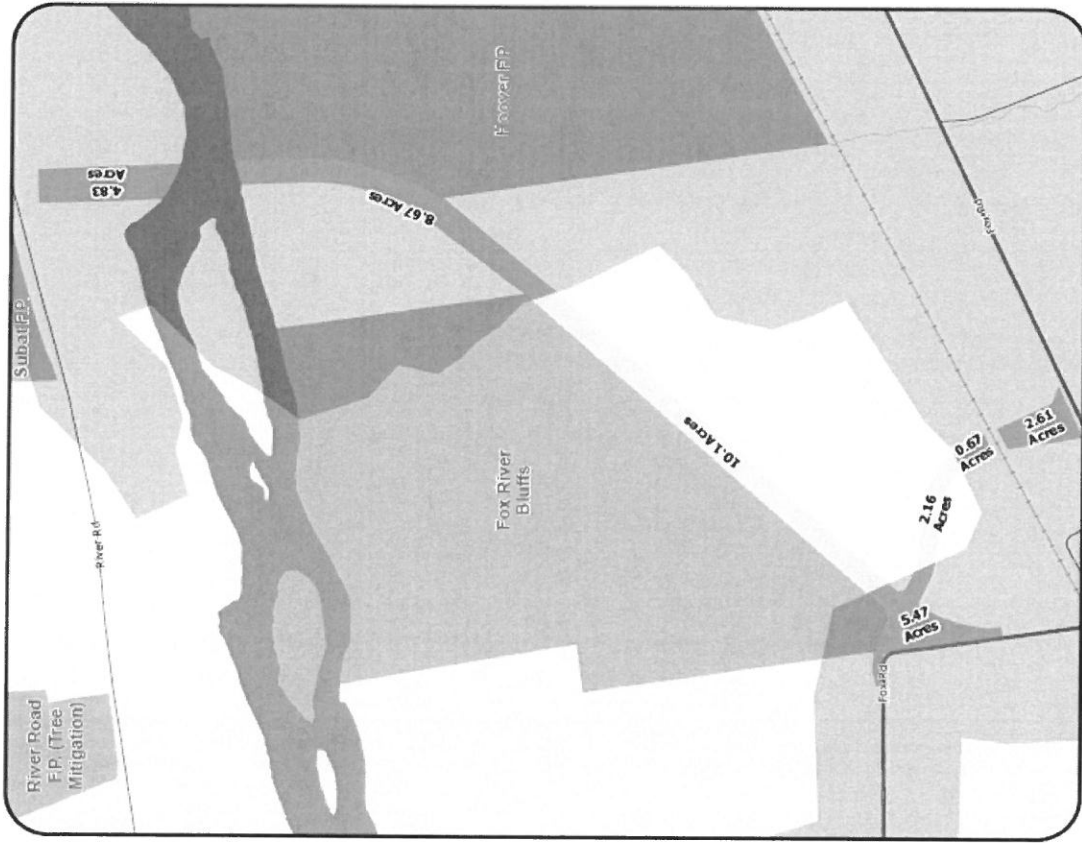
Rusty Patched Bumble Bee (*Bombus affinis*) – Kendall County Local Population



Eldamain Road - Phase II ROW

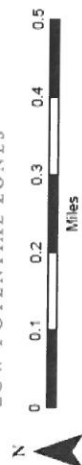
IDNR local population survey and documentation in late-summer 2018.

Adjacent ROWs to KC Forest Preserves

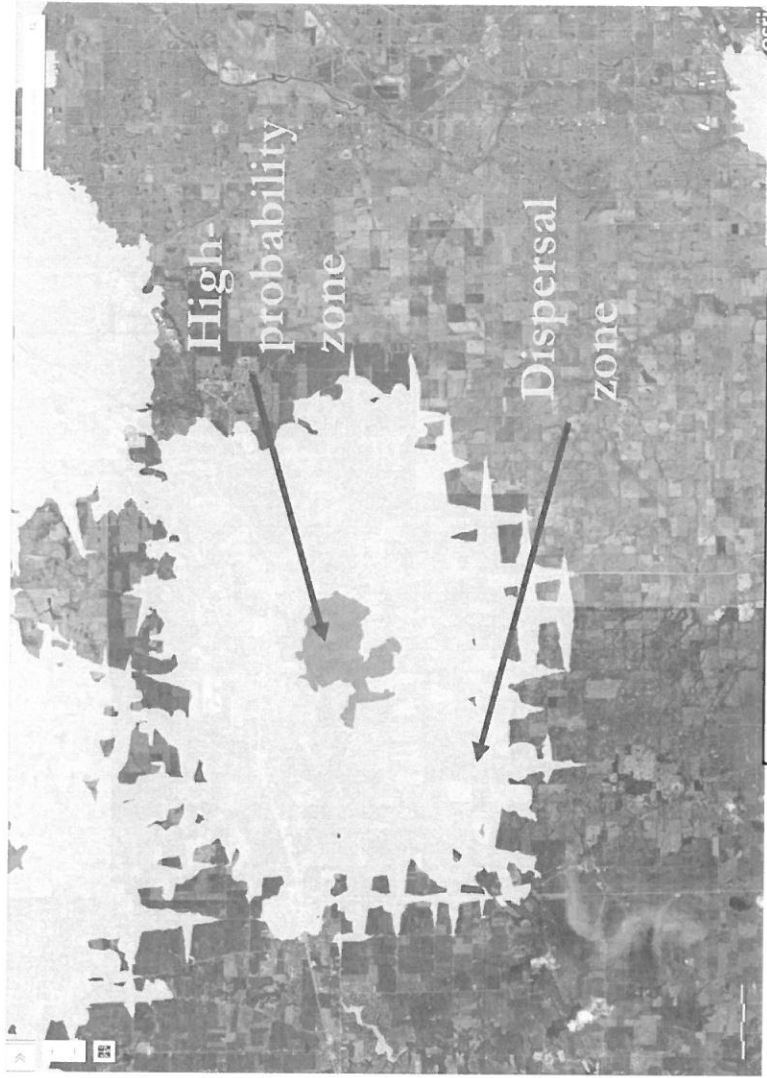


RUSTY PATCHED BUMBLE BEE HABIT
 HIGH POTENTIAL ZONES
 LOW POTENTIAL ZONES

ROW AREAS
 HIGH
 LOW



Kendall County GIS
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 www.kc.gov



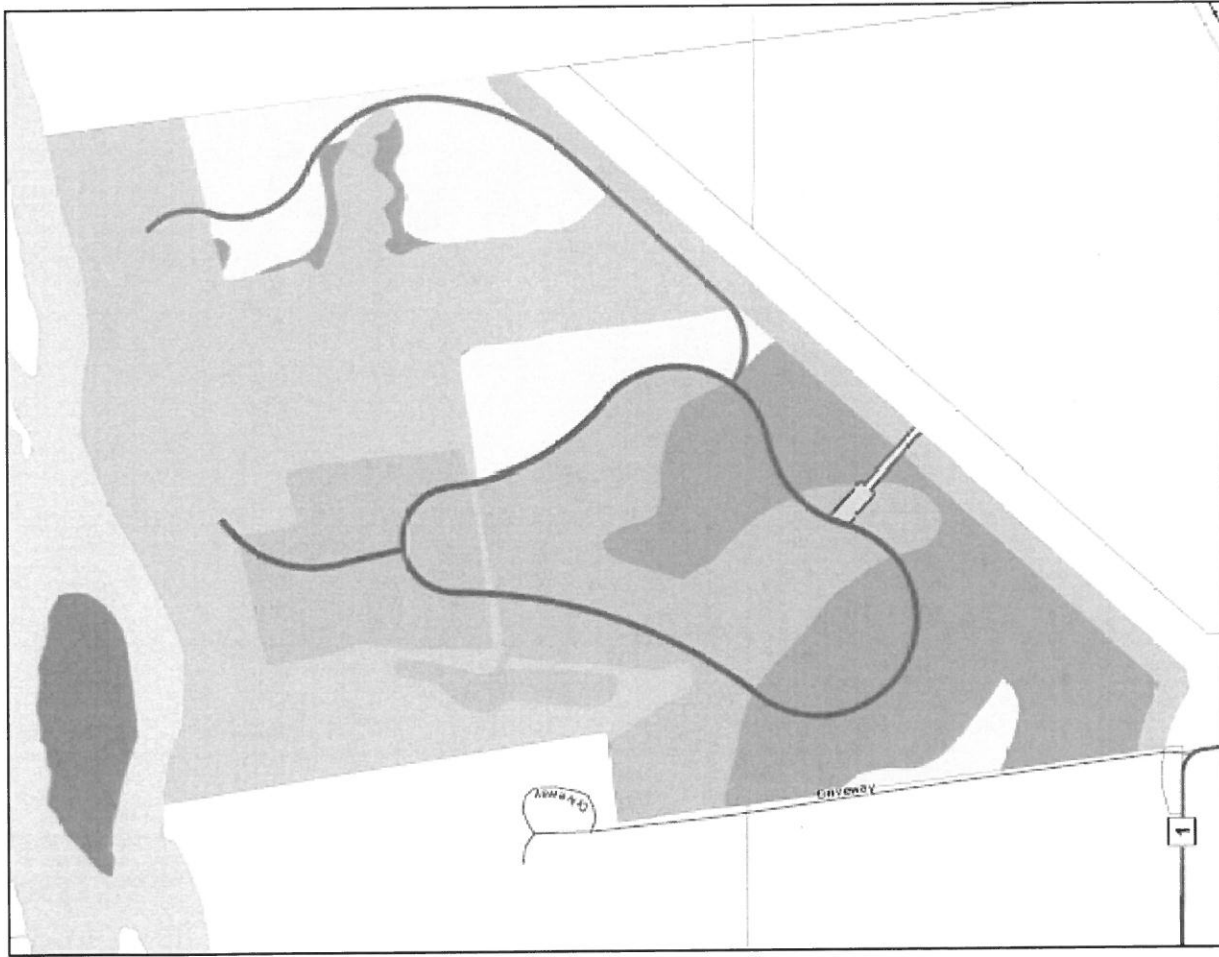
Preliminary Eldamain - Phase II ROW Acreage Figures	
High-Probability of Occurrence Zone	Dispersal Zone
4.83	10.1
8.67	2.16
5.47	
0.67	
2.61	
22.25	12.26

Total Acres - 34.51

Fox River Bluffs
Cropland Conversion Plan Modification

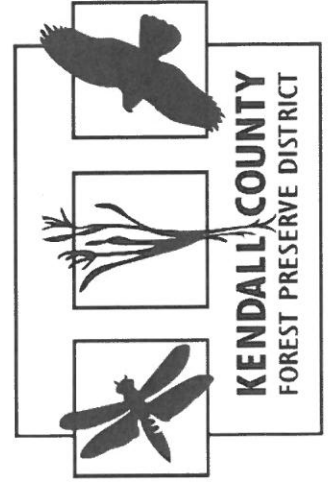
Original Prairie Footprint: 36.63-ac
Modified Prairie Seeding: +21.14-ac

Total: 57.77-ac / 99-acres



Legend

- Amended Conversion Plan Areas for RPBB (21.14 ac)
- Cropland - Alfisols (37.37 ac)
- Cropland - Inceptisols (1.47 ac)
- Cropland - Mollisols (29.88 ac)
- Setback (6.74 ac)
- Construction (0.22 ac)
- Main Compacted (2.04 ac)
- Main Mowing (1.53 ac)
- Proposed Compacted (1.05 ac)
- Proposed Mowing (0.79 ac)
- Drive (0.11 ac)
- Parking (0.20 ac)
- Forest (59.48 ac)
- Island (5.99 ac)



Recommendations
(Preliminary)

Affordable and Within
Current Limits

Additional Resources
Required

Long-term Vision

<p>1. Increase Natural Area Management Activities in all Class III and Class IV Preserves to Increase Habitat Buffers and Corridors; Promote Oak Regeneration and Ecosystem Recovery; Increase Invasive Species Clearing and Prescribed Burning.</p>	<p>Grant-funded restoration projects (Project Hoover; TMA-Landscape Scale Restoration; FRB Conversion) Small Grant Project Support from USF&WS; FFKC; TCF; IDNR; ICECF</p>	<p>Dedicated Staffing for Natural Resource Management and Volunteer Coordination Dedicated funding for NRM Capital Projects Effect Cropland Conversion (571-acres)</p>	<p>Convert All Acres in Crop Production to Natural Habitat Expand Prescribed Burnings to 10% of Preserve Holdings Annually Increase Invasive Species Clearing Activities to 10% of Preserve Holdings Annually</p>
<p>2. Establish and Implement Recovery Plans for all State and Federally Listed Threatened and Endangered Species Occurring in all Preserve Areas.</p>	<p>Complete the FRB Cropland Conversion Project Implement the RPBB Recovery Plan – TBD Begin Restoration of the Eldamain-Schaeffer Road Fen.</p>	<p>Repeat FQI to Document Natural Area Management Outcomes. Address Oak Decline and Promote Regeneration through Invasive Clearing Projects Actively Monitor Species Response</p>	<p>Monitor for T&E Response to NRM Interventions Document Increasing or Decreasing Local T&E Populations Monitor for T&E Response to NRM interventions T&E Species Delisting</p>
<p>3. Increase Wildlife Monitoring Activities for Class III and IV Areas; Illinois Dedicated Nature Preserves, and Plants of Concern.</p>	<p>Repeat / Initial FQI Studies for Hoover; Fox River Bluffs; Little Rock Creek; Millbrook North; Millbrook South; Lyon-Richard Young Establish Management Plans for Class III and IV Areas</p>	<p>Increase ID & Monitoring for Plants of Concern. Increase ID, Monitoring and Management for Other Rare or Declining “Species in Greatest Need for Conservation.”</p>	<p>Document Trends of Loss and Recovery of Wildlife Species in Greatest Need for Conservation in Kendall County</p>



FOR IMMEDIATE RELEASE

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FEBRUARY 26, 2020

**Partnerships Bloom in Kendall County to Enhance Pollinator Habitat and
Federally Endangered Species Recovery**

In 2018 the Illinois Clean Energy Community Foundation (ICECF) awarded a \$27,000 challenge grant to the Forest Foundation of Kendall County (FFKC) for “Project Hoover,” a focused community outreach program working to restore the oak woodland and prairie habitats at Hoover Forest Preserve near Yorkville, Illinois. FFKC is a 501(c)3 charitable organization established in 2006 actively supporting the Kendall County Forest Preserve District (KCFPD). ICECF funds renewable energy and natural areas projects throughout the state and one of the Foundation’s first large, \$1M plus grants for land acquisition helped the Forest Preserve District acquire 140 acres to create Hoover Forest Preserve in 2004.

The District’s education department, in partnership with Oswego Community Unit School District 308 - Oswego East High School’s (OEHS) Biology and Ecology Club students are working together to enhance and recover Hoover’s habitat areas. Project Hoover field trips and volunteer work days, work to remove and burn invasive honeysuckle within the preserve’s oak woodland corridor, and plant a diverse variety of native species within the preserve’s core prairie area.

Scott Johnson, OEHS science teacher, and FFKC President has a long history of supporting conservation in Kendall County, which stretches over multiple generations. Scott Johnson’s grandfather is the late Dick Young, a renowned local naturalist, author on local plant communities, former Kendall County Board member and Forest Preserve District President. Johnson’s enthusiasm for nature-based studies transcends into the classroom and his students, where “the importance of providing these field work opportunities to students cannot be

overstated. When students have the ability to engage in local environmental projects, it results in stronger curriculum connections as well as a sense of belonging in the community."

In summer 2018, with these restoration efforts underway, the Illinois Department of Natural Resources (IDNR) surveyed natural areas statewide for the recently listed federally endangered Rusty Patched Bumble Bee (*Bombus affinis*). *B. affinis*, and other bumble bees are considered keystone species, meaning that other species directly depend on their presence for survival. Native woodland and prairie plants, for example, depend on local pollinators for seed production. The decline of *B. affinis*, and other local pollinator species is impacting local habitats and food chains. Bumble bees are also pollinators of food crops such as tomatoes, blueberries, cranberries, and clover according to the U.S Fish and Wildlife Service (USF&WS). The decline of *B. affinis* can be attributed to a mixture of stressors including habitat loss and degradation, pesticides, pathogens, and the effects of climate change. USF&WS reports the *B. affinis* population has declined 87% since 2000.

The 2018 IDNR statewide survey documented the only known population of *B. affinis* in Kendall County at Hoover Forest Preserve. *B. affinis* is a generalist, relying on nectar and pollen from a wide variety of flowering plants each year in order to grow their colonies. While *B. affinis* colonies rely heavily on prairie wildflowers in summer, they also rely on woodlands for spring wildflowers, cooler temperatures and shelter for overwintering queens. Hoover Forest Preserve contains large habitat areas where the local population occurs.

ICECF recently awarded KCFPD and OEHS two additional K-12 Pollinator Schools Program grants that will expand partnership efforts. Grant funding will work to promote conservation of local Kendall County pollinators through education, habitat creation, and further enhancement of Hoover Forest Preserve's natural areas. Dennis O'Brien, Executive Director of ICECF, stated that "the work in Kendall County is a model of good partnership and strategic conservation. The KCFPD and FFKC have worked hard to involve the local communities including students within the restoration efforts to build awareness, and support for natural areas and wildlife habitat."

On March 11, 2020 the Chicago Wilderness Education team will hold a meeting at Hoover's Meadowhawk Lodge to promote these local partnership efforts. Students from OEHS will attend the meeting to showcase their involvement within Project Hoover, curricular connections, and restoration impacts. Students will also continue habitat restoration efforts to support local pollinator recovery. Shaiva Dhyani, OEHS senior and OEHS Ecology Club President reflected that "working with Hoover Forest Preserve has been one of the most gratifying experiences of my high school career. We have worked to remove invasive species and plant native species to support local wildlife, allowing us to learn and make a difference in our community. These activities help show how together we can help protect the environment on a larger scale, and working with the KCFPD teaches and inspires my classmates to also protect the environment in any way they can."

KCFPD is expanding efforts to create new habitat for the local *B. affinis* population with the conversion of 100-acres of farmland to woodland and prairie habitat at Fox River Bluffs Forest Preserve located just west of Hoover Forest Preserve. The District acquired Fox River Bluffs in 2015 with support from an IDNR Open Space Land Acquisition and Development Grant (\$750,000) and an ICECF Land Acquisition program grant (\$602,000). The Board of Commissioners recently approved modifying the farmland conversion plan to increase seeding of prairie habitat to 59 total acres.

Judy Gilmour, President of the KCFPD, is a retired SD308 school teacher and graduate of Oswego High School. Gilmour states that “Project Hoover has been an overwhelming success bringing our local citizens together to help care for local nature. Involvement of both SD308 and Y115 students helps connect our youth to real-world science applications and their local forest preserves to insure that these special places are conserved for future generations.”

Matt Kellogg, Commissioner of the KCFPD, and former Chairman of Kendall County Soil and Water Conservation District is a local farmer and graduate of Oswego High School. Kellogg states that “our local farms depend upon our local pollinators for certain crops. At the Kellogg farm, we maintain honey bee hives and harvest a small honey crop each year. We all need to do our part to support recovery of local pollinators within our gardens, landscapes, and farms.”

The Kendall County Forest Preserve District will be conducting volunteer work days in 2020 to continue efforts to enhance habitat areas at Hoover Forest Preserve and other forest preserve areas. For more information, or to enroll as a Natural Areas Volunteer, contact Antoinette Meciej, Communications, Marketing and Public Program Specialist for the District at 630-553-2232, or by email at awhite@co.kendall.il.us.

The Forest Foundation of Kendall County is accepting donations to support Rusty Patched Bumble Bee education and habitat recovery efforts in Kendall County. Donations to the Forest Foundation are tax-deductible. Individuals interested in making a donation should contact the District’s Executive Director, David Guritz at 630-553-4131, or by email at kcforest@co.kendall.il.us.

END



Preliminary, as of February 4, 2020

Kendall County Forest Preserve District, Illinois

General Obligation Limited Tax Bonds, Series 2020

Dated: July 15, 2020

Preliminary - As of February 4, 2020

Debt Service Schedule

Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
07/15/2020	-	-	-	-	-
07/01/2021	-	-	9,130.56	9,130.56	-
01/01/2022	70,000.00	2.500%	4,750.00	74,750.00	83,880.56
07/01/2022	-	-	3,875.00	3,875.00	-
01/01/2023	75,000.00	2.500%	3,875.00	78,875.00	82,750.00
07/01/2023	-	-	2,937.50	2,937.50	-
01/01/2024	75,000.00	2.500%	2,937.50	77,937.50	80,875.00
07/01/2024	-	-	2,000.00	2,000.00	-
01/01/2025	80,000.00	2.500%	2,000.00	82,000.00	84,000.00
07/01/2025	-	-	1,000.00	1,000.00	-
01/01/2026	80,000.00	2.500%	1,000.00	81,000.00	82,000.00
Total	\$380,000.00	-	\$33,505.56	\$413,505.56	-

Yield Statistics

Bond Year Dollars	\$1,340.22
Average Life	3.527 Years
Average Coupon	2.5000003%
Net Interest Cost (NIC)	2.5000003%
True Interest Cost (TIC)	2.4959518%
Bond Yield for Arbitrage Purposes	2.4959518%
All Inclusive Cost (AIC)	3.7100487%

IRS Form 8038

Net Interest Cost	2.5000003%
Weighted Average Maturity	3.527 Years