

Urban Wild Acres of the St. Louis Region

August G. Beckemeier Conservation Area
Jean and Joan Goodson (Bittersweet Woods) Conservation Area
Gravois Creek Conservation Area
Hickory Woods Conservation Area
Phantom Forest Conservation Area
Roger Klamberg Memorial Woods Conservation Area
Teszars Woods Conservation Area
Wild Cherry Ridge Conservation Area

Ten Year Area Management Plan FY 2013- 2022




Wildlife Division Chief

1/30/13
Date

Urban Wild Acres of the St. Louis Region Area Management Plan Approval Page

PLANNING TEAM:

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ST. LOUIS REGION:

Cathy deJong, St. Louis RCT Chair



Signature

2/28/13
Date

WILDLIFE DIVISION:

Joel Porath, Wildlife Management Chief



Signature

1/30/14
Date

OVERVIEW

Area Name	Area Number	Year Acquired	Acreage	County	Division with Maintenance & Administrative Responsibilities
August G. Beckemeier Conservation Area	9724	1996	54	St. Louis	Wildlife
Jean and Joan Goodson (Bittersweet Woods) Conservation Area	9805	1998	10	St. Louis	Wildlife
Gravois Creek Conservation Area	9707	1996	13.7	St. Louis	Wildlife
Hickory Woods Conservation Area	8707	1986	10.5	St. Louis	Wildlife
Phantom Forest Conservation Area	9411	1993	13	St. Louis	Wildlife
Roger Klamberg Memorial Woods Conservation Area	8214	1982	67.3	St. Louis	Wildlife
Teszars Woods Conservation Area	8009	1980	90	Jefferson	Wildlife
Wild Cherry Ridge Conservation Area	9703	1996	9.2	St. Louis	Wildlife

Statements of Purpose

A. Strategic Direction

The Urban Wild Acres (UWA) of the St. Louis Region will be managed to provide areas of nature enjoyment close to home for urban residents, provide places to pursue conservation education and demonstrate conservation practices, provide urban wildlife habitat, and conserve open space in partnership with local governing bodies.

B. Desired Future Condition

The desired future condition for the Urban Wild Acres is mostly forested open space in an urban setting.

C. Federal Aid Statement

N/A

GENERAL INFORMATION AND CONDITIONS

I. Special Considerations

Area	Priority Area	Natural Area
August G. Beckemeier Conservation Area	None	None
Jean and Joan Goodson (Bittersweet Woods) Conservation Area	None	None
Gravois Creek Conservation Area	None	None
Hickory Woods Conservation Area	None	None
Phantom Forest Conservation Area	None	None
Roger Klamberg Memorial Woods Conservation Area	Forest Action Plan Landscape; Audubon Important Bird Area	None
Teszars Woods Conservation Area	The Nature Conservancy Priority Stream Reach	None
Wild Cherry Ridge Conservation Area	None	None

The Urban Wild Acres areas are distributed from northern St. Louis County to northern Jefferson County, and are all located in urbanized parts of the St. Louis metropolitan area. Residents living around the UWA express great interest in what happens on the areas and convey appreciation for the long-term commitment of MDC in holding the areas safe from development. While the UWA are generally degraded habitats with limited developed public use, their contribution to conservation is nonetheless considerable. Four of the UWA properties are leased to and cooperatively managed with local municipal park departments.

II. Important Natural Features and Resources

- A. Species of Conservation Concern:** None observed
- B. Caves:** Yes, records kept with MDC Natural History Biologist. Managers should follow the Cave Management policy found in the MDC Resource Policy Manual. All caves on this and other Conservation Areas are closed or restricted to public access. The fungus that causes White-nose Syndrome in bats has been documented in Missouri, resulting in the Missouri Department of Conservation's White-nose Syndrome Action Plan that limits public access to protect bats.
- C. Springs:** None
- D. Other:** Mesic bottomland forest found on Teszars Woods Conservation Area.

III. Existing Infrastructure

- No buildings or roads exist on any of the UWA areas.
- See Table for additional infrastructure

Area Name	Trails	Parking lots	Picnic areas
August G. Beckemeier Conservation Area	0.5 mile primitive surface loop trail	1 unlighted, disabled accessible lot	1 picnic area with table
Jean and Joan Goodson (Bittersweet Woods) Conservation Area	0.3 mile primitive surface loop trail, maintained by City of Des Peres, connects to Phantom Forest CA	None	None
Gravois Creek Conservation Area	None	None	None
Hickory Woods Conservation Area	0.3 mile concrete, disabled accessible trail maintained by City of Bridgeton	1 unlighted, disabled accessible lot maintained by City of Bridgeton	None
Phantom Forest Conservation Area	0.5 mile primitive surface loop trail, maintained by City of Des Peres, connects to Goodson CA	1 lighted, disabled accessible lot maintained by City of Des Peres	None
Roger Klamberg Memorial Woods Conservation Area	0.3 asphalt multi-use trail and 0.3 primitive surface trail, maintained by City of Ellisville	1 lighted, disabled accessible lot maintained by City of Ellisville	None
Teszars Woods Conservation Area	0.6 primitive surface trail from Flamm City Access, 0.25 primitive surface trail from parking lot	1 unlighted parking lot	1 picnic area with table
Wild Cherry Ridge Conservation Area	None	None	None

IV. Area Restrictions or Limitations

Area	Deed Restrictions	Federal Interest	Easements	Cultural Resources	Hazards	Endangered Species	Boundary Issues	Lease Agreements
August G. Beckemeier	None	See note ²	Yes ³	Yes ⁹	None observed	None observed	See note ⁷	None
Jean and Joan Goodson (Bittersweet Woods)	None	See note ²	None	None known	None observed	None observed	See note ⁷	Yes ⁸ – City of Des Peres
Gravois Creek	None	See note ²	None	None known	None observed	None observed	See note ⁷	None
Hickory Woods	None	See note ²	Yes ⁴	None known	None observed	None observed	See note ⁷	Yes ⁸ – City of Bridgeton
Phantom Forest	Yes ¹	See note ²	Yes ⁵	None known	None observed	None observed	See note ⁷	Yes ⁸ – City of Des Peres
Roger Klamberg Memorial Woods	None	See note ²	Yes ⁶	None known	None observed	None observed	See note ⁷	Yes ⁸ – City of Ellisville
Teszars Woods	None	See note ²	None	None known	None observed	None observed	See note ⁷	None
Wild Cherry Ridge	None	See note ²	None	None known	None observed	None observed	See note ⁷	None

¹Deed restriction conveyed in the deed: “The Property shall be preserved and maintained in its present condition as a wooded area and nature preserve and no construction or development or any improvements of any kind whatsoever other than those which facilitate the use and enjoyment of the Property as a natural woodland park (such as nature paths, benches and resting areas) shall be permitted, the intention being that the Property shall forever remain as a wooded nature preserve.”

²Federal funds may be used in the management of this land. Fish and wildlife agencies may not allow recreational activities and related facilities that would interfere with the purpose for which the State is managing the land. Other uses may be acceptable and must be assessed in each specific situation.

³Beckemeier CA Easements:

- Spy Glass Summit Homeowners Association drainage easement on west end of property.
- 20' wide, 90' long sewer easement on north end of property.

⁴Hickory Woods CA Easements:

- Road easement along Fee Road.

⁵Phantom Forest CA Easements:

- Road easement for the widening of Barrett Station Road.

⁶Klamberg Woods CA Easements:

- 10' wide easement to MSD traverses property on an east/west line just north of Oakwood Farms subdivision access point to the east.
- 20' wide easement to City of Ellisville and Ameren UE traverses property on north/south line from City of Ellisville ingress/egress inholding to the south.
- 10' wide sewer easement to City of Ellisville crosses diagonally through the southwest corner of the property.

⁷Each of the UWA conservation areas is located in an urbanized environment. Many neighboring landowners makes boundary maintenance an ongoing challenge. Common boundary issues on all areas include dumping of residential yard waste and encroachment.

⁸Four of the UWA conservation areas are leased to municipal park departments for day-to-day maintenance. These lease agreements are considered beneficial to MDC's objectives by lowering the cost and staff time involved in area maintenance. The lease agreements identify the Lessee (i.e., the municipal park department) as responsible for repairs to any infrastructure including parking lots, trails and lighting. MDC retains sole authority to allow or disallow any alterations to the landscape and infrastructure and uses of the area.

The four areas with active lease agreements are:

- 1) Goodson (Bittersweet Woods) CA: Leased to City of Des Peres through 3/31/2031
- 2) Hickory Woods CA: Leased to City of Bridgeton through 1/20/2037
- 3) Phantom Forest CA: Leased to City of Des Peres through 3/31/2031
- 4) Roger Klamberg Woods CA: Leased to City of Ellisville through 2/18/2033

⁹ Beckemeier CA Cultural Resources: Records kept with MDC Environmental Compliance Specialist. Managers should follow Best Management Practices for Cultural Resources found in the MDC Resource Policy Manual.

MANAGEMENT CONSIDERATIONS

V. Terrestrial Resource Management Considerations

The UWA areas are mostly forest or woodland natural communities but do include a unique shrub-scrub wetland and some artificially maintained open lands.

Challenges and Opportunities:

- 1) Challenge: Assess and manage dead and dying trees on area.
- 2) Challenge: Exotic species management
- 3) Opportunity: Beckemeier old field/fescue conversion

Management Objective 1: Assess and manage dead and dying trees on area.

Strategy 1.1: Staff will inspect wooded portions of the areas for dead and dying trees and remove those that have the potential to impact area infrastructure.

Management Objective 2: Manage invasive species on all UWA areas.

Strategy 2.1: Assess and prioritize the management of invasive species on all UWA areas with high quality or sensitive natural communities addressed as the highest priority. It should be noted that some control measures have already been implemented on many of these areas.

Strategy 2.2: Continue to partner with and develop new partnerships with communities and volunteer groups to increase the amount of invasive species control measures on the UWA areas. Current resources are inadequate to keep up with the rate of invasive species invasion.

Strategy 2.3: Where appropriate, and as resources allow, restore indigenous flora once invasive species have been reduced to a manageable level.

Management Objective 3: Manage open land on Beckemeier CA to provide an early successional habitat and as a demonstration area.

Strategy 3.1: Assess current condition and apply appropriate management to reduce undesirable and exotic species.

Strategy 3.2: Establish native grasses and forbs.

Strategy 3.3: Evaluate conditions and supplement plants as needed to maintain good ground cover.

Strategy 3.4: Control succession of undesired plants and invasion of exotic species through use of prescribed fire and other appropriate management measures.

VI. Aquatic Resource Management Considerations

Challenges and Opportunities:

- 1) Opportunity: Demonstrate sound watershed management practices on all UWA properties.
- 2) Challenge: Conserve shrub-scrub wetland at Teszars Woods CA.
- 3) Challenge: Increased off-site inputs from stormwater and hard-surface runoff cause downcutting of Gravois Creek.

Management Objective 1: Cooperate with City of Bridgeton to explore ways to mitigate stormwater runoff that is eroding the creek within Hickory Woods CA.

Strategy 1.1: Explore possibility of implementing a rain garden or bioswale project at Gentry Park and Hickory Woods CA in cooperation with the City of Bridgeton to mitigate stormwater from the city facilities in Gentry Park that impacts the stream in Hickory Woods CA.

Management Objective 2: Conserve shrub-scrub wetland at Teszars Woods CA.

Strategy 2.1: Monitor the health of the shrub-scrub wetland at Teszars Woods CA and address degradation issues as they occur.

Management Objective 3: Promote better watershed management in urban areas.

Strategy 3.1: Support MSD's Phase II stormwater mitigation efforts impacting Gravois Creek.

VII. Public Use Management Considerations

Challenges and Opportunities:

- 1) Opportunity: Demonstrate green infrastructure and ecosystem services.
- 2) Challenge: Evaluate suitability of trails for public use.
- 3) Challenge: Evaluate feasibility of additional managed deer hunts.
- 4) Opportunity: Use as technical training sites for urban lands.
- 5) Opportunity: Promote use for educational programs including Discover Nature Schools curriculum.

Management Objective 1: Promote awareness of green infrastructure/ ecosystem services.

Strategy 1.1: Use media opportunities to increase public awareness of Urban Wild Acres.

Strategy 1.2: Consider utilizing UWA as demonstration areas for best management practices such as stormwater mitigation and native habitat management.

Management Objective 2: Maintain trails and determine whether trails are appropriate for listing in Atlas database.

Strategy 2.1: Develop Teszars access trail from the parking lot and extend it to the shrub/scrub wetland.

Strategy 2.2: Consider working with the city of Arnold and/or Master Naturalist to develop a trail and address hazard trees along trail path.

Strategy 2.3: Install water bars on the trail at Beckemeier CA to mitigate erosion on southwest corner of loop trail.

Management Objective 3: Evaluate feasibility of managed deer hunts.

Strategy 3.1: Coordinate with City of Ellisville to continue managed hunts at Klamberg Woods CA.

Strategy 3.2: Consider feasibility of a managed hunt at Beckemeier CA, taking into account staff time to monitor hunters.

Management Objective 4: Use as technical training sites for urban land conservation practices.

Strategy 4.1: Develop and hold technical training at UWA sites to promote conservation practices on urban lands, such as a prescribed fire workshop at Beckemeier CA.

Strategy 4.2: Explore potential for stormwater mitigation project(s) at UWA sites and relevance to Phase II storm water permit; MSD may have interest as a partner on project.

Management Objective 5: Work with Outreach & Education staff to encourage Discover Nature Schools to utilize Urban Wild Acres.

Strategy 5.1: Conduct a tour for area Education Consultants to become familiar with UWA sites.

Strategy 5.2: List sites that can be used as Discover Nature Schools field experience destinations and promote sites at Discover Nature Schools teacher training.

Strategy 5.3: Identify field experiments that are appropriate for each site used.

VIII. Administrative Considerations

Challenges and Opportunities:

- 1) Challenge: Inadequate contract dollars, staff, and/or equipment leads to passive management of areas and difficulty achieving management objectives.
- 2) Challenge: Boundary issues are common on all areas

- 3) **Opportunity:** Existing lease agreements are beneficial to MDC and the UWA areas; maintain existing agreements and pursue additional lease agreements with municipal departments where feasible.

Management Objective 1: Pursue greater funding from inside and outside the agency for contract dollars and/or opportunities to utilize staff and equipment to meet management objectives.

Strategy 1.1: Assign work teams to the areas under the management of the urban wildlife biologist. Designated work teams would assist in special projects or issues that arise which require additional staff or equipment.

Strategy 1.2: Pursue additional budget funds through outside grant sources or Wildlife Division to implement small scale, multi-year habitat enhancement projects. Projects would have an associated management plan and schedule to gauge feasibility of staff and budget needs.

Strategy 1.3: Explore possibility of an annual contract with AmeriCorps National Civilian Conservation Corps for area management.

Management Objective 2: Address boundary issues such as encroachment and dumping of yard waste.

Strategy 2.1: Complete boundary survey at Tetzars Woods CA.

Strategy 2.2: Develop strategy for biennial boundary assessment. Walking boundaries, noting encroachments, notifying neighbors of violations and deadlines for correction, and follow-up will be necessary on a scheduled timeframe to ensure boundaries are maintained.

Management Objective 3: Ensure continuing relationships with existing UWA lessees, and pursue lease agreements for additional UWA areas where feasible.

Strategy 3.1: Pursue lease agreement for Tetzars Woods CA with the City of Arnold.

Strategy 3.2: Pursue lease agreement for Wild Cherry Ridge CA with the City of Ferguson. If no lease agreement for Wild Cherry Ridge is active or in-process by 2023, consider recommending disposition of property.

MANAGEMENT TIMETABLE

Strategies are considered ongoing unless listed in the following table:

	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
Terrestrial Resources Management										
Objective 3										
Strategy 3.1				x	x					
Strategy 3.2					x	x				
Strategy 3.3						x	x	x		
Strategy 3.4				x	x	x	x	x	x	x
Aquatic Resources Management										
Objective 1						x				
Strategy 1.1						x	x			
Objective 3										
Strategy 3.1	x	x	x	x	x					
Public Use Management										
Objective 1										
Strategy 1.1					x		x		x	
Strategy 1.2										x
Objective 2										
Strategy 2.1				x						
Strategy 2.2				x	x					
Strategy 2.3			x							
Objective 3										
Strategy 3.2						x			x	
Objective 4								x		x
Strategy 4.1								x		x
Strategy 4.2		x	x							
Objective 5					x					
Strategy 5.1					x					
Strategy 5.2						x				
Strategy 5.3					x					
Administrative Considerations										
Objective 1		x	x	x	x	x	x	x	x	x
Strategy 1.1			x							
Strategy 1.2			x	x	x	x	x	x	x	x
Strategy 1.3					x					
Objective 2										
Strategy 2.1		x	x							
Strategy 2.2		x		x		x		x		x
Objective 3										
Strategy 3.1			x							
Strategy 3.2	x	x	x							

APPENDICES

Public Input Summary:

The draft Urban Wild Acres of the St. Louis Region Area Management Plan was available for a public comment period October 1 – October 31, 2013. The Missouri Department of Conservation received comments from two respondents (Appendix A). The Urban Wild Acres Area Planning Team carefully reviewed and considered these ideas as they finalized this document. A brief summary of public input themes – including how they were incorporated or why they were not can be found below. Rather than respond to each individual comment, comments are grouped into general themes and are addressed collectively.

MDC responses to themes and issues identified through Urban Wild Acres public comment period

Suggests connecting trails at Teszars Woods Conservation Area.

The existing trail from the parking lot down to the floodplain at Teszars needs maintenance and on-going management. This item is addressed in the plan. Connecting this trail to the riverside trail that runs from Flamm City Access would not be possible since the area floods regularly.

Suggests utilizing volunteers for invasive species control and prescribed burns.

MDC welcomes help from volunteers who are interested in helping control invasive species. The Area Manager for Teszars Woods CA and other Urban Wild Acre Areas can help to identify volunteer opportunities and provide further guidance to volunteer groups.

The suggestion of utilizing an Urban Wild Acre Area for prescribed fire training is one that staff have discussed in the past. There are no areas on these properties that are currently ready for management with prescribed fire but this is a possibility in the future.

Continued support from City of Bridgeton for their maintenance of Hickory Woods Conservation Area.

The City of Bridgeton has been a tremendous partner over the years, cooperating on the improvements and management of Hickory Woods Conservation Area. MDC hopes to continue this partnership long-term so future generations will also be able to enjoy this small piece of woodland in the City of Bridgeton.

References:

The U.S. Forest Service, Urban Tree Risk Management: A Community Guide to Program Design and Implementation (NA-TP-03-03).6

Nelson, Paul. 2005. Terrestrial Natural Communities of Missouri. Missouri Natural Areas Committee.

Metropolitan St. Louis Sewer District. Phase II Stormwater Management Plan 2008- 2013.

Appendices:

Appendix A: Draft Urban Wild Acres of St. Louis Region Area Plan Public Comments

Appendix 1: Overview of All Urban Wild Acres CAs

Appendix 2: August G. Beckemeier Conservation Area Background

Appendix 3: Area Map – August G. Beckemeier CA

Appendix 4: Topographic Map – Beckemeier C

Appendix 5: Goodson (Bittersweet Woods) Conservation Area Background

Appendix 6: Area Map – Bittersweet Woods CA; Phantom Forest CA

Appendix 7: Topographic Map – Bittersweet Woods CA; Phantom Forest CA

Appendix 8: Gravois Creek Conservation Area Background

Appendix 9: Area Map – Gravois Creek CA

Appendix 10: Topographic Map – Gravois Creek CA

Appendix 11: Hickory Woods Conservation Area Background

Appendix 12: Area Map – Hickory Woods CA

Appendix 13: Topographic Map – Hickory Woods CA

Appendix 14: Phantom Forest CA Background

Appendix 15: Roger A. Klamberg Woods Conservation Area Background

Appendix 16: Area Map – Roger Klamberg Woods CA

Appendix 17: Topographic Map – Roger Klamberg Memorial Woods CA

Appendix 18: Teszars Woods Conservation Area Background

Appendix 19: Area Map – Teszars Woods CA

Appendix 20: Topographic Map – Teszars Woods CA

Appendix 21: Wild Cherry Ridge Conservation Area Background

Appendix 22: Area Map – Wild Cherry Ridge CA

Appendix 23: Topographic Map – Wild Cherry Ridge CA

Appendix A. Draft Urban Wild Acres of St. Louis Region Area Plan Public Comments

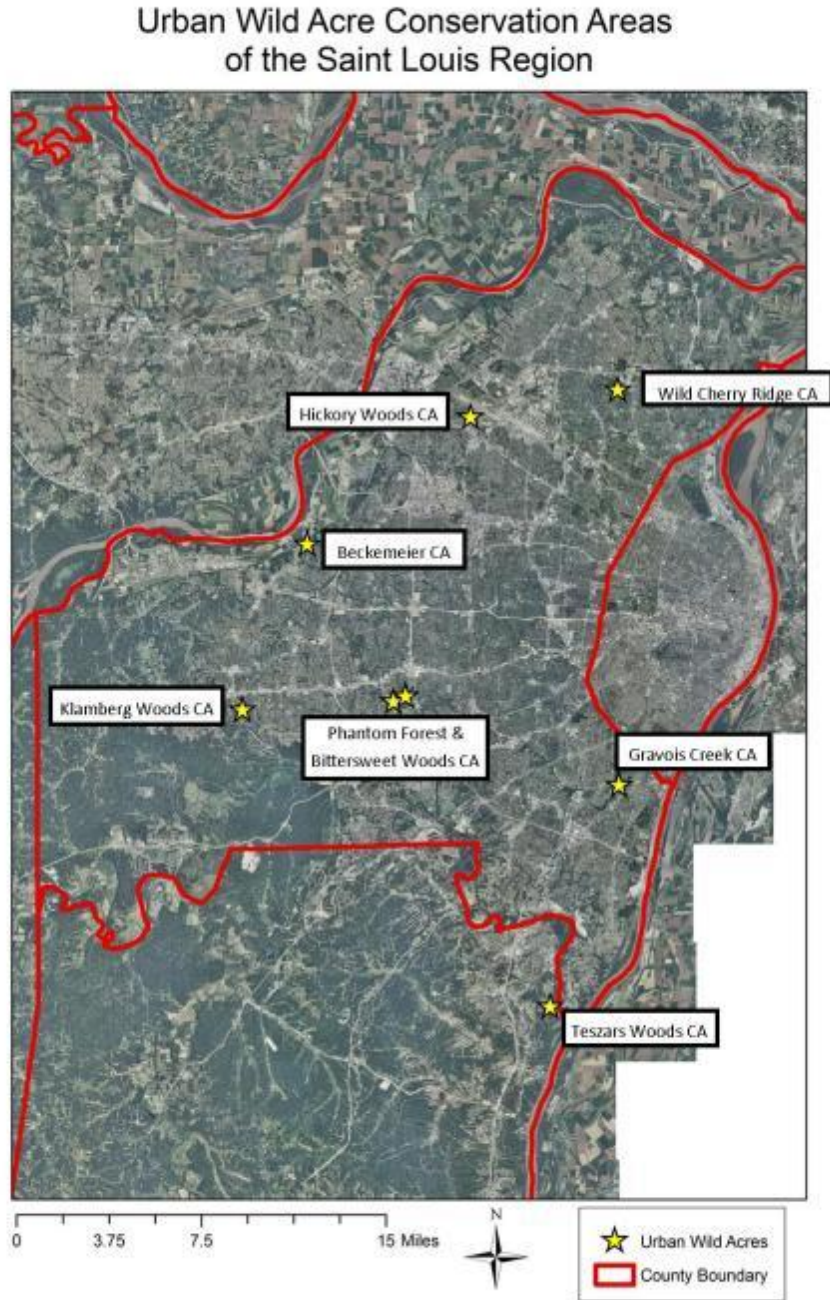
Received during public comment period (October 1-31, 2013)

I did not see anything on connecting the trails in Tszears Woods. There is a shortage of good trails in Jefferson County. Also, I think if you would get out the word and ask for volunteers you could get help eliminating invasive species from concerned citizens, maybe even have classes on prescribed fire to help on more difficult projects.

The City of Bridgeton will continue to work with MDC with the maintenance of Hickory Woods. We will continue to fight the invasive species and will work with MDC on protecting the creek.

Walt Siemsglusz, Director of Parks

Appendix 1: Overview of All Urban Wild Acres CAs



Appendix 2. August G. Beckemeier Conservation Area Background

The donation of the Beckemeier CA property was made primarily to "provide a natural greenspace for teaching...conservation, where visitors can experience the natural state of St. Louis County land before development." Primary public uses are hiking and bird watching. The property consists of about 12 acres of old pasture and about 10 acres of young forest, with the remainder comprised of timbered bluffs and steep ravines running down to the railroad easement at the base of the bluffs. Several of the ravines feature ephemeral cascades and waterfalls during rain events. A forested seep is located along a ravine at the north end of the property. One or two locations on the bluff offer wintertime views of the Missouri River bottoms.

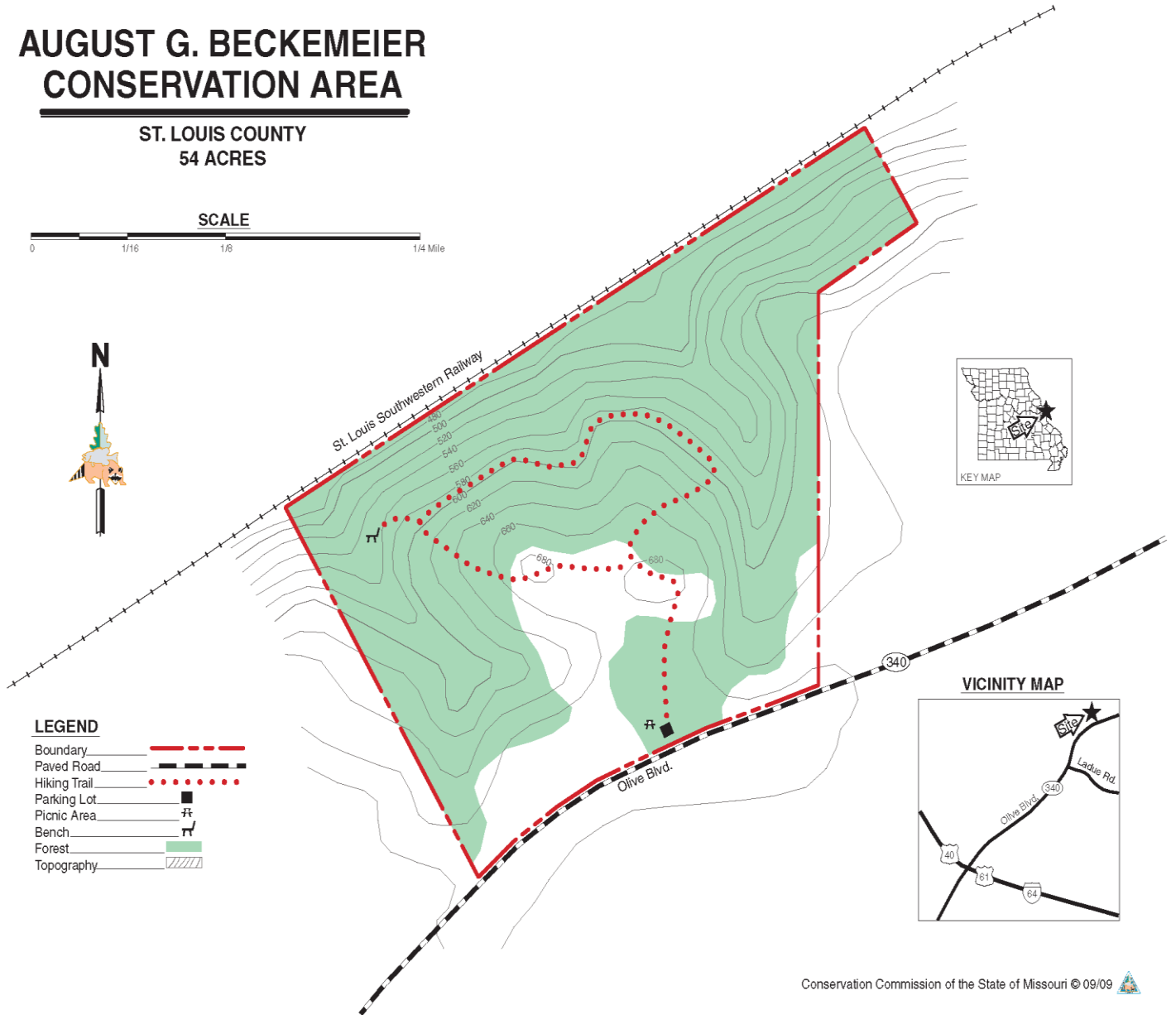
Current Land and Water Types:

Land/Water Type	Acres	% of Area
Upland Forest	24	83
Bottomland/ Riparian Forest	21	
Upland/Old Fields	9	17
Total	54	100

Appendix 3: Area Map – August G. Beckemeier CA

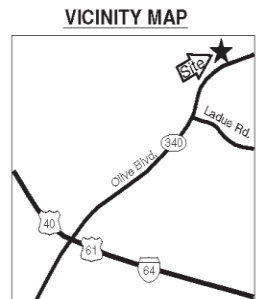
AUGUST G. BECKEMEIER CONSERVATION AREA

ST. LOUIS COUNTY
54 ACRES



LEGEND

- Boundary ————
- Paved Road ————
- Hiking Trail ————
- Parking Lot ————
- Picnic Area ————
- Bench ————
- Forest ————
- Topography ————



Appendix 4: Topographic Map – Beckemeier CA

August G. Beckemeier Conservation Area
Saint Louis County, Missouri



Appendix 5. Goodson (Bittersweet Woods) Conservation Area Background

Hiking, dog walking and bird watching are the primary public uses of the area. The area is largely forested with an overstory of mature white oaks and an understory of bush honeysuckle, creeping euonymus, etc. A wet weather creek cuts through part of the area. A maintained AmerenUE easement crosses the western corner of the property, and an MSD easement exists on the common ground between Phantom Forest and Bittersweet Woods.

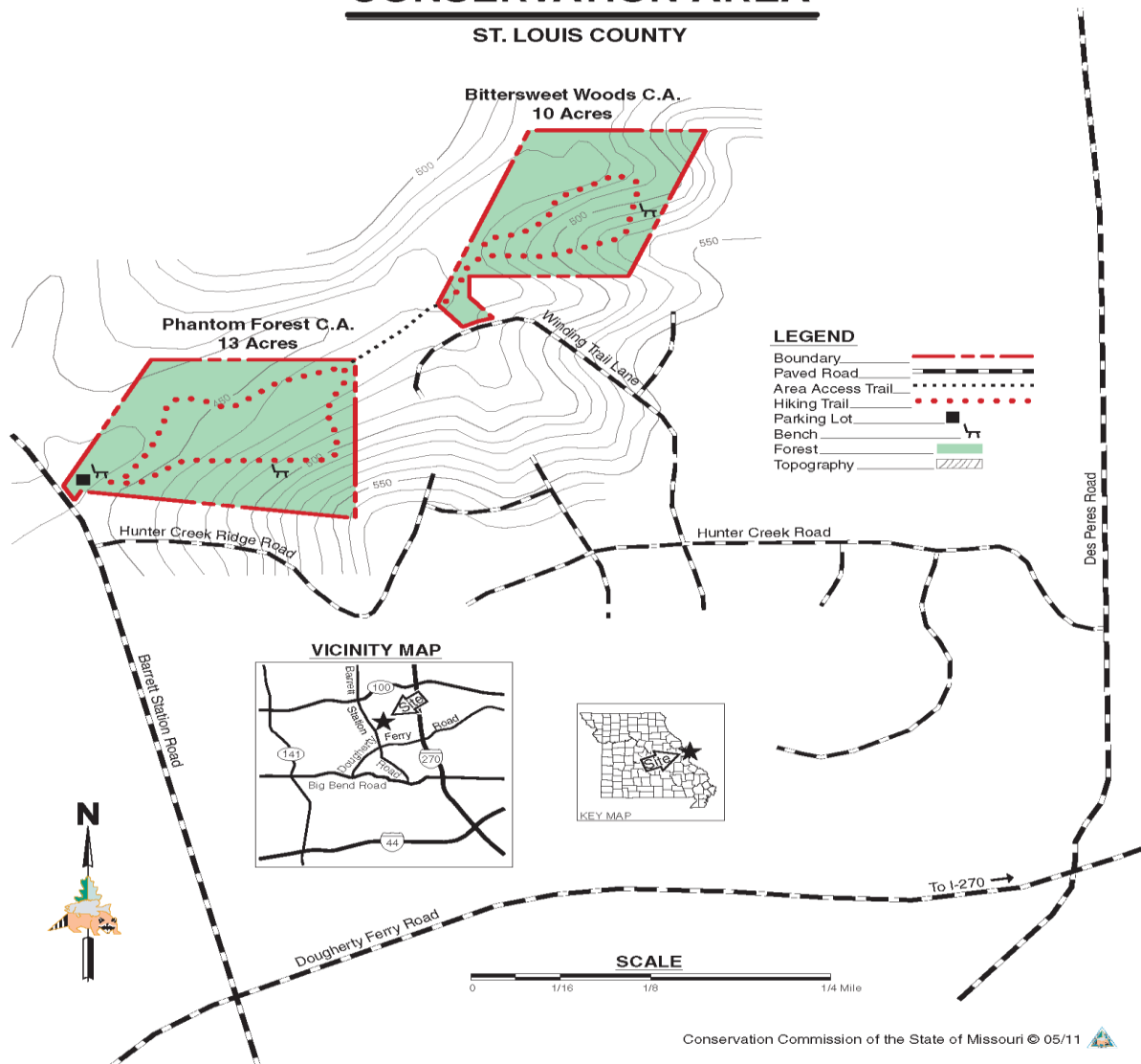
Current Land and Water Types:

Land/Water Type	Acres	Feet	% of Area
Upland Forest	7		100
Bottomland/Riparian Forest	3		
Total	10		100
Stream frontage		200	

Appendix 6: Area Map – Bittersweet Woods CA; Phantom Forest CA

PHANTOM FOREST and BITTERSWEET WOODS CONSERVATION AREA

ST. LOUIS COUNTY



Appendix 7: Topographic Map – Bittersweet Woods CA; Phantom Forest CA

**Phantom Forest and
Jean & Joan Goodson (Bittersweet Woods) Conservation Areas
Saint Louis County, Missouri**



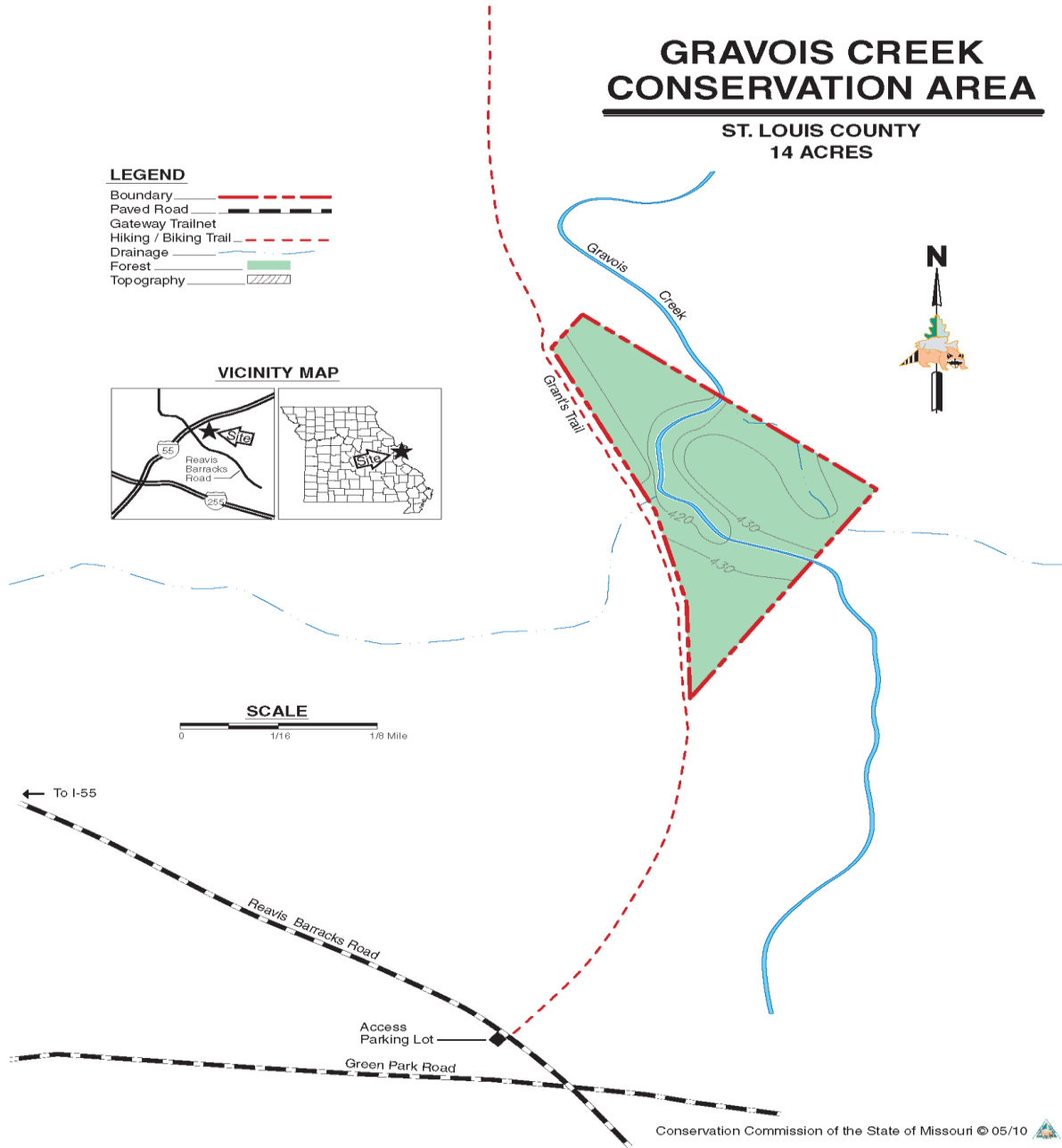
Appendix 8: Gravois Creek Conservation Area Background

There is occasional foot traffic onto the area from Grant's Trail users, but no formal trails have been designated. Gravois Creek CA is a degraded wet-mesic forest with bush honeysuckle and garlic mustard prominent and increasing in the understory. The area is bisected by an urban stream that is rapidly downcutting with increased off-site inputs from stormwater and hard-surface runoff. The area occasionally floods and frequently holds water for periods of time. Flooding by Gravois Creek regularly deposits seeds from exotics upstream of the area. There are no plans for habitat restoration because of the area's small size and the surrounding exotic plant seed reservoir. The primary objective of this area as green space sponsored by the Department is achieved.

Current Land and Water Types:

Land/Water Type	Acres	Feet	% of Area
Bottomland/ Riparian Forest	13		100
Stream frontage		1000	

Appendix 9: Area Map – Gravois Creek CA



Appendix 10: Topographic Map – Gravois Creek CA

**Gravois Creek Conservation Area
Saint Louis County, Missouri**



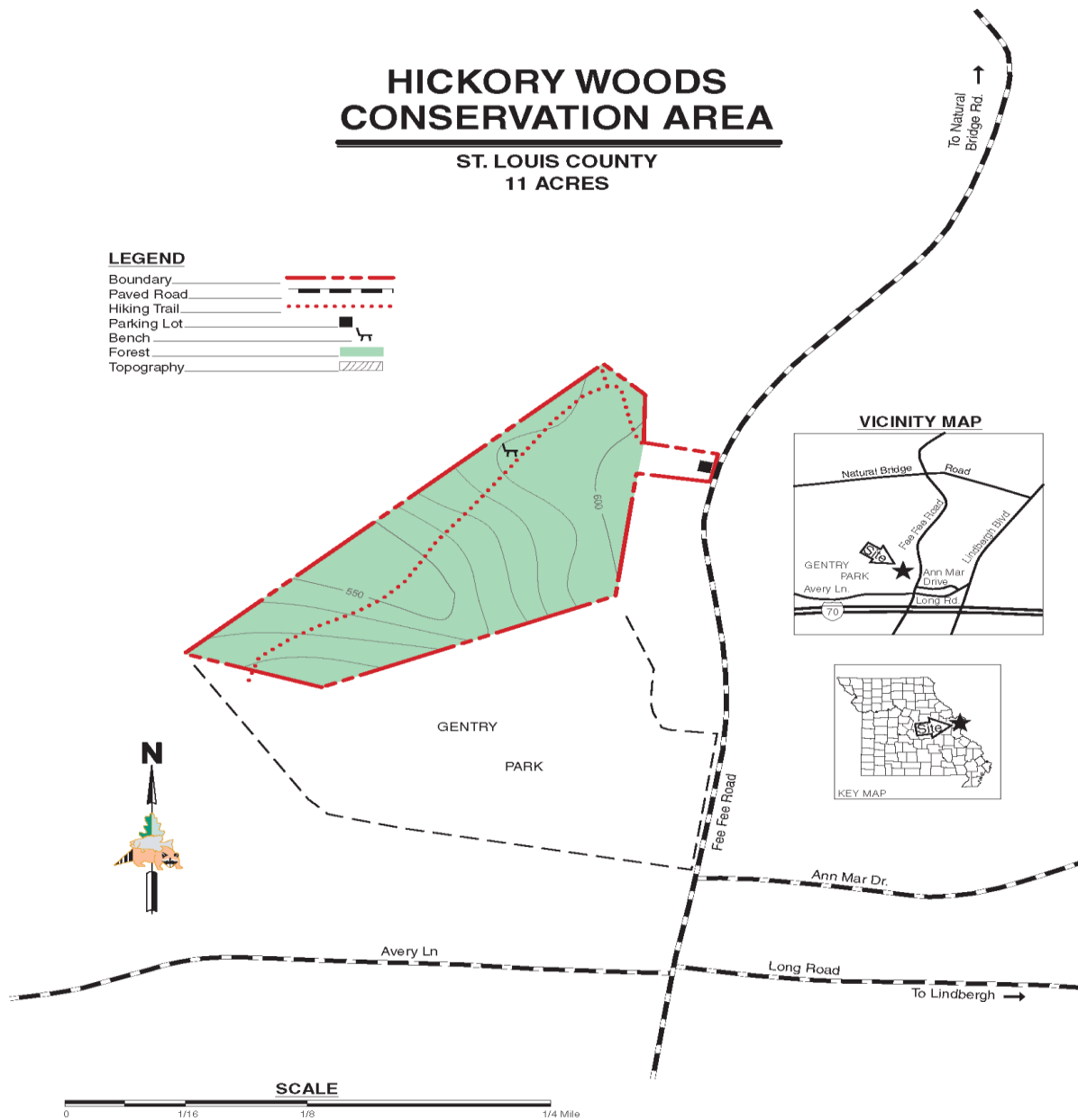
Appendix 11: Hickory Woods Conservation Area Background

Hickory Woods was purchased to conserve the last remaining piece of forested acreage in the area, and to provide recreational and aesthetic space for Bridgeton residents. It is currently leased to the City. A quarter-mile concrete, accessible walking trail traverses the area and continues in a loop (totally 1 mile) around Gentry Park. Hickory Woods is a fairly young mixed woods with a few older oaks interspersed, and bush honeysuckle, Japanese honeysuckle, garlic mustard and euonymus in the understory. Remnant patches of wildflowers characteristic of mesic forests are present.

Current Land and Water Types:

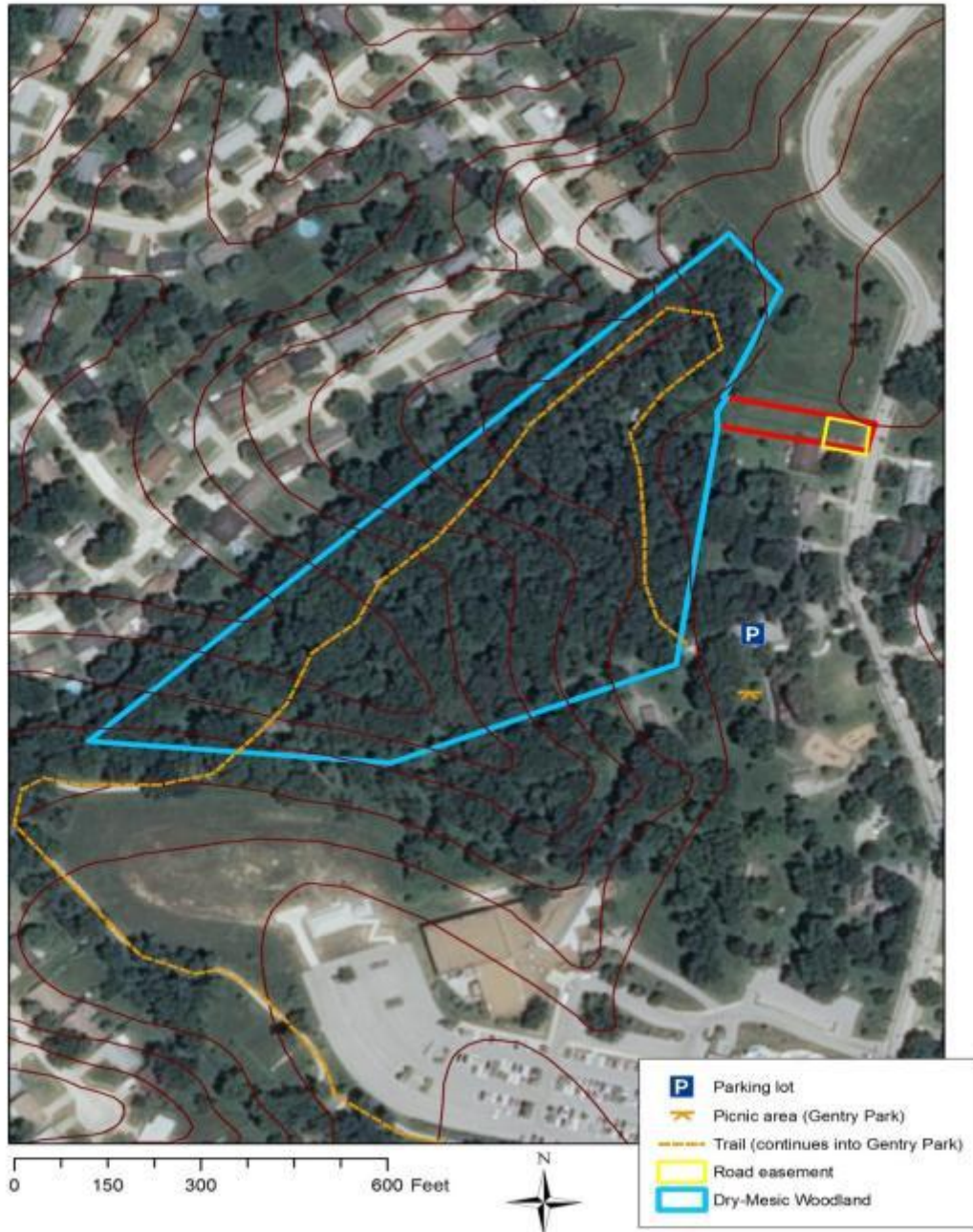
Land/Water Type	Acres	Feet	% of Area
Upland Forest	10		100
Stream frontage		300	

Appendix 12: Area Map – Hickory Woods CA



Appendix 13: Topographic Map – Hickory Woods CA

**Hickory Woods Conservation Area
Saint Louis County, Missouri**



Appendix 14: Phantom Forest CA Background

Hiking, dog walking and bird watching are primary public uses of the area. The area is largely forested with an overstory of mature white oaks and an understory of bush honeysuckle, creeping euonymus, etc. A wet weather creek cuts through part of the area. A maintained Ameren UE easement crosses the western corner of the property, and an MSD easement exists on the common ground between Phantom Forest and Bittersweet Woods.

Current Land and Water Types:

Land/Water Type	Acres	Feet	% of Area
Bottomland/Riparian Forest	7		50
Upland Forest	6		50
Total	13		100
Stream frontage		350	

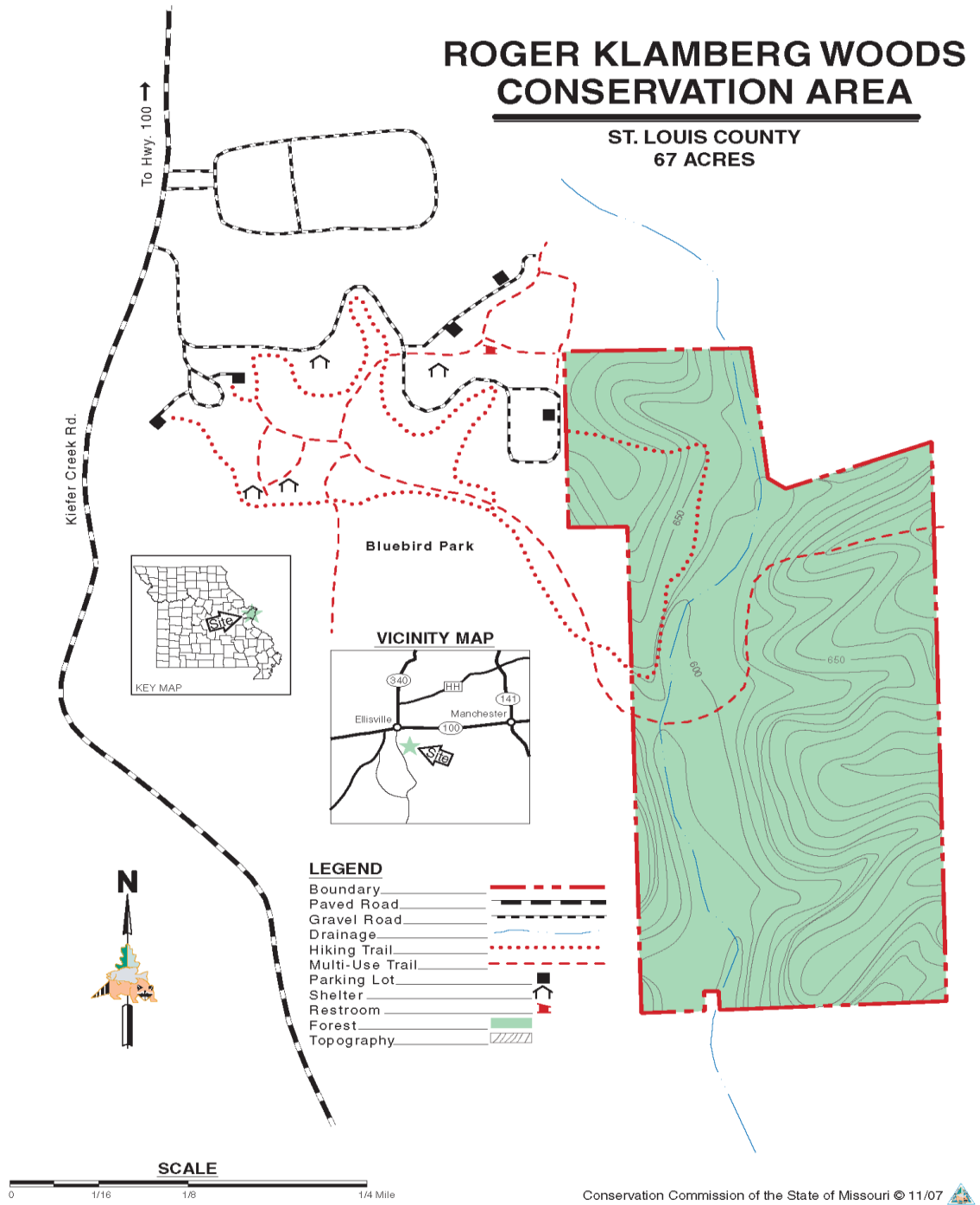
Appendix 15: Roger A. Klamberg Woods Conservation Area Background

Klamberg Woods was purchased because it represented one of the last blocks of native vegetation in the urban area, and as such could offer recreational and aesthetic opportunities for St. Louisians as well as permanent green space. A multi-use hard-surface trail was built in the late 90's from Bluebird Park through Klamberg Woods with Federal funds. Trail routing was largely done by MDC staff. The trail, Bluebird Park, and Klamberg Woods are used extensively by walkers, joggers, and frisbee golfers. Two managed archery deer hunts were held there in 2012. Most of Klamberg Woods is an upland oak-hickory woods being invaded by honeysuckle and other exotics. There is a small vertical entry cave on the property which was gated by MDC in 2009.

Current Land and Water Types:

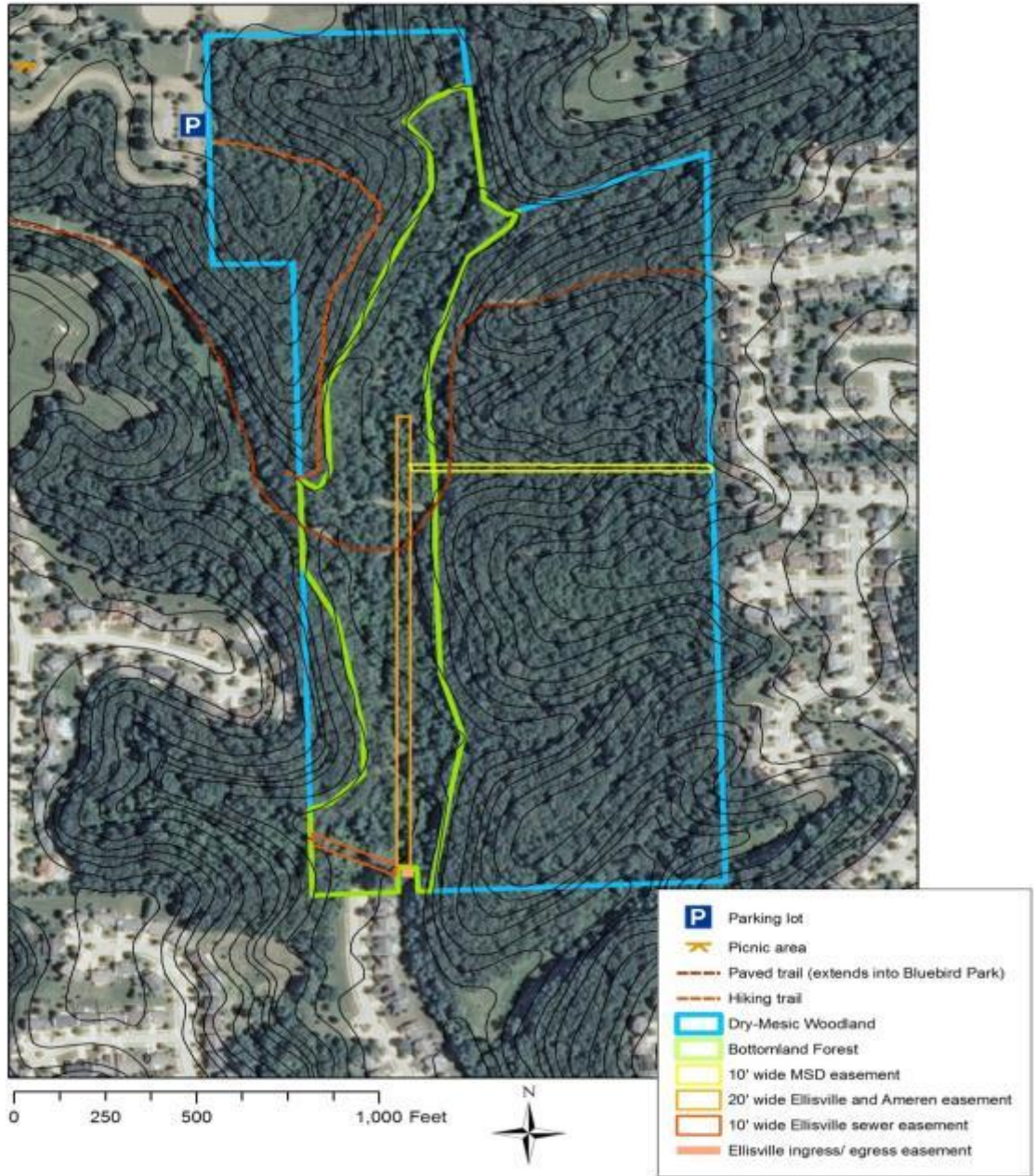
Land/Water Type	Acres	% of Area
Upland Forest	45	67%
Bottomland/ Riparian Forest	22	33%
Total	67	100%

Appendix 16: Area Map – Roger Klamberg Woods CA



Appendix 17: Topographic Map – Roger Klamberg Memorial Woods CA

Roger Klamberg Memorial Woods Conservation Area
Saint Louis County, Missouri



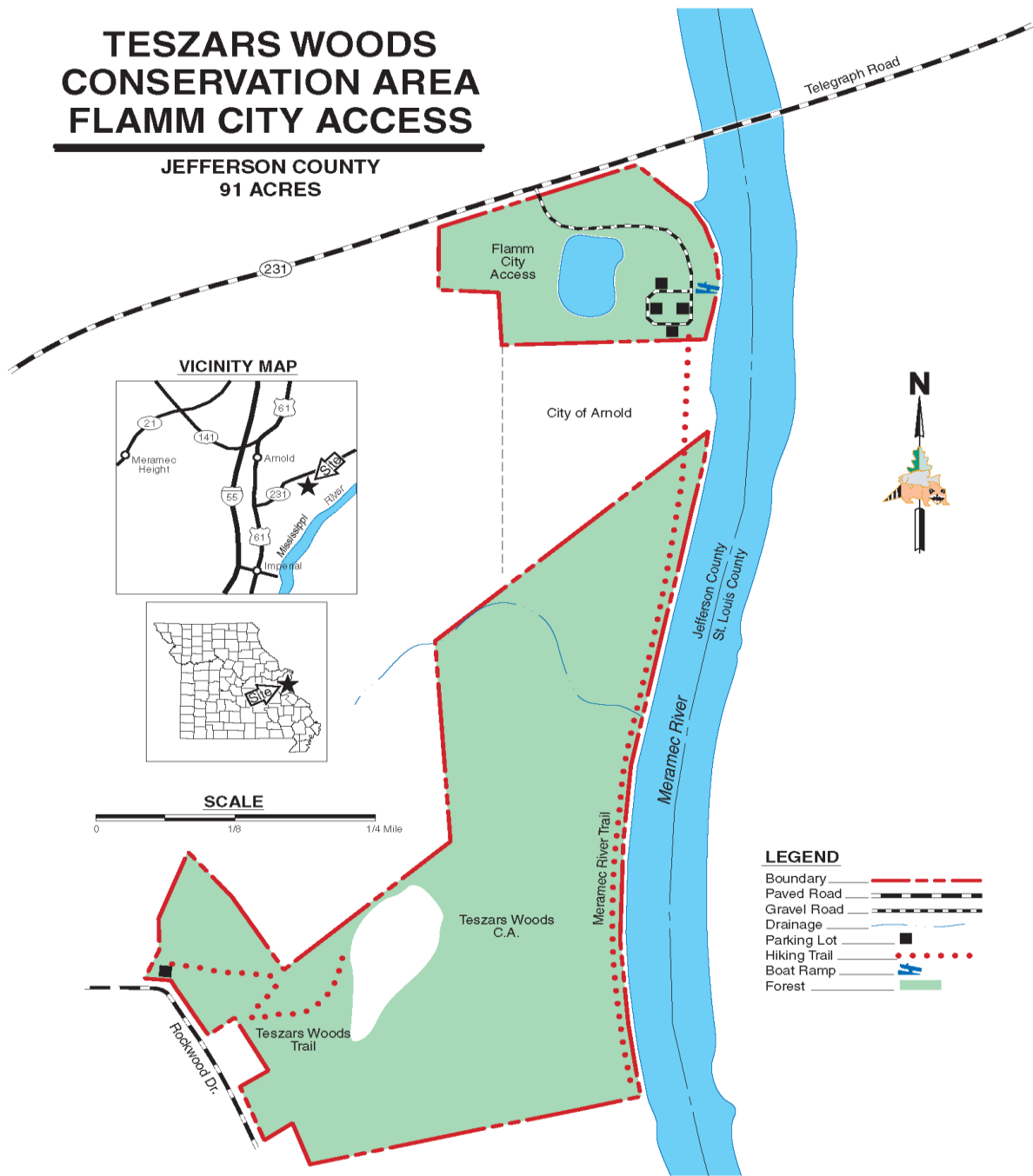
Appendix 18: Teszars Woods Conservation Area Background

The area is embedded in a fairly extensive Meramec River bottomland greenbelt which extends on both sides of the Meramec River nearly to the Mississippi River. Teszars Woods was acquired because of its regionally unique natural features: a mature bottomland forest with a shrub-swamp, including several plants at or near the northern edge of their ranges (e.g., overcup oak, water locust, swamp privet), and an unleveed connection to the river which allows wetland processes to operate relatively unimpeded by river management. A maintained trail follows the edge of the river from Flamm City and passes through Teszars Woods. A small parking lot is on top of the bluff above Teszars Woods, and a narrow, unmaintained trail drops down the bluff to the bottomland forest. The bottomland portion of the area is relatively free of exotics and remains largely "managed" by the river and associated wetland processes.

Current Land and Water Types:

Land/Water Type	Acres	Feet	% of Area
Upland Forest	30		33
Bottomland/ Riparian Forest	30		33
Wetland	30		33
Total	90		99
Stream frontage		2600	

Appendix 19: Area Map – Teszars Woods CA



Appendix 20: Topographic Map – Tetzars Woods CA

**Tetzars Woods Conservation Area
Jefferson County, Missouri**



Appendix 21: Wild Cherry Ridge Conservation Area Background

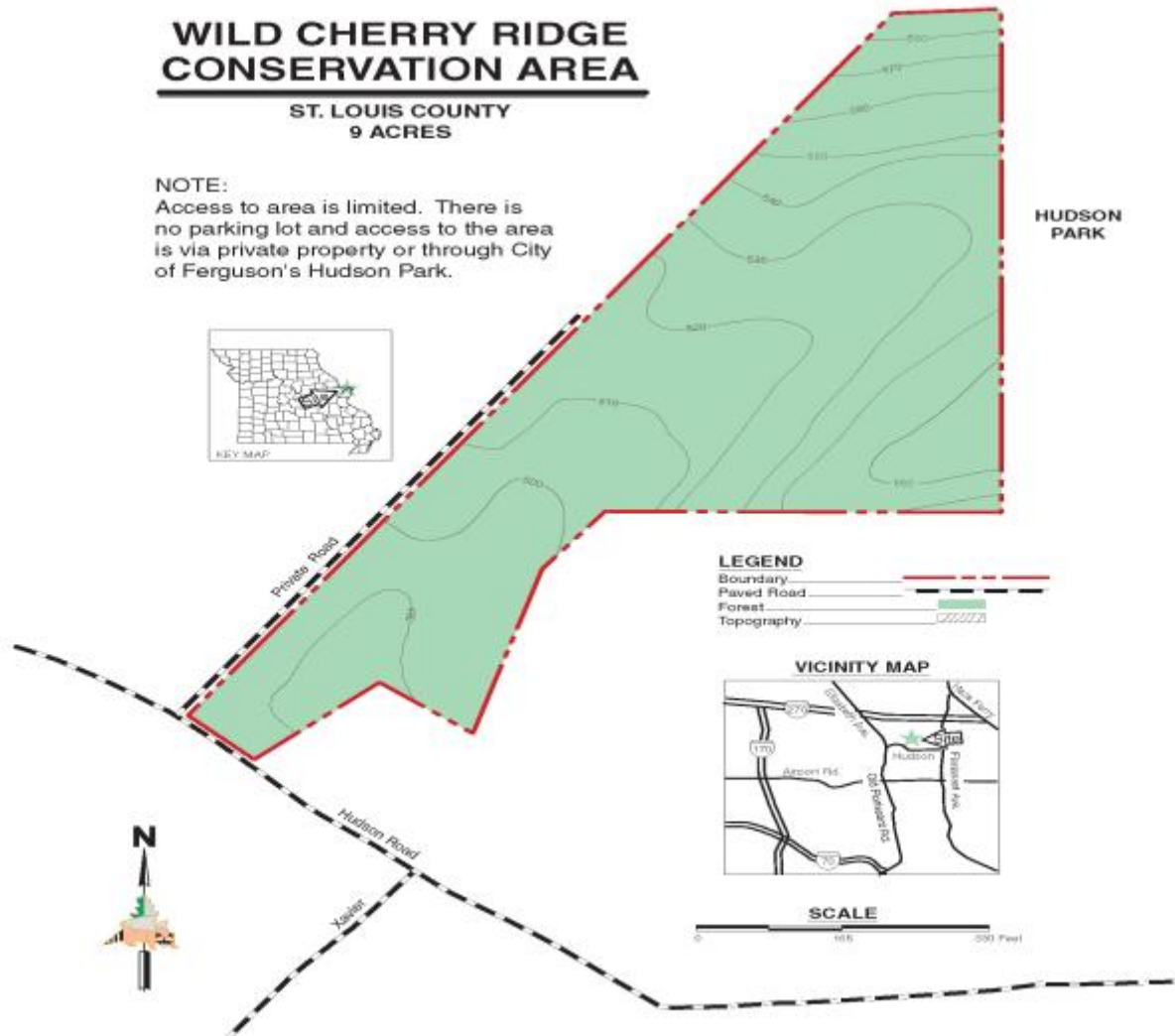
Access to the area is limited. There is no parking lot and access to the area is via private property or through the City of Ferguson's Hudson Park.

The area is not signed as an MDC property or advertised on the MDC website. Most of the property is wooded with early successional species dominating (black cherry, black oak, sassafras, etc.). Bush and Japanese honeysuckle and garlic mustard dominate the understory.

Current Land and Water Types:

Land/Water Type	Acres	% of Area
Upland Forest	9	100

Appendix 22: Area Map – Wild Cherry Ridge CA



Appendix 23: Topographic Map – Wild Cherry Ridge CA

**Wild Cherry Ridge Conservation Area
Saint Louis County, Missouri**

