



Illinois DNR
Conservation 2000 - Ecosystems Program
Project Grant Application for FY 2008

[Deadline: Wednesday, February 28, 2007]



Project Classification: Habitat

Applicant Information

Ecosystem Partnership	Kishwaukee River	DNR Project	KIP001-08
Applicant (Grantee if awarded)		Project Manager (Contact person other than Applicant)	
First Name	Thomas	First Name	
Last Name	Hartley	Last Name	
Organization	Winnebago County Forest Pres.	Organization	
Address 1	5500 Northrock Drive	Address 1	
Address 2		Address 2	
City	Rockford	City	
State	Il	State	
ZIP Code	61103	ZIP Code	
Telephone	815-877-6100	Telephone	
Fax	815-877-6124	Fax	
Email	thartley@wcfpd.org	Email	

Project Information

Project Title	Blackhawk Springs Reforestation Phase 1			
Project Location(s)	County	Township	Range	Section(s)
Project Location 1	Winnebago	43N	2E	15
Landowner(s)	Approval?	Landowner Name	Landowner Type	Location #s
Landowner 7	Yes	Winnebago County Forest Preserve	local government	T43N,R2E, Sec. 15

Project Abstract

This project is the restoration of property to its indigenous status as dry oak forest.

Signatures

Application was filed and signed electronically on 2/21/2007

Project Description

The proposed 40 acre restoration is in the northeast portion of Blackhawk Springs Forest Preserve located in Cherry Valley, Illinois. The property was cropland when purchased by the Forest Preserve in 1978. Since that time the property has been left alone resulting in the growth of undesirable woody plants. The Forest Preserve seeks to remove the undesirable plants and reforest the property to its pre-agricultural status as a dry oak forest. The proposed restoration is the first phase of a two phased project. When both phases are complete the result will be a 82 acre upland forest. The restoration will connect with a 65 acre existing forest to the west and a 19 acre planted forest (estimated planting 1940's) to the east to create a 175 acre upland forest. The remnant forest to the west can be used as a restoration model. The restoration will provide habitat for Baltimore Orioles, Brown Thrasher, and Wood Thrush listed on the Kishwaukee Watershed Strategic Plan for Conservation as well as for the

Red Headed Woodpecker listed on both the Kishwaukee River Strategic Plan and the Illinois Wildlife Action Plan as a priority bird species.

The process proposed for the restoration is to tag the few desirable species in the restoration and remove the remainder of the vegetation and burn on site. The method of tree removal is undecided but would be publicly bid. One method is to use a tree shear or other removal machinery and cut trees flush to the ground. Garlon is then applied or broadcast to the remaining stumps to kill the roots. An alternative method is to remove trees with a bulldozer, root structure and all. Overall cost and site disruption will be a deciding factor but the Forest Preserve will use whichever method is approved by IDNR staff. At present the tree shear method is preferred by Brad Semel, Heritage Biologist for the area. After the vegetation is cleared, the site will be planted with a simple native grass mixture to control weeds. Tree plantings will include White, Red, and Bur Oak, Shag Bark Hickory, Ironwood, and White Ash and associated shrub understory. In an effort to speed reforestation, it is proposed that 200 1"-2" balled and burlap trees be planted as well as smaller bare root seedlings and containerized trees. The balled & burlap trees would be purchased and installed with contract labor and have a one year guarantee attached to them. The Forest Preserve District will purchase and install the bare root and containerized plants over two seasons and will probably continue to add plants after the time limit of this grant proposal has expired. C-2000 funds will be used to pay seasonal help to water and maintain trees during the first two growing seasons.

Desired Start Date	February 1, 2008	End Date	October 31, 2009
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Partnership Goals	[up to 3 goals]
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Goal 1:	Connect upland forest to reduce fragmentation
Goal 2:	Increase habitat for target wildlife species
Goal 3:	

Program Guidance	[Please select one or more of the following that your proposal is designed to address]	
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<input type="checkbox"/> High Quality Natural Resources	<input checked="" type="checkbox"/> Minimum functional Habitat Areas; Species, Guilds; Habitat Diversity	<input type="checkbox"/> Buffer to Protect Sensitive Habitats
<input checked="" type="checkbox"/> Connect Habitat Areas	<input checked="" type="checkbox"/> Ecosystem-Based Best Management Practices	<input type="checkbox"/> Restore and Naturalize Hydrologic Functions
<input type="checkbox"/> Complementary Educational Strategies	<input type="checkbox"/> Research and Monitoring Integration	<input type="checkbox"/> Local, State and Federal Program Integration

Quarterly Tasks

Quarterly Reporting Period	Task Description for Quarter
January 1 - March 31, 2008	Select desired veg. to save and remove undesirable vegetation, treat stumps with growth inhibitor and burn cut vegetation
April 1 - June 30, 2008	apply roundup to open field, plant native grasses, plant trees
July 1 - September 30, 2008	water trees and mow around trees as needed

October 1 - December 31, 2008	last watering, replace dead trees
January 1 - March 31, 2009	
April 1 - June 30, 2009	water trees, plant tree seedlings
July 1 - September 30, 2009	water trees
October 1 - December 31, 2009	project completed
January 1 - March 31, 2010	

Anticipated Results [fill in as many as apply]

Habitat Restored and Number of Sites Monitored							Soil Saved (Tons/ Acre/ Year)
	Wetland (Acres)	Prairie (Acres)	Forest (Acres)	Streams (Feet)	Lakes (Acres)	Riparian (Acres)	
Habitat Restoration	0	0	40	0	0	0	0
Sites Monitored	0	0	0	0	0	0	0

	Teachers Trained	Students Educated	Volunteers Enlisted	Citizens Contacted
Number of People	0	0	0	0

Land Acquisition Will the project involve acquisition of land?

No Yes → Choose Fee Simple Acquisition Permanent Easement 30-Year Easement

Does there exist legal access for ingress/egress to the parcel to be acquired fee simple or be encumbered by a conservation easement?

Yes No → Please explain

Are there any pre-existing real estate purchase agreements encumbering the property?

No Yes → Please explain

Has the property been encumbered by a federal or state program?

No Yes → Please explain

Is there drain tiling?

No Yes → If "Yes", will it be destroyed/removed? No Yes Don't know

Have all landowners been informed of this proposed project?

No Yes → Please explain

Land Disturbance Activities Will there be land disturbance?

No Yes → Show the access route on the site map and indicate if it is an existing route (choose 1):

- dirt road gravel road paved road not existing route

Will the land disturbance involve heavy equipment?

No Yes → What type(s) of equipment?
probable skid steer with tree shear attachment

Will it involve tree removal?

No Yes → Describe the dominant tree cover, and number and average size (d.b.h) of trees being removed .

Boxelder, Cherry, Honeysuckle size from 1

Will there be in-stream construction?

No Yes → Estimate duration and season of channel disturbance .

Will there be designated borrow and deposition sites for soil?

No Yes → Describe locations.

Will wetland or water retention structures be constructed?

No Yes → Detail depth of excavation and estimated water depth [10 words = 50 characters] and show proposed structures clearly on map.

Budget Information

Personnel

Name or Position Title	Hourly Rate (\$)	Hours Worked	Total \$ Amount
long seasonal worker	\$10.00	1000	\$10,000.00
Resource technician	\$25.00	40	\$1,000.00
Total, Personnel [enter in Budget Summary, Project Total column]			\$11,000.00

Commodities

Description	Quantity	Units	Price per Item (\$)	Total \$ Amount
Tree wattering bag (Treegator)	200	items	\$25.00	\$5,000.00
Garlon	180	gallons	\$85.00	\$15,300.00
5 gal. potted trees	200	items	\$10.00	\$2,000.00
prairie seed	300	pounds	\$10.00	\$3,000.00
Total, Commodities [enter in Budget Summary, Project Total column]				\$25,300.00

Contractual

Contractor/Vendor Name	Category (see instructions)	Total \$ Amount
tree planting	Other	\$40,000.00

Vegetation Removal	Invasives	\$80,000.00
Total, Contractual Services [enter in Budget Summary, Project Total column]		\$120,000.00

Total Budget [enter in Budget Summary, Project total column]	\$156,300.00
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Budget Summary			
Budget Category	Project Total	C-2000 Funds Requested	Matching Funds
Personnel	\$11,000.00	\$10,000.00	\$1,000.00
Equipment	\$0.00	\$0.00	\$0.00
Commodities	\$25,300.00	\$0.00	\$25,300.00
Contractual Services	\$120,000.00	\$68,150.00	\$51,850.00
Acquisition/Easement	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$156,300.00	\$78,150.00	\$78,150.00

Source(s) of Matching Funds	Itemize by source
Winnebago County Forest Preserve District	\$78,150.00
Total Match	\$78,150.00