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**Illinois DNR**  
**Conservation 2000 - Ecosystems Program**  
**Project Grant Application for FY 2007**



Deadlines:  
online version: Wednesday, February 28, 2007  
paper version: Wednesday, January 31, 2007

**Project Classification** [leave blank]: **HBT PLG RSH O/E RE LA/E**

**Ecosystem Partnership:** Upper Rock River

**DNR Project #** URR001-08

Applicant Information

Applicant (Grantee if awarded)		Project Manager (Contact Person other than Applicant)	
<b>Prefix</b>	Mr.	<b>Prefix</b>	Mr.
<b>First Name</b>	Jerry	<b>First Name</b>	Andrew
<b>Last Name</b>	Paulson	<b>Last Name</b>	Bacon
<b>Title</b>	Executive Director	<b>Title</b>	Stewardship Director
<b>Organization</b>	Natural Land Institute	<b>Organization</b>	Natural Land Institute
<b>Address1</b>	320 South Third Street	<b>Address1</b>	320 South Third Street
<b>Address2</b>		<b>Address2</b>	
<b>City</b>	Rockford	<b>City</b>	Rockford
<b>State</b>	IL	<b>State</b>	IL
<b>ZIP Code</b>	61104	<b>ZIP Code</b>	61104
<b>Telephone</b>	815-964-6666	<b>Telephone</b>	815-964-6666
<b>Fax</b>	815-964-6661	<b>Fax</b>	815-964-6666
<b>Email</b>	paulsonjerry@aol.com	<b>Email</b>	andrewdbacon@aol.com

Project Information

<b>Project Title:</b>	Kinnikinnick Creek Savanna Restoration			
<b>Project Location(s)</b>	<b>County</b>	<b>Township</b>	<b>Range</b>	<b>Section(s)</b>
<b>Project Location 1</b>	Winnebago			
<b>Project Location 2</b>	Winnebago			
<b>Landowner(s)</b>	<b>Approval</b>	<b>Name</b>	<b>Type</b>	<b>Location #s</b>
<b>Landowner 1</b>		Natural Land Institute	not for profit organization	1 & 2

Project Abstract

The project will restore 52 acres of agricultural land along the south Kinnikinnick Creek to savanna, increasing habitat for priority wildlife species and protecting a biologically significant stream. An onsite prairie remnant will have invasive woody growth removed. The project will incorporate an educational planting festival for local youths.

Project Description

The project will restore 52 acres of cropland and degraded wetland along the Kinikinnick Creek that is surrounded by numerous natural and cultural features. The northwest corner of the property contains a prairie remnant bordering the Stone Bridge Nature Trail, owned by Roscoe Township. The Stone Bridge Trail contains numerous prairie remnants, protected by a land and water reserve easement held by the INPC, and by a conservation easement held by the Natural Land Institute. The prairie remnant on the northwest edge of the property adjoins a 21-acre prairie and wetland restoration project completed in 2005 with IDNR C2000 grant funds. This 21 acre remnant contains state threatened Besseyia bullii and other rare species of plants. The Burr Oak Road Prairie, an INAI site and one of the last prairie remnants containing federally threatened Lespedeza leptostachya is located directly west of the trail, north of the creek. The property also borders the Stone Bridge, a railroad bridge listed on the National Register of Historic Places. The northern border of the project site follows the south branch of the Kinnikinnick Creek, which is listed as a "Biologically Significant Stream" by Illinois DNR. The high water quality of the creek currently supports reproducing populations of brown trout and many other conservation priority fishes. The savanna restoration will connect two prairie remnants located along the Stone Bridge Trail and separated by over one half mile. Restoration of the farmland will provide habitat for conservation priority wildlife species and significantly increase the functional habitat size of the complex. To implement the project staff and volunteers will complete tree and brush removal in the prairie remnant, and remove trees in the tree line bisecting the agricultural fields. Care will be taken to minimize soil disturbance in areas with prairie vegetation or with the likelihood of a viable seed bank. Seed collected by volunteers will be spread where woody growth is removed. The agricultural fields will remain in farming and be planted in soybeans until NLI is prepared to seed the area. Acorns and hickory nuts will be collected by local youths and spread across the field at a seeding festival in the fall. Once the tree seed has been spread, it will be rolled into the ground. All tree seed will be savanna species adapted to fire. Following the festival a local genotype prairie seed mix along with a cover crop will be no-till drilled into the field. The seed mix will be acquired through a bid process from commercial vendors and a portion will be provided by NLI. The following year the seeded acreage will be mowed a minimum of two times at a height of 6-10" to suppress weedy growth and allow sunlight to the prairie seedlings. Care will be taken to avoid mowing germinating trees. Spot spraying will be conducted to deter invasive species during the first year. Project benefits include buffering the prairie and creek.

Start Date: 11/1/2007

End Date: 12/31/2009

Submit Date: 2/23/2007

Partnership Goals

<b>Goal 1:</b>	Protect floodplain and hydrologic function of the Rock River and its tributaries
<b>Goal 2:</b>	Protect and restore natural habitat for plants and animals

Program Guidance

<input checked="" type="checkbox"/> High Quality Natural Resources	<input checked="" type="checkbox"/> Minimum functional Habitat Areas; Species, Guilds; Habitat Diversity	<input checked="" 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 checked="" 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
*Jan 1 - Mar 31, 2008:	Begin tree and brush removal, prepare preliminary project report
*Apr 1 - Jun 30, 2008:	Burn prairie remnant, prepare seed bids, and secure seed mix.
*Jul 1 - Sep 30, 2008:	Begin volunteer seed collection, advertise & organize educational program, and begin collecting acorns and hickory nuts
*Oct 1 - Dec 31, 2008:	Complete seed collection by volunteers and youth groups, organize seeding festival, spread acorns with youth groups, roll acorns into field, no-till drill seed mix into field.
*Jan 1 - Mar 31, 2009:	Complete tree and brush removal and install necessary fencing to prohibit ATVs
*Apr 1 - Jun 30, 2009:	Mow restoration area to suppress weedy growth in early June
*Jul 1 - Sep 30, 2009:	Mow restoration area to suppress weedy growth in August and spot spray invasive species in July.
*Oct 1 - Dec 31, 2009:	Complete final project report
*Jan 1 - Mar 31, 2010:	Turn in final project report
Specify Period	

Anticipated Results

	Wetland (acres)	Prairie (acres)	Forest (acres)	Stream (feet)	Lakes (acres)	Riparian (acres)	Soil Saved (tons/acre/year)
Habitat Restoration		46				6	
Sites Monitored							

  

	Teachers Trained	Students Educated	Volunteers Enlisted	Citizens Contacted or Affected
People		75	50	250

Land Acquisition

**Will C2000 funds be used for acquisition of land? If "yes", specify type of Acquisition:**  
 No  Yes  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 to be encumbered by a conservation easement? If "no", please explain:**  
 No  Yes

**Are there any pre-existing real estate purchase agreements encumbering the property? If "yes", please explain:**  
 No  Yes

**Has the property been encumbered by a federal or state program? If "yes", please explain:**  
 No  Yes

**Is there drain tiling? If "Yes", will it be destroyed/removed?**  
 No  Yes  Yes  No  Don't know

**Have landowners been contacted about this proposed project? If "no", please explain:**  
 No  Yes

Land Disturbance

**Will there be land disturbance? If "yes", show the access route on the site map and indicate if it is an existing route (choose one):**  
 No  Yes  dirt road  gravel road  paved road  no existing route

**Will the land disturbance involve heavy equipment? If "yes", list types of equipment:**  
 No  Yes A tractor with a seed drill, roller, and mower will be used in the project

**Will it involve tree removal? If "yes", describe the dominant tree cover, and number and average size (d.b.h) of trees being removed:**  
 No  Yes Dominant trees are siberian elm & box elder, with shrubs being honeysuckle & buckthorn. < 10"dbh

**Will there be in-stream construction? If "yes", estimate duration and season of channel disturbance:**  
 No  Yes

**Will there be designated borrow and deposition sites for soil? If "yes", describe locations:**  
 No  Yes

**Will wetland or water retention structures be constructed? If "yes", detail depth of excavation and estimated water depth [10 words = 50 characters] and show proposed structures clearly on map:**  
 No  Yes

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 Budget Information

Personnel			
Name or Position Title	Hourly Rate (\$)	Hours Worked	Total \$ Amount
Project manager	\$20.00	300	\$6,000.00
General worker	\$13.00	200	\$2,600.00
grant administrator	\$13.00	25	\$325.00
Total, Personnel:			<b>\$8,925.00</b>

Equipment			
Description	Quantity	Price per item (\$)	Total \$ Amount
Days of Tractor & seed drill use	2	\$250.00	\$500.00
Days of Tractor & roller use	2	\$100.00	\$200.00
Days of sprayer use	1	\$100.00	\$100.00
Months of chainsaw use	2	\$500.00	\$1,000.00
Total, Equipment:			<b>\$1,800.00</b>

Commodity				
Description	Quantity	Units	Price per item (\$)	Total \$ Amount
Native prairie seed mix	45	acres	\$2,500.00	\$112,500.00
Cover crop	45	acres	\$5.00	\$225.00
Gate and fencing	1	items	\$1,000.00	\$1,000.00
Herbicide	10	gallons	\$75.00	\$750.00
Total, Commodities:				<b>\$114,475.00</b>

Contractual			
Description	Category	Other	Total \$ Amount
Mow restoration area two times	Heavy Equipment		\$2,250.00
Total, Contractual Services:			<b>\$2,250.00</b>

Land Acquisition				
Description	Total Acres	Cost Per Acre	Other Costs	Total \$ Amount
Total, Land Acquisition:				<b>\$0.00</b>

Other			
Description			Total \$ Amount
Youth seeding festival costs (tent, portajon, refreshments, supplies, etc.)			\$2,000.00
Total, Other:			<b>\$2,000.00</b>
<b>Total Budget:</b>			<b>\$129,450.00</b>

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 Budget Summary

	Project Total	C2000 Funds Requested	Matching Funds
Personnel	\$8,925.00	\$0.00	\$8,925.00
Equipment	\$1,800.00	\$0.00	\$1,800.00
Commodities	\$114,475.00	\$76,925.00	\$37,550.00
Contractual Services	\$2,250.00	\$2,250.00	\$0.00
Acquisition/Easement	\$0.00	\$0.00	\$0.00
Other	\$2,000.00	\$2,000.00	\$0.00
<b>Total</b>	<b>\$129,450.00</b>	<b>\$81,175.00</b>	<b>\$48,275.00</b>

Source(s) of Matching Funds

Source(s):	Amount:
Natural Land Institute	\$48,275.00
Total Match:	<b>\$48,275.00</b>



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