



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

[Deadline: Wednesday, February 28, 2007]



Project Classification: Research

Applicant Information

Ecosystem Partnership	Kishwaukee River	DNR Project	KIP006-08
Applicant (Grantee if awarded)		Project Manager (Contact person other than Applicant)	
First Name	Ders	First Name	
Last Name	Anderson	Last Name	
Organization	Openlands	Organization	
Address 1	25 E. Washington #1650	Address 1	
Address 2		Address 2	
City	Chicago	City	
State	Il	State	
ZIP Code	60602	ZIP Code	
Telephone	312-863-6252	Telephone	
Fax	312-427-6251	Fax	
Email	danderson@openlands.org	Email	

Project Information

Project Title Fish, crayfish, herps, and mussel inventory updates @ Kishwaukee Priority Sub-Watersheds

Project Location(s)	County	Township	Range	Section(s)
Project Location 1	Boone			
Project Location 2	McHenry			
Project Location 3	DeKalb			

Landowner(s)	Approval?	Landowner Name	Landowner Type	Location #s
Landowner 3	Yes	McHenry County Conservation District	local government	McHenry
Landowner 3	Yes	additional sites as determined by KREP advisory committee	partnership-wide	Boone, DeKalb, McHenry

Project Abstract

Nine sub-watersheds of the Kishwaukee River basin, which are especially prone to suburbanization, have been identified by the partnership as needing up-to-date biotic inventories in order to effectively assess and recommend habitat protection strategies to municipal and county governmental bodies and the developments which they are reviewing.

Signatures

Application was filed and signed electronically on 2/28/2007

Project Description

In preparing its Strategic Plan for Habitat Conservation and Restoration 2006 (Strategic Plan) the Kishwaukee River Ecosystem Partnership (KREP) identified 42 subwatershed units for which individual Subwatershed Plans plans were

also prepared.

McHenry, Boone, and De Kalb Counties are undergoing significant growth in a significant number of these sub-watersheds. Most of these same sub-watersheds have either no biotic surveys in place, or have information exceeding 10-20 years of age. One of the 6 primary objectives identified by the KREP Board in its Strategic Plan was to "Increase the amount of biological information available to decision-makers."

Suburbanization east of the Fox River has resulted in a significant loss of habitat structure and species diversity. Similar subdivision design and land development patterns are becoming increasingly common in the Kishwaukee watershed. Alternatively, some local governments and developers are pursuing conservation design strategies. Yet lack of current baseline biotic data prevents KREP, IDNR and INHS biologists, and policy makers from understanding what planning and design techniques have positive impacts on habitat and biodiversity, and which ones don't.

Lawrence Creek, Franklinville Creek, Upper Kishwaukee River, North Branch Kishwaukee River, Kishwaukee Creek, South Branch Kishwaukee River(East), Central South Branch Kishwaukee River, Upper Beaver Creek, and Lower Beaver Creek would have faunal surveys accomplished to identify fish, mussels, crayfish, and herps. The inventories would be accomplished by consultants, Northern Illinois University, and citizen volunteers. IDNR and INHS staff will be invited to participate, and if available, would expand the scope and comprehensiveness of the survey, but are not included in this project description.

The results of the inventories would be made available on KREP's web site, and be sent to local governmental staff and elected officials to guide future land development decisions.

Desired Start Date	February 15, 2008	End Date	March 31, 2009
---------------------------	-------------------	-----------------	----------------

Partnership Goals	[up to 3 goals]
--------------------------	-----------------

Goal 1:	Promote Restoration, Management and Long-Term Protection for Stream Corridors
Goal 2:	Encourage Communities to Require Conservation Development Practices that Protect the Ecological Integrity of the Watershed
Goal 3:	Maintain, Expand and Distribute Watershed Database

Program Guidance	[Please select one or more of the following that your proposal is designed to address]		
-------------------------	--	--	--

<input checked="" 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 checked="" type="checkbox"/> Complementary Educational Strategies	<input checked="" type="checkbox"/> Research and Monitoring Integration	<input checked="" type="checkbox"/> Local, State and Federal Program Integration

Quarterly Tasks

Quarterly Reporting Period	Task Description for Quarter
January 1 - March 31, 2008	KREP Project Advisory Committee contracts with Consultants and Northern Illinois University

April 1 - June 30, 2008	KREP Project Committee, contractors, and volunteers coordinate location of inventory sites; contact property owners; start inventories
July 1 - September 30, 2008	inventories
October 1 - December 31, 2008	preparation of reports
January 1 - March 31, 2009	preparation of reports; posting of reports on KREP website; distribution of data to local governments
April 1 - June 30, 2009	
July 1 - September 30, 2009	
October 1 - December 31, 2009	
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	0	0	0	0	0
Sites Monitored	20	0	0	35	0	0	0

Number of People	Teachers Trained	Students Educated	Volunteers Enlisted	Citizens Contacted
	0	4	20	100

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?
- Will it involve tree removal?
- No Yes → Describe the dominant tree cover, and number and average size (d.b.h) of trees being removed .
- 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
Associate Greenways Director	\$40.00	40	\$1,600.00
McHenry County Conservation Dist staff	\$22.00	728	\$16,016.00
Openlands Project Manager	\$50.00	180	\$9,000.00
volunteers	\$10.00	160	\$1,600.00
Total, Personnel [enter in Budget Summary, Project Total column]			\$28,216.00

Contractual

Contractor/Vendor Name	Category (see instructions)	Total \$ Amount
Crayfish contractor #5, incl. support staff	Other	\$8,400.00
Herps contractor #4, incl. support staff	Other	\$8,400.00
Mussel contractor #3, incl. support staff	Other	\$8,400.00
Mussel contractor #2, incl. support staff	Other	\$16,800.00
Fish contractor #1, incl. support staff	Other	\$18,900.00

Total, Contractual Services [enter in Budget Summary, Project Total column]	\$60,900.00
--	--------------------

Other

Description	Total \$ Amount
Mileage for contractors	\$3,800.00
Total, Other [enter in Budget Summary, Project Total column]	\$3,800.00

Total Budget [enter in Budget Summary, Project total column]	\$92,916.00
---	--------------------

Budget Summary

Budget Category	Project Total	C-2000 Funds Requested	Matching Funds
Personnel	\$28,216.00	\$3,500.00	\$24,716.00
Equipment	\$0.00	\$0.00	\$0.00
Commodities	\$0.00	\$0.00	\$0.00
Contractual Services	\$60,900.00	\$60,900.00	\$0.00
Acquisition/Easement	\$0.00	\$0.00	\$0.00
Other	\$3,800.00	\$3,800.00	\$0.00
Total	\$92,916.00	\$68,200.00	\$24,716.00

Source(s) of Matching Funds	Itemize by source
Volunteers	\$1,600.00
Openlands staff	\$7,100.00
MCCD in-kind staff commitment	\$16,016.00
Total Match	\$24,716.00