



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

[Deadline: Wednesday, February 28, 2007]



**Project Classification:** Habitat

**Applicant Information**

<b>Ecosystem Partnership</b>	Kishwaukee River	<b>DNR Project</b>	KIP004-08
<b>Applicant (Grantee if awarded)</b>		<b>Project Manager (Contact person other than Applicant)</b>	
<b>First Name</b>	Joshua	<b>First Name</b>	
<b>Last Name</b>	Sage	<b>Last Name</b>	
<b>Organization</b>	Boone County Conservation District	<b>Organization</b>	
<b>Address 1</b>	603 North Appleton Rd.	<b>Address 1</b>	
<b>Address 2</b>		<b>Address 2</b>	
<b>City</b>	Belvidere	<b>City</b>	
<b>State</b>	IL	<b>State</b>	
<b>ZIP Code</b>	61008	<b>ZIP Code</b>	
<b>Telephone</b>	815-547-7935	<b>Telephone</b>	
<b>Fax</b>	815-547-7939	<b>Fax</b>	
<b>Email</b>	jsage@boonecountyconservationdistrict.o	<b>Email</b>	

**Project Information**

<b>Project Title</b>	Invasive vegetation removal within the Kishwaukee River Watershed
----------------------	---

Project Location(s)	County	Township	Range	Section(s)
Project Location 1	Boone			
Project Location 2	Winnebago			
Project Location 3	Kane			
Project Location 4	McHenry			
Project Location 5	Ogle			
Project Location 6	DeKalb			

Landowner(s)	Approval?	Landowner Name	Landowner Type	Location #s
Landowner 1	Yes	Boone County Conservation District	local government	Boone
Landowner 1	Yes	DeKalb County Forest Preserve District	local government	DeKalb
Landowner 1	Yes	Rockford Park District	local government	Winnebago
Landowner 1	Yes	Boone County Soil and Water Conservation District	local government	Boone
Landowner 1	Yes	Natural Land Institute	not for profit organization	Entire watershed

**Project Abstract**

The Boone County Conservation District will purchase equipment to be used throughout the watershed for habitat restoration. This equipment will include an all-wheel steer loader, forestry mower, grapple bucket, and trailer.

**Signatures**Application was  filed and signed electronically on 2/27/2007**Project Description**

The Kishwaukee River watershed contains numerous high quality habitat sites including several Illinois Nature Preserves. These areas, if not being pressured by urban development, are constantly being stressed by invasive vegetation. This flora can greatly degrade even the highest quality site.

The Kishwaukee River Ecosystem Partnership has developed a plan entitled, a Strategic Plan for Habitat Conservation and Restoration within the watershed. This strategic plan emphasizes the need for high quality habitat which promotes biodiversity and elevated water quality. Along with this strategic plan the Illinois Department of Natural Resources (IDNR) Wildlife Action Plan (WAP) also prioritizes species of greatest concern. Funding this project would facilitate the implementation of the IDNR WAP by improving critical habitat.

In order to restore and maintain habitat areas throughout the watershed specialized equipment is needed. This equipment is designed to be used with ecosystem-based best management practices. The most cost effective way to operate this equipment is to purchase it for use within the watershed. If this is done organizations and landowners within the watershed would have access to the equipment. This would make it possible to get projects completed in a more cost effective and timely manner than hiring a contractor who might not be sensitive to the needs of the project.

The organizations within the watershed that may benefit from the equipment includes but is not limited to: Boone County Conservation District, Boone County Soil and Water Conservation District, Natural Land Institute, Rockford Park District, and the Dekalb County Forest Preserve District.

The equipment to be purchased is as follows:

- An all-wheel steer loader with high flow hydraulics and all safety features that are available. The all-wheel steer option on this loader makes it possible to work on snow and ice while at the same time causing minimal ground disturbance in sensitive areas.
  - Forestry mower (Fecon Bull Hog) will be powered by the all-wheel steer loader. This mower will be able to mow a variety of invasive species such as bush honeysuckle and buckthorn.
  - Twenty foot tandem axle trailer that will be able to transport the equipment to project areas within the watershed. This trailer will also be able to move a tractor and no-till Truax seeder throughout the watershed. Note: This seeder was purchased with an IDNR Special Funds grant that was awarded to the BCCD in 2004.
  - Grapple bucket which will be able to move material such as brush piles, and downed wood.

The equipment will be stored and maintained at the Boone County Conservation District Maintenance Facility. All operators using the equipment will be trained on general maintenance, safety, and operation of the loader and mower. Training will be facilitated by skilled operators familiar with the above criteria.

**Desired Start Date** January 1, 2008**End Date** March 31, 2010**Partnership Goals** [up to 3 goals]

<b>Goal 1:</b>	1. Preserve existing natural habitats for the watershed's unique flora and fauna.
<b>Goal 2:</b>	2. Instill an awareness amongst landowners to work together to restore the degraded portions of the watershed.
<b>Goal 3:</b>	

<b>Program Guidance</b> [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 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 checked="" type="checkbox"/> Restore and Naturalize Hydrologic Functions
<input checked="" type="checkbox"/> Complementary Educational Strategies	<input 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	Develop and advertise bid specifications to purchase equipment.
April 1 - June 30, 2008	Purchase equipment, operator training, prioritize work within the watershed
July 1 - September 30, 2008	Firebreak creation for the fall and spring burn season.
October 1 - December 31, 2008	Invasive vegetation removal to enhance habitat within the watershed.
January 1 - March 31, 2009	Invasive vegetation removal to enhance habitat within the watershed.
April 1 - June 30, 2009	Invasive vegetation removal to enhance habitat within the watershed.
July 1 - September 30, 2009	Firebreak creation for the fall and spring burn season.
October 1 - December 31, 2009	Invasive vegetation removal to enhance habitat within the watershed.
January 1 - March 31, 2010	Prepare and submit final report.

**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	1000	1000	1000	0	0	0	0
Sites Monitored	0	0	0	0	0	0	0
Number of People	Teachers Trained	Students Educated	Volunteers Enlisted	Citizens Contacted			
	0	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 to 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
Restoration Projects Manager	\$20.00	40	\$800.00
Skid Steer Operator	\$15.00	100	\$1,500.00

<b>Total, Personnel</b> [enter in Budget Summary, Project Total column]	<b>\$2,300.00</b>
---	-------------------

<b>Equipment</b>
------------------

Description	Quantity	Price per item (\$)	Total \$ Amount
72 Inch Grapple Bucket	1	\$2,238.36	\$2,238.36
A-300 Bobcat All Wheel Steer Loader	1	\$40,000.56	\$40,000.56
Cronkite 20' Trailer	1	\$6,868.00	\$6,868.00
Fecon Bull Hog Foresrty Mower	1	\$22,200.00	\$22,200.00
Pintle hitch lock	1	\$200.00	\$200.00
<b>Total, Equipment</b> [enter in Budget Summary, Project Total column]			<b>\$71,506.92</b>

<b>Commodities</b>
--------------------

Description	Quantity	Units	Price per Item (\$)	Total \$ Amount
High test load chains	2	items	\$30.00	\$60.00
Ratchet Binders	2	items	\$55.00	\$110.00
<b>Total, Commodities</b> [enter in Budget Summary, Project Total column]				<b>\$170.00</b>

<b>Total Budget</b> [enter in Budget Summary, Project total column]	<b>\$73,976.92</b>
---	--------------------

<b>Budget Summary</b>
-----------------------

Budget Category	Project Total	C-2000 Funds Requested	Matching Funds
Personnel	\$2,300.00	\$0.00	\$2,300.00
Equipment	\$71,506.92	\$71,306.92	\$200.00
Commodities	\$170.00	\$0.00	\$170.00
Contractual Services	\$0.00	\$0.00	\$0.00
Acquisition/Easement	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$73,976.92</b>	<b>\$71,306.92</b>	<b>\$2,670.00</b>

Source(s) of Matching Funds	Itemize by source
Boone County Conservation District	\$2,670.00
<b>Total Match</b>	<b>\$2,670.00</b>