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AUG 12 2013  
DNR-WCR

**Aquatic Invasive Species (AIS) Control  
Grant Application**

Form 8700-307 (12/11)

**Notice:** Use of this form is required by the DNR for any application filed pursuant to ch. NR 198, Wis. Adm. Code. Personal information collected on this form, including such data as your name, address, phone number, etc., will be used for management and enforcement of DNR programs, and is not intended to be used for any other purpose. Information may be made accessible to requesters under Wisconsin's Open Records laws (s. 19.32-19.39, Wis. Stats.) and requirements.

**Section I: Application Type**

Check one:

- Education, Prevention & Planning     
  Early Detection & Response     
  Established Infestation Control

Legislative District Numbers		To determine your legislative district, go to <a href="http://165.189.139.210/WAML/">http://165.189.139.210/WAML/</a> Type in complete address, next screen shows information.
Senate	Assembly	
32	96	

**Section II: Applicant Information**

Applicant Vernon County Land & Water Conservation Department			Type of Eligible Applicants <input checked="" type="checkbox"/> County <input type="checkbox"/> Tribe <input type="checkbox"/> Other Gov't Unit <input type="checkbox"/> Federal <input type="checkbox"/> City <input type="checkbox"/> Sanitary Dist. <input type="checkbox"/> Nonprofit Org. <input type="checkbox"/> State <input type="checkbox"/> Village <input type="checkbox"/> Dist. <input type="checkbox"/> College, School, etc. <input type="checkbox"/> Other <input type="checkbox"/> Town <input type="checkbox"/> Assoc.		
Waterbody Name West Fork Kickapoo River					
Project County/Township/Section/Range Vernon					
Authorized Representative Named by Resolution Benjamin Wojahn			Project Contact Name Ben Wojahn		
Authorized Representative Title Assistant County Conservationist			Project Contact Title Project Manager		
Address 220 Airport Rd			Address 220 Airport Rd		
City Viroqua	State WI	ZIP Code 54665	City Viroqua	State WI	ZIP Code 54665
Daytime Phone (area code) (608) 637-5480		Evening Phone (area code)		Daytime Phone (area code) (608) 637-5480	
E-mail Address pkrahn@vernoncounty.org			E-Mail Address bwojahn@vernoncounty.org		

**Mail Check to:** (if different from applicant)

Name and Title		Address	
Organization		City	State    ZIP Code

For DNR Use Only			
Application Type	Date Received 8/12/12	Date Reviewed (AIS/LC/RC)	AIS/Lake /River Coordinator Approval /Date
Waterbody ID#	Adequate Public Access <input type="checkbox"/> Yes <input type="checkbox"/> No	Environmental Grants Specialist Approval / Date	
Eligible Project <input type="checkbox"/> Yes <input type="checkbox"/> No	Eligible Applicant <input type="checkbox"/> Yes <input type="checkbox"/> No	Project Priority Rank	Research / Demo Project <input type="checkbox"/> Yes <input type="checkbox"/> No
Prior Grant Award(s) <input type="checkbox"/> Yes <input type="checkbox"/> No	Fiscal Year(s)	Amount Received To Date \$	Project Awarded <input type="checkbox"/> Yes <input type="checkbox"/> No

## Aquatic Invasive Species (AIS) Control Grant Application

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### Section III: Project Information

Project Title		Proposed Ending Date	
<b>Other Management Units</b>	<b>Letter of Support</b>	<b>Other Management Units</b>	<b>Letter of Support</b>
1. Natural Resource Conservation Service	<input checked="" type="checkbox"/>	4. Town of Webster	<input checked="" type="checkbox"/>
2. Trout Unlimited BlackHawk Chapter	<input checked="" type="checkbox"/>	5. Town of Liberty	<input checked="" type="checkbox"/>
3. Valley Stewardship Network	<input checked="" type="checkbox"/>	6. River Alliance	<input checked="" type="checkbox"/>

### Section IV: Public Access

Number of Public Vehicle Trailer Parking Spaces Available at Public Access Sites:

Number of Public Access Sites Including Boat Launches and Walk-ins:

### Section V: Cost Estimate and Grant Request

**Section V must be completed or application will be returned. Details in support of Section V are welcome.**

	Project Costs		
	Column 1 Cash Costs	Column 2 Donated Value	<i>DNR Use Only</i>
1. Salaries, wages and employee benefits	17,039.20	6,912.00	
2. Consulting services			
3. Purchased services--printing and mailing	400.00	0.00	
4. Other purchased services (specify):	0.00	960.00	
5. Plant material			
6. Supplies (specify)	1,730.00	3,198.96	
7. Depreciation on equipment			
8. Hourly equipment use charges			
9. State Lab of Hygiene (SLOH) Costs			
10. Non-SLOH Lab Costs			
11. Other (specify)	411.40	998.92	
<b>12. Subtotals</b> (sum each column)	19,580.60	12,069.88	
<b>13. Total Project Cost Estimate</b> (sum of column 1 plus sum of column 2)	31,650.48		
<b>14. State Share Requested</b> (up to 75% of total costs may be requested)	23,737.86		

Subject to the following maximum grant amounts:

- Education, Prevention and Planning Projects--up to \$150,000
- Early Detection and Response Projects--up to \$20,000
- Established Infestation Control Projects--up to \$200,000

Use of Federal funding as match: (check box below if applicable)

We are using or planning to apply for Federal funds to be used as match.

If known, indicate source of funding:

**Aquatic Invasive Species (AIS) Control Grant Application**

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**Section VI: Attachments (check all that are included)**

**A. For all applicants: (Refer to instructions for applicability.)**

- 1. Authorizing resolution
- 2. Letters of support
- 3. Map of project location and boundaries
- 4. Lake map or river segment with public access sites identified (per Section IV of this application and page 20 of the guidelines)
- 5. Itemized breakdown of expenses
- 6. For projects that entail sending samples to the State Laboratory of Hygiene (SLOH) only: a completed SLOH Projected Cost Form
- 7. Project scope/description:
  - a. Description of project area
  - b. Description of problem to be addressed by project
  - c. Discussion of project goals and objectives
  - d. Description of methods and activities
  - e. Description of project products or deliverables
  - f. Description of data to be collected, if applicable
  - g. Description of existing and proposed partnerships
  - h. Discussion of role of project in planning and/or management of lake
  - i. Timetable for implementation of key activities
  - j. Plan for sharing project results
  - k. Other information in support of project not described above

**B. For applicants that are Lake Management Organizations (LMOs), River Management Organizations (RMOs) or Qualified Non-profit Organizations:**

- 1. For first time applicant LMOs/RMOs only: A completed Form 8700-226 (Lake Association Organizational Application) or 8700-287 (River Management Organization Application)
- 2. For first time applicant Qualified Nonprofit Organizations only: Copy of IRS 501(c)(3) determination letter and copies of your Articles of Incorporation and Bylaws
- 3. List of national and/or statewide organizations with which you are affiliated
- 4. List of board members' names, including municipality and county of residence. Designate officers
- 5. Documentation of current financial status
- 6. Brochures, newsletters, annual reports or other information about your organization

**C. Education, Prevention and Planning Projects: (No additional attachments required.)**

**D. Early Detection and Response Projects:**

- 1. APM Permit application

**E. Established Infestation Control Projects:**

- 1. Management Plan
- 2. APM Permit application

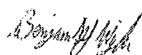
**Section VII: Certification**

I certify that information in this application and all its attachments are true and correct and in conformity with applicable Wis. Statutes.

Print/Type Name of Authorized Representative

Benjamin Wojahn

Signature of Authorized Representative



Title of Authorized Representative

Assistant County Conservationist

Date Signed

07/18/2013

**2013 Budget:**

**Rapid Response Grant for elimination of Japanese Hops on the West Fork of the Kickapoo River**

Budget Page:

	Grant Request	In-Kind or Direct Support
<b>Personnel expenses including clerical staff and professional development</b> Vernon LWCD Staff 1- 60 hrs per year x 4 years @ \$33.99 per hr = \$8,157.60  Vernon LWCD Staff 2- 40 hrs per year x 4 years @ \$28.18 per hr = \$4,508.8  Vernon LWCD Staff 3- 40 hrs per year x 4 years @ \$27.33 per hr = \$4,372.8  Volunteers 12 x 6 hrs (2 times per year) x 4 years @ \$12.00/hr = \$6,912 (in Kind)	Total	\$17,039.20
		\$6,912.00

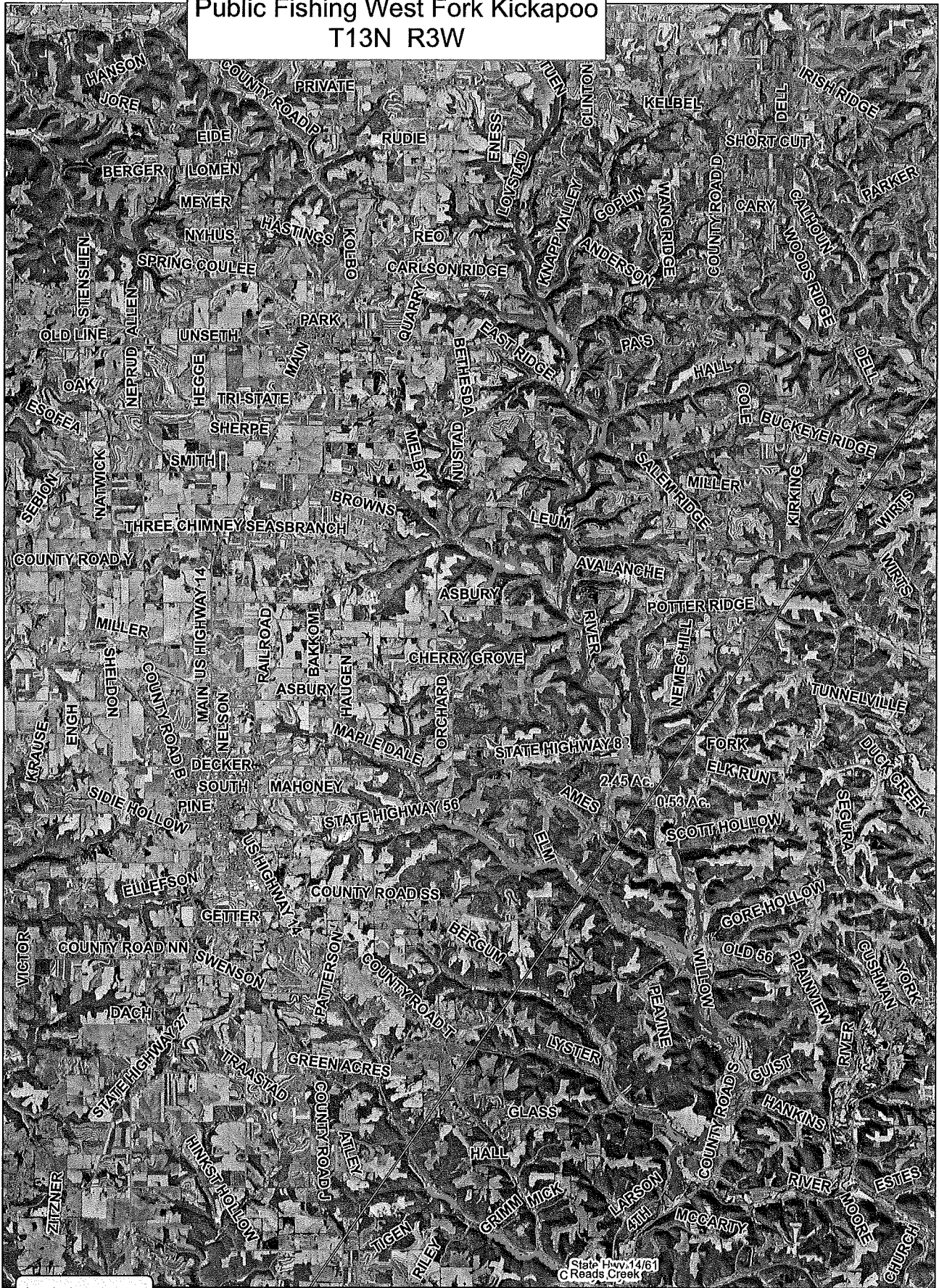
	Grant Request	In-Kind or Direct Support
<b>Supplies and Services</b> Backpack sprayer = 1 @ \$110 Backpack sprayer = 1 @ \$110 (in-kind) Herbicide = 2.5 gallons per year x 4 years @ \$100 = \$1000 Training Facility = 2 per year x 4 years @ \$120 (in-kind) GPS units = \$300 for project (in-kind) Map Making = 10 per year x 4 years @ \$10 per map = \$400 Cameras = \$300 per project (in-kind) Kayaks/canoes = 6 x 2 per year x 4 years @ \$40 each = \$1,920 (in-kind) Seed = \$120 Permit Fee(s) = \$25 per site x 3 sites = \$95 Powertrack skid steer 4 hrs x 4 years @ \$35.56 per hr = \$568.96 (in-kind)	Total	\$1,725.00
		\$4,158.96

	Grant Request	In-Kind or Direct Support
<b>Travel</b> <i>Description: Mileage (distance &amp; rate), etc.</i> 7 trips/yr x 20 miles per trip x 4 years @ \$0.565 = \$316.40 Volunteer travel- 3 trips per year x 5 vehicles x 20 miles per trip x 4 years @ \$0.565 = \$678 (in-kind) Partner travel = 2 trips per year x 96 miles @ \$0.565 = \$108.48 (in-kind) Partner travel = 2 trips per year x 188 miles @ \$0.565 = \$212.44 (in-kind)	Total	\$316.40
		\$998.92

	Grant Request	In-Kind or Direct Support
<b>Other supplies:</b> gloves, goggles, sprayer replacements, measuring devices, fair booth/event fees, bottled water, etc = \$500	Total	\$500.00
		\$0.00

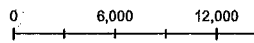
<b>PROJECT TOTALS</b>	<b>\$19,580.60</b>	<b>\$12,069.88</b>
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# Public Fishing West Fork Kickapoo T13N R3W



**Legend**

- Fishing Easement 10\_2011
- 2017 Public Duty
- RIVERS/NAME**
- West Fork Kickapoo River
- Japanese Hope\_Driver rd
- Japanese Hope\_70m\_Lakebed
- Road\_centerlines
- Japanese Hope



Vernon County, Wisconsin  
Prepared by: Ben Wojahn Vernon County LWCD



PLSS section lines from WIDNR LandNET, and are +/- 33 feet.  
Aerial Orthophotography taken 2010 unless otherwise noted. All layers provided by the Vernon County Land Information Office. No warranty, expressed or implied, is made regarding accuracy, adequacy, completeness, legality, reliability or usefulness of any information provided.





Lukens/Deaver  
West Fork Kickapoo  
T13N R3W Sec 32,33

2.45 AC.

Zone A

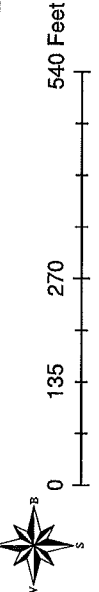
0.53 AC.

**Legend**

- Vernon County Dams
- Reed Contourlines
- VCE/eachRoutePolys
- FIRM Map Panel Index
- Floodway Cross Sections
- Base Flood Elevations

**Flood Hazard Areas**

- A - No Base Flood Elev. Determined
- AE - Base Flood Elev. Determined
- AE - Floodway Areas
- X - 0.2 Per Annual Chance (flood flings)
- X
- Japanese Hoops



PLSS section lines from WDN LandNET, and are +/- 33 feet.  
Aerial Orthophotography taken 2010 unless otherwise noted. All layers provided by the Vernon County Land Information Office. No warranty, expressed or implied, is made regarding accuracy, adequacy, completeness, legality, reliability or usefulness of any information provided.

**Vernon County, Wisconsin**  
Prepared by: Ben Wojahn Vernon County LWCD

# **Vernon County Proposal for Controlling Japanese Hops on the West Fork of the Kickapoo**

## **Project Area Description**

The Japanese Hops (*Humulus japonicas*) sites are located on the West Fork of the Kickapoo River in the Town of Webster, Vernon County Wisconsin. All known sites are located along the West Fork of the Kickapoo (WF Kick). These sites are just off of County HWY S south of HWY 82.

## **The Problem**

In Late 2012, private landowner Tom Lukens contacted our department to notify us that he had discovered Japanese Hops near and along the banks of the West Fork of the Kickapoo on his property. A meeting was held at Tom's property to discuss and view the issue. The meeting was attended by representatives of Vernon County Land & Water Conservation Department (LWCD), River Alliance, Southwest Badger RC&D, WI DNR, WI DATCP, Trout Unlimited, and Valley Stewardship Network. Discussions were focused on what the threats involved are and what may work for eradication of this very aggressive invasive. Ben Wojahn (Vernon LWCD) and Tom Lukens (private landowner) GPS'd the perimeter of the infestations on the Lukens and Edwards property.

Japanese Hops (*Humulus japonicas*) is a highly aggressive plant. New populations can start when plant pieces are washed downstream, re-sprout and create new clones. This Hops seed remains viable for at least 3 years in soil. Hops seed can float. Hops vines can reach lengths of 10-30 feet. Hops thrives in full sunlight riparian areas. Hops is difficult to control with mechanical methods. Hops is very aggressive and can grow 1 foot or more a day during the peak growing season. Hops will grow in dense impenetrable stands which block human and animal access to the stream and shade out all native plants.

The West Fork of the Kickapoo is a very popular trout stream fished by many trout anglers. The area is used by a wide variety of wildlife including many waterfowl for nesting. Japanese Hops would make it impossible for anglers to access the stream and decrease the wildlife habitat for many species. This plan, if allowed to persist, will devastate fishing tourism, native plant species, and any restored wetlands and prairies in the area.

## **Partners and Support**

Vernon LWCD will continue to work with the River Alliance, Southwest Badger RC&D, Valley Stewardship Network, Trout Unlimited, WI DNR, the West Fork Sportsman's Club, the adjacent landowners to educate, eradicate, and evaluate Japanese Hops. Vernon LWCD will take the lead on eradication. Volunteers will be utilized primarily for monitoring of the current sites and other potential sites along the stream corridor.

## **Letters of Support**

River Alliance of Wisconsin  
Blackhawk Trout Unlimited Chapter  
Natural Resource Conservation Service

Valley Stewardship Network  
Town of Webster  
Town of Liberty

### **Volunteer Labor**

Blackhawk Trout Unlimited Chapter  
Valley Stewardship Network  
West Fork Sportsman's club  
Southwest Badger RC&D  
River Alliance of Wisconsin  
Vernon County Land & Water

### **Target Level of Control**

100% eradication in project areas

### **Management**

Management of cutting, removing stalks, and foliar spraying with chemical control agents will be used. A certified aquatic herbicide applicator will complete the herbicide application. Brush and deadfall clearing may be necessary in order to meet the goal of 100% eradication on the site. The erodible sites will be seeded to a cool season grass/legume mix approved by DNR for riparian sites. Seeding to natives for the sites would be cost-prohibitive given the size of the sites and the close proximity to pasture and cropland. Natives would be easily overtaken by the cool season varieties given the locations.

### **Potential Adverse Effects on Other Species, Drinking Water and Other Beneficial Uses of Creek**

Care will be taken when applying chemicals as not to harm the trout and other aquatic species. Only herbicides formulated for use near water will be used. To prevent the spread of Japanese Hops, the cut portion of the plants will have to be contained until they are dead and/or they can be burned. WF Kickapoo is not a direct source of drinking water. All reasonable efforts will be made to restore the site to its pre-infestation status or better.

### **Project Plan**

#### **2013**

July through Early September- Apply Glyphosate product approved for riparian areas to control area.  
Late September/Early October-Document and monitor control area  
Fall-Work to identify nearby infected areas by inspecting up and downstream and by educating neighbors.  
Fall/Winter-Required training session for Volunteers  
Winter-Stakeholder meeting to determine success and next steps

#### **2014**

Spring-Document, monitor, and assess control area



Spring to early summer- Apply Glyphosate product approved for riparian areas to control area at Pre-Flowering stage

Late August/Early September- Spray regrowth

Late September/Early October-Document and monitor control area

Fall-Work to identify nearby infected areas by inspecting up and downstream and by educating neighbors.

### **2015**

Spring-Document, monitor, and assess control area

Spring to early summer- Apply Glyphosate product approved for riparian areas to control area at Pre-Flowering stage

Late August/Early September- Spray regrowth

Late September/Early October-Document and monitor control area

Fall-Work to identify nearby infected areas by inspecting up and downstream and by educating neighbors.

Fall/Winter-Required training session for Volunteers

Winter-Stakeholder meeting to determine success and next steps

### **2016**

Sites will be monitored and necessary treatment will be completed

Spring-Document, monitor, and assess control area

Spring to early summer- Apply Glyphosate product approved for riparian areas to control area at Pre-Flowering stage

Late August/Early September- Spray regrowth

Late September/Early October-Document and monitor control area

Fall-Work to identify nearby infected areas by inspecting up and downstream and by educating neighbors.

Fall/Winter-Required training session for Volunteers

Winter-Stakeholder meeting to determine success and next steps

### **2017**

Sites will be monitored and necessary treatment will be completed

**Project end December 31<sup>st</sup> 2017**

### **Expenses and Hours**

**See attached Budget**

### **Documentation of Control**

For documentation of progress, the Vernon County Land Conservation Department will photograph each stage of the project, have volunteers sign in and keep a log describing all activities. Results of the project will be placed on the Vernon County Land & Water Conservation Department website. Press releases to local newspapers and publications will also be made. Partner groups will include in their brochures.

### **Attachments**

1. Land Conservation Committee Resolution
2. Letters of Support
3. Maps of Public Access Properties

4. Maps with Sites Indicated
5. Budget Page

Resolution No. 2013-28

RESOLUTION  
VERNON COUNTY LAND CONSERVATION COMMITTEE

Subject Japanese Hops Eradication Grant

**WHEREAS**, A new and highly invasive plant species, Japanese Hops (*Humulus japonicas*) has been discovered in several patches along the West Fork of the Kickapoo River; and,

**WHEREAS**, Japanese Hops has the potential to be very economically damaging to fishing and tourism, farm fields and livestock, as well as to native plant and animal life; and,

**WHEREAS**, The Land & Water Conservation Department has identified an Aquatic Invasive Species Control grant from the Wisconsin Department of Natural Resources which they may be eligible to receive, the purpose of which would be to identify and eradicate populations of Japanese Hops; and,

**NOW, THEREFORE, BE IT RESOLVED** The Vernon County Land & Water Conservation Department is hereby authorized to apply for and accept an Aquatic Invasive Species Control grant from the WI DNR with the grant being up to 5 years and up to \$20,000 for the purpose of documenting, eradicating, and evaluating the populations of Japanese Hops present on and near the West Fork of the Kickapoo River.

Approved on this 8 day of August, 2013.

\_\_\_\_\_  
Herbert Cornell, Chair

Ron Hoff  
Ron Hoff, Clerk

Submitted by the Land Conservation Committee of the Vernon County Board of Supervisors on July 12, 2013.

Will Beitzlich  
Will Beitzlich, LCC Chair

All \_\_\_\_\_  
For                      Against                      Other

**Chemical Aquatic Plant Control Application and Permit  
 Wisconsin Pollutant Discharge Elimination System (WPDES)  
 Pesticide Pollutant Permit Application**  
 Form 3200-004 (R 11/11)

**Notice:** Use of this form is required by the Department for any application filed pursuant to s. 281.17(2), Wis. Stats., and Chapters NR 107, 200 and 205, Wis. Adm. Code. This permit application is required to request coverage for pollutant discharge into waters of the state. Personally identifiable information on this form may be provided to requesters to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

DNR Use Only	
ID Number	Permit Expiration Date
Waterbody #	Fee Received

**Section I - Applicant Information - Name of Permit Applicant. Also indicate names and addresses of all individuals, associations, communities or town sanitary districts sponsoring treatment. Attach additional sheets if necessary.**

Home Address	Name Vernon County Land & Water Conservation Department			Lake Address	Name Vernon County Land & Water Conservation Department		
	Street Address 220 Airport Rd				Street Address 220 Airport Rd		
	City Viroqua	State WI	ZIP Code 54665		City Viroqua	State WI	ZIP Code 54665
	Phone Number (include area code) Primary: 6086375480 Secondary: 6086375482				Email Address bwojahn@vernoncounty.org		

**Section II - Aquatic Plant Control Location**

Waterbody to be Treated (waterbody where treatment area is located) West Fork Kickapoo				Lake Surface Area _____ acres	Estimated Surface Area that is 10 Feet or Less in Depth _____ acres
County Vernon	Section	Township 13 N	Range 3 <input type="checkbox"/> E <input checked="" type="checkbox"/> W	Name of Applicator or Firm	
Latitude: 43 34'	Longitude: 90 45'		Street or Route		
Is the waterbody a private pond? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			City _____ State _____ ZIP Code _____		
Does the waterbody have public access? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			County Vernon		
Adjacent Riparian Property Owner Names (attach sheets if necessary) 1. <u>Greg Nessler</u> 2. <u>Michael and Ann Martin</u> 3. <u>Christopher Huschka</u> 4. <u>Rochelle Barnes</u> 5. <u>Edward &amp; Cheryl Rebhahn</u> 6. <u>D. Browne</u> 7. _____			Phone Number (include area code)		
			Email Address		
			Applicator Certification Number for Category 5 Aquatic Pesticide Application		
			Business Location License Number (if applicable)		
Name of Lake Property Owners' Association Representative or Lake District Representative (if none, please indicate) None			Restricted Use Pesticide License Number (if applicable)		

Area(s) Proposed for Control: (Note details in permit cover letter for final permitted sizes of treatment areas.)

Treatment Length	Treatment Width	Estimated Acreage	Average Depth	Irregular Length See Map	Total Estimated Acres
A. _____ ft. X _____ ft.	+ 43,560 ft. <sup>2</sup> = _____	_____ ft.	_____ ft.		Total from lines A - E 3 Acres
B. _____ ft. X _____ ft.	+ 43,560 ft. <sup>2</sup> = _____	_____ ft.	_____ ft.	Total from Attached Sheets _____	
C. _____ ft. X _____ ft.	+ 43,560 ft. <sup>2</sup> = _____	_____ ft.	_____ ft.		
D. _____ ft. X _____ ft.	+ 43,560 ft. <sup>2</sup> = _____	_____ ft.	_____ ft.	Grand Total 3 Acres	
E. _____ ft. X _____ ft.	+ 43,560 ft. <sup>2</sup> = _____	_____ ft.	_____ ft.		

If the estimated acreage is greater than 10 acres, or is greater than 10 percent of the estimated area 10 feet or less in depth in Section II, complete and attach Form 3200-004A, Large-Scale Treatment Worksheet. Private pond treatments are exempted from this requirement.

Is this area within or adjacent to a sensitive area designated by the Department of Natural Resources?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	DNR Use: NHI Review? <input type="checkbox"/> Yes <input type="checkbox"/> No Describe: _____
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# Chemical Aquatic Plant Control Application and Permit WPDES Pesticide Pollutant Permit Application

Form 3200-004 (R 11/11)

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## Section III – Fees

1. s. NR 107.11(1), Wis. Adm. Code, lists the conditions under which the permit fee is limited to the \$20 minimum charge.
2. s. NR 107.11(4), Wis. Adm. Code, lists the uses that are exempt from permit requirements.
3. s. NR 107.04(2), Wis. Adm. Code, provides for a refund of acreage fees if the permit is denied or if no treatment occurs.

4. Fee calculations:

Basic Permit Fee (non-refundable) .....	\$	20.00
If proposed treatment is over 0.25 acre, calculate acreage fee: (round up to nearest whole acre, to maximum of 50 acres.)		
3 acres X \$25 per acre = \$		75
If proposed treatment is ≤ 0.25 acre, acreage fee is \$0.		
Enter Acreage Fee (from above) .....		75
Total Fee Enclosed .....	\$	95

**Site Map:** Attach a sketch or a printed map of lake indicating area and dimensions of each individual area where plant control is desired and flow of surface water outside treatment area. Also show location of property owners riparian to and adjacent to the treatment area. Attach a separate list of owners and corresponding treatment dimensions coded to the lake map, if necessary.

## Section IV – Reasons for Aquatic Plant Control

Is this permit being requested in accordance with an approved Aquatic Plant Management Plan? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Treatment Type: <input type="checkbox"/> Lake <input type="checkbox"/> Pond <input type="checkbox"/> Wetland <input type="checkbox"/> Marina <input checked="" type="checkbox"/> Other
--	--

Goal of Aquatic Plant Control:

- Reduce nuisance algae accumulation
- Maintain navigational channel for common use
- Maintain private access for boating
- Maintain private access for fishing
- Improve swimming
- Control of purple loosestrife
- Control of invasive exotics
- Other: \_\_\_\_\_

Nuisance Caused By:

- Algae
- Emergent water plants (majority of leaves and stems growing above water surface, e.g. cattails, bulrushes)
- Floating water plants (majority of leaves floating on water surface, e.g., waterlilies, duckweed)
- Submerged water plants (leaves and stems below water surface, flowering parts may be exposed, e.g., milfoil, coontail)
- Other: Invasive is replacing native vegetation. This causes stream banks to become unstable

List Target Plants

Japanes Hops

**Note: Different plants require different chemicals for effective treatment. Do not purchase chemical before identifying plants.**

## Section V – Chemical Control

Alternatives to Chemical Control:	Feasible?	If No, Why Not?
1. Mechanical harvesting	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>Grows from rhizomes</u>
2. Hand pulling	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>Rhizome fragments resprout</u>
3. Hand raking	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>Rhizomes would be unaffected</u>
4. Hand cutting	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>Rhizomes would be unaffected</u>
5. Sediment screens/covers	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>Rhizome plant</u>
6. Dredging	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>Rhizome plant</u>
7. Lake drawdown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>Rhizome plant</u>
8. Nutrient controls in watershed	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>Rhizome plant</u>
9. Other: <u>Rhizome plant</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<u>Rhizome plant</u>

**Note: If proposed treatment involves multiple properties, consider feasibility of EACH alternative for EACH property owner.**

If you checked yes to any of the alternatives listed above, please explain your decision to use chemical controls:



Chemical Aquatic Plant Control Application and Permit  
WPDES Pesticide Pollutant Permit Application

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**Section V – Chemical Control (continued)**

Trade Name of Proposed Chemical(s)

Imazapyr (Habitat or Polaris)

Method of Application: Foliar

Will surface water outflow and/or overflow be controlled to prevent chemical loss?  Yes  No

Have the proposed chemicals been permitted in a prior year on the proposed site?  All  Some  None

What were the results of the treatment?

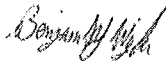
**Note: Chemical fact sheets for aquatic pesticides used in Wisconsin are available from the Department of Natural Resources upon request.**

**Section VI – Applicant Responsibilities and Certification**

1. The applicant has prepared a detailed map which shows the length, width and average depth of each area proposed for the control of rooted vegetation and the surface area in acres or square feet for each proposed algae treatment.
2. The applicant understands that the Department of Natural Resources may require supervision of any aquatic plant management project involving chemicals. Under s. NR 107.07, Wis. Adm. Code, supervision may include inspection of the proposed treatment area, chemicals and application equipment before, during or after treatment. The applicant is required to notify the regional office 4 working days in advance of each anticipated treatment with the date, time, location and size of treatment unless the Department waives this requirement. Do you request the Department to waive the advance notification requirement?  Yes  No
3. The applicant agrees to comply with all terms or conditions of this permit, if issued, as well as all provisions of Chapter NR 107, Wis. Adm. Code. The required application fee is attached.
4. The applicant has provided a copy of the current application to any affected property owners' association, inland lake district and, in the case of chemical applications for rooted aquatic plants, to all owners of property riparian or adjacent to the treatment area. The applicant has also provided a copy of the current chemical fact sheet for the chemicals proposed for use to any affected property owner's association or inland lake district.

Check if you are signing as Agent for Applicant.

I hereby certify that the above information is true and correct and that copies of this application have been provided to the appropriate parties named in Section II and that the conditions of the permit and pesticide use will be adhered to.



Signature of Applicant

7-18-13

Date Signed

All portions of this permit, map and accompanying cover letter must be in possession of the chemical applicator at time of treatment. During treatment all provisions of Chapter NR 107, specifically ss. NR 107.07 and NR 107.08, Wis. Adm. Code, must be complied with, as well as the specific conditions contained in the permit cover letter.

Chemical Aquatic Plant Control Application and Permit  
WPDES Pesticide Pollutant Permit Application

Form 3200-004 (R 11/11)

Page 4 of 4

**Section VII – WPDES Permit Request**

Is WPDES coverage being requested? Refer to <http://dnr.wi.gov/org/water/wm/ww/aquaticpesticides.htm> for more information.

Yes  No If no, you do not need to complete this section.

Select which permit you are requesting:  WI-0064556-1 Aquatic Plants, Algae & Bacteria  
 WI-0064564-1 Aquatic Animals  
 WI-0064581-1 Mosquitoes & other Flying Insects

Indicate WPDES permittee responsible for the pollutant discharge:  Applicator  Sponsor

Do you expect the pest control activity will result in a detectable pollutant discharge to waters of the state beyond the treatment area boundary or a pollutant residual in waters of the state after the treatment project is completed?  Yes  No

If yes, identify the pollutant(s): \_\_\_\_\_

Are you planning to incorporate integrated pest management principles, as specified in the WPDES permit, into your pest control activity to minimize any pollutant residual or pollutant discharge beyond the treatment area?  Yes  No

Type of WPDES coverage being requested:  One Treatment Site  Statewide Coverage

For informational purposes, select areas of WI for most of your aquatic treatments:  NW  NE  SW  SE

Is WPDES coverage being requested for more than 1 year?

Yes  No If yes, the permittee will remain in "active" WPDES status until a Notice of Termination is submitted.

I hereby certify that I am the authorized representative (as specified in Ch. NR 205.07(1)(g), Wis. Adm. Code) of the pest treatment activity which is the subject of this permit application. I certify that the information contained in this form and attachments is, to the best of my knowledge, true, accurate and complete.

*Benjamin Wojahn* Benjamin Wojahn 7-18-13  
Signature of Authorized Representative Printed Name Date Signed

**Section VIII – Permit to Carry Out Chemical Treatment (Leave Blank – DNR Use Only)**

The foregoing application is approved. Permission is hereby granted to the applicant to chemically treat the waters described in the application during the season of 20\_\_\_\_.

Application fee received?

Yes  No

State of Wisconsin  
Department of Natural Resources  
For the Secretary

Advance notification of treatment required?

Yes  No

By \_\_\_\_\_  
Regional Director or Designee

Date Signed \_\_\_\_\_ Date Mailed \_\_\_\_\_

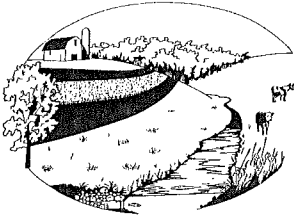
Please Note:

If you believe that you have a right to challenge this decision, you should know that Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed.

For judicial review of a decision pursuant to ss. 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review shall name the Department of Natural Resources as the respondent.

This notice is provided pursuant to s. 227.48(2), Wis. Stats.

To request a contested case hearing pursuant to s. 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. The filing of a request for a contested case hearing is not a prerequisite for judicial review and does not extend the 30-day period for filing a petition for judicial review.



**Vernon County**  
***Land & Water Conservation Department***

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220 Airport Road, Viroqua, WI 54665 Phone (608) 637-5480 Fax (608) 638-8322  
www.lwcd.org

State of Wisconsin  
Department of Natural Resources  
Water Permit Central Intake - WT/3  
PO Box 7185, Madison, WI 53707-7185  
dnr.wi.gov

To whom it concerns  
Sincerely,

Vernon County is submitting a rapid response grant for control of Japanese Hops along the West Fork of the Kickapoo River. I am including information about the grant with this permit application for your information. We have not gotten the check to send along with the permit. We hope you can review the permit for this application, and we will send the check for the permit application when we receive notice of the grant funding.

Feel free to contact me about this application or to notify me about the progress of the permit application.

Sincerely,

Ben Wojahn  
Vernon LWCD  
608-637-5482

Blackhawk Chapter Trout Unlimited

Rapid Response Grant for Elimination of Japanese Hops on the West Fork of the Kickapoo River

June 21<sup>st</sup>, 2013

Dear Review Committee,

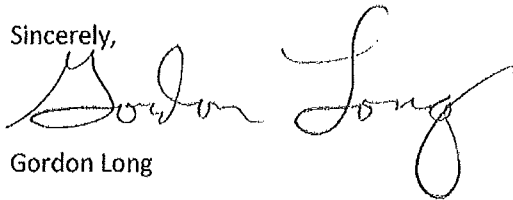
The Blackhawk chapter of Trout Unlimited would like to express strong support for the Rapid Response Grant for elimination of Japanese Hops on the West Fork of the Kickapoo River. We know that Japanese Hops is a very aggressive invasive plant, and believe that it is very important to control this infestation before the population becomes unmanageable.

The Blackhawk chapter of Trout Unlimited is committed to working with Vernon County Land & Water Conservation Department (LWCD) to ensure that this project is a success. Controlling this infestation is consistent with the goals and priorities of our chapter of Trout Unlimited. We will work with our partners to recruit volunteers from our membership, participate in trainings and monitoring, and help in any way that we can to eliminate this invader from our trout streams.

The Blackhawk chapter of Trout Unlimited is very supportive of the Grant for Elimination of Japanese Hops on the West Fork of the Kickapoo River and we look forward to working with Vernon County LWCD and other project partners.

Thank you for your time and consideration of this important project,

Sincerely,

A handwritten signature in cursive script that reads "Gordon Long". The signature is written in black ink and is positioned to the right of the word "Sincerely,".

Gordon Long

President Blackhawk Chapter TU

4850 Cardamon Lane

Rockford IL 60114

**TOWN OF LIBERTY  
S5371 CTY RD SS  
VIOLA, WI 54664**

**Chairman: Kevin Dempsey  
Supervisor: Wanda Lewison  
Supervisor: Adrian Amelse**

**Clerk: Lori Polhamus  
Treasurer: Karen Peterson  
Assessor: Martin Chapin**

**Rapid Response Grant for Elimination of Japanese Hops on the West Fork  
of the Kickapoo River**

July 8, 2013

Dear Review Committee,

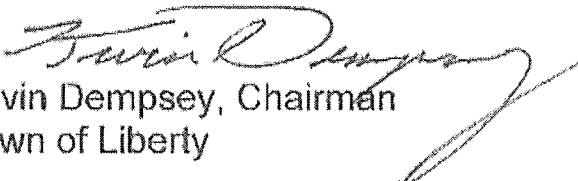
Town of Liberty would like to express strong support for the Rapid Response Grant for elimination of Japanese Hops on the West Fork of the Kickapoo River. We know that Japanese Hops is a very aggressive invasive plant, and believe that it is very important to control this infestation before the population becomes unmanageable.

Town of Liberty is committed to working with Vernon County Land & Water Conservation Department (LWCD) to ensure that this project is a success. Controlling this infestation is consistent with the goals and priorities of Town of Liberty. We will work with our partners to participate and provide assistance as available.

Town of Liberty is very supportive of the Grant for Elimination of Japanese Hops on the West Fork of the Kickapoo River and we look forward to working with Vernon County LWCD and other project partners.

Thank you for your time and consideration of this important project,

Sincerely,

  
Kevin Dempsey, Chairman  
Town of Liberty

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Rapid Response Grant for Elimination of Japanese Hops on the West Fork of the Kickapoo River

June 19, 2013

Dear Review Committee,

WI-USDA-NRCS would like to express strong support for the Rapid Response Grant for elimination of Japanese Hops on the West Fork of the Kickapoo River. We know that Japanese Hops is a very aggressive invasive plant, and believe that it is very important to control this infestation before the population becomes unmanageable.

The Viroqua NRCS Field Office is committed to working with Vernon County Land & Water Conservation Department (LWCD) to ensure that this project is a success. Controlling this infestation is consistent with the goals and priorities of USDA-NRCS. We will work with our partners to recruit volunteers, participate in trainings and monitoring, and inventory sites as needed.

USDA-NRCS is very supportive of the Grant for Elimination of Japanese Hops on the West Fork of the Kickapoo River and we look forward to working with Vernon County LWCD and other project partners.

Thank you for your time and consideration of this important project,

Sincerely,



Greg Yakle  
Acting District Conservationist  
USDA-NRCS



# RIVER ALLIANCE of Wisconsin

June 24, 2013

Susan Graham  
Water Resources Management Specialist  
WI Dept. of Natural Resources  
South Central Regional Office  
Madison, WI 53711

Dear Susan,

I'm writing in strong support of the Vernon County Land & Water Conservation Department's (LWCD) application for a DNR Early Detection and Rapid Response Grant, to control a nuisance population of Japanese hops (*Humulus japonicus*) on the West Fork of the Kickapoo River.

As we've seen in other regions of the Driftless Area, early response action is critical in attempting to control Japanese hops, especially in stream and river corridors. The Vernon County population is located on a trophy coldwater trout river, and is upstream (with the potential to spread downstream, if unchecked) of a celebrated blue trail canoeing route. If the infestation spreads, both fishing and paddling recreational opportunities may be hampered (not to mention potential water quality impacts due to erosion).

The River Alliance of Wisconsin looks forward to working in support of the LWCD in their efforts to control Japanese hops on the West Fork of the Kickapoo. We plan to partner in the following ways: to serve as a resource to LWCD in connecting them with other hops control projects in the region; to help them to raise awareness of the threat of Japanese hops, and increase reporting of it, via a targeted informational campaign in southwestern Wisconsin; and to assist in any other capacity that aligns with the River Alliance's existing Lower Wisconsin River Basin aquatic invasive species efforts.

Thank you for the opportunity to provide input on this project, which we wholeheartedly encourage the Department to support via funding.

Regards,

Matt Krueger  
River Restoration Program Director

*We Save Rivers*

306 E. Wilson St., 2W • Madison WI, 53703 • (608) 257-2424 • [www.wisconsinrivers.org](http://www.wisconsinrivers.org) • [info@wisconsinrivers.org](mailto:info@wisconsinrivers.org)

Town of Webster

E10614 Hwy 82, La Farge 54639

Rapid Response Grant for Elimination of Japanese Hops on the West Fork of the Kickapoo River

7/19/13

Dear Review Committee,

The Town of Webster would like to express strong support for the Rapid Response Grant for elimination of Japanese Hops on the West Fork of the Kickapoo River. We know that Japanese Hops is a very aggressive invasive plant, and believe that it is very important to control this infestation before the population becomes unmanageable.

The Town of Webster is committed to working with Vernon County Land & Water Conservation Department (LWCD) to ensure that this project is a success. Controlling this infestation is consistent with the goals and priorities of our Town. We will work with our partners to post information and maps to help educate about this plant and encourage Town residents to identify any new populations.

The Town of Webster is very supportive of the Grant for Elimination of Japanese Hops on the West Fork of the Kickapoo River and we look forward to working with Vernon County LWCD and other project partners.

Thank you for your time and consideration of this important project,

Sincerely,

  
~~John Young~~

*John Young*  
Chairman, Town of Webster

*Clerk*



Rapid Response Grant for Elimination of Japanese Hops on the West Fork of the Kickapoo River

June 20, 2013

**Board of Directors**

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Sarah Bratnober,  
Vice-Chair

Joy Vietinghoff, Treasurer

Sarah Grainger

Susan Paull

Jonathan Reinbold

**Staff**

Shelly Brenneman, Education  
Outreach Coordinator

Jessica Rizzolo,  
Operations Manager

Vicki Ransay, Water Quality  
Coordinator

Dear Review Committee,

The Valley Stewardship Network (VSN) is very much in support of the Rapid Response Grant for elimination of Japanese Hops on the West Fork of the Kickapoo River. We know, and I know from personal experience on the West Fork already, that Japanese Hops is a very aggressive invasive plant. It can make stream banks inaccessible as the vines ensnare legs and smother the native vegetation. This plant could have a significant negative impact on the 30 million dollar plus cold water and tourism-related industry in our area. We are known for great and accessible trout streams and this could all change radically. We strongly believe that it is very important to control this infestation before the population becomes unmanageable.

The Valley Stewardship Network is committed to working with Vernon County Land & Water Conservation Department (LWCD) to ensure that this project is a success. Because the VSN's mission is stewardship of our watershed, controlling this non-native infestation is consistent with our goals and priorities. We will work with our partners to recruit volunteers and to assist with scouting and eradication efforts. I personally will commit a few hours per week because I believe this effort is time-critical and requires early effort to avoid much larger long term costs and impacts.

The Valley Stewardship Network asks that you please recognize the VSN's earnest support of the Grant for Elimination of Japanese Hops on the West Fork of the Kickapoo River and that you allow this project to proceed. And, we look forward to working with Vernon County LWCD and other project partners on this project.

Thank you for your consideration of this timely and important project,

Sincerely,

Tom Lukens  
Board Chair, VSN