



US Army Corps  
of Engineers  
St Paul District

**SPONSOR:** Bruce Hasbargen

# Public Notice

**ISSUED:** August 6, 2015

**EXPIRES:** September 4, 2015

**REFER TO:** 2013-02495-CLJ

**SECTION:** 404 - Clean Water Act

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## 1. WETLAND COMPENSATORY MITIGATION BANK PROPOSAL

### 2. SPECIFIC INFORMATION.

**SPONSOR'S ADDRESS:** Bruce Hasbargen  
3779 Crest Court  
Bemidji, Minnesota 56601

**SPONSOR'S AGENT** Josh Stromlund

**PROJECT LOCATION:** The project site is located in Section 27, T. 151N., R. 26W., Koochiching County, Minnesota. The approximate UTM coordinates are N 5302597, W 427770. Latitude 47.87265, Longitude -93.96591.

A copy of the prospectus for the proposed mitigation bank can be found by navigating to [https://ribits.usace.army.mil/ribits\\_apex/f?p=107:10:10635110678201::NO::P10\\_BANK\\_ID:2900](https://ribits.usace.army.mil/ribits_apex/f?p=107:10:10635110678201::NO::P10_BANK_ID:2900) and selecting "Cyber Repository" and "2. Prospectus."

**BANK SERVICE AREA:** The proposed bank service area is the Rainy River Basin (Bank Service Area 2).

**DESCRIPTION OF PROJECT:** The sponsor is proposing to develop the Hasbargen's Wildwoods Bank. The proposed bank site is approximately 100 acres in size including buffer areas.

Current land use, including adjacent properties – Currently, the site is under agricultural production planted in soy beans. The ag field contains shallow drainage swales and a deeper drainage feature in the western portion of the property. Drainages outlet to roadside ditches which border the property on the north and west sides. The site is bound by State Highway 1 on the northern boundary and County Road 27 along the western boundary. The area adjacent to the bank site is predominantly composed of undeveloped forested upland and wetland.

Modifications proposed to restore, establish, enhance and/or preserve wetlands on the bank site - The sponsor has indicated that the goal of the project is to restore the hydrology to approximately 55.70 acres of partially drained degraded farmed wetlands to fresh (wet) meadow vegetation, and preservation of approximately 44.30 acres of existing buffer. Hydrology to wetland areas would be restored through installation of ditch plugs or complete filling of drainage features. The sponsor has

indicated that plugging drainage features would allow the currently channelized surface flow to spread across more of the site in order to mimic the historical conditions.

Native vegetation would be reestablished by seeding an approved seed mixture and cover crop, at recommended rates, with a broadcast spreader, Truax drill, air drill, or similar device. The sponsor expects early succession woody species would emerge throughout the site such as: quaking aspen, Balm of Gilead, and willow and dogwood species, which is consistent with adjacent properties.

Species contained in the herbaceous seed mixture will have originated within 180 miles of the project location. However, in case of inadequate suppliers of local seed sources, substitutions may be made with agency approval. The herbaceous seed mixture would be certified as Minnesota Yellow tag and all seeding rates would be based on Pure Live Seed. Anticipated seeding dates would be from early April through early September.

Vegetation maintenance is anticipated to consist of mowing, herbicide application, or prescribed burns, occurring separately or in combination with each other. Maintenance activities would target non-native and invasive species throughout the site. A schedule of maintenance activities would be prepared for the first three years following vegetation establishment.

Long-term management of the site: The established bank site would be managed by the sponsor or their successors in property ownership. Credit sales would be tracked by sponsor and reported to the state as required by state law. The reported credit releases and sales would be tracked on both Corps and state databases using ledger data supplied by the state. By state law, long-term management of the property would be the responsibility of the landowner and the sponsor until all released credits have been debited. After all credits are debited, long-term management obligations would fall to the landowner under state law. Additional protections and management limitations would be spelled out in both a conservation easement and in an approved bank plan.

The project would restore approximately 55.7 acres of wetlands with an additional 44.30 acres of preserved buffer. It is unclear at this point if the buffer is composed of all upland or if the buffer is an upland/wetland mix. Composition of the buffer will be determined as it may affect crediting.

**SURROUNDING LAND USE:** Surrounding land use is dominated by forested upland and wetlands with a mixture of other wetland types. One residence is adjacent to the bank site in the northwest corner of the section. Other residences are present north of the proposed bank site, along the north side of State Highway 1.

**COORDINATION WITH RESOURCE AGENCIES:** This project has been coordinated with the following members of the Interagency Review Team (IRT) and other resource agencies: Minnesota Board of Water and Soil Resources, U.S. EPA, U.S. Fish and Wildlife Service, Minnesota Department of Natural Resources.

### 3. REPLIES/COMMENTS.

Interested parties are invited to submit to this office written facts, arguments, or objections within 30 days of the date of this notice. These statements should bear upon the suitability of the location and the adequacy of the project and should, if appropriate, suggest any changes believed to be desirable.

Operations - Regulatory (2013-02495-CLJ)

Comments received may be forwarded to the applicant. A copy of the full prospectus submitted by the Sponsor is available to the public for review upon request.

Replies may be addressed to Regulatory Branch, St. Paul District, Corps of Engineers, 180 Fifth Street East, Suite 700, Saint Paul, MN 55101-1678.

Or, IF YOU HAVE QUESTIONS ABOUT THE PROJECT, call Craig Jarnot at the Bemidji field office of the Corps, telephone number (651) 290-5337.

To receive Public Notices by e-mail, go to: [http://mvp-extstp/list\\_server/](http://mvp-extstp/list_server/) and add your information in the New Registration Box.

#### 4. FEDERALLY-LISTED THREATENED OR ENDANGERED WILDLIFE OR PLANTS OR THEIR CRITICAL HABITAT.

None were identified by the bank sponsor or are known to exist in the action area. However, Koochiching County is within the known historic range for the following Federally-listed species:

Northern Long-Eared Bat	Hibernates in caves and mines – swarming in surrounding wooded areas in autumn. Roosts and forages in upland forests during spring and summer.
Canada Lynx	Northern Forests
Gray Wolf	Northern Forests

This notice is being coordinated with the U.S. Fish and Wildlife Service. Any comments it may have concerning Federally-listed threatened or endangered wildlife or plants or their critical habitat will be considered in our final assessment of the described work.

#### 5. JURISDICTION.

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. We have made a ***preliminary determination*** that any aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act. Our jurisdictional review and final jurisdictional determination could result in modifications to the scope of the project's regulated waterbody/wetland impacts. Because this project is a mitigation bank, any required compensatory mitigation would be accounted for in the credit yield calculations. Any regulated discharges associated with implementation of a final approved bank plan could likely be authorized by regional general permit if the bank plan is approved before any regulated discharge occurs. Any ***approved jurisdictional determination*** needed will be made prior to reaching a decision, and will be posted on the St. Paul District web page at <http://www.mvp.usace.army.mil/Missions/Regulatory.aspx>.

6. HISTORICAL/ARCHAEOLOGICAL.

The Corps will review information on known cultural resources and/or historic properties within and adjacent to the project area. The Corps will also consider the potential effects of the project on any properties that have yet to be identified. The results of this review and the Corps' determination of effect will be coordinated with the State Historic Preservation Officer independent of this public notice. Any adverse effects on historic properties will be resolved prior to the Corps authorization, or approval, of the work in connection with this project.

7. PUBLIC HEARING REQUESTS.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, in detail, the reasons for holding a public hearing. A request may be denied if substantive reasons for holding a hearing are not provided or if there is otherwise no valid interest to be served.

Tamara E. Cameron,  
Chief, Regulatory Branch

Enclosure(s)

# Hasbargen's Wildwood s. 27 T. 151N R. 26W Koochiching County Site Location Map

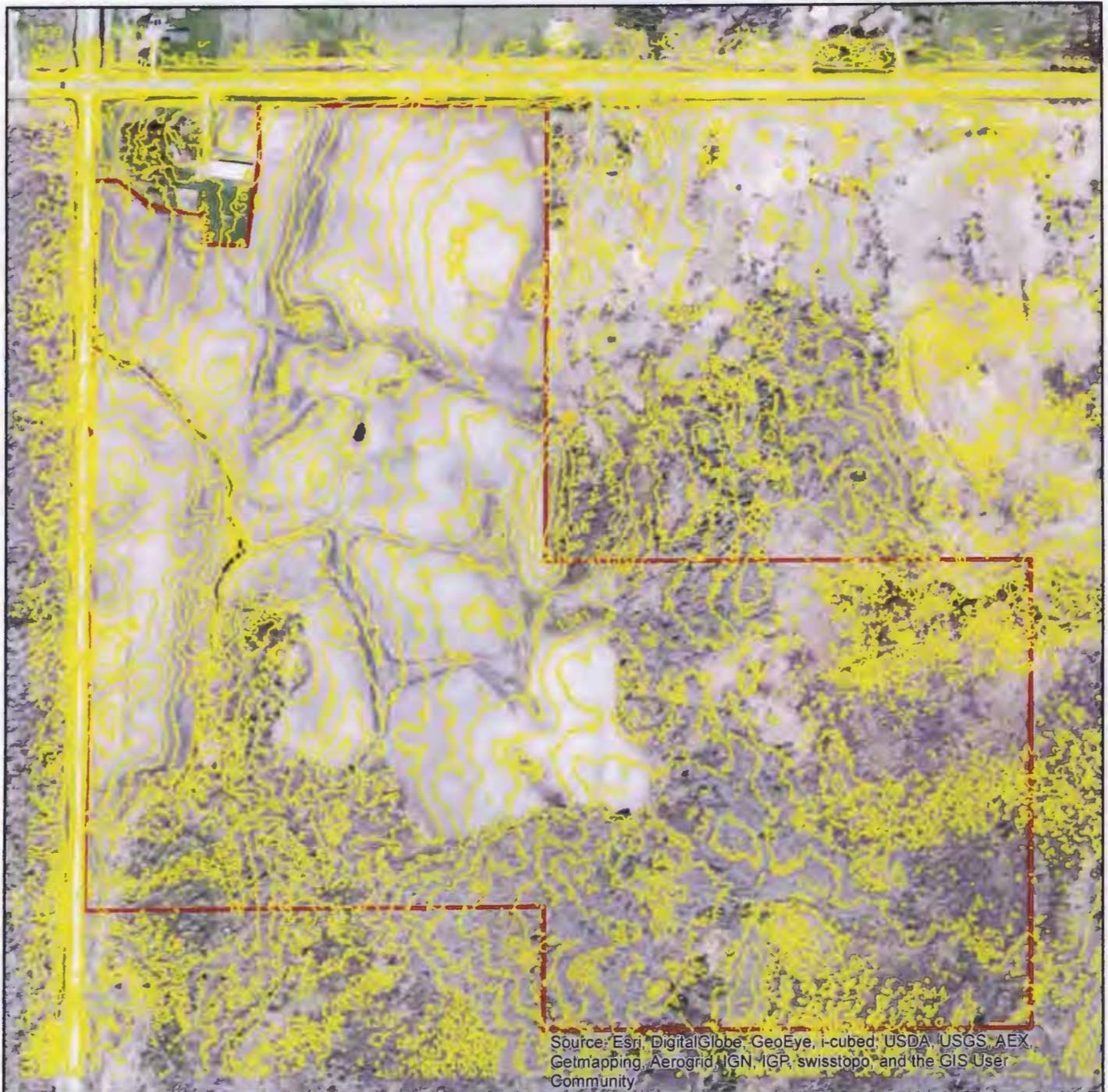


### Legend

 Project\_Boundary



# Hasbargen's Wildwood s. 27 T. 151N R. 26W Koochiching County Existing Conditions Topographic Map

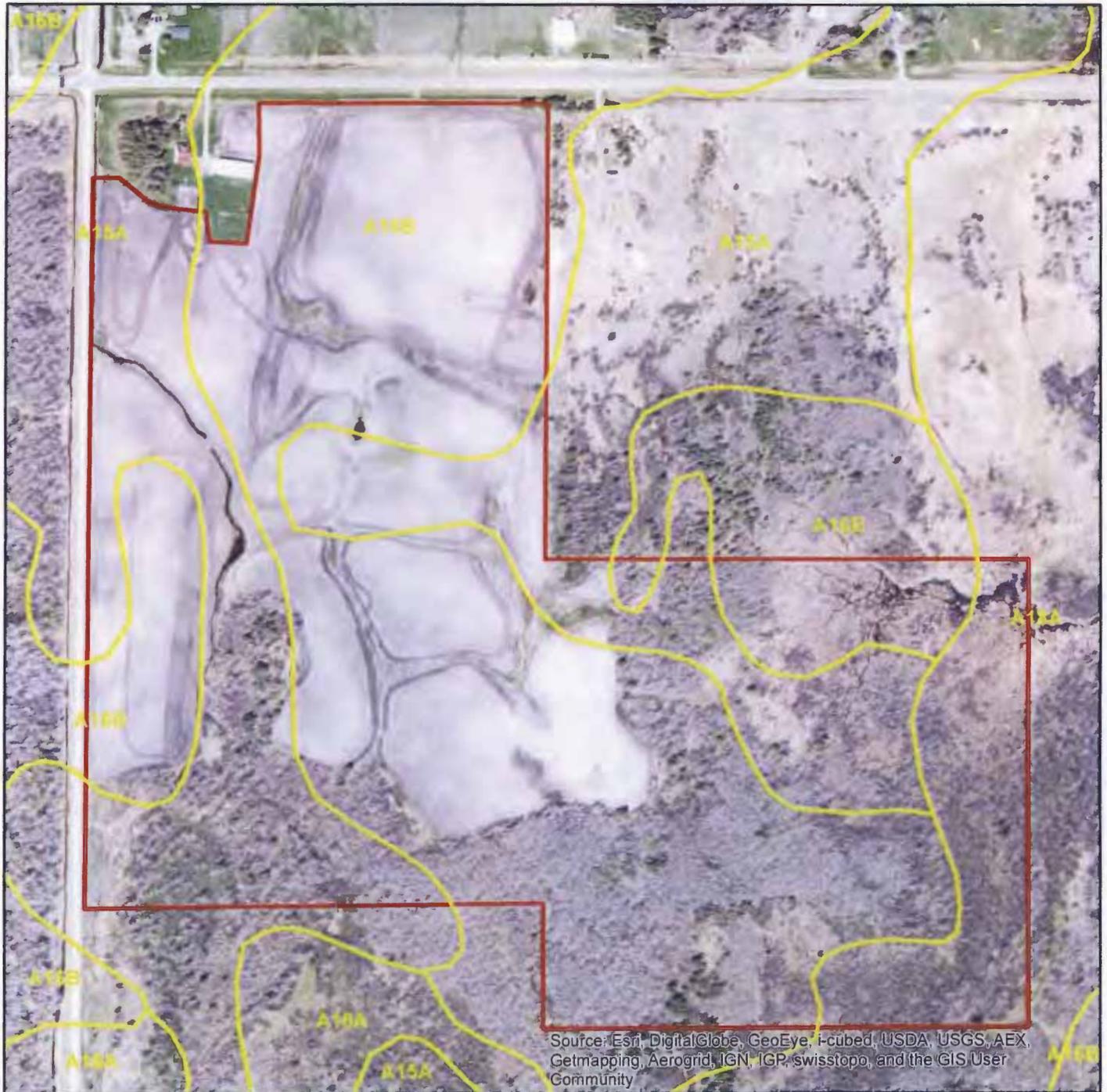


## Legend

-  bh\_contours\_1ft
-  Project\_Boundary

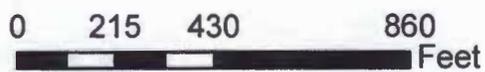


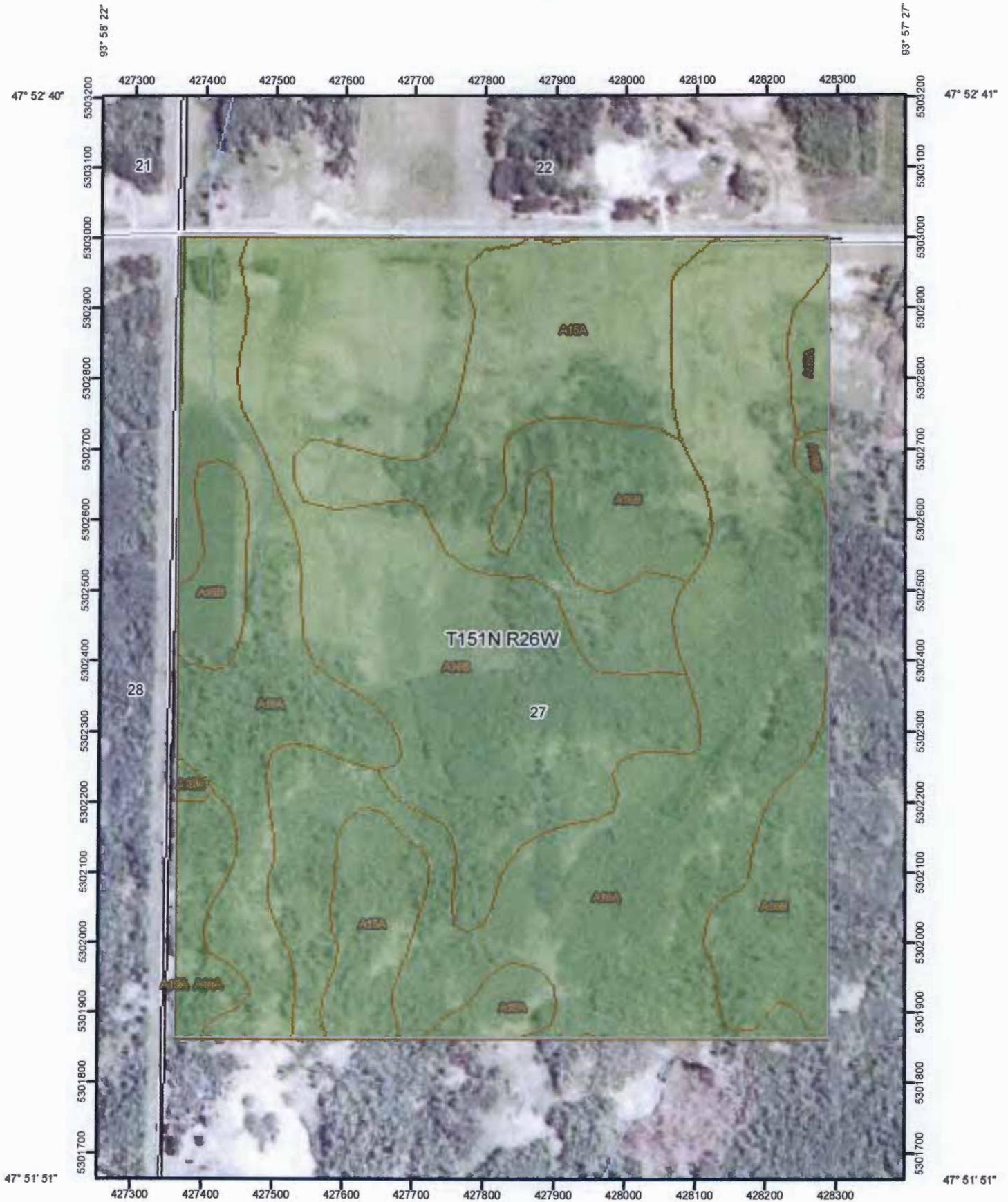
# Hasbargen's Wildwood s. 27 T. 151N R. 26W Koochiching County County Soil Survey Map



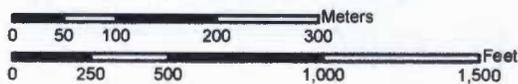
## Legend

-  soilmu\_a\_mn071
-  Project\_Boundary





Map Scale: 1:7,340 if printed on A size (8.5" x 11") sheet.



## Hydric Rating by Map Unit—Koochiching County, Minnesota

**MAP LEGEND****Area of Interest (AOI)**

 Area of Interest (AOI)

**Soils**

 Soil Map Units

**Soil Ratings**

 All Hydric

 Partially Hydric

 Not Hydric

 Unknown Hydric

 Not rated or not available

**Political Features**

 Cities

 PLSS Township and Range

 PLSS Section

**Water Features**

 Streams and Canals

**Transportation**

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

**MAP INFORMATION**

Map Scale: 1:7,340 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:24,000.

**Warning:** Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>  
Coordinate System: UTM Zone 15N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Koochiching County, Minnesota  
Survey Area Data: Version 6, May 31, 2012

Date(s) aerial images were photographed: 6/19/2003

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# Hasbargen's Wildwood s. 27 T. 151N R. 26W Koochiching County Minor Watershed Map



## Legend

-  wsh\_minorpy3
-  Project\_Boundary

0 0.5 1 2  
Miles





# Hasbargen's Wildwood s. 27 T. 151N R. 26W Koochiching County Existing Conditions Vegetation Map



### Legend

-  forst\_firmv2py3
-  Project\_Boundary
-  Farmland
-  Forested Swamp



DNR/Forestry - CSA Tatum Guide

Revised 3/99

**CARD ONE**

**Column 1: Card #**

Col's 2 & 3: Type Seq. #

Col's 4 & 5: Alt. #

Col's 6 & 7: Section

Col's 8-10: Township

Col's 11-13: Range

Col's 14 & 15: County

Col's 16-18: Region/Area/Dist.

Col's 19-20: State Forest

Col's 21-23: Other Mngmt. Unit

Column 24: Compartment #

Column 25: Acquisition

Column 26: Administrator

Col's 27 & 28: Cover Types

- 01 - Ash
- 06 - Willow
- 09 - Lowland Hardwoods
- 12 - Aspen
- 13 - Birch
- 14 - Balm of Gilead
- 15 - Cottonwood
- 17 - Hybrid Poplar
- 20 - Northern Hardwoods
- 25 - Walnut
- 30 - Oak
- 40 - Central Hardwoods
- 51 - White Pine
- 52 - Norway Pine
- 53 - Jack Pine
- 54 - Scotch Pine
- 55 - Ponderosa Pine
- 61 - White Spruce
- 62 - Balsam Fir
- 64 - Norway Spruce
- 70 - Upland Larch
- 71 - Black Spruce, Lowland
- 72 - Tamarack
- 73 - White Cedar
- 74 - Black Spruce, Upland
- 81 - Red Cedar
- 82 - Cutover Area
- 83 - Lowland Grass
- 84 - Upland Grass
- 85 - Lowland Brush
- 86 - Upland Brush
- 87 - Duff
- 88 - Moss
- 75 - Stagnant Spruce-SI 22 or lower
- 76 - Stagnant Tamarack-SI 22 or lower
- 77 - Stagnant Cedar-SI 22 or lower
- 78 - Offsite Aspen-SI 34 or lower
- 79 - Offsite Oak-SI 39 or lower
- 91 - Agriculture
- 92 - Industrial Develop
- 93 - Recreation Develop
- 94 - Roads
- 95 - Rock Outcrop
- 96 - Permanent Water
- 97 - Non-Perm. Water
- 98 - Marsh
- 99 - Muskeg

**Column 29: Cover Size**

- 0 - Not applicable to stand
- 1 - 0 to 0.9"
- 2 - 1 to 2.9"
- 3 - 3 to 4.9"
- 4 - 5 to 8.9"
- 5 - 9 to 14.9"
- 6 - 15 to 19.9"
- 7 - 20 to 24.9"
- 8 - 25"+

**Column 30: Cover Density**

Code	Stems/Acre	Cords/Acre	Bd Ft/Acre
0	0-250	0.0-2.9	0-1,250
1	251-750	3.0-7.5	1,251-3,750
2	751-1,250	7.6-12.5	3,751-6,250
3	1,251-1,750	12.6-17.5	6,251-8,750
4	1,751-2,250	17.6-22.5	8,751-11,250
5	2,251-2,750	22.6-27.5	11,251-13,750
6	2,751-3,250	27.6-32.5	13,751-16,250
7	3,251-3,750	32.6-37.5	16,251-18,750
8	3,751-4,250	37.6-42.5	18,751-21,250
9	4,251+	42.6+	21,251+

**Col's 31-34: Understory Type, Size, Density**

Use the same code as used for main cover type, size, density.

**Col's 35-37: Acres**

Enter the number of acres in the stand.

**Col's 38 & 39: Year**

Enter the last two digits of the year in which the inventory is done.

**Column 40: Topography**

- 1 - Level
- 2 - Rolling
- 3 - Steep

**Col's 41 & 42: Site Index**

Enter the actual site index of the stand.

**Column 43: Physiographic Class**

- 1 - Xeric Site: Very dry; water drains through quickly.
- 2 - Xeromesic: Moderately dry; water retained for a short period of time.
- 3 - Mesic: Optimum water retention; offers favorable management.
- 4 - Hydromesic: Soil retains water for long periods of time, will drain.
- 5 - Hydric: Soil remains sat. year round.

**Col's 44-46: Stand Age**

Record the actual age of the stand.

**Col's 47-49: Basal Area/Acre**

Enter the actual basal area/acre for the stand.

(DBH x 2.75 = limiting distance)

**Col's 50 & 51: Cords/Acre**

Enter the total cords/acre in the stand for all species 5"-14.9" in diameter.

**Col's 52-54: Thousand Bd. Ft/Acre**

Enter the total board ft. volume/acre in thousands for all species 15" and greater in diameter.

**Column 55: Condition Class**

- 0 - Non-Stocked: (Except for regeneration)
- 1 - High Risk: Those stands which will not survive or will have a 30% or greater volume loss need immediate treatment (0-5 years).
- 2 - Mature: Any stand at or beyond rotation age and not high risk.
- 3 - Immature: Any stand 10 years or older but less than rotation age.
- 4 - In the Process of Regeneration: Stands less than 10 years old

**Column 56: Timber Status**

- 0 - Not applicable
- 1 - Normal timber harvest allowed
- 2 - Restricted timber harvest allowed
- 3 - No timber harvest allowed
- 4 - Extended Rotation Forest
- 5 - Old growth stand: No timber harvest allowed
- 6 - Old growth management zone: Restricted timber harvest allowed

7 - Future old growth or old growth candidate: No timber harvest allowed during evaluation period

8 - Stands adjacent to future old growth or old growth candidates: Restricted timber harvest allowed during evaluation period.

9 - Under development

**Col's 57 & 58: Main Spec. in Type**

- 01 - Black Ash
- 02 - American Elm
- 03 - Silver Maple
- 04 - Red Elm
- 05 - Rock Elm
- 06 - Willow
- 12 - Trembling Aspen
- 13 - Paper Birch
- 14 - Balm of Gilead
- 15 - Cottonwood
- 16 - Largetooth Aspen
- 17 - Hybrid Poplar
- 21 - Red Maple
- 22 - Sugar Maple
- 23 - Basswood
- 24 - Yellow Birch
- 25 - Walnut
- 26 - Butternut
- 27 - Cherry
- 28 - Buckeye
- 31 - No. Red Oak
- 32 - Black Oak
- 33 - No. Pin Oak
- 34 - White Oak
- 35 - Burr Oak
- 36 - Scarlet Oak
- 38 - White Ash
- 39 - Green Ash
- 41 - Bitternut Hickory
- 42 - Shagbark Hickory
- 43 - Hackberry
- 45 - Box Elder
- 51 - White Pine
- 52 - Norway Pine
- 53 - Jack Pine
- 54 - Scotch Pine
- 55 - Ponderosa Pine
- 56 - Austrian Pine
- 61 - White Spruce
- 62 - Balsam Fir
- 63 - Colorado Spruce
- 64 - Norway Spruce
- 65 - Black Hills Spruce
- 71 - Black Spruce
- 72 - Tamarack
- 73 - White Cedar
- 81 - Red Cedar
- 82 - Hemlock
- 83 - Douglas Fir
- 84 - European Larch
- 85 - Japanese Larch
- 86 - Siberian Larch
- 91 - Locust
- 92 - Ironwood
- 93 - River Birch
- 94 - Blue Beech
- 99 - Misc.

**Col's 59 & 60: D.B.H.**

Enter the DBH in inches.

# Hasbargen's Wildwood s. 27 T. 151N R. 26W Koochiching County Proposed Easement Boundary Map

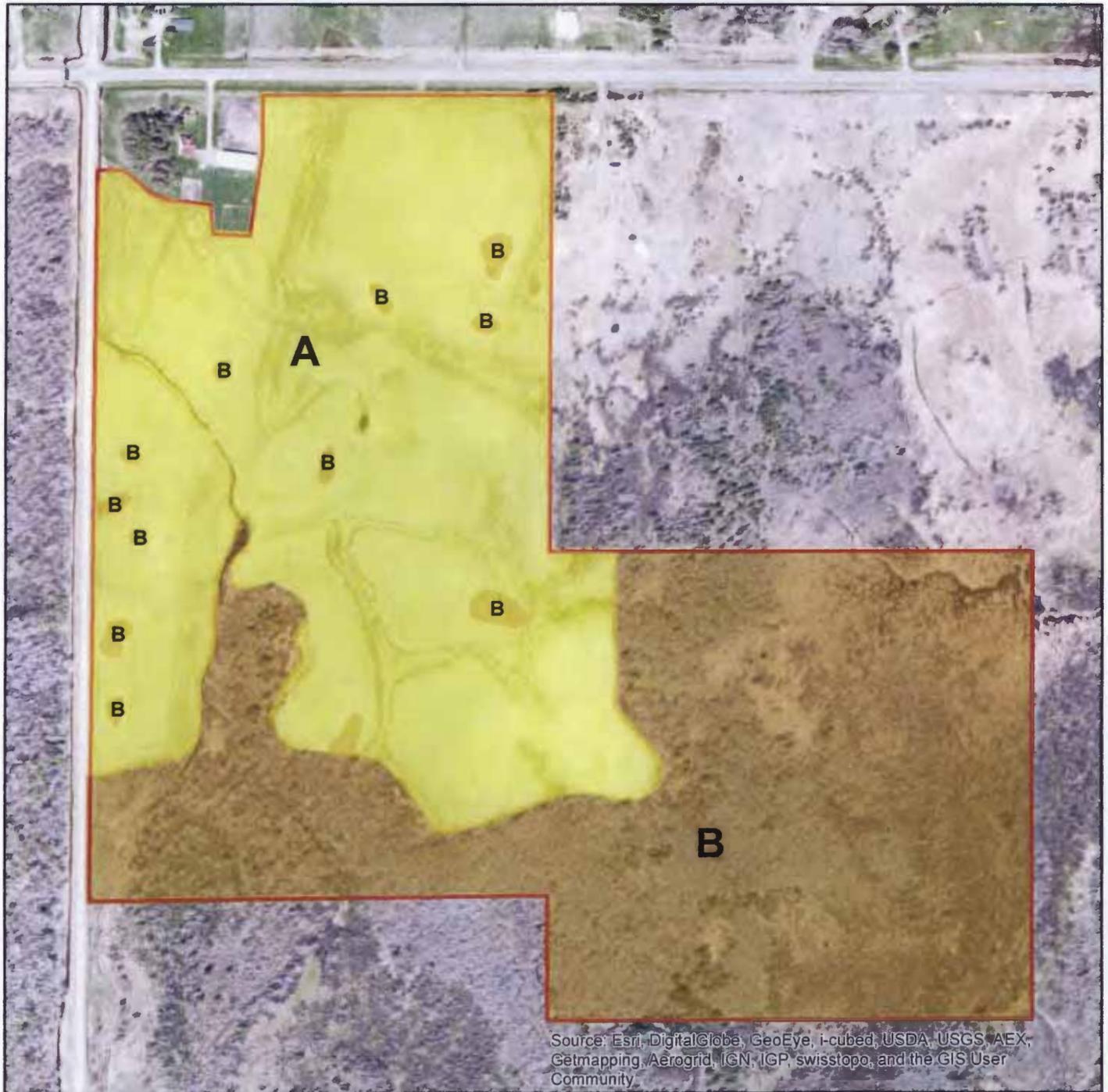


## Legend

 Project\_Boundary

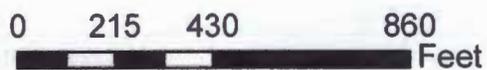


# Hasbargen's Wildwood s. 27 T. 151N R. 26W Koochiching County Credit Area Map



## Legend

-  Buffer\_Area
-  Project\_Boundary
-  Restoration\_Area



# Hasbargen's Wildwood s. 27 T. 151N R. 26W Koochiching County Proposed Vegetation Conditions Map



## Legend

-  Project\_Boundary
-  Fresh Wet Meadow
-  Buffer

0 215 430 860  
Feet



# Hasbargen's Wildwood s. 27 T. 151N R. 26W Koochiching County Concept Plan Map



### Legend

-  Ditch\_Plug\_Areas
-  Drainageways
-  Grading\_Filling\_Areas
-  Project\_Boundary



# Hasbargen's Wildwood s. 27 T. 151N R. 26W Koochiching County Proposed Monitoring Location Map



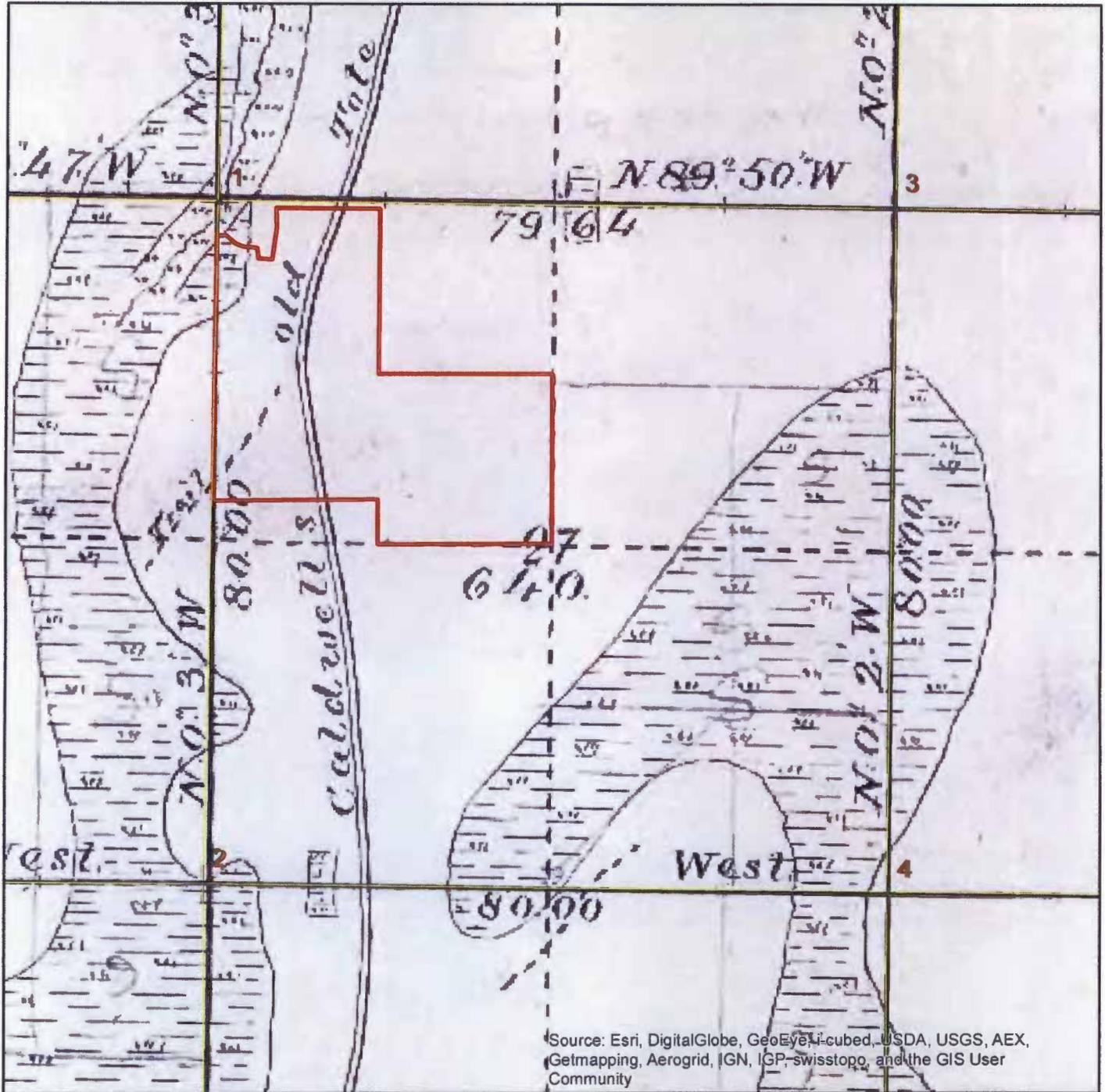
### Legend

 Project\_Boundary

0 215 430 860  
 Feet



# Hasbargen's Wildwood s. 27 T. 151N R. 26W Koochiching County Original Survey Map 1899



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

### Legend

-  pls\_sectpy3
-  Project\_Boundary

