



US Army Corps
of Engineers
St Paul District

SPONSOR: Edward Arneson

Public Notice

ISSUED: February 10, 2015

EXPIRES: March 12, 2015

REFER TO: 2013-01577-CLJ

SECTION: 404 - Clean Water Act

1. WETLAND COMPENSATORY MITIGATION BANK PROPOSAL
2. SPECIFIC INFORMATION.

SPONSOR'S ADDRESS: Edward Arneson
Lakewood Farms, Inc.
6760 Rocky Point Road NW
Roosevelt, Minnesota 56673

SPONSOR'S AGENT Dan Bogart
Houston Engineering, Inc
1401 21st Avenue North
Fargo, North Dakota 58102

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=107:10:6263280766507::NO::P10_BANK_ID:2849 and selecting "Cyber Repository" and "2. Prospectus."

PROJECT LOCATION: The project site is located in Sections 16 & 17, T. 163N., R. 34W., Lake of the Woods County, Minnesota. The approximate UTM coordinates are N 5422934.45, W 349871.55 Latitude 48.9411, Longitude -95.0501.

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 Lakewood Farms Wetland Bank. The proposed bank site consists of two separate areas that total approximately 72.2 acres in size, including upland buffer areas.

Current land use, including adjacent properties – Currently, both sites are agricultural land which are generally planted in row crops and contain shallow drainage swales. Site 1 (SW site) is bound on the east side of the site by Lake of the Woods County State Aid Highway 17 and Site 2 (NE site) is bound by Lake of the Woods CSAH 9. Both roadways include roadside ditches. The sponsor has estimated a scope and effect of the roadside ditches and has excluded this area from the proposed bank site boundaries. The immediate area surrounding the bank sites includes agricultural operations, as well as undeveloped forested wetland and upland.

Operations - Regulatory (2013-01577-CLJ)
SUBJECT: Lakewood Farms Wetland Bank

Modifications proposed to restore wetlands on the bank site - The sponsor proposes to restore via re-establishment 41.2 acres of fresh (wet) meadow type wetland on existing agricultural land by restoring hydrology and vegetation, and preserving 25.7 acres of existing forested upland.

Re-establishment of hydrology would include installing plugs in shallow swales present at both sites. Plugging the swales would include removing and temporarily stockpiling topsoil, and filling the swales with borrow material found within the proposed wetland restoration area. Stockpiled topsoil would then be placed over the filled and excavated areas. Borrow areas would be excavated in such a way as to not cause off-site drainage or concentrate surface drainage. The sponsor has indicated that filling the swales would return the proposed bank sites to the natural hydrology prior to the agricultural/development that occurred in the area.

The sponsor has indicated that the Board of Water & Soil Resources (BWSR) wetland mix, Wet Meadow Northeast, appropriate for the anticipated hydrology have been chosen and would be applied at the recommended rate per acre. Following seeding, late season mowing efforts combined with application of 3% glyphosate would be used to rid the sites of invasive species, including Reed Canary Grass. Once native plants are established, a combination of weed whipping of flowers to prevent seed production, dormant overspray with an aquatic formulation of glyphosate, and spot treatment with glyphosate and sethoxydim (during dry periods) would be used to maintain control over invasive species or other undesirable vegetation. Trees would be removed to maintain fresh wet meadow habitat through spot treatment at early stages of growth.

Long-term management of the site: The established bank site would be managed by the sponsor or their successors in property ownership. The site would be adaptively managed for development of herbaceous communities dominated by native species common to the bank area. 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 41.2 acres of wetlands with an additional 25.7 acres of restored preserved upland buffer.

SURROUNDING LAND USE: Surrounding land use is composed of agricultural operations and undeveloped, forested wetland and upland.

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.

Operations - Regulatory (2013-01577-CLJ)
SUBJECT: Lakewood Farms Wetland Bank

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. Comments received may be forwarded to the applicant.

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 Regulatory field office of the Corps, telephone number 651-290-5337

To receive Public Notices by e-mail, go to: 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, Lake of the Woods 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 |
| Piping plover | Sandy Beaches, islands |

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

Operations - Regulatory (2013-01577-CLJ)
SUBJECT: Lakewood Farms Wetland Bank

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.

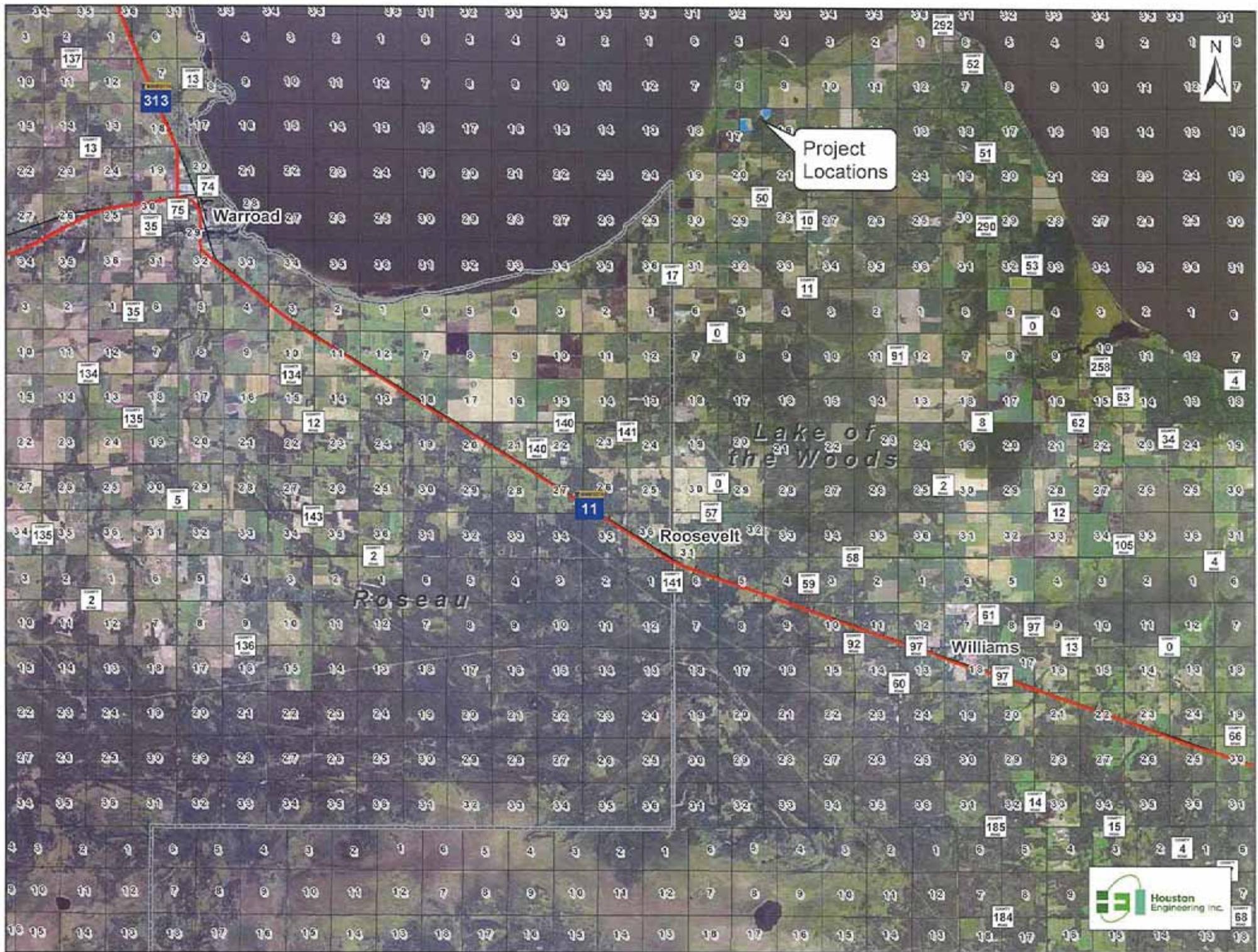
The Corps will review information on known cultural resources and/or historic properties within and adjacent to the project area. The Corps will also consider the potential effects of the project on any properties that have yet to be identified. The results of this review and the Corps' determination 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.

Benjamin Cox,
Chief, Northwest Section

Enclosure(s)



Project Locations

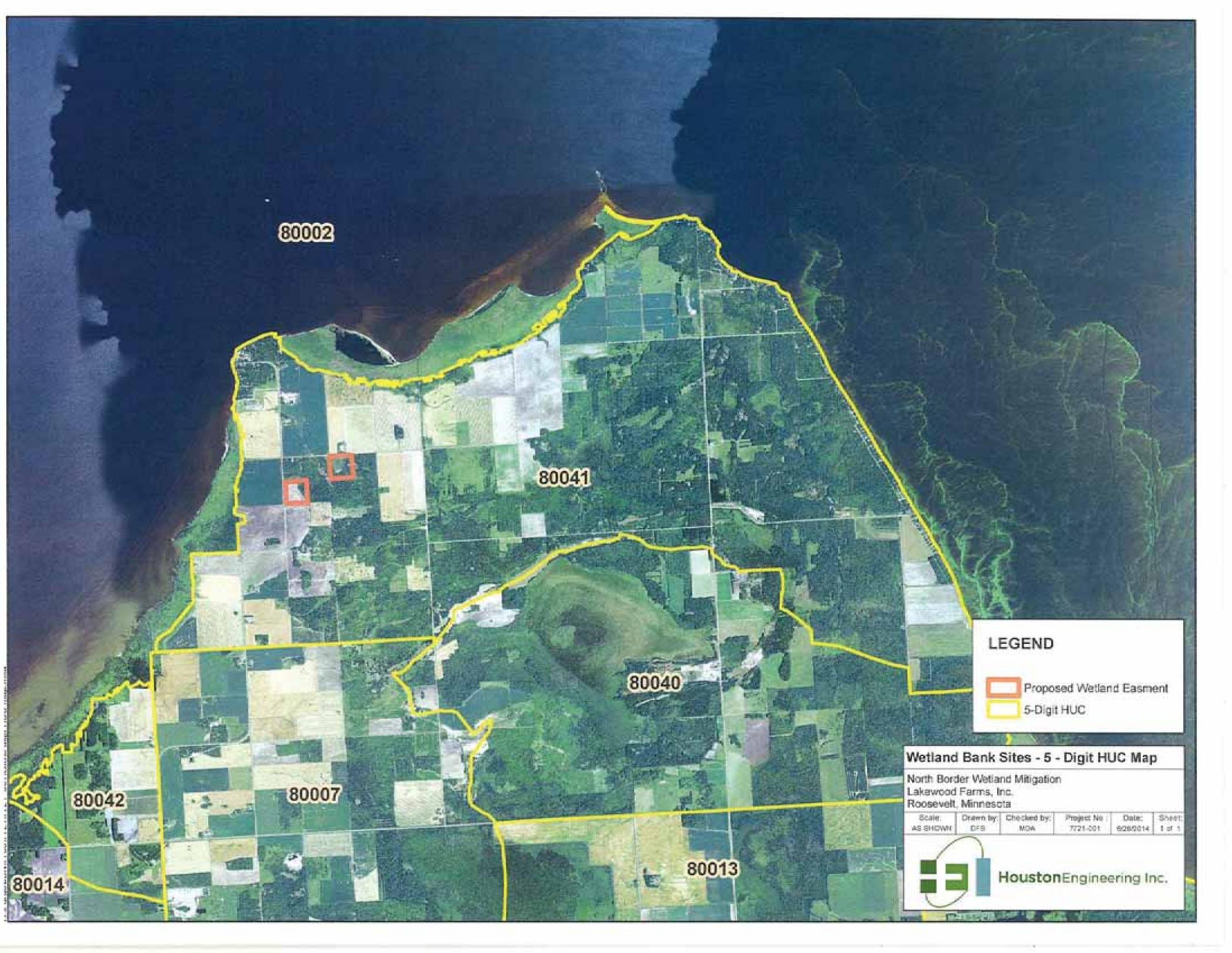
Warroad

Lake of the Woods

Roseau

Roosevelt

Williams



80002

80041

80040

80042

80007

80013

80014

LEGEND

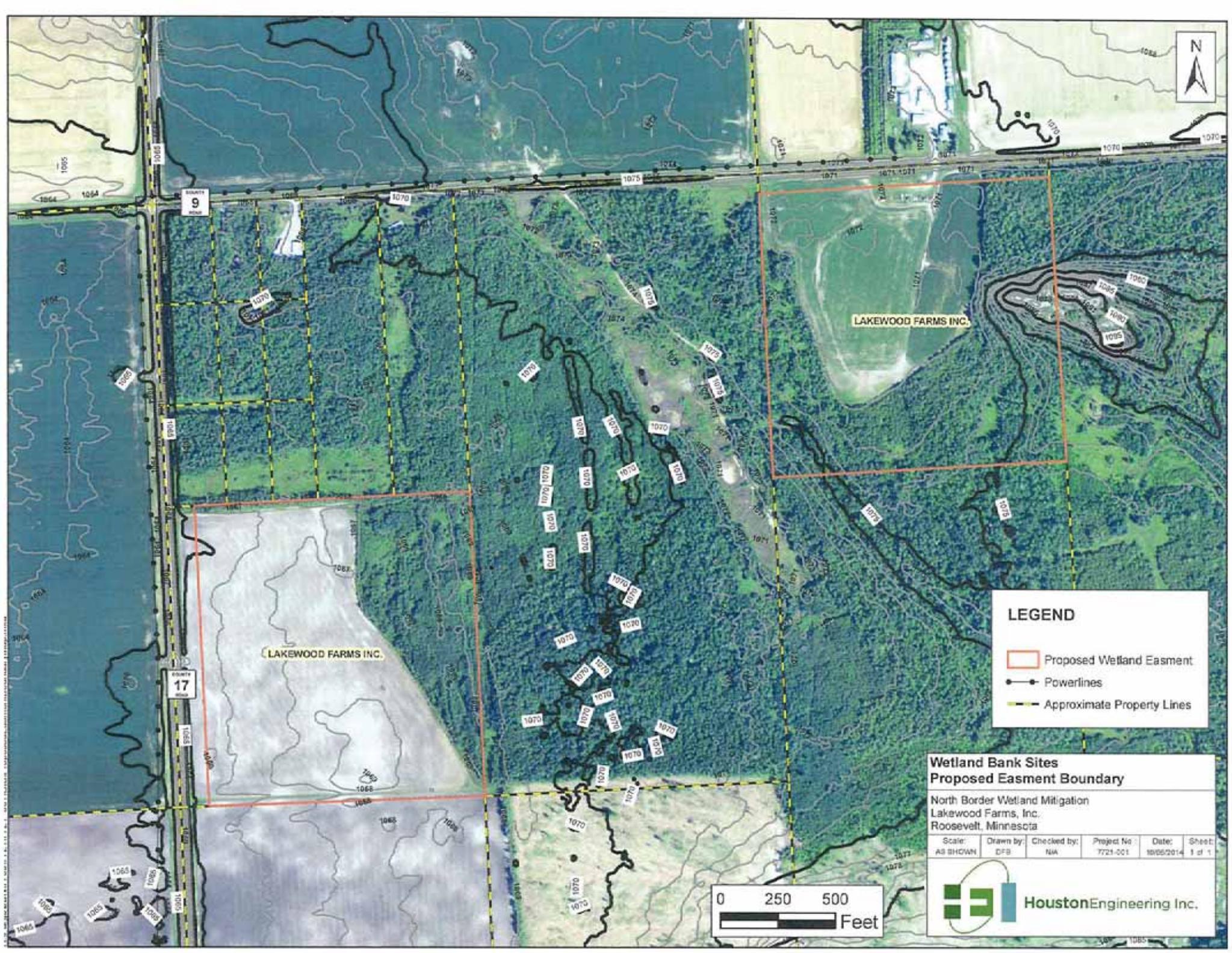
-  Proposed Wetland Easment
-  5-Digit HUC

Wetland Bank Sites - 5 - Digit HUC Map

North Border Wetland Mitigation
Lakewood Farms, Inc.
Roosevelt, Minnesota

| | | | | | |
|----------|-----------|-------------|-------------|-----------|--------|
| Scale: | Drawn by: | Checked by: | Project No: | Date: | Sheet: |
| AS SHOWN | DFS | MOA | 7721-001 | 6/28/2014 | 1 of 1 |





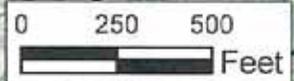
LEGEND

-  Proposed Wetland Easment
-  Powerlines
-  Approximate Property Lines

**Wetland Bank Sites
Proposed Easment Boundary**

North Border Wetland Mitigation
Lakewood Farms, Inc.
Roosevelt, Minnesota

| | | | | | |
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| Scale: AS SHOWN | Drawn by: DFB | Checked by: N/A | Project No: 7721-001 | Date: 10/05/2014 | Sheet: 1 of 1 |
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Restored Wetland 15.5 Ac.

Upland Buffer 15.5 Ac.

No Credit 5.3 Ac.

Upland Buffer 10.2 Ac.

Restored Wetland 25.7 Ac.

LEGEND

Credit Areas

-  Restored Wetland
-  Upland Buffer
-  No Credit

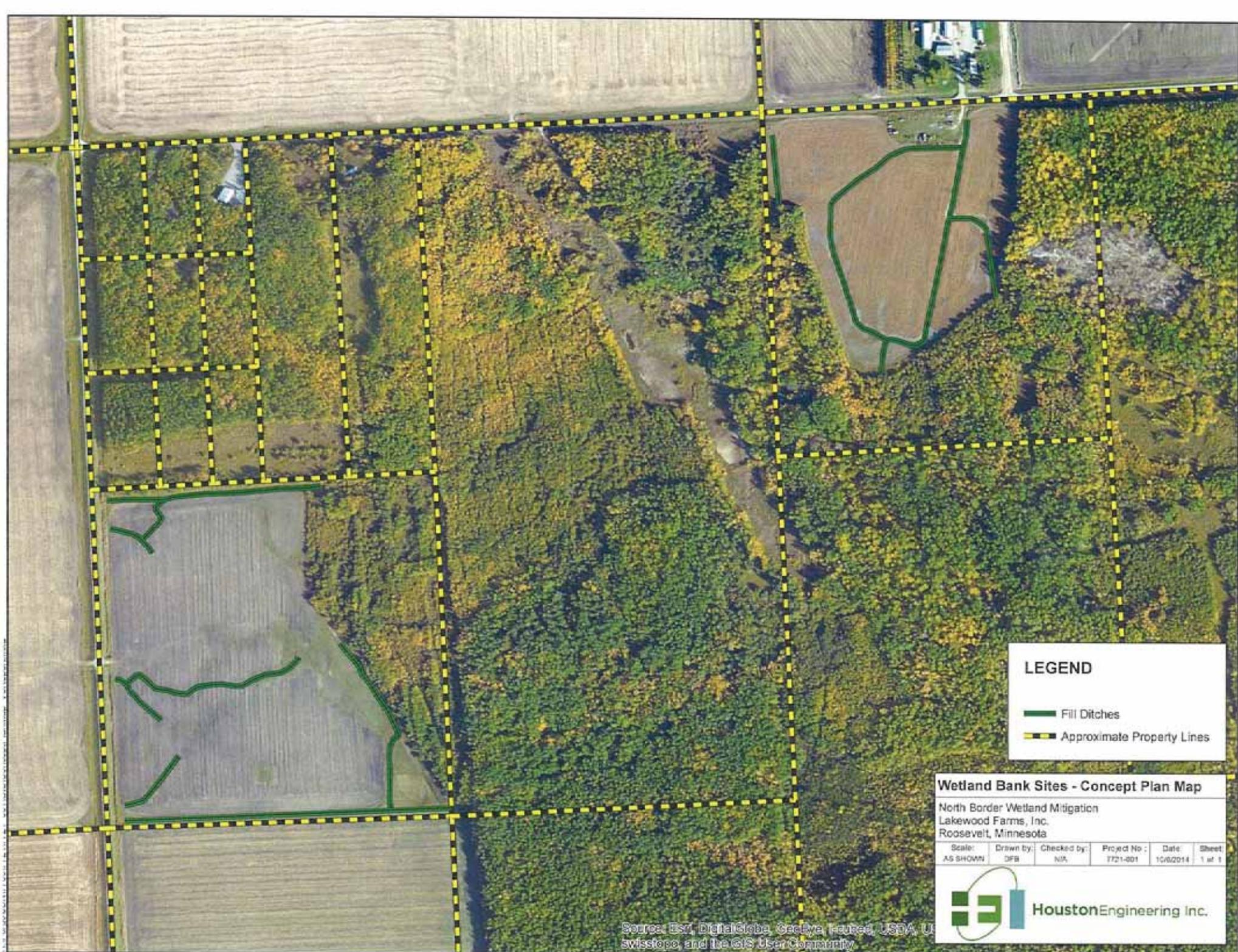
Wetland Bank Sites - Credit Areas Map

North Border Wetland Mitigation
Lakewood Farms, Inc.
Roosevelt, Minnesota

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| Scale: AS SHOWN | Drawn by: DFB | Checked by: NA | Project No: 7221-001 | Date: 11/11/2014 | Sheet: 1 of 1 |
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Source: Esri, DigitalGlobe, GeoEye, Earthstar (USA), Airphoto, SwissTopo, and the GIS User Community



LEGEND

- Fill Ditches
- - - - - Approximate Property Lines

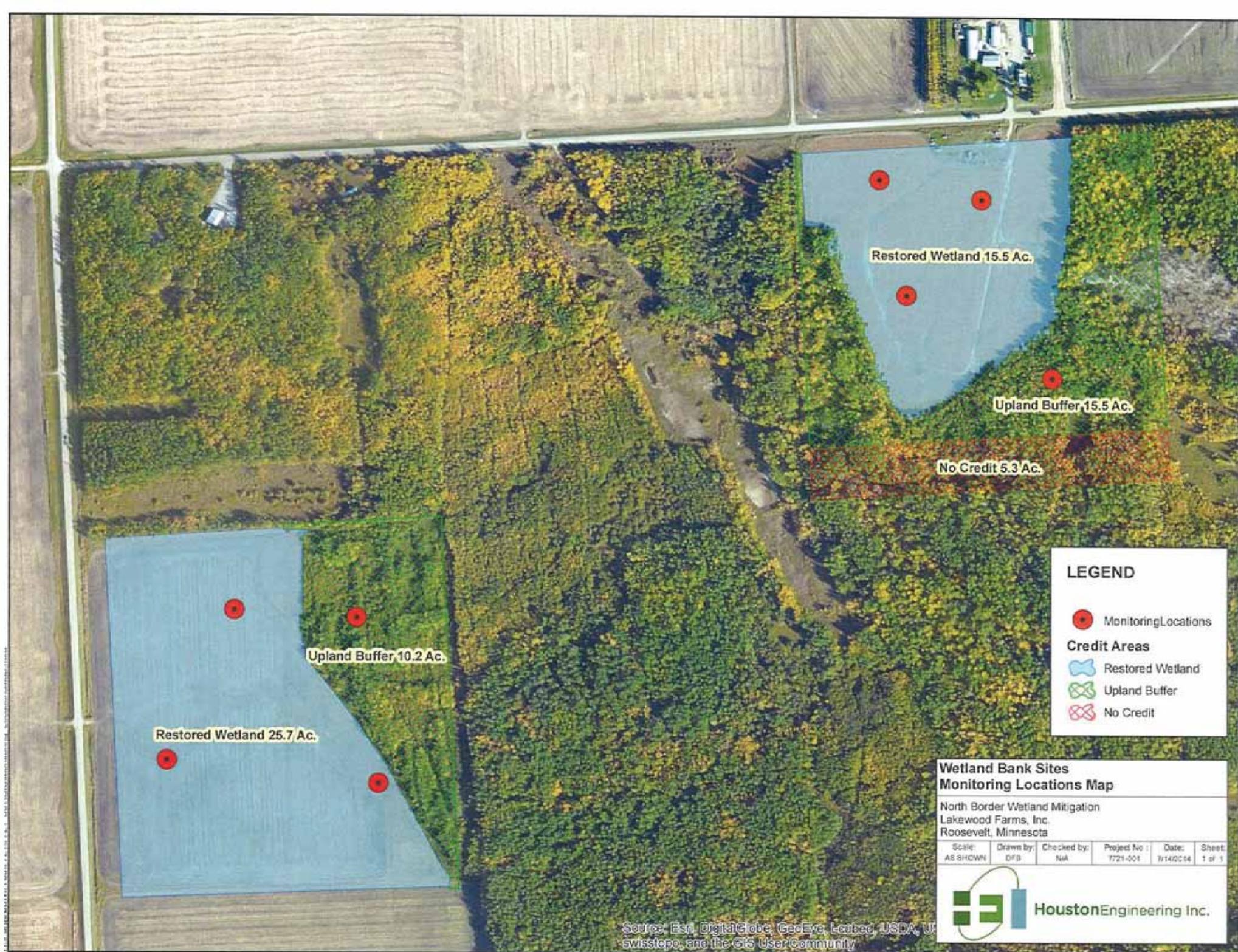
Wetland Bank Sites - Concept Plan Map

North Border Wetland Mitigation
Lakewood Farms, Inc.
Roosevelt, Minnesota

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| Scale: | Drawn by: | Checked by: | Project No.: | Date: | Sheet: |
| AS SHOWN | DFB | N/A | 7721-001 | 10/02/14 | 1 of 1 |



Source: Esri, DigitalGlobe, GeoEye, AeroGRID, USDA, USGS, AeroGRID, IGN, and the GIS User Community



LEGEND

-  Monitoring Locations
- Credit Areas**
-  Restored Wetland
-  Upland Buffer
-  No Credit

**Wetland Bank Sites
Monitoring Locations Map**

North Border Wetland Mitigation
Lakewood Farms, Inc.
Roosevelt, Minnesota

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|--------------------|-------------------|-------------------|--------------------------|--------------------|------------------|
| Scale: AS SHOWN | Drawn by: D/FB | Checked by: NA | Project No : 7721-001 | Date: 3/14/2014 | Sheet: 1 of 1 |
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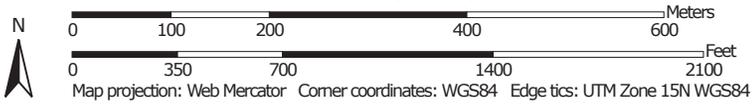
Houston Engineering Inc.

Source: Esri, DigitalGlobe, GeoEye, Landsat, USDA, JRC, swisstopo, and the GIS User Community

Hydric Rating by Map Unit—Lake of the Woods County, Minnesota



Map Scale: 1:7,620 if printed on A landscape (11" x 8.5") sheet.



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

Soil Rating Polygons

-  Hydric (100%)
-  Hydric (66 to 99%)
-  Hydric (33 to 65%)
-  Hydric (1 to 32%)
-  Not Hydric (0%)
-  Not rated or not available

Soil Rating Lines

-  Hydric (100%)
-  Hydric (66 to 99%)
-  Hydric (33 to 65%)
-  Hydric (1 to 32%)
-  Not Hydric (0%)
-  Not rated or not available

Soil Rating Points

-  Hydric (100%)
-  Hydric (66 to 99%)
-  Hydric (33 to 65%)
-  Hydric (1 to 32%)
-  Not Hydric (0%)
-  Not rated or not available

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

-  Aerial Photography

MAP INFORMATION

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 map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

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

Soil Survey Area: Lake of the Woods County, Minnesota
 Survey Area Data: Version 11, Sep 16, 2014

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Sep 27, 2011—Oct 21, 2011

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.