



US Army Corps
of Engineers
St Paul District

SPONSOR: Glen Olson

Public Notice

ISSUED: February 11, 2015

EXPIRES: March 13, 2015

REFER TO: MVP-2014-01501-LSP

SECTION:404 - Clean Water Act

1. WETLAND COMPENSATORY MITIGATION BANK PROPOSAL

2. SPECIFIC INFORMATION.

SPONSOR'S ADDRESS: Glen Olson
17848 540th Avenue
Parkers Prairie, Minnesota 56361

SPONSOR'S AGENT Michael Nelson
Minnesota Engineering and Construction Services
P.O. Box 653
Cold Spring, MN 56320

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=107:10:22677493711199::NO::P10_BANK_ID:3301 and selecting "Cyber Repository" and "2. Prospectus."

PROJECT LOCATION: The project site is located in NE ¼, SE ¼, Section 24, T131N, R38W and NW ¼, SW ¼, Section 19, T131N, R37W, Otter Tail County, Minnesota. The approximate UTM coordinates are N 5112643, E 314580. Latitude 46.1423, Longitude -95.4007.

BANK SERVICE AREA: The proposed bank service area in Minnesota is: Minnesota River, Bank Service Area number 9.

DESCRIPTION OF PROJECT: The sponsor is proposing to develop Glen Olson Wetland Bank. The proposed bank site is approximately 22.80 acres in size, including upland buffer areas.

Current land use, including adjacent properties – The parcel proposed for this wetland bank is currently used for agricultural production of row crops. There is currently a drainage ditch that runs through the property and carries water from west to east. This is a private ditch that the project proponent will disable. Hydrology at the site is from direct rainfall and overland flow.

Historically, a portion of the easement area contained an isolated, wet meadow as determined by the presence of hydric soils and remnant wetland vegetation that can be found in the wettest portions of the project area. The private ditch that runs through the property was constructed to drain wetlands in order to allow farming to occur. This ditch carries water to the northeast and is drained by another ditch to Fish Lake which is south of the project area.

Modifications proposed to restore, establish, enhance and/or preserve wetlands on the bank site - The project proponent has proposed to disable the existing drainage ditch by permanently plugging it in two

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locations. According to information in the concept plan, hydrology will be supplied to the wetland by direct rainfall and overland flow.

Native vegetation at the site has been largely eliminated by agricultural activities over time. The applicant proposes to re-establish native vegetation by planting an approved seed mix throughout the entire site. The anticipated wetland basin will be seeded with an approved wetland seed mix and the upland buffer will be seeded with an approved native upland seed mix.

The applicant proposes to establish four vegetation zones. The upland zone will consist of an upland buffer dominated by native, non-invasive prairie species. A transition zone is planned which will be located at the wetland basin fringe. This zone will be planted with an approved wet meadow seed mix. A saturated zone is expected to develop as hydrology is restored to the site. This zone will be planted with a wet prairie seed mix. The last zone is expected to develop at the lowest elevations of the site and will hold shallow water for variable periods of time. This zone will be planted with an approved emergent wetland seed mix.

Non native, invasive plant species will be controlled by proper seed bed preparation and follow up treatments with herbicides prior to planting. The applicant proposes to cultivate the entire site with a disc or harrow and apply glyphosate to emerging plants in the fall prior to planting. The applicant anticipates a second treatment at the site in the spring of the following year, immediately prior to planting in order to obtain maximum weed control. Follow up herbicide treatments are anticipated after planting in order to control unwanted vegetation at the site.

Long-term management of the site: The applicant is proposing a five year monitoring period following establishment of the bank. During this monitoring period, the applicant will be required to submit annual monitoring reports and sample both vegetation and hydrology to determine compliance with success criteria. The entire site will be protected by a perpetual conservation easement and will have signs marking the boundary of the site.

The project would restore approximately 8.50 acres of wetlands, create 6.80 acres of wetlands and restore 7.60 acres of upland buffer.

SURROUNDING LAND USE: Surrounding land consists primarily of agricultural land which is managed for row crops. Some forested land is located to the south of the proposed bank.

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, Minnesota Department of Natural Resources, United States Fish and Wildlife Service, United State Environmental Protection Agency.

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.

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Replies may be addressed to Regulatory Branch, St. Paul District, Corps of Engineers, Bemidji Regulatory Field Office, 4111 Technology Drive, Suite 295, Bemidji, Minnesota 56601.

Or, IF YOU HAVE QUESTIONS ABOUT THE PROJECT, call Larry Puchalski at the Bemidji Regulatory Field Office of the Corps, telephone number (651) 290-5339.

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, Murray 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.
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Gray Wolf	Northern Forested Areas
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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

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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.

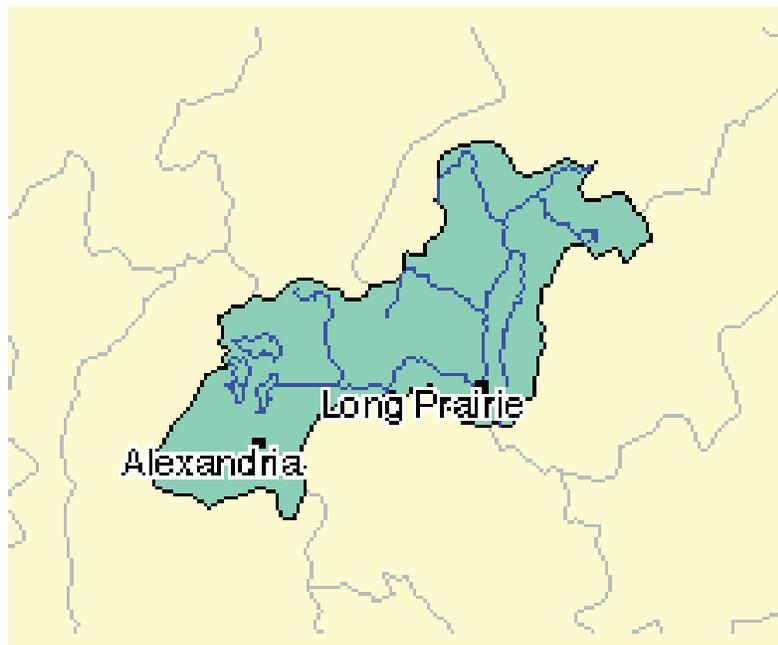
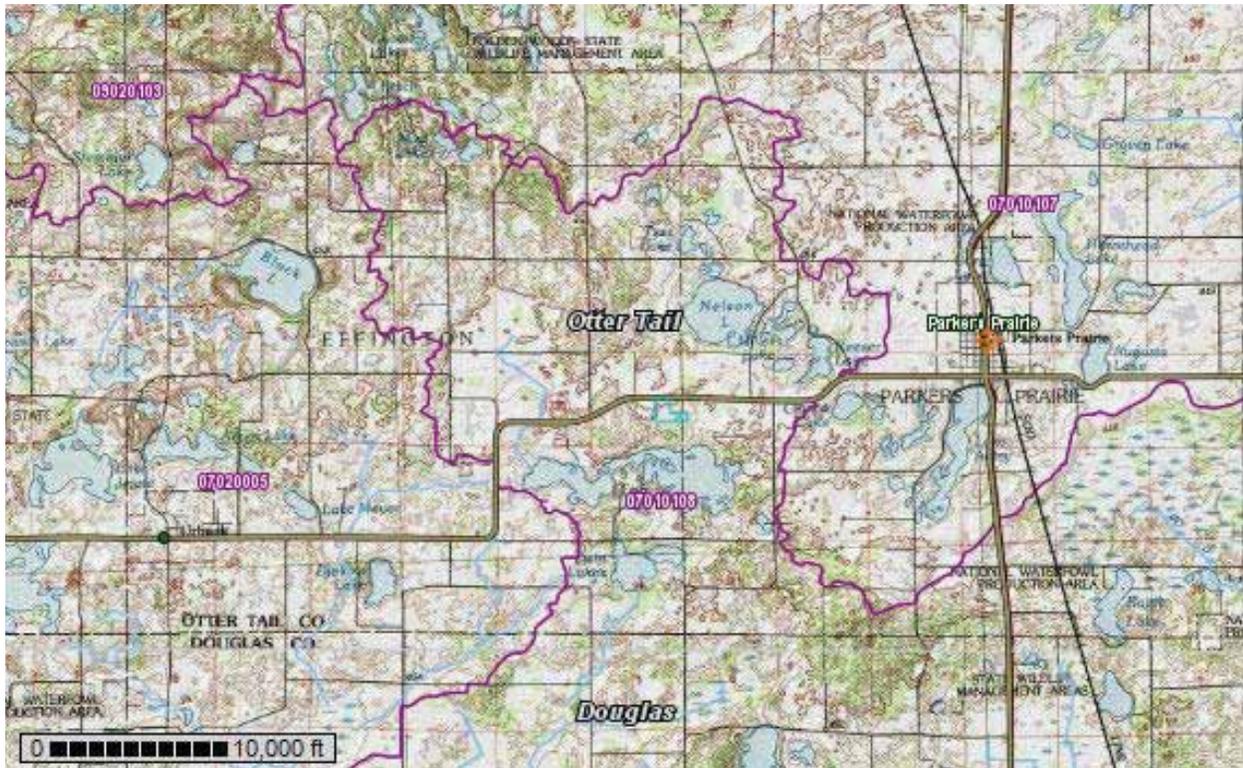
7. PUBLIC HEARING REQUESTS.

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 R. Cox
Northwest Section Chief

Enclosure(s)

LOCATION & WATERSHED MAP (Long Prairie Watershed)



CREDIT AREA MAP

CONSTRUCTION NOTES (GENERAL DITCH FILL AREA)

1. GENERAL DITCH FILL AREAS AS DESIGNATED ON THE PLAN OR AS DIRECTED BY THE ENGINEER SHALL BE FILLED WITH ADJACENT SOIL MATERIALS AND COMMON BORROW AS DESIGNATED ON THE PLAN OR DIRECTED BY THE ENGINEER. COMPACTION IN THESE AREAS SHALL BE COMPLETED BY THE ORDINARY COMPACTION METHOD AS DETAILED IN THE 2005 MNDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION.
2. NON-NATIVE INVASIVE VEGETATION MAY BE PLACED IN THE BOTTOM OF THE DITCH TO BE FILLED FOR GENERAL AREAS ONLY.
3. TOPSOIL SHALL BE SALVAGED FOR RE-SPREAD PRIOR TO BORROW BEING MOVED.
4. ADDITIONAL REQUIRED BORROW MATERIALS REQUIRED TO COMPLETE THE FILLING OF THE DITCH WILL BE TAKEN FROM ADJACENT AND UPHILL TO THE EXISTING DITCH AS DIRECTED BY THE ENGINEER.
5. ALL GENERAL AND ENGINEERED FILL SHALL BE CONSTRUCTED TO AN ELEVATION OF 0.3-FT ABOVE EXISTING GRADE TO ACCOUNT FOR SETTLING.
6. THE PROJECT SHALL BE REVIEWED AND RE-GRADED AFTER ONE FULL FREEZE/THAW CYCLE TO ASSURE NO CHANNELIZED FLOW IS RE-DEVELOPED ALONG THE OLD DITCH ALIGNMENT.
7. IF ADDITIONAL MATERIAL IS NEEDED TO COMPLETE THE PROJECT, A COMMON BORROW SITE WILL BE DETERMINED ON SITE BY THE OWNER AND ENGINEER.

CONSTRUCTION NOTES (ENGINEERED DITCH FILL AREA)

1. ENGINEERED DITCH FILL AREAS AS DESIGNATED ON THE PLAN OR AS DIRECTED BY THE ENGINEER SHALL BE FILLED WITH SUITABLE COMMON BORROW AS DESIGNATED ON THE PLAN OR AS DIRECTED BY THE ENGINEER.
2. ALL ORGANIC MATERIAL SHALL BE REMOVED IN THE AREA OF ANY ENGINEERED DITCH FILL PRIOR TO FILLING.
3. TOPSOIL SHALL BE SALVAGED FOR RE-SPREAD PRIOR TO BORROW BEING MOVED.
4. ENGINEERED PLUGS MUST EXTEND 2-FEET BELOW THE BOTTOM OF THE EXISTING DITCH AND 5-FEET INTO EACH SIDE EMBANKMENT AS MEASURED FROM THE TOP OF THE EXISTING DITCH.
5. ENGINEERED DITCH PLUGS SHALL BE COMPACTED AND TESTED BY THE SPECIFIED DENSITY METHOD AND SHALL BE COMPACTED TO 95% THE STANDARD PROCTOR FOR THE MATERIAL USED.
6. ADDITIONAL REQUIRED BORROW MATERIALS REQUIRED TO COMPLETE THE FILLING OF THE DITCH WILL BE TAKEN FROM ADJACENT AND UPHILL TO THE EXISTING DITCH AS DIRECTED BY THE ENGINEER.
7. ALL GENERAL AND ENGINEERED FILL SHALL BE CONSTRUCTED TO AN ELEVATION OF 0.3-FT ABOVE EXISTING GRADE TO ACCOUNT FOR SETTLING.
8. THE PROJECT SHALL BE REVIEWED AND RE-GRADED AFTER ONE FULL FREEZE/THAW CYCLE TO ASSURE NO CHANNELIZED FLOW IS RE-DEVELOPED ALONG THE OLD DITCH ALIGNMENT.
9. IF ADDITIONAL MATERIAL IS NEEDED TO COMPLETE THE PROJECT, A COMMON BORROW SITE WILL BE DETERMINED ON SITE BY THE OWNER AND ENGINEER.
10. ENGINEERED PLUG SECTIONS MAY BE EXTENDED LEFT OR RIGHT AT ENGINEERS DISCRETION TO ACCOMMODATE A MEANDERING EFFECT IN THE RUN OFF FLOWS.

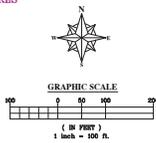
LEGEND

EASEMENT/BUFFER BOUNDARY - 22.9 ACRES

WETLAND CREATION BOUNDARY - 6.8 ACRES

WETLAND RESTORATION BOUNDARY - 8.1 ACRES

WETLAND DITCH FILL - 0.4 ACRES



GENERAL
DITCH
FILL



ENGINEERED
DITCH
BLOCK (TYP)

THESE PLANS HAVE BEEN PREPARED BY THE ENGINEER OR UNDER HIS CLOSE PERSONAL SUPERVISION AND TO THE BEST OF HIS KNOWLEDGE AND BELIEF THEY COMPLY WITH ALL CITY, STATE AND FEDERAL REQUIREMENTS AND REGULATIONS AND HE IS NOT PROVIDING ANY WARRANTY OR GUARANTEE OF ANY KIND, EXPRESS OR IMPLIED, UNDER THESE PLANS OR THE USE OF THEM.

Drawn By: _____ Date: _____

By: MICHAEL G. NASH, Minnesota License No. 3083

Minnesota Engineering
and Construction Services
210 3RD AVENUE S
CLOPPEN, MN 56320

OLSON WETLAND
BANK
OTTERTAIL COUNTY, MN

CLIENT:
GLEN OLSON
PARKERS PRAIRIE, MN 56361

DATE	BY	REVISION