

# Desair Lake Restoration, Inc. Wetland Habitat Restoration Grant

## Lake Protection Grant Project LPT66920

### Henkel Catchment Basin Reconstruction Report

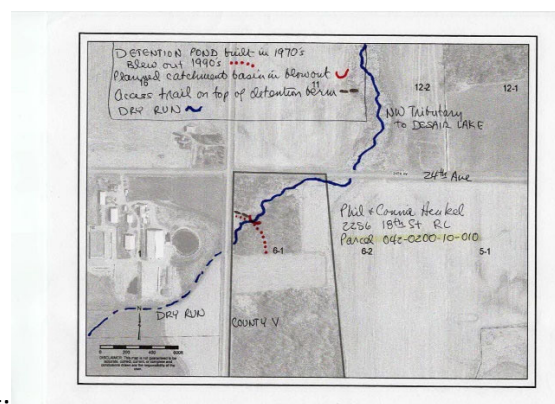
On August 21, 2021 Nathan Walker, Water Management Specialist WDNR, certified our Catchment basin restoration and permitted us to proceed to complete our project on the Phil and Connie Henkel property, parcel 042-0200-10-010, east of County V and south of 24<sup>th</sup> Ave in Barron County.

After reviewing the design of the basin by hydrologist, Nicole Hodkiewicz, I used the backhoe to pull away plant overgrowth and steep banks scoured by the erosive flow. The detention berm was seven feet high with a nearly vertical slope. Both slopes were shaped at about 45 degrees with no disturbance of the streambed.

Two yards of compaction gravel was brought in up three feet and well compacted into a swale. It took two yards of compaction gravel to make the swale (3' high x 10' long x 15' wide) tamping it down solidly. Once covered with permanent ground cloth, three yards of 6"x 16" quartzite cobble was puzzled in position. The landowner, Phil Henkel and I completed the basin in two days. Curlex ground cloth was established on a small, exposed bank and seeded. Please see photos describing the progress.

There was a heavy 2.5" rain with flow confirming the structure worked properly.

The materials for the basin were paid for last year and no fuel and labor was donated. No further expenses were incurred and no request for reimbursement will be needed.



Design and permit;

State of Wisconsin  
DEPARTMENT OF NATURAL RESOURCES  
1300 W Clairmont Ave.  
Eau Claire, WI, 54701

Tony Evers, Governor  
Preston D. Cole, Secretary  
Telephone 608-266-2821  
Toll Free 1-888-936-7463  
TTY Access via relay - 711



08/21/2021  
Philip and Connie Henkel  
2256 18 St.  
Rice Lake, WI 54868  
GP-NO-2021-3-02823

Desair Lake Restoration Inc.  
c/o Nicole Hodkiewicz  
2358 18 1/2 St  
Rice Lake, WI 54868

*Henkel Permit 8/21/21*

Dear Mr. or Ms. Henkel, and Ms. Hodkiewicz:

Thank you for submitting an application for a General Permit to implement a water quality conservation project in/near Unnamed (WBIC 5519223) and Unnamed (WBIC 5005371) located in the NW 1/4, NW 1/4, Sec. 02, T. 35, R. 12W, Town of STANFOLD, Barron County.

You have certified that your project meets the eligibility criteria for this activity. Based upon your signed certification, and my review, you may proceed with your project. Please take this time to re-read the permit standards and conditions. You are responsible for meeting all general permit eligibility standards and permit conditions. This includes notifying the Department before starting the project, and submitting photographs within one week of project completion. You are responsible for ensuring that the project meets all eligibility standards described on the attached checklist. Please note that your project must be complete within 3 years of the date of this letter.

The Department conducts routine and annual compliance monitoring inspections. Our staff may follow up and inspect your project to verify compliance with state statutes and codes. If you need to modify your project please contact your local Water Management Specialist, Nathan Walker at (715) 492-0243 or email [nathan.walker@wisconsin.gov](mailto:nathan.walker@wisconsin.gov) to discuss your proposed modifications. If you fail to comply with state statutes and code, the Department has the authority to pursue enforcement which could include site restoration and fines.

The Department of Natural Resources appreciates your willingness to comply with waterway regulations, which help to protect the water quality, fish and wildlife habitat, natural scenic beauty and recreational value of Wisconsin's water resources for future generations. You are responsible for obtaining any other local, state or federal permits that are required before starting your project.

Sincerely,

*Nathan Walker*  
Nathan Walker  
Water Management Specialist

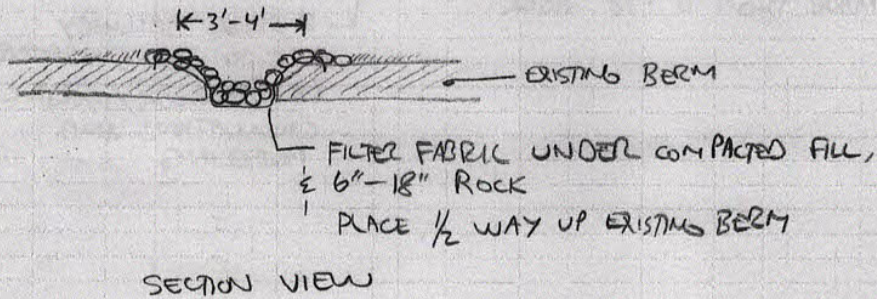
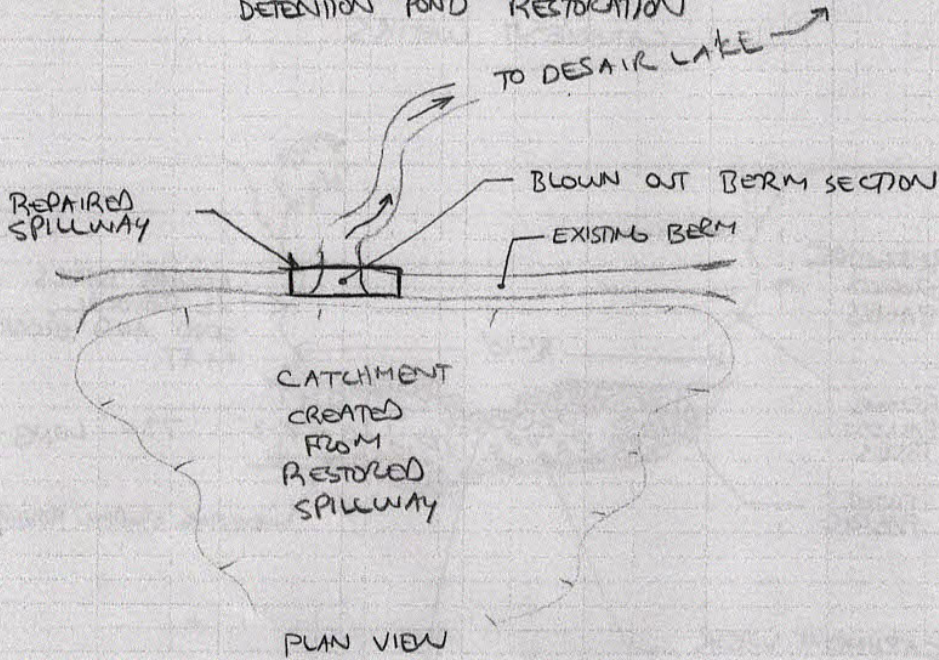
Copy to: USACE Project Manager  
David Gifford, Barron County Zoning Administrator  
Josh Loing, Conservation Warden



Phone: 715.234.7008  
Fax: 715.234.1025  
e-mail: info@cooperengineering.net  
2600 College Drive, P.O. Box 230  
Rice Lake, WI 54868-0230

PROJECT HENKEL / DOSTAL  
PROJECT NO. \_\_\_\_\_ SHEET 1 OF 1  
CALCULATED BY NKH DATE 1-30-20  
CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_

### HENKEL AND DOSTAL DETENTION AND RESTORATION





The streambed shaped as per hydrology design



Compacted swale in place, 3' high by 10' long and 15' wide



Compaction gravel, swale shape and ground cloth in place with each rock hand carried and puzzled into position.



Quartzite rock was positioned into place



All the quartzite rock was locked into place with a 3' rise from the streambed, 10' long and 15' wide swale.



Henkel Detention Pond Restoration



With the basin in place a 2.5" downpour had the dry run flowing and the catchment basin worked perfectly.