

Anvil Lake Association

Healthy Lakes Report

Grant Number: LPT61419

Grant Sponsor: Anvil Lake Association

Were all projects completed as proposed: Yes

A signed 10 year contract from both property owners involved will be kept in ALA files, along with the design specifications and locations of each practice.

The ALA has educated our membership over the past several years with articles in our newsletter and opportunities for members to view projects while being developed. We also had the Vilas County Healthy Lakes coordinator, Cathy Higley, as a guest speaker at our ALA annual meeting. We will continue to remind property owners of this opportunity to partner with the DNR in the protection of our shore lands.

Kuhns Family Healthy Lakes Project:

Property owner name: Thomas and Amy Kuhns

Completed practice: One Rain garden installed in June 2020

Dimensions: 120 square feet

Drainage area captured: 1,300 square feet

Our Story:

We built a storage garage on our property on the south end of Anvil Lake. The property has only a slight slope down to the lake. We hired Custom Landscaping to design a plan utilizing several healthy lakes practices, including two rain gardens, rock infiltrations surrounding the garage and semipermeable pavers. All these practices will collect and filter storm water run off from the garage and driveway. The Anvil Lake Association needs to prioritize funding EWM management expenses, so limited funding remained to reimburse property owners for Healthy Lakes practices. The Healthy Lakes grant provides funding for one of the rain gardens. The rain gardens were installed on each side of the garage. The site preparation and planting were completed without complication. The rain gardens beautify the property, and both will be carefully maintained.



This is a photo taken in October of 2019. The run off from the roof of the garage will be channeled from gutters through the pipes being laid to the black cistern. The water will filter directly into the sandy subsoil and disperse into the ground, returning the rain to the property's aquifer. The surface water from the surrounding landscape drains into the superficial area of the rain garden.

The next picture was taken in June of 2020, at the completion of the project. The rain garden site has been filled with a 12 inch layer of a blend of planting soil and compost over a layer of small stones. More than twenty different species of perennials were planted. They were selected for their hardiness, their natural look and their deer resistance.



Property Owner Name: Goodwin

Check the box for completed practice(s) and complete the required data deliverables

Fish Sticks: Insert total number of completed fish sticks.

Number of Fish Sticks clusters installed: Number.

Total Number of trees: Number.

Native Planting: Insert total number of native plantings.

Choose type of planting

Surface Area: Number.

Length of lakeshore restored: Number.

Rain Garden: Insert total number of rain gardens.

Dimensions: Number.

Drainage Area Captured: Number.

Diversion (Transitional or Upland): Insert total number of diversions.

Drainage Area Diverted: 3' x 15'

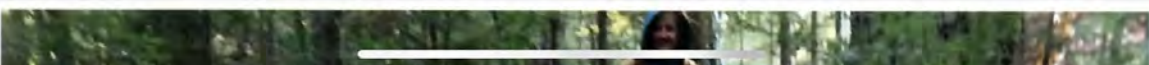
Drainage Area Captured: 25' x 30' Number. If uncertain: Choose an item.

Rock Infiltration: Insert total number of rock infiltrations.

Dimensions: 4' x 40' and 5' x 4.5'.

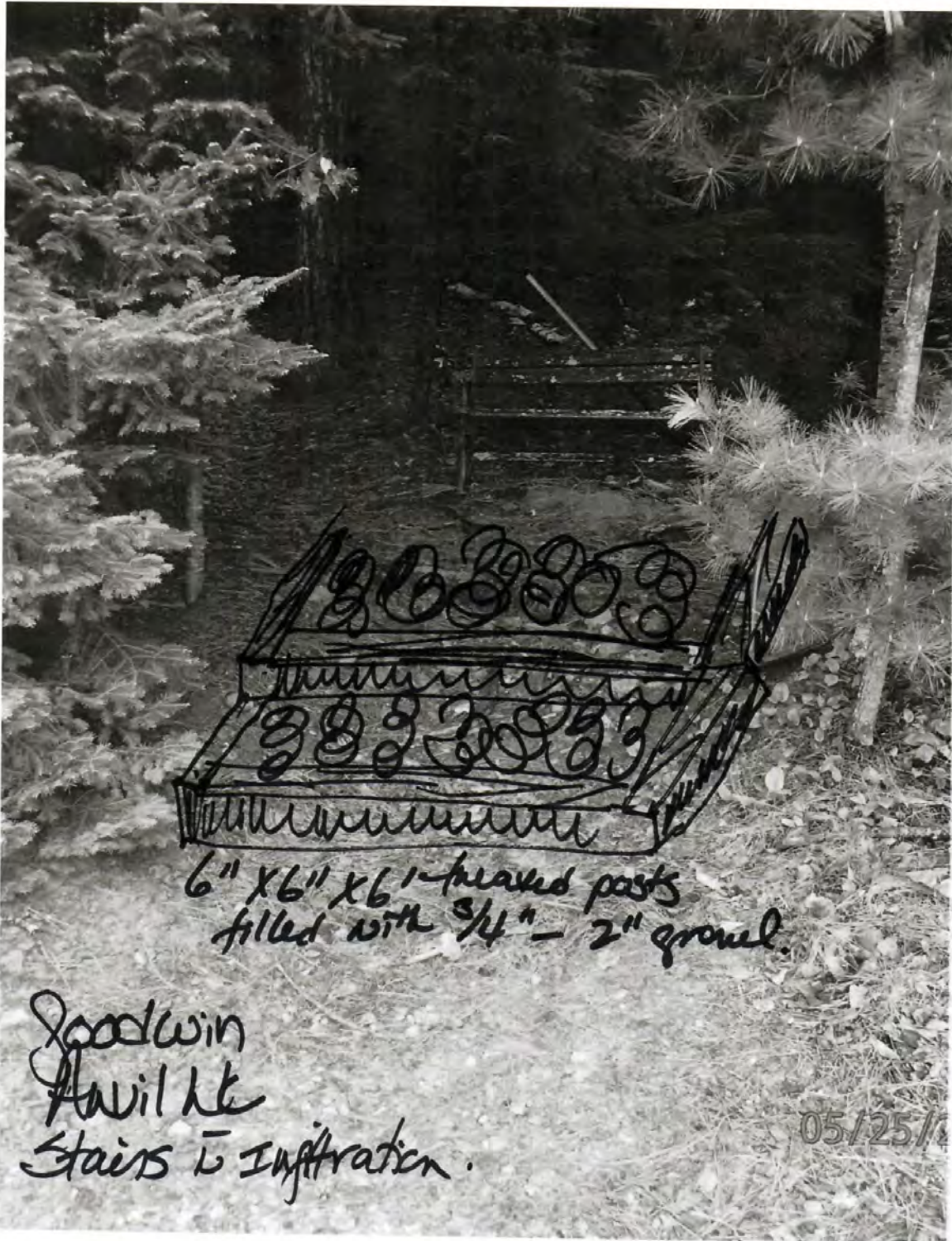
Drainage Area Captured: 4' x 40' and 5' x 4.5'

Before Pictures In order, the first picture is of the rock infiltration areas. It now catches the rain water off of the roof. The second and third pictures are the areas that now divert water off the path to the lake. The fourth picture is the area at the end of the path that leads right to the lake. It now captures rain water off both the path and the roof line of the shed.









Goodwin
Avil Lt
Stairs to Infiltration.

05/25/12

Example Stairs
to
Goodwin Avil Lt.



During Pictures: In order, the first picture is the rock infiltration area being dug out and lined. The second picture is the other rock infiltration area being framed.



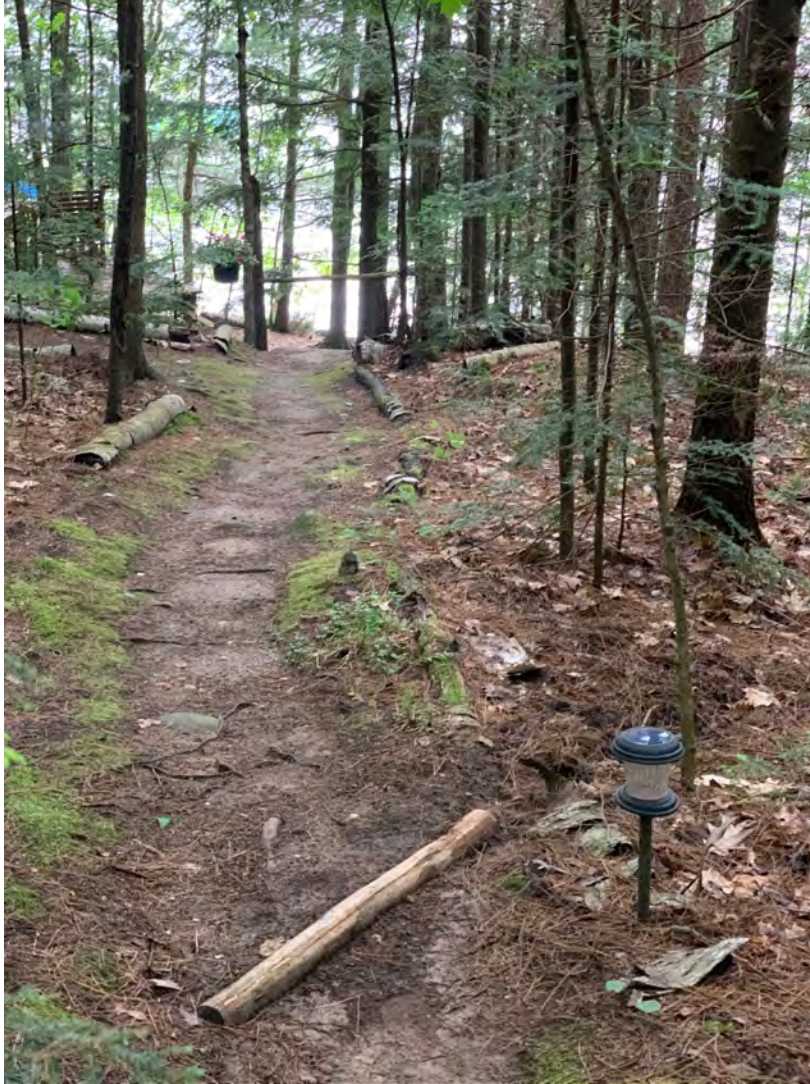


After Pictures: In order, pictures 1 and 2 are of the rock infiltration that captures the roof run off. Pictures 3-5 are of the diversion down the path to the lake. Pictures 6-7 are of the rock infiltration area at the end of the path and near the lake entry.















Summary-We are very pleased with the success of our projects. After the completion of the projects and when it was raining we made several observations to see if the diversions and the rock infiltrations were working as planned. To our delight it was evident they were. When we were in the process of completing the project we hosted a gathering of Anvil Lake Association members to our cabin to see the project and hear about the opportunity. The information was well received and we believed potential interest in future projects. We are appreciative of the funding of the project and will continue to spread the word about the grants and of keeping our lake healthy. Thank you.