

MEADOWBROOK CREEK STREAMBANK STABILIZATION AND FISH SPAWNING HABITAT IMPROVEMENT PROJECT

The Meadowbrook creek project construction “work days” started on September 12th, 2019. Materials were purchased in August, but the real hands-on dirty work started in September removing buckthorn and other invasive species. The [Walleyes for Tomorrow work crew](#) removed buckthorn and other invasive species along the creeks banks and shredded and burned the wood on site. Care was taken to only drive the tractor and 1 truck into the site to avoid disturbing the vegetation surrounding the project area.



Any disturbed soil was immediately seeded and mulched to avoid any potential for future erosion.



The Lake Pewaukee Sanitary District “lake crew staff” then came in with the bio-logs and staked them at the edge of the hard bottom where the erosion started. The bio-logs were staked heavily in place with donated hardwood stakes pounded to resistance. Native sedges (conducive to fish spawning) were placed approximately 1 foot apart down the choir logs and lots of plants were planted on the bank in anticipation of them spreading and connecting over time.



Hardwood was placed behind the logs and “duck billed” anchored in place.

Recycled wood and Christmas trees filled some of the voids behind the bio-logs to allow sediment to drop in and eventually providing the soil for the native plants to spread out in and flourish, providing the streambank protection and fish spawning habitat.



Below is a photo as the south streambank after construction mid-summer.



Next is a photo of the project as the plants started to flourish in late summer.



Late in the summer (October 19th) the LPSD summer staff took to the stream again to tackle the north side of the streams erosion issues. Fortunately there wasn't a buckthorn problem on that side in the location the biologists and native plants were to be installed. However heavy sediment made the work challenging to do. Chest waders were a necessity.



A jon boat assisted in getting the native plants across and many flats of plants were installed.



More pictures and details will be collected as the project continues to move forward. We have heard the Ruckert-Mielke environmental staff are planning to volunteer in April for an “Earth Day” project. The Walleyes for Tomorrow Volunteer group is also ready to roll on the next phase of the project.

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