

# VILLAGE OF NORTH FREEDOM



2018 FINAL GRANT REPORT

## SHORELINE AND FISH HABITAT RESTORATION

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# PROJECT SUMMARY

The North Freedom Park boat launch, canoe/kayak pier, and shoreline protection project was recently completed in November 2017. A River Management grant was obtained by the Village to develop shoreline protection along North Freedom Park, directly adjacent to the Baraboo River. One hundred and thirty feet in length of rip-rap was installed along the west side of the park's shoreline. The rip-rap placed over fabric was medium in size and angular, which allows for interlocking of the rock and prevents future scouring of the shoreline by the river. This size rip-rap has been recommended by WDNR Fisheries to be suitable for fish spawning if this happens. In addition, two areas of armor-flex matting were laid in between the rip-rap to allow fishermen to access the river shoreline for fishing. This concrete interlocking matting allows fishermen to safely access the water's edge for fishing at various locations along the newly protected shoreline area. These added scour protection measures will help prevent further sediment from entering the river from this location and help improve water quality.

The native seed mix listed below was spread over topsoil that top dressed the rip-rap last fall. In Spring/Summer 2018, the Village will review its germination to ensure these plantings developed along the shoreline. The shoreline area received a high quality blended grass seed equal to a native planting mix along a river bank for restoration. Plants included in the mix will not exceed a mature maximum height of 4-feet. Plantings in the mix may include:

- a. Virginia Wild Rye
- b. Black Eyed Susans
- c. Fowl Manna Grass
- d. Bristly Sedge
- e. Brown (Common) Fox Sedge
- f. Dark Green Bulrush
- g. Blue Flag Iris
- h. Boneset
- i. Monkeyflower
- j. Red Milkweed
- k. Sky Blue Aster
- l. Swamp Milkweed
- m. Sweet Flag
- n. Turk's Cap Lily

These plantings will allow for the shoreline to restore the overall look naturally and hide any exposed rip-rap. These improvements were completed directly adjacent to the ADA canoe/kayak launch/pier and new motorized boat launch. Additional shoreline protection occurred as part of those projects as well to the east of this stated project.

# FINAL PROJECT PHOTOS

## 1) Shoreline Restoration and Protection



2) Fish Habitat and Public Access



# PUBLIC OUTREACH

The results of the project have been shared at the following meetings:

- Dec. 11, 2017 at a Village of North Freedom Board meeting
- Jan 22, 2018 at a Village of North Freedom Parks meeting
- Jan 23, 2018 at a Juneau County Meeting
- Jan. 29, 2018 at a Friends of Baraboo Meeting
- Feb. 26, 2018 at a Baraboo River Corridor Meeting (group of municipalities who are part or will be joining the water trail)

There will also be a ribbon cutting for the project on May 12<sup>th</sup>. The Friends of the Baraboo River plan to invite the public along with Village personnel to see the project. The region's State Senator and House Representative have been notified of the project and hope to participate in the ribbon cutting.