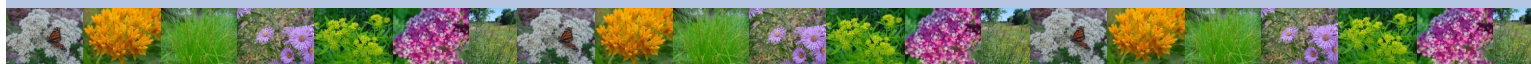


PLAISTED PROPERTY BANK STABILIZATION OAK GROVE, MN



Project Summary

A 200-foot section of Rum Riverbank in Oak Grove was one of the two highest ranked sites in Anoka County for stabilization, contributing some of the most significant documented pollutant loading to the Rum River. Bank heights exceeded 20-feet, and estimated erosion rates approached one-foot per year. This segment is immediately downstream of a 735-foot stabilization project installed in 2024, but became possible well after the rest with the sale of the property. The stabilization project utilized hard armoring of the toe with rock riprap to a two-year flood elevation. The entire upper bank was graded back to provide a stable slope. Native seed, blanket, hydro-mulch and live stakes were applied and planted to fully vegetate the bank. Additional vegetation establishment work is planned for 2025.

Stabilization of the bank will provide estimated annual reductions in TSS (280 tons) and TP (238 lbs) to the Rum River and enhances 200-foot and ~0.25 acre of riparian habitat. Project design, administration, and construction oversight were provided by ACD with engineering assistance from Stantec. The project was funded with grant dollars from the Clean Water Fund and Outdoor Heritage Fund (OHF), with match from landowner, and Anoka County.



Post-construction November, 2024. Photo faces downstream.

Project Specifications

Date Installed..... November 2024
Project Length..... 200 feet
Bank Height..... 20 feet
Habitat Enhanced.....0.25 acre
TP Reduction238 lbs/year
TSS Reduction.....280 tons/year

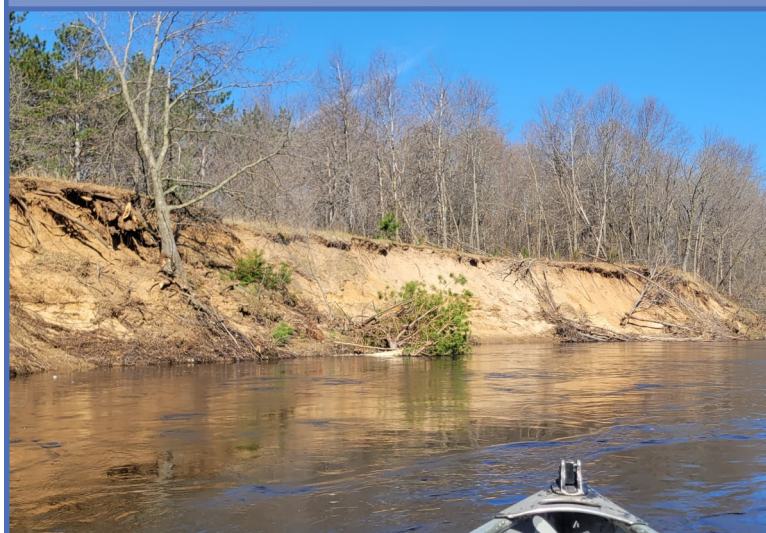
Project Cost

Admin., Design, and Construction Oversight (ACD)..... \$17,859.88
Engineering\$3,263.25
Materials \$58,661.65
Installation\$86,365.22
Total Project Cost\$166,150.00

Project Funding

CWF Grant..... \$84,481.11
OHF Grant\$46,412.01
Anoka County Match..... \$17,455.42
Landowner Match (in-kind) . \$17,109.00
ACD In-Kind Match.....\$692.46
Total Project Funding \$166,150.00

Project Details



Prior to project installation, this site was one of the fastest receding Rum Riverbanks documented in Anoka County, contributing one of the most significant direct pollutant loads to the river each year.



Rock riprap was used to armor the toe to a two-year flood elevation. The bank above was graded, seeded, blanketed, hydro-mulched, and live-staked to promote vegetation establishment.