Environmental Sustainability Fund – Final Report

Beaver River Watershed Initiative: Little Beaver Creek Repair and Restoration

Title	Little Beaver Creek Repair and Restoration
Recipient organization	Grey Sauble Conservation Authority / Beaver River Watershed Initiative Andy McKee, Chair BRWI Brad Mulligan, Project Chair, BRWI
Key partners	MNRF-Stewardship Rangers. The stewardship Rangers were a crew of 5 summer students who were supervised by the BRWI and Freshwater Conservation Canada (FCC, formerly Trout Unlimited) to remove debris, and log jams to restore a more natural stream channel in the Little Beaver Creek. FCC biologists and technicians are specialists in stream rehabilitation and worked with the BRWI throughout the project.
Volunteers deserving recognition	Mikael Schultz, BRWI treasurer worked hand in hand in the stream for the duration of the project. David Penny, (developer and owner of "Fish Culvert") assisted BRWI to restabilize the Fish Culvert on the Little Beaver Creek. Austin Caldwell, owner of Woody's Arborists, was hired but worked hard beyond the scope of his profession.
Number of people engaged	Andy McKee, BRWI, Chair Brad Mulligan, BRWI, Project Lead Mikael Schultz, BRWI FCC Staff – 4 people MNRF – 5 people Ray Fulford, Fulford Excavation, High Hoe operator
Overview of project	Since the installation of the Fish Culvert in 2022 which has allowed migrant fish to access the Little Beaver, the BRWI has been working to restore the Little Beaver Creek. The work has, reduced flooding potential, removed silt and debris, improved water quality and heightened community

	awareness of the Little Beaver and its environmental importance to TBM.
Description of project activities	August 20th Restabilized fish culvert on the Little Beaver Creek – 4hrs Stream Rehabilitation on the Little Beaver Creek between Napier and Duncan Streets- 6hrs August 21st Installation of 7 large log wing deflectors on the main Beaver River just downstream of the outlet of the Eugenia Power Plant. August 22nd Stream Rehabilitation of the Little Beaver downstream of Napier Street- 6hrs
Challenges and changes to the project	The main challenge was the very rugged working conditions. Access to the problem areas was sometimes difficult and required caution and hard physical labour. Potentially dangerous overhead trees and large branches required the arborist to identify and deal with safely. All volunteers were briefed about the work sites and how safety was a priority. Consequently, the work was done in a safe and orderly fashion and the project a success.
Outcomes and metrics of success	• Improved water quality • Decreased flooding potential • Improved fish habitat • Decreased sediment • Decreased erosion of stream banks • Heightened community awareness of the potential of the Little Beaver Creek to become a ecological asset to the area
Pictures and Media	Please see attached photos
Contact information and website	https://www.facebook.com/WWW.BRWI/ Andy McKee, Chair, BRWI www.brwi@gmail.com
Environmental Sustainability Fund Disbursement Amount	$5,000

Little Beaver Creek Repair and Restoration 2025 – Photos

Before large willow removal, Duncan St.

After removal

A

Arborist at work on Willow at Duncan St

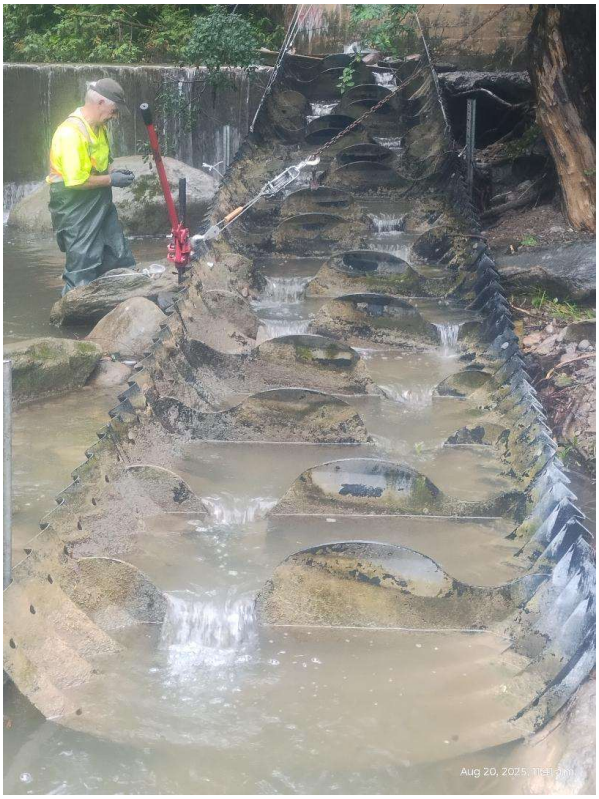
After removal – should help with flooding damage in future

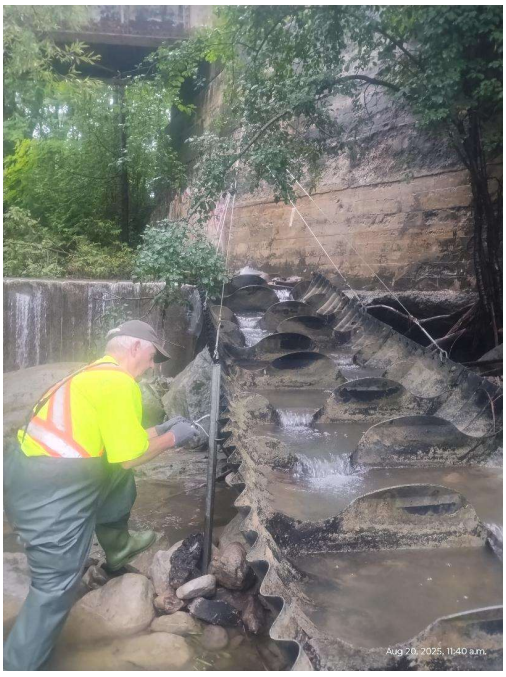
Example of Blockage before

After blockage removal

Another example - blockage before

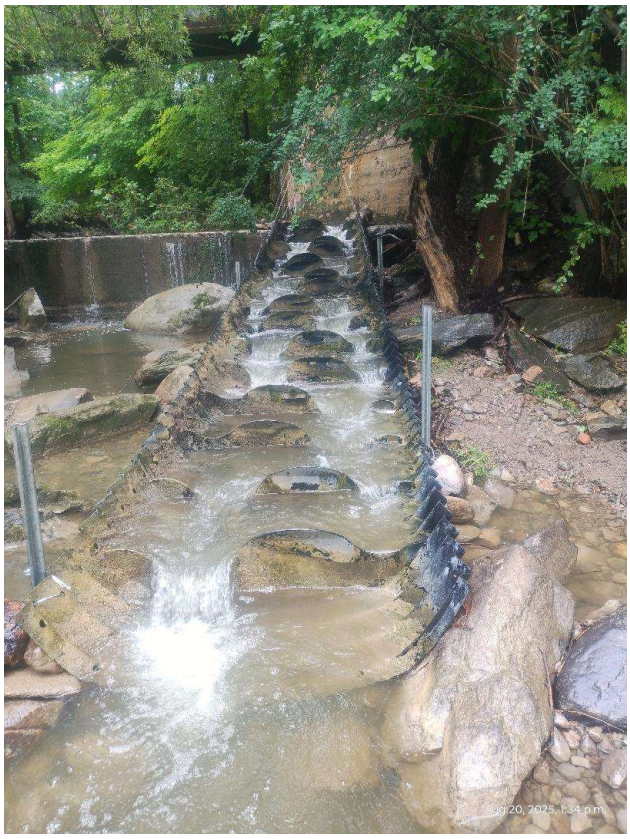
After blockage removal





Stabilizing Fish Culvert

Secured with rocks



Finished stabilizing

Before log deflectors to prevent bank erosion

Installation of log deflectors

Little Beaver Crew- MNRF rangers, Freshwater Conservation Canada staff, Arborist, BRWI volunteers

Main River deflector logs installation crew -Freshwater Conservation Canada staff, Arborist, BRWI volunteers, MNRF crew had left.