

**SHORELINE RESTORATION EFFORTS TO LIMIT SILTATION TO
ATLANTIC SALMON HABITATS IN THE NEPISIGUIT RIVER**



Technical report

for



**RRWMC
CGBVRR**

October 28th, 2021

Executive summary

The goal of this project was to improve the environment in and around the waters of the Nepisiguit River and namely, the Mi'gmaq community of Pabineau, NB. Based on budget and feasibility, three of the sites identified in the technical report of the "Comprehensive shoreline restoration plan to limit siltation to Atlantic Salmon habitats in the Nepisiguit River" (GMRC, 2020) were selected. An occupation permit and environmental permit, on behalf of the Restigouche River watershed Management Council were obtained. The work was conducted on Oct. 26th and 27th of 2021 and supervised by the sub-contractor LeBlanc Multiresources.

SITE 1: Below Cable Pool site.

Location: 47° 29.896' N / -065° 40.878' W PID: 00000002



This site is used to launch/retrieve recreational boats and also has exposed soil. The trail has been improved to create a more effective launching area for recreational boats by creating a stable trail with 0-3" rocks. Bank has been also stabilized with coconut membrane and tree/shrubs planting to prevent further erosion. The parking has been reconfigured to direct water away from the river.

Machinery and materials

- Excavator 4 hours
- Compactor 1 hour
- 3 Pit run gravel loads
- 1 top soil load
- 1 x 0-3" rocks load
- 1 x 0-3/4" gravel load
- 50 trees and shrubs and mixed seeds
- Coconut membrane
- Straw

Before and after pictures



SITE 2: Long Hole pool

Location: 47° 29.087' N / -065° 40.147' PID: 20379624



A narrow-wooded road leads to this beautiful pool that both ATVs and trucks use. Adjacent to the parking area is a trail that leads down to the river used by vehicles. Access to river to ATVs has been blocked using large size rocks (16), only a foot trail remains. Runoff and sedimentation has been fixed by adding a coconut membrane, top soil, seeding and shrub planting. The access road was fixed by filling large pot holes, covering entire surface and by doing diversion ditches. Entire road was compacted.

Machinery and materials

- Excavator 12 hours
- Compactor 1 hour
- 26 Pit run gravel loads
- 2 Rocks loads (16 rocks total)
- 50 trees and shrubs and mixed seeds
- Coconut membrane and straw

Before and after pictures

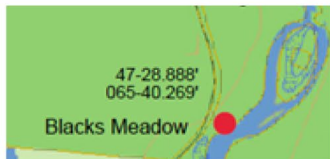


Before and after pictures (continued)



SITE 3: Blacks Meadow site.

Location: 47° 28.888' N / -065° 40.269' PID: 20379624



In 2018, the Department of Natural Resources and Energy Development blocked, with rocks, the entrance to a trail leading down a fairly steep slope that was giving access to the river. Individuals soon moved these rocks to, again, to allow ATVs to go down. Without the rock barrier, and both ATV and vehicle traffic, this created runoff and sedimentation to the river. The restoration work included putting back larger rocks anchored in the ground, allowing only foot traffic to the river. Shrubs and trees have been planted on the trail.

Machinery and materials

- Excavator 1 hours
- 50 trees and shrubs and mixed seeds

Before and after pictures



