

NELSON

Case Study · Riverbank Restoration

Remedial excavation and bank restoration, Calgary.

7,000 tonnes of contaminated material removed from a historic landfill on the Bow River bank, followed by bioengineered bank restoration and fish habitat enhancement.

BOW RIVER · CALGARY · ALBERTA

7K t
Contaminated material excavated

Fish habitat
Enhanced through restoration

0
Lost time injuries

THE WORK

A silt curtain isolated the work area from the Bow River, and excavation ran inside a restricted activity period. The native channel bed was excavated behind the silt curtain to build riprap toe protection.

The bank was rebuilt with vegetated soil wraps and hedge brush layers, large woody debris with rootwads for fish habitat, and native seed, shrubs and trees.

PROJECT RECORD

CLIENT	Residential property owner (confidential)
SITE	Former landfill on the Bow River bank, Calgary
SCOPE	Isolation, excavation, riprap toe, bioengineering, fish habitat, planting
COMPLETED	2020

NELSON ROLE	Prime contractor: care and control of the site for the full project
CONTAMINANTS	Historic landfill debris and contaminated material
VOLUME	7,000 t excavated
RESULT	Bank stabilized and revegetated; habitat enhanced