



SOUTH NATION
CONSERVATION
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Shield's Creek Shoreline Rehabilitation

During 2014 Steam Watch and 2015 OSAP monitoring, South Nation Conservation (SNC) identified four areas of Shield's Creek experiencing impacts related to sedimentation and erosion.

In an effort to ensure the health of fish habitat and maintain water quality, SNC with assistance from professional and technical staff and the City of Ottawa, designed and constructed three stream remediation projects. Work included erosion control and improvements to the riparian corridor, through tree and shrub plantings.

The four completed projects have improved bank stability, controlled erosion, and reduced the sedimentation into Shield's Creek.



Project 1



Project 2



Project 3



Project 4

Project Summary

The first project was completed to naturally fill in a formerly constructed pool. B.C. Douglas Fir logs were placed to outline a new shoreline, and riparian shrubs were planted along the bank.

The second wall involved the construction of a crib wall, to stabilize the shoreline where severe erosion was present.

The third project required the bank to be graded back in areas of high undercutting. This allowed coconut fiber logs to be installed along the water. Shrubs and trees were also planted to create an erosion control blanket.

Border timbers were installed around the playground on-site, to eliminate the spillage of sand into the stream. The borders will help to contain the sand, reducing erosion and improving water quality.