

Murray Creek 2010 Projects

Project Number: FSWP – 10-1 - Before

Location: Alan Martens – Gravel Pit Rd off Larsen Rd

General Description and issues: Undersized culverts removed and replaced with arch culvert

Future needs: Continue riparian planting above and below installation

Funder: PSWP

Before: Road washed out for a mile in heavy snow years and then re-entered Murray Creek downstream. Chinook salmon fry found in plunge pool prior to removal and replacement



Murray Creek 2010 Projects

Project Number: FSWP – 10-1- After

Location: Alan Martens – Gravel Pit Rd of Larsen Rd

Outcomes: Meets flow requirements and provided fish passage and increased stream availability
Increased stream length: 800 meters plus.

Investment:

Funders investment:

Landowner investment: EFP - \$

Donations: Arch Culvert \$10,000

Total Investment:

After: Fry were moving through new culvert within minutes of completion



Murray Creek 2010 Projects

Project Number: HCTF – 10-2 Demo Site - Before

Location: Alan Martens – Gravel Pit Rd off Larsen Rd

General Description and issues: Decades of heavy use created the situation

Future needs: Continue riparian planting

Funder: HCTF

Before: Heavily used pasture, no riparian zone, banks have lost structure



Murray Creek 2010 Projects

Project Number: HCTF -10-2 Demo Site - After

Location: Alan Martens – Gravel Pit Rd off Larsen Rd

General Description: Stream started to channelize in the first spring after, area fenced off from cattle and cattle restricted to one site for watering

Future needs: Off channel waterier to be installed east of this site

Outcomes: Investment:

Funders investment:

Landowner investment:

Donations:

Total Investment:

After: Banks stabilized, willows and red osier planted



Murray Creek 2010 Projects

Project Number: HCTF – 10-2 Demo Site

Location: Alan Martens – Gravel Pit Rd off Larsen Rd

General Description and issues: Decades of heavy use created the situation

Future needs: Continue riparian planting

Funder: HCTF

After: This site is used as a demonstration site to show what can be done to repair using Bio-engineering. The site is used by School District 91 for Project Agriculture, University of Northern BC for graduate studies and Northern Health as they collaborate with the Northern Regional Drinking Water Team to better understand the linkages between healthy watersheds and human health.



Murray Creek 2010 Projects

Project Number: HCTF -10-2 Demo Site

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Future needs: Off channel waterier to be installed east of this site

Outcomes: Investment:

Funders investment:

Landowner investment:

Donations:

Total Investment:

After: Bottom portion of Demo site with banks stabilized, willows and red osier planted



Murray Creek 2010 Projects

Project Number: FSWP 10-03 - Before

Location: Tom Silvers, 1 mile up from mouth of Murray Creek

General Description and issues: Narrowing of flood channel upstream increased velocity

Future needs: Monitoring

Funder: Fraser Salmon Watershed Program

Before: Unauthorized work upstream caused stream to start cutting a new channel, jeopardizing foundation of house. This was moving more silt downstream and also increasing stream velocity.



Murray Creek 2010 Projects

Project Number: FSWP 10-03 - After

Location: Tom Silvers

General Description:

Future needs: Monitoring

Outcomes: Investment:

Funders investment:

Landowner investment: nil

Donations:

Total Investment:

After: Rock and log structure installed that allowed stream to meander and continued to utilize old channel.



Murray Creek 2010 Projects

Project Number: FSWP 10-04 - Before

Location: Vern Reimer. End of Ericson Road

General Description and issues: Banks had lost their structural integrity along with the breakage of a beaver dam years earlier that moved the stream channel against the clay bank and eroded large section of bank downstream

Funder: Fraser Salmon Watershed Program

Before: 2009



Murray Creek 2010 Projects

Project Number: FSWP 10-04 -after

Location: Vern Riemer

General Description:

Future needs: additional planting of willows, alders and conifers. Additional fencing in a couple of spots will happen

Outcomes: Investment:

Funders investment:

Landowner investment:

Donations:

Total Investment:

After: Rock and log structures installed along with deciduous cuttings that took well.



Murray Creek 2010 Projects

Project Number: 10-05- after

Location: Striegler Pit Road

General Description: Silt was moved down the ditch line in heavy rains and was silting Murray Creek up. L&M Lumber had the ditch lined with cobble and installed an additional side culvert that moved this water into the forested land before entering the stream

Future needs: Monitoring

Funder: L&M Lumber Ltd.

Donations: \$2500.00

Total Investment: \$2500.00

After



Murray Creek 2010 Projects

Project Number: 10-05-after

Location: Striegler Pit Rd

General Description and issues: Silt was washing down ditches of logging road and flowing into Murray CK.

Funder: L&M Lumber took this project on as soon as it was identified

After



Murray Creek 2010 Projects

Project Number: 10-06 – Before and after

Location: McLeod Rd – “Grannies”

General Description: David Martens and Sons (DMS)- previous land owner had put the stream “where it belongs” and had farmed through the stream. DMS fenced off the main stream, hardened of four stream crossings for machinery and cattle watering and planted stream sides with willow

Future needs: addition planting of conifers and deciduous species

Funder:

Donations:

Total Investment:

After



Murray Creek 2010 Projects

Project Number: 10-06

Location: McLeod RD -"Grannies"

General Description: DMS

Future needs: additional planting of willows, alders and conifers.

Outcomes:

Investment:

Funders investment:

Landowner investment:

Donations:

Total Investment:

After; hardened off stream crossing. One of four

