

Naturally Functioning Riparian Ecosystems

Ultimate Goal

Long Term Outcomes – Environmental Conditions

Improve the health of riparian habitat

Increase riparian restoration

Reduce the amount of riparian habitat being impacted

Medium Term Outcomes – Behaviour Change.

Note: grey shading = Priority Behaviour Change

Outcomes (changes we see)

Improve grazing management in riparian areas on Crown Land

Decrease motorized recreational use in wetland/riparian areas

Improve sediment and erosion control practises on access/utility development adjacent to riparian areas

Increase the amount and width of riparian areas excluded from pasture and cultivation

Reduce riparian damage from water licence access and overdrawing

Reduce the amount of urban storm-water runoff into streams, improve the quality of storm-water discharge and reduce snow removal deposit in riparian habitat.

Increase riparian vegetation retention along right-of-ways and stream crossings

Reduce hardened bank armouring and increase the use of soft engineering (ex. CWD, bioengineering)

Improved consistency in communication from government agencies about the value of riparian habitat

Increase the voluntary restoration of riparian vegetation by homeowners

Increase/improve restoration of riparian areas at mine sites

Increase riparian restoration by stewardship groups

Improve riparian restoration when deactivating old stream crossings

Increase restoration of unauthorized riparian alteration through engineers orders, habitat officer orders, DFO directives, and Shoreland Mgmt Policy enforcement

Increased dialogue between regulatory agencies and developers before development occurs

Increase retention of riparian buffers on private land during urban and rural development

Increase protection of riparian vegetation on residential lakeshore and streamside properties

Increase the occurrence that legislated decision makers will constrain development in riparian areas

Increase in compliance with the Water Act, Fisheries Act and the Environmental Mgmt. Act

Reduce mining activities in riparian areas (fords, settling ponds, camps, placer)

Reduce the occurrence of draining and /or infilling of wetlands

Increase riparian retention during forest harvesting

Reduce new access/utility construction through riparian areas (IPP, Hydro, roads, subdivision)

Reduce the number and clearing width footprint at new stream crossings

Increase retention of riparian buffers on private land during urban and rural development (before landscape changes)

Local private surveyors

Developers

Cariboo Regional District staff

City of Williams Lake, Quesnel and 100 Mile (planners, operations managers, field staff, city surveyors)

Local Equipment Operators

Local stewardship groups

Residents in affected neighbourhoods

BC Parks

CN Rail

Integrated Land Management Bureau

Ministry of Transportation

Real Estate Board

Local realtors

BC Lake Stewardship Society

Fisheries and Oceans Canada (DFO)

Ministry of Environment

Increase protection of riparian vegetation on lakeshore and streamside properties (protection of what is already there)

Residential and commercial property owners with riparian vegetation on their property

Residents in affected neighbourhoods

Local Equipment Operators

Cariboo Regional District staff

City of Williams Lake, Quesnel and 100 Mile (planner, operations managers, field staff, city surveyors)

Family members of property owners

Local stewardship groups

Integrated Land Management Bureau

BC Lake Stewardship Society

Fisheries and Oceans Canada (DFO)

Ministry of Environment

Reduce the amount of urban storm-water runoff into streams, improve the quality of urban storm-water discharge in the region and snow removal deposit in riparian habitat

City of Quesnel , Williams Lake and 100 Mile (planners, operations managers, field staff)

Ministry of Transportation

Union of BC Municipalities

Downstream communities, property owners and First Nations near Quesnel

Homeowners

Business owners

Developers

Urban Systems

Cariboo Chilcotin Conservation Society Water Wise Program

Baker Creek Enhancement Society

Fisheries and Oceans Canada (DFO)

Ministry of Environment

Increase the amount and width of riparian areas excluded from pasture and cultivation

BC Cattlemen's Association
Farmland Riparian Interface Stewardship Program
Local BCCA chapters
BC Agriculture council (funding?)
Environmental Farm Plan assessors
Ranchers
Farmers
Hobby Farmers
Second generation ranchers/farmers
Ministry of Agriculture and Lands
DFO
ILMB
Ministry of Forests and Range (feeding on crown land? Exchange with crown land?)
First Nations
Archaeological Impact consultants
Federal agriculture, environment and FN agencies
Ministry of Environment EP
Ducks Unlimited
Stewardship Groups
Program that ranchers liked
BC Livestock

Improve grazing management in riparian areas on Crown Land

Ministry of Forests and Range
FREP – Riparian Assessments
BC Cattlemen's Association
Farmland Riparian Interface Stewardship Program
Local BCCA chapters
Environmental Farm Plan assessors
Ranchers
Second generation ranchers
DFO
First Nations
Archaeological Impact consultants
Federal agriculture, environment and FN agencies
Ministry of Environment
Ducks Unlimited
Stewardship Groups
Program that ranchers liked
BC Livestock
Check with MoFR Range staff