

2019-20 Approved Projects in the Kootenay Region

Project Name	Project #	Project Description	Grant Amount	Contact Information
Fisheries O&M - Kootenay	4-64	Operation and maintenance of two West Kootenay kokanee spawning channels which support a genetically unique strain of kokanee and associated ecosystem and sport fishery benefits.	\$53,500.00	Matt Neufeld MFLNRORD 250-354-6353 matt.neufeld@gov.bc.ca
Gerrard Rainbow Trout Critical Monitoring	4-248	This project monitors the conservation status of Gerrard rainbow trout by estimating escapement through spawner counts, protecting spawners, estimating harvests of these fish in the Kootenay Lake sport fishery, and monitoring critical spawning habitat parameters.	\$34,000.00	Matt Neufeld MFLNRORD 250-354-6353 matt.neufeld@gov.bc.ca
Kootenay Conservation Program (KCP)	4-345	Kootenay Conservation Program (KCP) is a highly successful partnership program that focuses on securement and stewardship of high value private conservation lands while building the capacity of, and serving as a network for our 80+ partner organizations.	\$30,000.00	Juliet Craig Nature Trust of BC 604-924-9771 manager@ kootenayconservation.ca
South Rockies Grizzly Bear Inventory	4-410	We have been monitoring grizzly bear population trend in wildlife management units 4-01, 4-02 and 4-23 since 2006. We now intend to focus on understanding and mitigating the causes of non-hunting mortality, especially when it is not reported nor recorded in the provincial mortality data.	\$75,000.00	Garth Mowat MFLNRORD 250-354-6142 garth.mowat@gov.bc.ca
Kootenay Region River Guardian Program	4-444	River Guardian presence in eight Kootenay Region classified watersheds with the objective to maintain or improve the quality of angling in these systems and protect native sport fish populations. River Guardians will provide a compliance presence, educate public, anglers and other stakeholders, and collect angler survey data and biological/inventory data.	\$127,500.00	Kevin Heidt MFLNRORD 250-489-8556 Kevin.Heidt@gov.bc.ca

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Boundary Restoration and Enhancement Program	4-461	This project will improve habitat quality, resiliency and forage availability for ungulates and other native species by restoring or enhancing degraded habitats in a range of ecosystems across the Boundary. This project will build community stewardship and technical capacity through the use of partnerships and local contractors.	\$44,570.00	Lisa Tedesco MFLNRORD 250-354-6163 lisa.m.tedesco@gov.bc.ca
Kootenay Mule Deer Survival Monitoring	4-510	This project will assess factors limiting mule deer population growth in 4 study areas in the Kootenay Region by monitoring adult female survival, cause of death and fawn recruitment.	\$43,400.00	Patrick Stent MFLNRORD 250-489-8578 Patrick.Stent@gov.bc.ca
Determination of Gerrard Rainbow Trout Stock Productivity at Low Abundance	4-539	This project will obtain critical information on the stock productivity parameter for Gerrard Rainbow Trout at low abundance. The information is vital in defining important biological reference points for conservation and management of this unique ecotype on Kootenay Lake. Data will provide important information on the maximum reproductive rate of this stock which can only be obtained under low stock abundance.	\$52,994.00	Greg Andrusak MFLNRORD 778-698-9237 greg.andrusak@gov.bc.ca
Bull River Bighorn Sheep: Herd Health and Movement Dynamics	4-546	This proposal is to support the ongoing deployment of GPS collars as they continue to function and provide movement data and the potential for mortality investigations. There are 9/11 collars remaining on the Bull River herd, and 3/4 remaining on the Galton herd. The continued data fees and monitoring costs to maintain these 12 collars on bighorn sheep within these two herds is warranted given the 40% population decline in the Bull River herd, and the continued concern over contact with domestic sheep in both the Bull River and Galton herd ranges.	\$9,825.00	Jeremy Ayotte Phyla Biological Consulting 250-804-3513 jeremy.ayotte@gmail.com
Elk Valley Heritage Conservation Area (Year 3 of 3)	4-548	This Land Stewardship Grant will be used for land management planning, public access management, wetland restoration and invasive plant removal. Funding amount is over three year term.	\$30,476.00 over 3 years	Chris Perrin The Nature Conservancy of Canada 250-479-3191 chris.perrin@natureconservancy.ca

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Determination of Bull Trout Stock Productivity at Low Abundance	4-555	Obtain critical information on the stock productivity parameter for Bull Trout at low abundance. The information is vital in defining important biological reference points for conservation and management for this species on Kootenay Lake. Data will provide important information on the maximum reproductive rate of this stock which can only be obtained under low stock abundance.	\$52,919.00	Greg Andrusak MFLNRORD 778-698-9237 greg.andrusak@gov.bc.ca
Invasive plant management on bighorn sheep winter ranges	4-556	This proposed project involves a comprehensive and collaborative approach to managing invasive plants on 3 critical bighorn sheep winter ranges: Bull River, Wigwam Flats and Columbia Lake East. This proposed continuing project is attempting to increase the quality of grasslands by reducing invaders and increasing forage species.	\$47,500.00	Irene E. Teske MFLNRORD 250-489-8551 Irene.Teske@gov.bc.ca
Diversifying MPB Clear-cuts for Small Mustelids: Green-tree Retention, Debris Piles, and Enhanced Riparian Habitats.	4-560	Restoration of wildlife habitat with combined habitat components after clear-cut harvesting of MPB-killed lodgepole pine stands. Three methods of habitat enhancement for small mustelids and their prey species to diversify clear-cuts include (1) green-tree retention, (2) woody debris piles, and (3) enhanced riparian zones.	\$29,000.00	Thomas P. Sullivan Applied Mammal Research Institute 250-494-7160 tom@appliedmammal.com
Quantifying rates and mechanisms of grizzly bear mortality in the Elk Valley	4-563	This project will use radiotelemetry to identify the rates and causes of bear mortality (reported and unreported) in a population of bears facing one of the highest human-caused mortality rates in the province. Currently, the degree of under-reporting is unknown and suspected to be high, and these uncertainties compromise science-based management of grizzly bears locally and provincially. This project builds on a large body of research and previously collected data to provide recommendations for pressing management concerns and to engage the community in grizzly bear conservation.	\$25,000.00	Clayton Lamb MFLNRORD 778-215-0334 ctlamb@ualberta.ca
Maintenance of Furbearers and Prey Species on Large Clearcut Openings Using Linear Piles of Woody Debris	4-576	This proposal is designed to investigate the responses of small mustelids and their prey species to piles of woody debris arranged in a linear configuration across large (50+ ha) clear-cut openings. Presence of these mammals in piles will indicate that these structures are effective as habitat in large clear-cut openings.	\$30,000.00	Thomas P. Sullivan Applied Mammal Research Institute 250-494-7160 tom@appliedmammal.com

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West Arm Spawning Channel Infrastructure Repair	4-578	West Arm spawning channels support wild kokanee conservation and a popular fishery (up to 4,000 angler days/year) which generates \$300,000 to \$600,000 annually to the local economy. This project aims to replace ageing infrastructure at these channels and therefore continue to supply stock conservation and fishery benefits.	\$90,000.00	Matt Neufeld MFLNRORD 250-354-6353 matt.neufeld@gov.bc.ca
Preserving the Ecological Function of BC's Freshwater	4-581	This project will monitor lakes in the Central Kootenay region for invasive mussels through veliger sampling and substrate monitoring.	\$15,000.00	Erin Bates Central Kootenay Invasive Species Society 884-352-1160 ebates@ckiss.ca
East Kootenay Invasive Mussels Monitoring Project	4-582	This project will monitor lakes in the East Kootenay region for invasive mussels through veliger sampling. Lakes proposed to be monitored include Tie, Windermere, Kooanus, Premier, Wasa, Whitetail, Whiteswan, Columbia, Moyie, St Mary, Surveyor's and Lillian.	\$17,305.00	Laura MacKinnon East Kootenay Invasive Species Council 250-299-2464 laura@ekisc.com
Elk movements and survival in the Elk Valley	4-586	Elk in the Elk Valley appear to have changed migration patterns in recent years. Productivity and survival of non-migratory and migratory elk in the Elk Valley may differ. This study examines elk movements and survival in the Elk Valley and will provide information to help make informed wildlife management decisions.	\$27,600.00	Sam Medcalf Sparwood and District Fish & Wildlife Association Director 250-425-5531 Smedcalf83@hotmail.com
Kootenay River Oxbow Restoration and Conservation Project	4-590	The goal of this seed project is to develop the information, actions, and partnerships necessary to develop a multi-year, multi-species restoration and conservation program for the Oxbow, home to many ecologically and culturally important species and habitats including degraded riparian camas meadows, and listed birds, bees, and ecological communities.	\$5,000.00	Brenda Beckwith Kootenay Native Plant Society Ethnoecologist 250-608-2115 Brbeckwith15@gmail.com
Evaluating grizzly conservation management: quantifying recovery in the South Selkirks	4-593	This project is a unique opportunity to quantifiably evaluate 15 years of conservation activities recovering a threatened grizzly bear population in the South Selkirks using a DNA-based population survey. The results will allow BC's first detailed, scientifically documented recovery process (from problem & solutions identification to solutions implementation, to realized conservation return) that will provide valuable input to the developing BC Grizzly Bear Management Plan.	\$12,664.00	Michael Proctor Birchdale Ecological 250-353-8072 mproctor@netidea.com

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<p>Habitat enhancement and connectivity improvement for <i>Ovis canadensis</i> at Bull River</p>	<p>4-597</p>	<p>Prescribed burning will enhance summer and transitional habitat to support the declining Rocky mountain bighorn sheep herd at Bull River. This project builds upon existing efforts to improve line of sight for predator avoidance and enhance forage on sheep winter ranges. The burn will improve habitat connectivity and provide safer migration routes to the winter range enhancement projects.</p>	<p>\$67,000.00</p>	<p>Ariana McKay MFLNRD 250-489-8557 Ariana.mckay@gov.bc.ca</p>
<p>Premier Lake Park & adjacent Crown land Prescribed Burn</p>	<p>4-602</p>	<p>BC Parks will be conducting a 300 ha prescribed burn on 150 ha of park land as well as 150 ha of adjacent Crown land in the spring of 2019. This project aims to enhance habitat for wildlife in the Premier Lake Park area and on adjacent Crown land by restoring grassland and open forest habitats.</p>	<p>\$78,429.00</p>	<p>Amanda Weber-Roy MFLNRD 250-489-8563 Amanda.weber-roy@gov.bc.ca</p>



Project 4-560 Diversifying Mountain Pine Beetle Clearcuts for Small Mustelids

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