HABITAT CONSERVATION TRUST FOUNDATION

2022-2023

APPROVED PROJECT LIST

FESBC Forest Enhancement Society of British Columbia

*Projects highlighted in green are co-funded by the Forest Enhancement Society of BC

*Final Grant amount may be subject to funding condition(s)

Approved Projects Taking Place in Multiple Regions

Project Name	Project #	Project Description	Grant Amount*	Contact Information
Ducks Unlimited Canada's BC Wetlands Conservation Partnership Program	0-247	The Wetland Conservation Partnership Program will rebuild engineered infrastructure supporting 55 hectares of wetland habitat between 148 Mile Marshes and Mayook Marsh. As well as complete preparation work including designs and permitting to rebuild another three engineered wetland projects in 2023 - 2024. Finally, the program will initiate two pilot projects with BC Cattleman's Association to restore and enhance wetland, riparian, and grassland habitat on rangeland throughout BC.	$219,509	**Sarah Nathan** Ducks Unlimited Canada 778-888-1706 s_nathan@ducks.ca
NatureKids BC: Nature Club Project	0-398	NatureKids BC's Nature Club Project builds the next generation of outdoor enthusiasts and lifelong environmental stewards through a strategy of youth engagement and action. This year, youth ages 5-12 in nature clubs across BC will learn about and take action for nature with 1,200 outdoor adventures, learning opportunities, and stewardship projects.	$32,523	**Rebecca Law** Young Naturalists' Clubs of BC Society 604-985-3059 executivedirector@naturekidsbc.ca
Monitoring of the Lower Fraser recreational sturgeon fishery through catch monitoring surveys and census reports	0-406	This project will continue to monitor guided and non-guided recreational catch and effort of white sturgeon in the lower Fraser River. The project involves the distribution and assessment of annual electronic (email) fishery questionnaires to licensed sturgeon anglers as well as analysis of guided angler catch and effort census data. Data are combined to give estimates of total white sturgeon catch and effort and angler demographics for the lower Fraser as well as track white sturgeon conservation license statistics over time. Results are used by fishery managers to monitor catch and effort trends in the fishery as well as provide critical information on the socio-economic benefits of the fishery and the impacts of potential angling regulation changes.	$1,000	**Colin Schwindt** Ministry of Forests, Lands, Natural Resource Operations and Rural Development 604-572-2180 colin.schwindt@gov.bc.ca
Conservation Land Operations and Management	0-451	This program provides funding to assist with the operation and management of approximately 115 significant wildlife habitat areas across British Columbia, overseen by the Nature Trust of BC or the Ministry of Forest, Lands and Natural Resource Operations and Rural Development.	$707,995	**Christina Waddle** Ministry of Forests, Lands and Natural Resource Operations and Rural Development 250 356-7669 Christina.Waddle@gov.bc.ca

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BC Wild Sheep Conservation and *Movi* Control Program	0-466	This internationally respected multi-stakeholder program is focused on finding effective long-term solutions to a controversial wildlife health issue. For over 20 years, the program has developed innovative outreach/education projects, piloted new techniques, and applied research in the management of wild sheep respiratory disease. Each of the partnered projects are driven by the need to fill knowledge gaps and encourage collective learning with the overall goal of supporting provincial policy to solve the problem of pathogen spillover from domestic sheep and goats to wild sheep across BC.	$60,000	**Jeremy Ayotte** Phyla Biological Consulting 250-804-3513 jeremy.ayotte@gmail.com
Grizzly Bear Coexistence Solutions	0-467	This project promotes coexistence between grizzly bears and rural residents using correctly installed and maintained electric fencing to prevent and mitigate conflicts, and provides grizzly bear safety education to a diversity of BC residents. As conflicts are reduced, and people are better educated about grizzly bear behaviour and provided with tools to mitigate conflicts, there will be an improvement in grizzly bear conservation status in BC and increased safety for bears and people.	$19,500	**Gillian Sanders** Sanders Environmental Services 250-366-4232 grizzlybearsolutions@ gmail.com
Got Bats? B.C. Community Outreach, Conservation, and Citizen Science	0-476	"Got Bats?" is a network of community bat projects across BC that promotes bat conservation through: 1) education and outreach to raise awareness of threats to bats and to recruit local bat stewards, 2) detection, protection and monitoring of bat roosts, 3) province-wide Citizen Science involvement to engage the public and detect population declines due to White-nose Syndrome and other threats, and 4) enhancement of habitat including installation of bat boxes. Implemented by local, established stewardship organizations with direct landowner contacts in each region, the importance of this initiative has been widely recognized and supported by the BC Government and BC Bat Action Team (BC Bat Action Team, 2020).	$79,730	**Katie Calon** BC Conservation Foundation 604-576-1433 kcalon@bccf.com

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NABat, BatCaver, and Beyond: Protecting BC's Bats	0-511	White-Nose Syndrome, a fungal disease that has devastated bat populations in eastern North America, is spreading in the west. WCS Wildlife Conservation is leading the implementation of the North American Bat Monitoring (NABat) and BatCaver Programs in BC with biologists, community scientists, and cavers to identify and monitor important bat habitats, and establish baseline species compositions and relative activity prior to the arrival of the disease.	$69,943	**Justina Ray** WCS Wildlife Conservation Society Canada 416-795-1636 jray@wcs.org
Provincial White Sturgeon Management Working Group Support	0-519	This project will obtain support for the coordination and development of a management working group for White Sturgeon in BC. Increasing concerns related to White Sturgeon in the Fraser River including reassessment by COSEWIC and potential re-designation under SARA, increased First Nation concerns, the rapid growth of the recreational fishery, and other potential stressors to the populations from anthropogenic factors (habitat, pollution and by-catch mortality) require immediate management attention.	$7,624	**Greg Andrusak** Ministry of Forests, Lands and Natural Resource Operations and Rural Development 250-505-4116 greg.andrusak@gov.bc.ca
Protecting BC Bats: Probiotic prophylaxis for white-nose syndrome	0-536	White-nose syndrome is spreading in the Pacific Northwest and the two most common building-roosting bats are now experiencing the highest mortality of any of the 14 hibernating bat species. If unchecked, this disease is expected to devastate some western bat populations as it has in the east over the past decade. WCS Canada, partnering with Thompson Rivers and McMaster universities, is expanding the probiotic project in the Pacific Northwest to protect significant maternity colonies and quantify its ability to protect bats from WNS.	$60,200	**Justina Ray** WCS Wildlife Conservation Society Canada 416-850-9038 dblouin@wcs.org
Determining factors affecting moose population change	0-541	This project will enable new and continued information flow on moose population trends required for management decisions by assessing calf and cow survival rates and calving rates. These demographic parameters are primary drivers of population trends and key research gaps identified from the initial 5-year (2013-2018) Provincial Moose Research Project.	$50,000	**Morgan Anderson** Ministry of Forests, Lands, Natural Resource Operations and Rural Development 250-649-4392 morgan.anderson@gov.bc.ca

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Quality Waters Strategy - West Coast	0-545	This project focuses on the Classified Waters of Haida Gwaii. The work will include a River Guardian program to assess and enhance regulatory compliance of sport steelhead fisheries. Stock assessment will also be undertaken on the Yakoun River and an assessment of fishery impacts to cutthroat trout on the Tlell River.	$26,000	**Mike McCulloch** Ministry of Forest, Lands and Natural Resource Operations and Rural Development 250-751-3156 mike.mcculloch@gov.bc.ca
Cougar predation and harvest in a changing landscape	0-567	This project will fit GPS collars to 40 adult cougars in order to quantify their predation rates, movement behaviour, and habitat supply. Taking place across three study areas in southern British Columbia (Okanagan, Boundary, and East Kootenay) which overlap with ongoing studies on GPS-collared mule deer, white-tailed deer, and bighorn sheep. The GPS-collar data inform where and when cougars are killing prey providing a unique opportunity to estimate how often and what prey species cougars are selecting. This project will inform provincial cougar management objectives and build on existing HCTF-funded projects to better examine the role of cougars in shaping prey distributions.	$97,979	**Adam Ford** University of British Columbia 250-807-9773 adam.ford@ubc.ca
Yellow flag iris - Enabling Stewardship and Habitat Conservation through Technology Transfer	0-573	Yellow Flag Iris is a problematic aquatic invasive species, occurring in shallow water along the riparian edges of streams, marshes, lakes, and even marine environments. This project will educate and train land managers and stewards to treat and eradicate Yellow Flag Iris through the installation of benthic barriers and deep water cutting. This method has been proved to be an effective way to control Yellow Flag Iris without creating sedimentation or significantly harming native plant species.	$21,400	**Catherine Tarasoff** Agrowest Consulting Scientists Ltd. 250-572-2132 Catherine@agrowest.ca
Using Large-Scale Functional Habitat Restoration Tools to Enhance Moose Populations in North-Central BC	0-576	This project builds upon a previously funded project to enhance moose habitat within the Omineca region. The project will continue large-scale habitat restoration that consists of clearing and thinning activities on approximately 230 ha in dense young regenerating pine plantations to support diverse species and structures. A series of monitoring activities will evaluate progress and short-term success. The results will inform habitat enhancement practices and help to determine habitat and moose conservation strategies moving forward.	$346,181	**Jeffery Werner** Ministry of Forests, Lands and Natural Resource Operations and Rural Development 778-788-6605 Jeffery.Werner@gov.bc.ca

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Columbia Shuswap Invasives Restoration	0-587	The objective of the Columbia Shuswap Invasive Restoration project is to improve water quality through restoration and improvement of freshwater aquatic habitat degraded by invasive species, in Blanket Creek Provincial Park and through the removal of yellow flag iris in the Shuswap (approximately 2 hectares of shoreline). 160+ indigenous shrubs will be replanted, thereby improving natural infrastructure and freshwater quality, restoring important ungulate winter range and kokanee spawning habitat.	$15,904	**Robyn Hooper** Columbia Shuswap Invasive Species Society 855-785-9333 rhooper@columbiashuswapinvasives.org
Fish Habitat Stewardship Workshops	0-594	Fish Habitat Stewardship Workshops are community-based education workshops that provide knowledge and hands-on training to volunteers about fish habitat stewardship and riparian habitat enhancement. By collaborating with local First Nations, stewardship groups, advocacy groups, and citizen scientists, this project's goals are to provide engaging educational workshops for community volunteers to become riparian stewards in their own backyards.	$26,802	**Tobias Roehr** B.C. Wildlife Federation 604-882-9988 fish@bcwf.bc.ca
Umbrella Species Habitat Protection: Novel Tools for Sharp-tailed Snake Detections	0-598	The endangered Sharp-tailed Snake (Contia tenuis) is an umbrella species in imperiled Garry Oak ecosystems; protecting these snakes indirectly protects the many other species in their ecological community. Snake monitoring techniques such as Artificial Cover Objects, eDNA swabs, and soil sampling will be used to increase the known distribution of this species, support Critical Habitat designation, increase habitat protection in Garry Oak ecosystems, support potential future genetic research, and contribute to informing on-the-ground management activities.	$77,204	**Laura Matthias** 845-399-9358 lmatthias@shaw.ca
Increasing Badger Connectivity and Highway Mitigation in Dry Interior, BC	0-600	This project strives to reduce road mortality for badger and other Species at Risk in the Dry Interior of British Columbia by enhancing population connectivity and highway mitigation infrastructure.	$16,250*	**Karina Lamy** Ministry of Environment and Climate Change Strategy 250-978-9618 karina.lamy@gov.bc.ca

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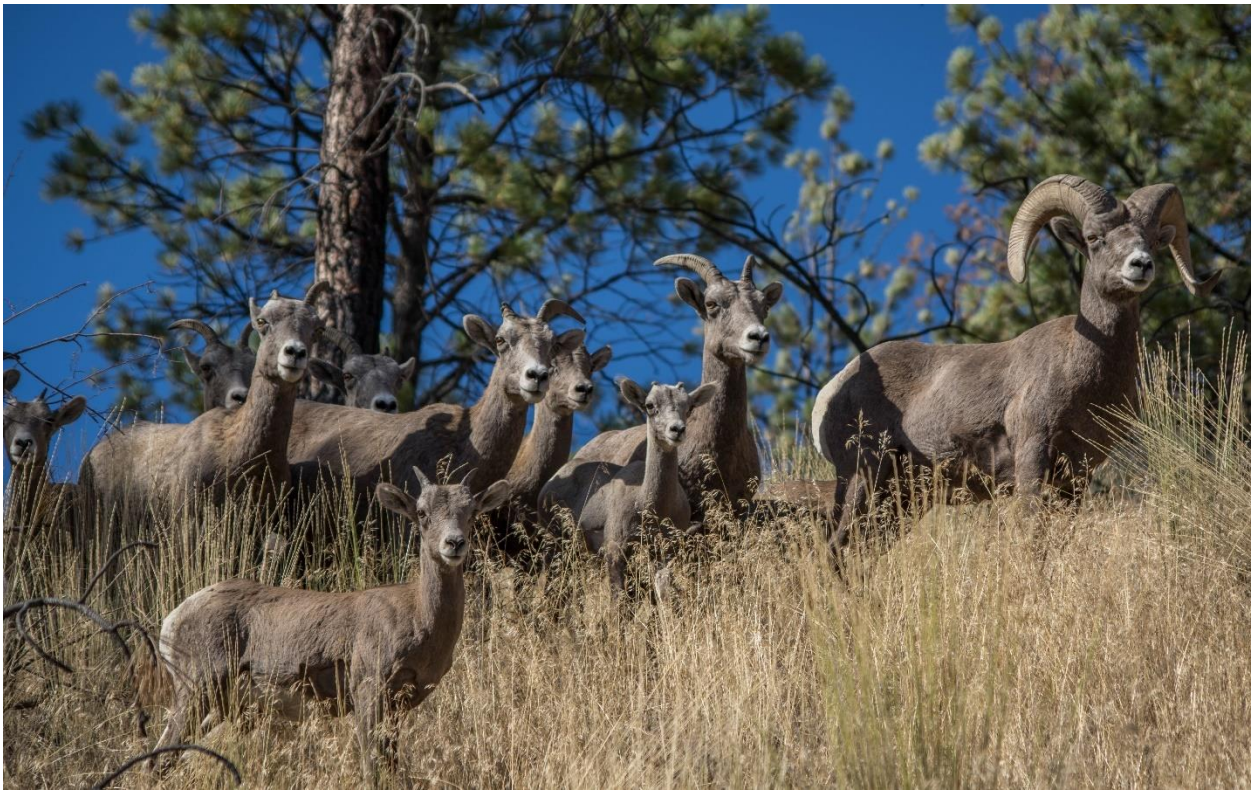
Pennask Access Management Project for Moose & Mule Deer Habitat	0-604	The Pennask Mountain & surrounding area has been identified as high priority wildlife habitat for access management and road deactivation by FLNRO Region 8 wildlife biologists. This project seeks to improve moose and mule deer habitat through the implementation of restoration techniques such as road mitigation leading to a decreased risk to aquatic ecosystems and will inadvertently improve other critical wildlife habitat.	$5,000	**Neil Findlay** Hunters for BC - Interior Chapter of Safari Club International big_horn@telus.net



Project #0-466: BC Wild Sheep Conservation and *Movi* Control Program

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Approved Projects on Vancouver Island

Project Name	Project #	Project Description	Grant Amount	Contact Information
Fisheries O&M - Vancouver Island	1-72	Operation and maintenance of the aeration program at Glen Lake, flow augmentation in Sandhill Creek, inspection and maintenance of fishways located in the Gordon River and Colquitz Creek, and an Annual Dam Inspection at Keogh Lake.	$26,438	**Scott Silvestri** Ministry of Forest, Lands and Natural Resource Operations and Rural Development 250 751-3128 Scott.Silvestri@gov.bc.ca
Keogh River Ecosystem Monitoring Project	1-319	The Keogh River Ecosystem Monitoring Project supports freshwater riverine research initiatives to aid in the management and understanding of BC steelhead and other salmonine species. This project provides a collaborative research location for governments, First Nations, academia, and non-government organizations to investigate questions about the ecology and life history of steelhead and other fish species.	$101,925*	**Trevor Davies** Ministry of Forest, Lands and Natural Resource Operations and Rural Development 778-698-9218 Trevor.Davies@gov.bc.ca
Georgia Basin Western Bluebird Reintroduction Project	1-538	By supporting the recovery of reintroduced Western Bluebirds through in-depth population monitoring and extensive nesting support, a local community is engaging in long-term Garry oak ecosystem stewardship with the goal of returning Western bluebirds to their historic range in the Salish Sea.	$20,192	**Jacquie Taylor** British Columbia Conservation Foundation 250-889-1892 cowichanbluebird@gmail.com
Vancouver Island Small Lake Enrichment Program	1-644	In partnership with FLNRORD, and the BC Freshwater Fisheries Society, the Vancouver Island Small Lake Enrichment Program provides unique kokanee and rainbow trout fisheries regionally. Through the addition of liquid nutrients, altered stocking regimes, and modified angling regulations, this program has been shown to improve fish growth (sizes at age), and produce larger fish available for angling on Vancouver Island.	$45,190	**Jeramy Damborg** British Columbia Conservation Foundation 250-390-2525 jdamborg@bccf.com

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Cowichan River Steelhead Population Dynamics	1-665	This project utilizes a dual, full stream, PIT tag detection array which allows for the study of salmonid freshwater and marine survival rates and behaviors such as migration timing. Each PIT tag is associated with a unique twelve-digit number; this provides information on fish at the individual level. Continued tagging of juvenile and adult steelhead will provide the necessary data to inform ongoing watershed management actions.	$22,450	**Jeramy Damborg** British Columbia Conservation Foundation 250-390-2525 jdamborg@bccf.com
Restoring the Englishman River Estuary: Improving Habitat for Fish/Wildlife	1-666	In partnership with government, First Nations, and local stewardship groups, this project seeks to restore coastal processes in the Englishman River Estuary and improve fish and wildlife habitat by removing historical dikes, berms, and other anthropogenic features in the lower river and estuary, enhancing tidal channels, increasing habitat complexity, monitoring water quality, removing invasive plants, restoring native vegetation and conducting public outreach.	$78,258	**Tom Reid** The Nature Trust of British Columbia 250-739-8458 treid@naturetrust.bc.ca
Seasonal Habitat Supply for the Management and Restoration of Roosevelt Elk	1-675	This project will use fine-scale GPS-telemetry data from adult female Roosevelt elk to build models of seasonal habitat selection in the West Coast Region. This research will be used to validate expert-based winter habitat suitability indices, assess the effectiveness of Ungulate Winter Ranges, and inform the linkage between habitat supply and population management objectives.	$45,000	**Carl Morrison** Ministry of Forests Lands Natural Resource Operations and Rural Development 250-850-1798 carl.d.morrison@gov.bc.ca
EcoCultural Restoration of Vancouver Island Estuaries	1-684	This project will apply a modified indigenous fish weir technique to prevent destructive herbivory by Canada geese in the Campbell River, K'omoks, Little Qualicum River, Englishman, and Nanaimo River Estuaries. By protecting remnant vegetation from continued overgrazing, and transplanting habitat-forming Lyngbye's sedge, the project will restore estuary habitat that is of critical importance to migratory salmonids as they are acclimating to saline conditions. This estuary habitat is also of critical value for resident and migratory sea birds following the Pacific Flyway, and the habitat provides resistance to erosion and storm surge, and water purification for coastal communities through sediment trapping and nutrient cycling.	$38,299	**Tim Clermont** Guardians of Mid Island Estuaries Society 250-327-2987 TimClermont@shaw.ca

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Re-Establishing Vancouver Island Marmots in Strathcona Provincial Park	1-693	The Marmot Recovery Foundation will build and extend efforts to reintroduce Vancouver Island Marmots to Strathcona Provincial Park and create a self-sustaining population of the endemic mammal. Efforts will focus on translocations, food enhancement, monitoring, and potentially habitat restoration as guided by BC Parks.	$49,450	**Adam Taylor** Marmot Recovery Foundation 250-390-0006 adam@marmots.org
Gold River Steelhead Stock Decline Investigations	1-694	The Gold River historically supported one of the most productive winter-run steelhead sport fisheries on the Pacific Coast, however, in recent years the wild steelhead stock has declined significantly. This project will evaluate the current abundance of Gold River wild summer and winter-run steelhead during all life stages.	$20,088	**Danny Swainson** British Columbia Conservation Foundation 250-390-2525 dswainson@bccf.com
Investigating Impacts of Ultraviolet Filters on The Cowichan River Ecosystem	1-713	This project will investigate ultraviolet filter (UVF) contamination within the Cowichan River watershed and its potential impacts on aquatic organisms. This project is also aimed at leading an education and outreach program to mitigate UVF inputs at high priority locations, and engaging relevant stakeholders and decision-makers to apply contamination mitigation strategies throughout the watershed.	$19,047	**Jamieson Atkinson** British Columbia Conservation Foundation 250-390-2525 jatkinson@bccf.com
Ecosystem Restoration for Taylor's Checkerspot and other Species at Risk in Garry Oak Ecosystems	1-721	The Taylor's Checkerspot butterfly project is a collaborative science-based, ecosystem restoration project. This is achieved through habitat enhancement, population reintroduction, and providing community engagement, stewardship opportunities, and public outreach for this butterfly species. This work benefits many of the other butterflies, bees, beetles, other pollinators, birds, and plant species at risk within the endangered Garry Oak and associated ecosystems of southeastern British Columbia.	$60,000	**Jennifer Heron** Ministry of Environment and Climate Change Strategy 778-572-2273 Jennifer.Heron@gov.bc.ca

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Tranquil Creek Salmonid Recovery Project	1-722	Wild salmon and trout populations are declining from Southeast Alaska to Southern British Columbia, in Clayoquot Sound, the recent and sharp decline in salmonid populations is particularly acute. For Hiłsyaqƛis (Tranquil Creek) the drastic decline is linked to habitat degradation caused by historic logging operations. This restoration project is part of a long-term holistic approach to rebuilding wild salmon and steelhead populations for the Tla-o-qui-aht Nation.	$50,000	**Jessica Hutchinson** Central Westcoast Forest Society 250-726-2424 jessica@clayoquot.org
Fishing and Natural Mortality of Cutthroat Trout in Cowichan Lake	1-728	This project uses acoustic telemetry and high reward tags to estimate fishing and natural mortality of wild cutthroat trout in one of Vancouver Island's most popular freshwater fishing destinations, Cowichan Lake. The results of this study will provide information on the utilization of the lake by sub-adult and adult fish including spatial and temporal distribution, and mortality estimates will be used to support an evaluation of the regulations currently in place as well as alternative approaches.	$99,256	**Erin Rechisky** Kintama Research Services 250-667-6951 erin.rechisky@kintama.com
Assessment of Marbled Murrelet Nesting Habitat and Population Trends	1-738	The overall objective of this project is to conduct a retrospective analysis of BC's Marbled Murrelet population and to assess whether habitat loss can be detected as a cause of population change. This study will inform future methods of effective monitoring and provide guidance on landscape configuration of protected habitat to improve conservation outcomes going forward.	$54,750	**Jenna Cragg** Ministry of Forests, Lands, Natural Resource Operations and Rural Development 250-739-8277 Jenna.cragg@gov.bc.ca
Mayne Island Community Stewardship Program	1-752	The Mayne Island Community Stewardship Program will engage residents and visitors of Mayne Island in hands-on nature stewardship. Community members will contribute to habitat restoration projects while developing the knowledge and skills they need to steward endangered ecosystems in a fragmented, privately-owned landscape.	$29,720	**Rob Underhill** Mayne Island Conservancy Society 250-593-2535 biologist@mayneconservancy.ca

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Detecting Sharp-tailed Snake on Mt. Maxwell: eDNA vs Traditional Survey	1-765	The federally Endangered and provincially Red-listed Sharp-tailed Snake is an elusive burrowing species, spending most of its life underground. This project uses traditional survey techniques (Artificial Cover Objects) in combination with environmental DNA (eDNA) sampling protocols to survey areas with highly suitable habitat on Mt. Maxwell where the species has not yet been detected. New occurrences of Sharp-tailed Snakes will increase the known distribution of this species, allowing for increased proposed Critical Habitat designation and guiding on-the-ground management activities.	$37,631	**Carrina Maslovat** Maslovat Consulting 250-893-7305 maslovat@telus.net
Habitat Protection and Connections for Western Toads	1-766	This project will help sustain breeding populations of Western Toads and Northern Red-legged Frogs by creating underpasses beneath the Bamfield Road to connect habitats and reduce road mortality. It will also restore riparian habitat and reduce recreational disturbance and trampling of the shoreline habitat where juvenile toads emerge after metamorphosis.	$28,743	**Barbara Beasley** Association of Wetland Stewards for Clayoquot and Barkley Sounds 250-726-2536 beasley@island.net
Thermal Refugia Identification in Vancouver Island Salmon-bearing Streams	1-769	Groundwater serves as a source of cold water during warm summer months, providing thermal refugia for Pacific salmonids and other cold-blooded fish. Knowing the locations of these thermal refugia will benefit wild Pacific salmon stocks by allowing conservation managers to prioritize locations for stream restoration and protection, which is a crucial step in minimizing the adverse effects of climate change on salmonids. The primary goal of this study is to identify and map areas in several streams on the east coast of Vancouver Island where water temperatures are primarily affected by groundwater input, as well as to advance methodologies used to detect these groundwater inflows.	$25,790	**Kate O'Neill** Current Environmental Ltd. 250-871-1944 kate.oneill@currentenv.ca
Kus-kus-sum - Unpaving Paradise: Forested Tidal Marsh Restoration in the K''ómoks Estuary	1-770	The Kus-kus-sum (KKS) project is the restoration of a former industrial sawmill site in the heart of the salmonid migratory corridor for the watersheds of two major rivers, the Puntledge and the Tsolum. The restoration will restore the site to the pre-disturbance state as a forested tidal wetland and will reconnect the site to the floodplain and the Courtenay River through the removal of a 400m steel-piling wall. Species that will benefit include pink, chum, coho, chinook (summer- and fall-run) salmon as well as steelhead and cutthroat trout, and many other wildlife species.	$47,312*	**Caitlin Pierzchalski** Comox Valley Project Watershed Society 778-866-4240 caitlin.pierzchalski@projectwatershed.ca

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Empowering Stewards of Oak and Prairie Habitats: A Good Neighbours Program	1-771	The project applies a collaborative approach to engage, inform, inspire, and train stewards in endangered Oak and Prairie Areas on Southern Vancouver Island. This will be achieved through outreach, landowner contact, stewardship events and workshops, and supporting Indigenous communities. This Project will increase the stewardship of one of Canada's most endangered habitat types by increasing understanding, participation, and regional leadership in conservation with the aim of fostering the development of new habitat stewards in our communities.	$39,900	**Paige Erickson-McGee** Habitat Acquisition Trust 250-995-2428 paige@hat.bc.ca
Junior Stewardship Series at Swan Lake Christmas Hill Nature Sanctuary	1-778	Created for students ages eight to 12, Junior Stewardship Series engages young stewards to learn how to support our local habitats by taking action in their community. Each module centres on a different stewardship area within the Nature Sanctuary, and will include, for example biocultural connections to land, meadow restoration, invasive species removal, lake water quality monitoring, and nesting site restoration. Students work alongside our staff team and other local community leaders in a collaborative framework to make meaningful, positive changes to the Nature Sanctuary's sensitive Garry Oak and marshland ecosystems.	$5,000	**Cara Gibson** Swan Lake Christmas Hill Nature Sanctuary Society 250-479-0211 cgibson@swanlake.bc.ca
Initiating A Community-Based Flow Monitoring Network for East Coast Vancouver Island	1-791	This project will create a community-based flow monitoring network for the east coast of Vancouver Island. Through collaborations with volunteer-led stewardship groups, First Nations, NGO's and government agencies, the BC Conservation Foundation will provide equipment and technical support, training, data quality control and audits, data management workshops, and capacity-building for partner organizations to help create stewards for streamflow & fish habitat.	$13,564*	**Thea Rodgers** BC Conservation Foundation 250-390-2525 trodgers@bccf.com
Englishman River Claybank Monitoring and Mitigation Feasibility	1-792	This project will monitor the activity and downstream effects of a large active clay bank on the Englishman River. Project activities will include liaison with all interested parties and stakeholders, water quality/sediment monitoring, slope stability, and fluvial assessment to determine, using an ecosystem approach, if mitigation at this site is warranted. If so, a project team will be developed, and a mitigation approach selected.	$40,179	**Jeramy Damborg** BC Conservation Foundation 250-390-2525 jdamborg@bccf.com

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Englishman River Large Woody Debris Revitalization Continued	1-793	Large wood structures provide numerous benefits to riverine environments including sediment capture and retention and the creation of structural complexity (pools, channel width variation). Large wood structures also create habitat for fish and invertebrate populations and have been shown to positively affect species richness in restored river reaches. This project will restore up to 2500 m^2 of freshwater habitat through the rehabilitation or replacement of aging large wood structures on the Englishman River and tributaries, located on the east coast of Vancouver Island, British Columbia.	$40,576	**Jeramy Damborg** BC Conservation Foundation 250-390-2525 jdamborg@bccf.com
Climate Change and Wildlife Habitat Conservation on Salt Spring Island	1-798	This project will protect and enhance wildlife habitat on Salt Spring island by employing conservation strategies that assist both mitigation of, and adaptation to, climate change. SSIC will protect climate-resilient lands through acquisition, conservation covenants, and stewardship agreements; restore and enhance ecosystems within the rare Coastal Douglas-fir biogeoclimactic zone, employing climate adaptation strategies; survey target species; and expand SSIC's native plant nursery to supply native plants (including drought-tolerant and fire-resistant species) for restoration and education initiatives. Stewardship education, incorporating community concerns about climate change, is integral to this project and includes collaborative hands-on nature education, a diversity of online and in-person events for the public, building relationships with landowners, and informative signage on our nature reserves.	$49,218	**Penelope Barnes** Salt Spring Island Conservancy 250-931-4627 penny@saltspringconservancy.ca
PEPAKEN TE TENEW: Restoration & Resilience in the WSANEC Homelands	1-804	This project will focus on building resilience in human communities as ecosystems, doing hands-on education primarily with youth from the WSANEC First Nations. We will be doing ecosystem restoration at SNIDCEL ("Place of the Blue Grouse", Tod Inlet, Gowlland Tod Provincial Park), first WSANEC village, and our home restoration site. This project will restore vital coastal douglas fir habitat and encourage learning from the land while training the next generation of land stewards.	$30,000*	**Judith Arney** PEPAKEN HAUTW Foundation 250-885-8248 judithlynarney@gmail.com

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Assessment and monitoring of Nanaimo River cutthroat trout	1-804	Building off existing Passive Integrated Transponder (PIT) infrastructure installed in 2021, and co-occurring with salmon population assessments on the Nanaimo River, BCCF will PIT tag up to 1,000 coastal cutthroat trout in 2022 using a combination of capture techniques (smolt traps, seining, angling) and detection methods (mobile PIT scanners, in-stream PIT antennas, mainstem PIT array).	$4,987	**Thea Rodgers** BC Conservation Foundation trodgers@bccf.com
Cowichan Shoreline Stewardship Project	1-810	The Cowichan Shoreline Stewardship Project builds on a six-year HCTF-supported shoreline enhancement and stewardship project that contributed to over 1.5 km of shoreline restored, 7,859 native plants installed, and over 4.6 acres of riparian habitats rehabilitated with public landowners and private residents of Lake Cowichan. This Seed Project will help BCCF identify more sites to protect and restore around Cowichan Lake, its tributaries, and the upper Cowichan River; research and prescribe adaptive site-specific restoration treatments on fragmented and impacted riparian habitats, and enhance existing public education and outreach strategies to promote shoreline stewardship and improved land-use practices.	$5,000	**Jamieson Atkinson** British Columbia Conservation Foundation 250-327-1155 jatkinson@bccf.com
Is the newly found tire toxicant 6-PPD Quinone a risk for Vancouver Island salmonid populations?	1-811	Salmonid populations in the Pacific Northwest are in decline and threatened. Among several anthropogenic stressors are a class of emerging contaminants with demonstrated aquatic toxicity at trace levels. One containment of concern, 6-PPDQ, is a tire preservative compound associated with roadway run-off. This project, with the assistance of local First Nations and stream keeper groups, for sample collection, will provide samples to Vancouver Island University's – Applied Environmental Research Laboratories for the development of a rapid screening analytical method. The results of this work will be used to develop a large multi-year proposal to assess 6-PPDQ across the East Coast of Vancouver Island by indicating "hotspots" and developing a rapid analysis methodology	$4,963	**Jamieson Atkinson** British Columbia Conservation Foundation 250-327-1155 jatkinson@bccf.com

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Approved Projects in the Lower Mainland

Project Name	Project #	Project Description	Grant Amount	Contact Information
Enhancing Upland Farmland for Wildlife in the Fraser River Estuary	2-349	This project will contribute to enhancing approximately 1,295 hectares of upland agricultural habitat in the Fraser River estuary for migratory and resident bird species. In partnership with farmers in the Cities of Delta and Richmond, grassland habitat will be established on agricultural land, in the form of winter cover crops and grassland set aside to provide high-quality feeding and resting habitat for resident and migratory waterfowl, shorebirds, and birds of prey.	$30,000	**Christine Schmalz** Delta Farmland & Wildlife Trust 604-940-3392 christines@deltafarmland.ca
Learn to Fish Program	2-390	Learn to Fish (L2F) is designed to break down barriers to recreational fishing by introducing youth and adults to the outdoor activity. L2F is delivered across all regions of the province, to over 30,000 youth and their families annually with support from HCTF and its other program partners.	$80,000	**Mike Gass** Freshwater Fisheries Society of BC 604-302-6235 Mike.Gass@gofishbc.com
Lower Fraser White Sturgeon Telemetry Study: Monitoring Adult Movement, Migration, and Habitat Use	2-530	This long-term study is monitoring the movement and migration patterns and habitat use of acoustically tagged adult white sturgeon within the Lower Fraser, Pitt, and Harrison River systems. Results from this project are used to support habitat protection measures within the Lower Fraser River system as well as map and monitor critical habitats and behaviours.	$43,140*	**Colin Schwindt** Ministry of Forests, Lands, Natural Resource Operations and Rural Development 778-572-2180 colin.schwindt@gov.bc.ca
Rockslide Mitigation Project for Steelhead Trout Passage into the Upper Seymour River	2-587	Rock removal and channel grading works are required during summer 2022 to maintain and improve passage through the Seymour Canyon by returning adult steelhead during the summer and winter runs. In addition, in-river mitigation works are required to maintain and improve fish passage for coho, pink, and chinook salmon.	$40,000	**Reece Fowler** Seymour Salmonid Society 604-288-0511 reece@seymoursalmon.com
Goshawk diet and foraging requirements across habitat types in South Coastal BC	2-641	This project will study Northern Goshawk breeding success, diet, and spatial foraging habitat requirements in relation to landscape condition of coastal and transitional forests in South Coastal BC. This research will provide the information needed to support the provincial Implementation Plan and ongoing provincial decisions to ensure species recovery while mitigating resource use conflicts.	$55,000	**Melanie Wilson** Ministry of Forests, Lands, Natural Resource Operations & Rural Development 778-572-2271 Melanie.L.Wilson@gov.bc.ca

*Final Grant amount may be subject to funding condition(s)

Chilliwack Lake Bull Trout Fishery Assessment	2-660	The project will assess sustainable fishing opportunities for Bull Trout on Chilliwack Lake. Similar to other large lake tag-return studies, the project has direct implications for the conservation and management of Bull Trout and will improve angling quality and provide opportunity in recreational fisheries on large lakes in BC.	$49,200	**Greg Andrusak** Ministry of Forests, Lands, Natural Resource Operations & Rural Development 778-698-9237 Greg.andrusak@gov.bc.ca
Native Plant Landscaping to Increase Native Bird Populations in Vancouver	2-668	The project will engage 2,500 youth in hands-on programs and school workshops to grow bird-supporting native plants and create a birdscape teaching garden in Vancouver's Downtown Eastside. This will also connect inner-city youth with nature and developing skills and confidence in environmental stewardship. Youth-grown plants will be distributed to 50+ community groups and public schools to support urban bird habitat projects. The programs engage youth who identify as Indigenous, Black, People of Colour, LGBTQ2, racialized new immigrants, living with a disability, in the foster care system, and/or living on low incomes.	$22,000	**Emily Keller** EYA Environmental Youth Alliance Society 604-689-4446 emily@eya.ca
Juvenile White Sturgeon Monitoring Program	2-692	This project uses a combination of paid and volunteer angling guides to capture and tag juvenile White Sturgeon in the Fraser River and tributaries from Delta/Richmond to Yale. The goal is to increase the sample size of marked juvenile fish and the amount of juvenile mark-recapture data to improve our understanding of recruitment trends, abundance, distribution, and growth rates for this key life stage.	$63,518*	**Kevin Estrada** Fraser Valley Angling Guides Association 604-428-8819 info@fvaga.com
Renewal and Retention of Nature Stewards in the Fraser Valley	2-696	The Nature Stewards program engages private landowners in the Fraser Valley in conserving, improving, and enhancing habitat for wildlife on their properties. This project implements a renewal process for those previously recruited landowners to undertake improved stewardship actions by providing personalized stewardship advice and securing a signed commitment agreement, which increases the ability to track their progress over time.	$31,730	**Joanne Neilson** Fraser Valley Conservancy 778-808-5349 joanne@fraservalleyconservancy.ca
Squamish Bull Trout Risk Assessment	2-700	Assessment of angling effort using the reporting app "MyCatch" and a high reward tagging program will be used to evaluate angling exploitation of Bull Trout in the Squamish River watershed. This research will provide much-needed data and inform effective management and conservation of the fishery.	$41,550*	**Caroline Melville** InStream Fisheries Research Inc. 604-892-4615 Caroline@instream.net

*Final Grant amount may be subject to funding condition(s)

Juvenile White Sturgeon Critical Habitat in the Pitt River Watershed	2-715	This study addresses uncertainties regarding the migration behaviour and habitat use of Lower Fraser River juvenile sturgeon. Focused research completed in the Pitt River watershed across a variety of intact and altered habitat types will help discern habitat use preferences and identify critical rearing and overwintering habitats for the juvenile life stage. This study will provide managers with appropriately scaled data to develop and justify habitat protections and restoration initiatives that will be key for White Sturgeon recovery.	$94,854*	**Allison Hebert** InStream Fisheries Research Inc. 604-428-8819 allison@instream.net
Lynn Creek Off-Channel Habitat Restoration	2-741	This project will restore a 150-meter-long side channel, the site of important native trout and salmonid spawning and rearing habitat, by reconnecting it to the main stem of Lower Lynn Creek. The side channel is subject to dewatering due to heavy deposits of gravel. To mitigate this, an Engineered Log Jam will be installed to divert water flow through the channel and increase the survival of cutthroat, steelhead, and other salmonid populations.	$20,000	**Carolynne Robertson** North Shore Streamkeepers 604-809-5892 forcarolynne@shaw.ca
Sharp-tailed Snake Citizen Science and Stewardship in Pemberton, BC	2-743	This project will increase awareness of the endangered Sharp-tailed Snake in Pemberton, BC. Additionally, there will be a small restoration component to reroute a mountain bike trail that is currently traversing through critical hibernacula habitat.	$8,250	**Veronica Woodruff** Clear Course Consulting Ltd. 604-966-8229 vwoodruff@clearcourse.ca
Shedding Light on Still Creek	2-751	This project will create stewards by connecting targeted demographics of East Vancouver to local greenspaces through hands-on restoration work, accessible educational offerings, and citizen science opportunities within the Still Creek watershed. The "Shedding Light" program will improve habitat conditions for native aquatic and terrestrial wildlife, reduce total coverage of invasive plants and garbage, create multi-story vegetation within sensitive habitat, and create the conditions for improving water quality within the watershed.	$37,791	**Lindy Johnston** Still Moon Arts Society 604-404-3570 lindy@stillmoonarts.ca

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At-Risk Birds of Prey Conservation on the South Coast	2-754	This project will identify and assess occupied breeding territories for Northern Goshawks and Western Screech-Owls on the South Coast with a particular focus on the Upper Sunshine Coast and Northern Gulf Islands. Working directly with government, First Nations, industry, parks, and landowners the project seeks to protect habitat for these at-risk birds of prey and other species found in their territories through the establishment of Wildlife Habitat Areas, conservation covenants, or other formal protection. Through community engagement, the proponent will increase awareness and participation in the stewardship of birds of prey.	$29,221	**Kerry Baird** BC Conservation Foundation 604-576-1432 kbaird@bccf.com
Fraser River White Sturgeon Stewardship Program	2-756	Building upon the BCWF-led Juvenile White Sturgeon Monitoring Program, this project will expand hands-on student and community outreach activities through the creation of a Fraser River White Sturgeon Stewardship Program. The goal is to engage students and youth to increase their knowledge and awareness of local sturgeon conservation issues and offer opportunities for positive outdoor experiences that support mental health, while also collecting juvenile sturgeon mark-recapture data for ongoing scientific assessments.	$28,110	**Kevin Estrada** Fraser Valley Angling Guides Association 604-428-8819 info@fvaga.com
Feasibility of a Resistivity Counter in the Upper Chilliwack River	2-762	The project will be used to identify a site location and determine if a resistivity counter is the appropriate technology to monitor the timing of spawning Bull Trout activity and produce an estimate of the spawner abundance in the Upper Chilliwack River.	$5,000	**Daniel Ramos-Espinoza** InStream Fisheries Research Inc. 778-893-8250 Dani@instream.net
Powell River Lakes-Cutthroat Trout Population Status and Management Plan	2-763	Coastal Cutthroat Trout inhabiting the Lois Lake chain near Powell River, BC, comprise a unique, large-bodied population facing threats associated with aquaculture of unsterilized Rainbow Trout, angling exploitation, and land use. A study of conservation status (population health), threats, and life history is required to identify and prioritize conservation actions, but this seed funding study is necessary to first identify existing background information, study components and their costs, and study partners.	$5,000	**Michael Stamford** Stamford Environmental stamford@telus.net

*Final Grant amount may be subject to funding condition(s)

Approved Projects in the Thompson Nicola Region

Project Name	Project #	Project Description	Grant Amount	Contact Information
Fisheries O&M - Headquarters	3-60	Operation and maintenance on the Kane Valley Ranch for fisheries research. Maintain property, repair fences, pay the Hydro for aeration system, maintain caretakers house (plumbing, wiring, mechanical).	$5,500	**Shannon Harris** Ministry of Environment and Climate Change Strategy 778-868-9855 Shannon.Harris@gov.bc.ca
Fisheries O&M – Thompson-Nicola	3-94	Operation and maintenance of existing lake aeration, stream diversions, outlet fence, riparian fencing, open diversion ditches, and dam structures that enhance the angling opportunities ofhigh-usee lakes within the Thompson-Nicola region.	$68,500	**Andrew Klassen** Ministry of Forests, Lands, Natural Resource Operations & Rural Development 250-371-6237 andrew.klassen@gov.bc.ca
Fisheries O&M - Bonaparte	3-154	Operation and maintenance of the Bonaparte Fishway and the Bonaparte Lake Dam.	$28,459	**Robert G. Bison** Ministry of Forests, Lands, Natural Resource Operations & Rural Development 250-371-6244 Robert.Bison@gov.bc.ca
Interior Fraser Wild Steelhead Conservation	3-251	The project will provide scientific knowledge to inform provincial, federal, and First Nation fisheries management planning, processes, and decisions for conservation and responsible use of wild Interior Fraser steelhead populations including Thompson and Chilcotin steelhead. The data provided will encourage coordination of management between provincial and federal fisheries agencies and First Nations.	$84,000	**Robert G. Bison** Ministry of Forests, Lands, Natural Resource Operations & Rural Development 250-371-6244 Robert.Bison@gov.bc.ca
Wetlands Institute 2022: Kootenay Boundary Region	3-272	The Wetlands Institute workshop provides training to practitioners involved in wetland stewardship projects in BC. The 2022 Institute will be hosted in the Kootenay Boundary region and will provide high-quality training and hands-on wetland restoration and design experience while supporting regional initiatives, such as the North Ruckle Wetland and Floodplain Project in Grand Forks.	$54,893	**Neil Fletcher** The B.C. Wildlife Federation 604-882-9988 Neil.fletcher@bcwf.bc.ca

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Williamson's Sapsucker Habitat Enhancement, Merritt Area	3-412	Endangered Williamson's Sapsucker nesting habitat will be enhanced by creating 100 wildlife trees using fungal inoculation and mechanical tree enhancement methods. The enhancement sites have already been selected on the basis of containing suitable foraging habitat but lacking nest habitat.	$63,140	**Dave DeRosa** Okanagan Nation Alliance 250 687 4635 dderosa@syilx.org
Fraser River Bighorns: Fraser West Disease Assessment and Herd Recovery	3-419	The project will test and remove adult Bighorn ewes that are shedding the respiratory bacteria *Mycoplasma ovipnuemoniae* (M.ovi) from along the west side of the Fraser River. The project will also conduct extensive ground and aerial lamb counts with the involvement of First Nations communities, capture and sample a minimum of 25% of yearlings (10-month-olds) in the areas of prior-year treatment bands to test for the presence and exposure to M.ovi.	$63,385	**Jeremy Ayotte** Phyla Biological Consulting Inc. 250-804-3513 jeremy.ayotte@gmail.com
Mid-Fraser Sturgeon Monitoring Program	3-428	This project seeks to develop a multi-year priority White sturgeon monitoring program in the Mid Fraser River near Lillooet BC. The goals are to assess the distribution of Nechako origin hatchery fish in Mid Fraser and develop a mitigation strategy for potential removal, improve spatial assessment of fish densities downstream of Lillooet in Region 3, obtain updated information on abundance in Regions 3 & 5 to inform COSEWIC and SARA review processes, and assess current recreational fishery and determine whether it is operating sustainably.	$40,250*	**Greg Andrusak** Ministry of Forests, Lands, Natural Resource Operations & Rural Development 250-505-4116 greg.andrusak@gov.bc.ca
Thompson Nicola Conservation Initiative Conservation Action Plan Project	3-456	This project will support the prioritization, development, and implementation of integrated stewardship projects by the TNCI partnership as part of a Conservation Action Plan. Projects will be developed and delivered through multi-stakeholder and Indigenous engagement, for an integrated approach to address threats and increase stewardship of Dry Interior ecosystems for fish, wildlife, and their habitats.	$39,661	**Jamie Leathem** Thompson Okanagan Tourism Association 778-622-6834 jamie.leathem@gov.bc.ca

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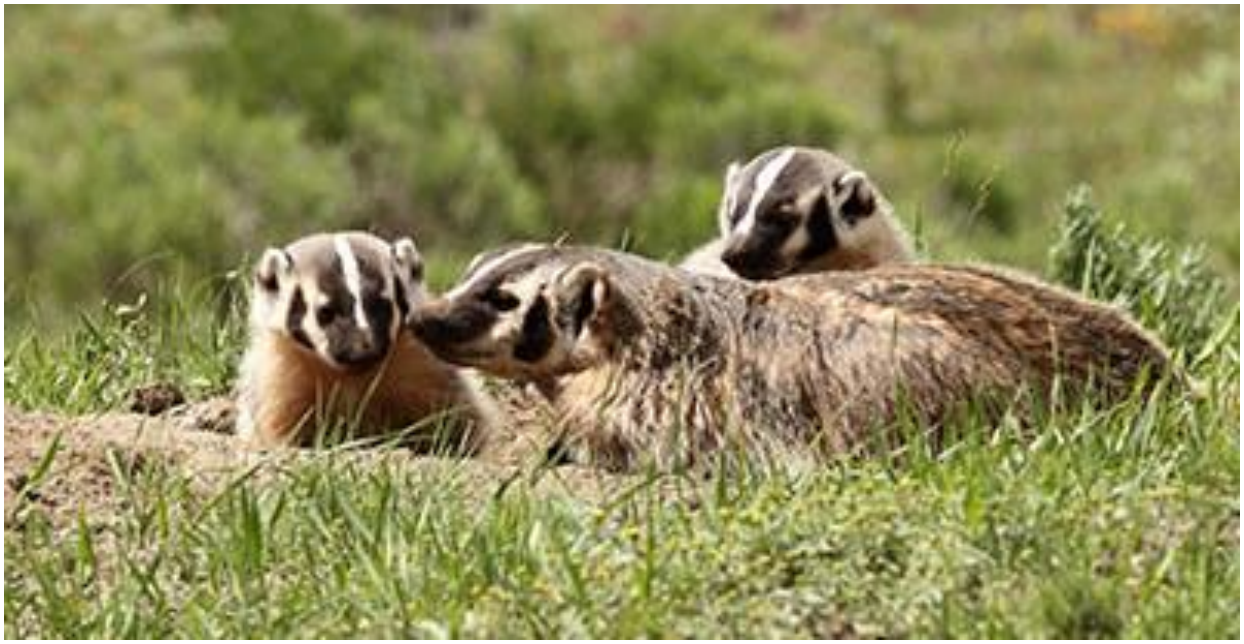
American Badger Occupancy in Simpcwúl'ecw	3-457	This First Nation and Estsék' Environmental will be working with the provincial mesocarnivore specialist team and the BC Ministry of Forests, Lands, Natural Resource Operations and Rural Development (FLNRORD) on locating badger burrows, hair-snag DNA sample retrieval, as well as cataloging continued sightings and mortalities from communities along the project area. The study would contribute greatly to the knowledge of badger populations within Simpcw Territory, as well as provide much-needed scientific information to the provincial badger recovery plan.	$5,000	**Tina Donald** Simpcw First Nation fisheries.manager@simpcw.com
Friends of Lac du Bois Grasslands Stewardship Grant Development	3-458	This project will enable the Grasslands Conservation Council of BC to work with our partners as part of the Friends of Lac du Bois; to gather technical information and collaboratively develop priority areas and stewardship projects for the Lac du Bois grasslands.	$5,000	**Karen Raven** Grasslands Conservation Council of BC 780-690-3711 karen@bcgrasslands.org



Project #3-457: American Badger Occupancy in Simpcwúl'ecw

*Final Grant amount may be subject to funding condition(s)

Approved Projects in the Kootenays

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	**Andrew Klassen** Ministry of Forests, Lands, Natural Resource Operations & Rural Development 250-371-6237 andrew.klassen@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	**Molly Teather** Ministry of Forests, Lands, Natural Resource Operations & Rural Development molly.teather@gov.bc.ca
Radium Mile Hill Wildlife Crossing Project	4-334	In partnership with First Nations, Parks Canada, the Village of Radium Hot Springs, the local MLA office, and concerned citizens in the Radium area this project seeks to reduce highway-caused mortality of bighorn sheep in and around Radium. This will be accomplished by installing 1 or more wildlife crossing structures and associated fencing along Highway 93/95 south of Radium Hot Springs.	$40,000	**Irene Teske** Ministry of Forests, Lands, Natural Resource Operations and Rural Development 250-420-6341 irene.teske@gov.bc.ca
Kootenay Conservation Program: Fostering a Collaborative Approach to Conservation	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	**Juliet Craig** Nature Trust of BC 604-924-9771 manager@ kootenayconservation.ca
Kootenay Region River Guardian Program	4-444	This project will facilitate 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 sportfish populations. River Guardians will provide a compliance presence, educate the public, anglers, and other stakeholders, and collect angler survey data and biological/inventory data.	$78,980	**Kevin Heidt** Ministry of Forests, Lands, Natural Resource Operations and Rural Development 250-489-8556 Kevin.Heidt@gov.bc.ca

*Final Grant amount may be subject to funding condition(s)

Determination of Gerrard rainbow Trout Productivity at Low Abundance	4-539	This project will obtain critical information on the stock productivity parameter and define important biological reference points for conservation and management of the Gerrard Rainbow Trout population on Kootenay Lake.	$54,959	**Greg Andrusak** Ministry of Forests, Lands, Natural Resource Operations and Rural Development 250-505-4116 greg.andrusak@gov.bc.ca
Determination of Bull Trout Stock Productivity at Low Abundance	4-555	This project will obtain critical information on the stock productivity parameter for Bull Trout at low stock abundance. The information is vital in defining important biological reference points for conservation and management of this species on Kootenay Lake.	$48,400	**Greg Andrusak** Ministry of Forests, Lands, Natural Resource Operations and Rural Development 250-505-4116 greg.andrusak@gov.bc.ca
Mustelid Oases in Large Clearcuts: Debris Piles as Habitat Restoration	4-576	This project incorporates functional longevity and 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 (40+ ha) clearcut openings up to 6 years post-harvest in large clearcut openings.	$30,000	**Thomas P. Sullivan** Applied Mammal Research Institute 250-494-7160 tom@appliedmammal.com
Identifying Wolverine Reproductive Dens in the Columbia Mountains	4-598	Identifying wolverine denning areas is important for minimizing human disturbance in critical habitat for this at-risk species. Assessing the frequency of repeated use provides needed justification for ongoing habitat protection. This project will monitor known or potential denning areas in southeast BC to inform management recommendations for habitat protection.	$21,450	**Doris Hausleitner** Seepanee Ecological Consulting 250-505-7768 dorishaus78@gmail.com
Elk Valley Bighorn Sheep Winter Range Habitat Condition Re-Assessment	4-610	This project aims to determine whether high elevation grasslands/ bighorn sheep winter range in the Elk Valley continue to be impacted by coal development and ungulate overgrazing since the last bighorn sheep habitat assessment in 2009-11. Benefits of investigating changes to grassland condition between 2009-2022 include providing data to inform strategies for timely management intervention that can address identified drivers of high elevation grassland change such as ungulate overgrazing, and identify areas that require immediate management intervention.	$68,800	**Irene Teske** Ministry of Forests, Lands, Natural Resource Operations and Rural Development 250-420-6341 irene.teske@gov.bc.ca

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Elk Valley West Bighorn Sheep Population Dynamics and Habitat Condition	4-611	The bighorn sheep estimates in the Elk Valley West population management unit during the winter 2019 and 2020 surveys were the lowest recorded, approximately half of the population objective and a continuation of a 10-year decline. This study will identify survival rates and causes of mortality, seasonal range use and movement corridors, and health sampling, and will evaluate existing habitat to provide information to help make informed wildlife management decisions.	$39,320	**Sam Medcalf** Sparwood and District Fish & Wildlife Association 250-425-5531 smedcalf83@hotmail.com
Kootenay Lake Head Recovery and Data collection Program	4-613	This project assists the Ministry with the recovery of Kootenay Lake kokanee by encouraging increased angler participation through the collection of Bull Trout and Rainbow Trout heads.	$55,692*	**Gordon Grunerud** BC Wildlife Federation 250-229-5245 gordongrunerud@shaw.ca
Safe Passages for Wildlife in the Southern Canadian Rockies	4-616	This project's objective is to improve wildlife connectivity and human safety along Highway 3. In the first two years of this project, two existing structures were retrofitted to create suitable wildlife underpasses, improvements were made to Alexander bridge, and 40 cameras were deployed as part of an effective monitoring program. Next, this project will make improvements to Old Town and Michel Mouth bridges, 2.5km of fencing are to be installed, improvements made to the effectiveness monitoring program, increased engagement with Ktunaxa Nation, and produce additional signage and communication materials.	$50,000	**Emily Chow** Ministry of Forests, Lands, Natural Resource Operations and Rural Development 250-420-6325 Emily.Chow@gov.bc.ca
Restoring Functional Habitat in the Elk Valley	4-617	This project has restored ecosystem function by deactivating 46 km of road in 2020 and 2021, with an additional 40-45 km planned in the next year, to reduce the risks to wildlife associated with high road density in the Elk Valley. The deactivated roads will be planted with trees to speed up the ecosystem recovery process and sequester carbon, with over 64 ha of habitat being restored.	$95,707	**Samantha Mertens** Ministry of Forests, Lands, Natural Resource Operations and Rural Development 250-420-6317 samantha.mertens@gov.bc.ca
Upper Elk Valley Invasive Plant Management	4-618	This project provides a framework for multiple stakeholder groups to work collaboratively to coordinate and implement an invasive plant management plan designed to prevent, educate, inventory, treat, contain, reduce and monitor invasive plant species in identified priority areas.	$45,336*	**Katie Reid** East Kootenay Invasive Species Council 250-919-7826 katie@ekisc.com

*Final Grant amount may be subject to funding condition(s)

Upper Bigmouth Creek	4-621	The Upper Bigmouth Restoration project was initiated in 2017 with the restoration of approximately 5280m of a 6700m linear feature. Restoration work was conducted in 2017 with subsequent ecological restoration conducted in 2019. This project will facilitate ongoing monitoring through the use of motion cameras as well as through established long-term monitoring plots.	$36,381*	**Corey Bird** Yucwmenlucwu 250-838-0775 corey.bird@splatsindc.com
Galton Range Habitat Enhancement for Bighorn Sheep and Mule Deer	4-628	This project aims to deliver on-the-ground habitat enhancement by addressing the significant invasive plant infestations on mule deer and bighorn sheep winter range and transitional habitat. Herbicide application, seeding, and fertilizing treatments will increase foraging resources important for these ungulate species during a time when resources are low.	$93,590*	**Allana Oestreich** Ministry of Forests, Lands, Natural Resource Operations and Rural Development 250-420-6281 allana.oestreich@gov.bc.ca
Kicking Horse Canyon Habitat Enhancement Project	4-631	This project will enhance approximately 112 ha of elk winter range in the Upper Kicking Horse Canyon, near the Yoho National Park boundary. Enhancement work will involve the thinning of immature forest to promote forage growth, allow for ease of elk movement, increase elk predator detection and improve forest structure for snow interception.	$62,280	**Brian Gustafson** Golden District Rod and Gun Club 250-344-1188 cirqueenv@gmail.com
Evaluation of the Upper St. Mary River Bull Trout Population	4-638	This project seeks to better understand bull trout population dynamics in the upper St. Mary River system, provide point-in-time population/inventory data, establish critical habitats and inventory indexes, gather genetic samples to evaluate the population, and determine relationships within the overall upper Kootenay River metapopulation. This research will inform fisheries management decisions to ensure effective long-term conservation measures and a balance between species sustainability, angler opportunity, and the quality of the fishery.	$20,000	**Kevin Heidt** Ministry of Forests, Lands, Natural Resource Operations and Rural Development 250-420-5374 Kevin.Heidt@gov.bc.ca

*Final Grant amount may be subject to funding condition(s)

Creating Shared Landscapes that Work for People and Wildlife in the Elk Valley	4-656	This project seeks to safeguard southeast BC's large mammal diversity for future generations by taking a multi-pronged approach to improve coexistence. This will include supporting on-the-ground actions to reduce and secure wildlife attractants, measuring the effectiveness of coexistence solutions and proactively collecting evidence to assess the risk and inform mitigation of future threats, and provide interactive tools for First Nations, wildlife managers, and municipalities to assess the potential risk of new developments on wildlife to ensure evidence gathered by scientists directly informs landscape stewardship.	$35,000	**Clayton Lamb** Alberta Biodiversity Monitoring Institute 778-215-0334 ctlamb@ualberta.ca
North Columbia Bull Trout Population Monitoring	4-658	This project aims to document a baseline of bull trout populations in the Bluewater, Waitabit, and Blaeberry drainages by conducting multi-year redd surveys during the spawning season. These surveys will aid in understanding the population trends of bull trout in these systems, identify important spawning habitats, and monitor water temperatures in these glacial systems in a time of climate change influence.	$5,000	**Brian Gustafson** Trout Unlimited 250-344-1188 cirqueenv@gmail.com
Harrop Wetland Enhancement Project	4-663	This project will improve 0.7 ha of previously restored wetland habitat to make it more climate-resilient by increasing the hydro-period, water depth, shade cover, and habitat diversity, addressing ongoing concerns of western toad tadpole mortality caused by insufficient water levels. The wetland basin will be connected to groundwater and habitat features will be created including pits, mounds, points, peninsulas, large woody debris, sandpits, and native vegetation. Extensive community investment generated through meetings, training, planting, and citizen science monitoring will ensure the wetland thrives for generations.	$15,000	**Camille LeBlanc** Friends of Kootenay Lake Stewardship Society 250-777-2744 manager@friendsofkootenaylake.ca
Red Canyon Ungulate Habitat Enhancement Project	4-672	This project will directly enhance critical habitat for mule deer, white-tailed deer, and Rocky Mountain elk within the Galton Range, specifically along the mountain face between Maguire Creek and Red Canyon Creek. Through the implementation of slashing treatments and invasive plant management, this project will address the threats of forest ingrowth and invasive plants on ungulate habitat, which will enhance habitat to better support and sustain healthy ungulate populations.	$99,930	**Gary Phillips** Tobacco Plains Indian Band 250-887-3461 gary.phillips@tobaccoplains.org

*Final Grant amount may be subject to funding condition(s)

Approved Projects in the Cariboo

Project Name	Project #	Project Description	Grant Amount	Project Leader Contact Information
Fisheries O&M - Cariboo	5-44	Enhance fisheries through lake aeration on Skulow, Irish, and Simon lakes; operation and maintenance of Haines Cr diversion to the 11 sister lakes; dams, weirs, and fish passage restoration on other lakes and streams.	$53,000	**Scott Horley** Ministry of Forests, Lands, Natural Resource Operations & Rural Development 250-302-5817 Scott.Horley@gov.bc.ca
Mid-Fraser River Sturgeon Assessment	5-196	This project focuses on filling knowledge gaps of sturgeon habitat use and behavior in the mid-Fraser. Specifically, this study will improve understanding of stock structure, juvenile recruitment, and adult habitat use in northern sections of the mid-Fraser.	$33,000	**Lynn Avis** Ministry of Forests, Lands, Natural Resource Operations & Rural Development 250-706-6253 lynn.avis@gov.bc.ca
Quality Waters Strategy - Cariboo Region	5-239	The Dean River guardian program will collect the necessary creel information to administer the Dean River draw and implement the Dean River angling management plan. River guardians on the Chilcotin River will monitor steelhead fisheries closure due to extreme conservation concerns.	$84,101	**Lee Williston** Ministry of Forests, Lands, Natural Resource Operations & Rural Development 250-398-4696 Lee.Williston@gov.bc.ca
Implementation of Cariboo Core Area Bull Trout Monitoring	5-286	This project will implement the recommendations from the Middle and Upper Fraser Bull Trout Management Plan. The overall purpose is to achieve desired outcomes that support sustainable opportunity and long-term stock conservation.	$47,700	**Lynn Avis** Ministry of Forests, Lands, Natural Resource Operations and Rural Development 250-706-6253 lynn.avis@gov.bc.ca
Horsefly River Rainbow Trout Enumeration and Habitat Use Study	5-306	This project seeks to develop a cost-effective method to index rainbow trout escapement and to support the implementation of legislative habitat protection measures for the Horsefly River Watershed. The first objective will be met by comparing rainbow trout catches from standardized seine netting and angling to precise mark-recapture estimates. The second objective will be met through the collection of both habitat use and stream temperature data.	$53,000	**Mike Ramsay** Ministry of Forests, Lands, Natural Resource Operations and Rural Development 250-267-4304 mike.ramsay@gov.bc.ca

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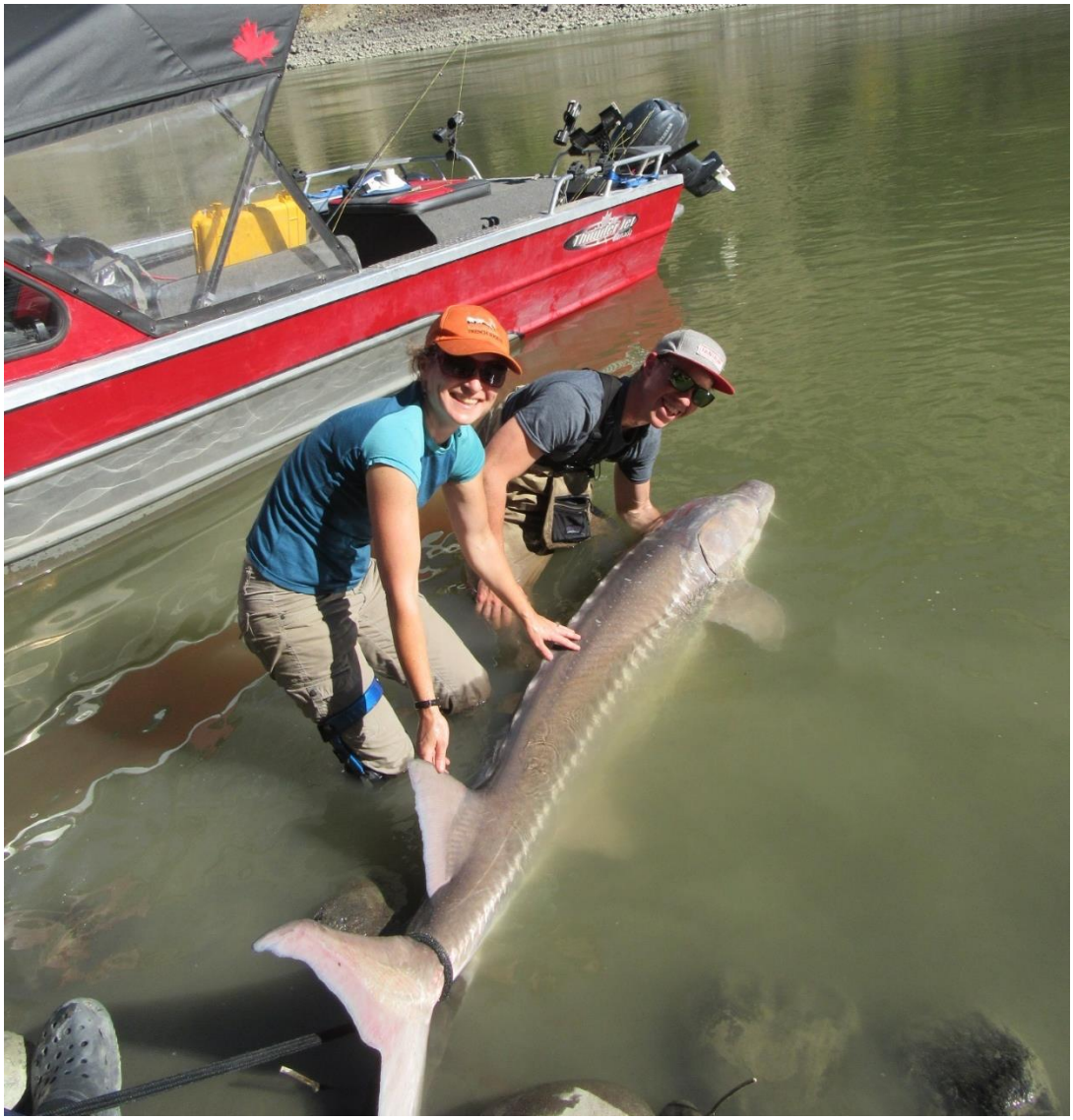
Cougar density estimation using DNA Mark-Recapture	5-307	This project utilizes closed spatial mark-recapture modeling to estimate cougar population densities in a select study area of the Cariboo region. This project would rely on a contracted hound handler to collect cougar DNA.	$29,602*	**Shane White** Ministry of Forests, Lands, Natural Resource Operations and Rural Development 250-302-4600 Shane.White@gov.bc.ca
Dean River Steelhead Stock Assessment Project	5-327	This project looks to apply telemetry, mark-recapture, and adult counts to evaluate if conservation measures are needed for the Dean River Steelhead fishery. This study will also prescribe a cost-effective monitoring plan to ensure required information is collected to implement necessary management actions if the stock does decline to unsustainable levels.	$99,500	**Russell Bobrowski** Ministry of Forests, Lands, Natural Resource Operations, and Rural Development 250-398-4258 russell.bobrowski@gov.bc.ca
Big Bar Slide Sturgeon Assessment	5-332	This project will evaluate sturgeon movement patterns across the Big Bar slide to inform fish passage structure design. The study will improve understanding of sturgeon habitat use, behavior, migration routes, and timing, as well as identify critical overwintering habitat.	$41,460	**Lynn Avis** Ministry of Forests, Lands, Natural Resource Operations and Rural Development 250-706-6253 lynn.avis@gov.bc.ca
Lake Trout Reward Tags and Acoustic Telemetry - Horse Lake	5-339	This project will look to continue acoustic tracking and paying cash rewards for lake trout tagged in Horse Lake. Data collected from this project will improve statistical confidence in the sustainable fishing rate benchmark which will help evaluate the status of lake trout throughout their range and also strengthen conclusions that lake trout in many lakes in BC's Central Interior were over-exploited and in need of more conservative harvest restrictions to ensure long-term sustainability.	$5,070	**Russell Bobrowski** Ministry of Forests, Lands, Natural Resource Operations, and Rural Development 250-398-4258 russell.bobrowski@gov.bc.ca
Rainbow Lake	5-345	This project will preserve and enhance habitat for the Itcha-Ilgachuz as well as the Rainbows, Tweedsmuir, and Charlotte Alplands caribou herds through the restoration of five roads (approximately 20.6km total) to reduce predator movement and prevent access by vehicles and equipment.	$219,220*	**Steve James** Ulkatcho First Nation 1-250-713-5856 sjames@chilcotinfp.ca

*Final Grant amount may be subject to funding condition(s)

North Thompson Caribou Recovery Access Management Project	5-346	This project aims to increase cover habitat and minimize interactions between predator populations and human activities, by reducing linear site lines through road deactivation, rehabilitation as well as planting within priority overwintering range of the Wells Gray South herd.	$289,688*	**Kerri-Jo Fortier** Simpcw First Nation 250-672-9995 NRD.manager@simpcw.com



Project #5-196: Mid-Fraser River Sturgeon Assessment

*Final Grant amount may be subject to funding condition(s)

Approved Projects in the Skeena Region

Project Name	Project #	Project Description	Grant Amount	Contact Information
Restoring Whitebark Pine Ecosystems to Enhance Subalpine Bear Habitat	6-227	This multi-partner project seeks to restore endangered whitebark pine ecosystems with high value for bears in the southern Skeena Region. Massive 2018 wildfires greatly increased the urgency of restoration.	$60,815	**Alana Clason** Bulkley Valley Centre for Natural Resources Research & Management 250-877-2418 Alana.Clason@bvcentre.ca
Quality Waters Strategy - Skeena	6-268	This project includes fishery development and planning activities on the Bulkley, Kispiox, and Morice Rivers, including a review of angler effort targets and the feasibility of lottery booking systems. Also includes stock assessment activities on the Skeena, Kitwanga, and Bulkley Rivers.	$114,000	**Kenji Miyazaki** Ministry of Forests, Lands, Natural Resource Operations & Rural Development 250 847-7292 Kenji.Miyazaki@gov.bc.ca
Tweedsmuir Caribou Winter Range - Chelaslie Road Restoration	6-284	This project will benefit the Tweedsmuir–Entiako caribou herd by using functional and ecological techniques to restore 80km of road and 33km of fireguard features in high-value low-elevation winter range with the goal of increasing intact caribou habitat and reducing predator-prey interactions through decreasing predator and human access.	$129,956	**Anne-Marie Roberts** Ministry of Forests, Lands, Natural Resource Operations and Rural Development 250-876-7040 annemarie.roberts@gov.bc.ca
Bulkley River Watershed Fish Passage Restoration	6-288	This project will facilitate the restoration of fish passage at road crossing structure barriers in the Skeena while helping tie together diverse groups to collaborate for ecosystem restoration. Using GIS planning/data analysis as well as through innovative and collaborative workflows/reporting we leverage the British Columbia Fish Passage Technical Working Group strategic approach protocol to systematically assess watersheds for connectivity issues and work with landowners, tenure holders, and project partners, restoration experts and stakeholders to implement projects.	$50,500	**Allan Irvine** Society for Ecosystem Restoration in Northern British Columbia 250-777-1518 al@newgraphenvironment.com

*Final Grant amount may be subject to funding condition(s)

Skeena Region Fluvial Char Baselines	6-292	This project will seek to identify species composition, geographical distribution, and exploitation rates of fluvial chars (Bull Trout and Dolly Varden) in various fisheries in the lower Nass and middle Skeena Rivers using high reward floy tagging and genetic sampling.	$60,000	**Kris Maier** Ministry of Forests, Lands, Natural Resource Operations and Rural Development 250-643-7290 Kris.Maier@gov.bc.ca
Effects of Partial Logging on a Predator Guild	6-296	This project will examine predator habitat use and selection in forests harvested using partial logging practices compared to traditional logging and unlogged forests. Using camera trapping, snow track transects, and backtracking this study will determine how these species use each habitat type.	$74,955*	**Karen Hodges** University of British Columbia Okanagan 250-807-8763 Karen.hodges@ubc.ca
Whitesail	6-306	This project will restore 86 km of roads to reduce predator and human access within the Whitesail Priority Restoration Area for the Tweedsmuir-Entiako caribou herd.	$320,830	**Kari Stuart-Smith** Canfor 250-426-9380 kari.stuart-smith@canfor.com

Project #6-227: Restoring Whitebark Pine Ecosystems to Enhance Subalpine Bear Habitat

*Final Grant amount may be subject to funding condition(s)

Approved Projects in the Omineca/Peace Region

Project Name	Project #	Project Description	Grant Amount	Project Leader Contact Information
Fisheries O&M - Peace	7-98	Operation & Maintenance will include winter aeration of Inga and Sundance Lakes, educational trips to the Inga Lake spawning channel, Swan Lake fishway maintenance, and Stewart Lake weir maintenance.	$22,000	**Tara White** Ministry of Forests, Lands, Natural Resource Operations & Rural Development 250-490-2287 tara.white@gov.bc.ca
Determining the Nutritional Importance of Kokanee to Grizzly Bears	7-471	Diet composition and kokanee consumption will be assessed to provide insight into potential physiological implications of decreasing kokanee availability to these grizzly bear populations in light of habitat and climate change.	$33,465	**Shelley Marshall** Ministry of Forests, Lands, Natural Resource Operations & Rural Development 250-739-8428 shelley.marshall@gov.bc.ca
Sharp-tailed Grouse Habitat Restoration and Enhancement in the Peace Region	7-507	Open grasslands and shrub-steppe habitats along the Peace River are being lost to natural succession and industrial development, resulting in the loss of important breeding habitat for sharp-tailed grouse. Using prescribed burning and other restoration techniques (e.g., manual brushing) approximately 130 ha of sharp-tailed grouse breeding habitat will be restored by removing encroaching tree cover and reducing tall, dense shrubs.	$44,958	**Alicia Woods** Ridgeline Wildlife Enhancement Inc. 250-262-9630 adwoods04@gmail.com
Canada Lynx Habitat Ecology on an Intensively Harvested Landscape	7-519	This project seeks to assess the habitat ecology and status of Canada lynx populations impacted by accelerated salvage harvest and provide applied recommendations for monitoring survey protocols and habitat management. The study will use a combination of non-invasive survey methods such as remote cameras and hair snags as well as GPS collars placed on individual lynx. Specific recommendations for lynx monitoring protocols, forestry practices, and habitat will be a direct conservation outcome of this project.	$17,680	**Shannon Crowley** Chuzghun Resources Corp. 778-978-0117 crowley@unbc.ca
Amoco Road Restoration	7-528	This project has, in previous years, resulted in functional and ecological restoration of 1,136 ha of road in the Klinse-Za caribou herd area. In this project year, we will conduct post-treatment monitoring of treatment effectiveness.	$30,549	**Tamara Dokkie** Nîkanêse Wah tzee Stewardship Society 250-788-3663 tamara.dokkie@westmo.org

*Final Grant amount may be subject to funding condition(s)

Health and Behaviour of BC's Southern Most Stone's Sheep	7-538	This project focuses on the two most southern functionally viable herds of Stone's sheep (i.e., Dunlevy and Schooler ranges). The project's goal is to help guide herd management and inform planning for habitat enhancement to support these at-risk herds.	$36,954*	**Robin Routledge** Wild Sheep Society of British Columbia 250-262-9058 routledger@gmail.com
Prescribed Burns for Wild Sheep Enhancement in Northeastern BC	7-540	This project will restore and enhance sheep habitat in current and historical range to support and grow healthy sheep populations. Non-forested habitats, including natural sub-alpine grasslands and grassland-shrub complexes, will be treated with prescribed fire to increase the quantity and quality of forage, increase the traversability of sites by removing bblowdownand dense shrubs, and decrease vertical structure to meet the seasonal foraging requirements of wild sheep.	$110,883	**Alicia Woods** Ridgeline Wildlife Enhancement Inc. 250-262-9630 adwoods04@gmail.com
Peck Creek-Upper Carbon	7-543	This project has, in previous years, resulted in functional and ecological restoration of 1,287 ha of road in the Klinse-Za caribou herd area. In this project year, we will conduct post-treatment monitoring of treatment effectiveness.	$76,281*	**Tamara Dokkie** Nîkanêse Wah tzee Stewardship Society 250-788-3663 tamara.dokkie@westmo.org
Trophic Changes Resulting from Sub-Lethal Glyphosate Based Herbicide Use in Forests: Fungi, Plants, and Pollinators	7-547	This project will explore how plant growth and reproduction are altered by the use of herbicide in forests. Including changes to pollinator populations, including species diversity, abundance, and pollinator fitness, as well as changes in pollinator behavior (ie. which flowers are chosen for visits, and where nesting sites are located in proximity to herbicide treatments). The study will also examine if mycorrhizal fungi populations are altered by herbicide, and thereby play a role in the changes observed in plants.	$30,000	**Lisa Wood** University of Northern BC 250-960-5352 lisa.wood@unbc.ca
Upper Finlay Arctic Grayling: Demographics and Population Structure.	7-552	This project will use genetic and otolith microchemistry analyses to estimate demographic structure in upper Finlay River Arctic Grayling, which are threatened by recent increases in mining activity.	$38,820*	**Mike Stamford** Stamford Environmental 604-886-4752 stamford@telus.net

*Final Grant amount may be subject to funding condition(s)

Callazon-Clearwater Valley: 4000 and 3800 Roads	7-554	This project will result in the functional and ecological restoration of approximately 16.3 km of linear corridors on two sites in the Clearwater Valley.	$94,987*	**Tamara Dokkie** Nîkanêse Wah tzee Stewardship Society 250-788-3663 tamara.dokkie@westmo.org
Goldway Road	7-555	Last year, this project used functional and ecological restoration techniques to restore up to 16 km of road in Caribou habitat. In 2022, this project will continue monitoring road use and seedling survival over winter.	$54,992*	**Sean Rapai** Chu Cho Environmental LLP 250-612-8043 sean@chuchoenvironmental.com
Mt.Rochfort	7-557	This project conducted habitat restoration within a newly protected, central part, of the Klinse-za/Scott East caribou herd area and will restore 156 km of road, reducing average disturbance in the watersheds, adding 7,865 ha of habitat, and contributing to a total of 16,322 ha of contiguous caribou range.	$235,555*	**Tamara Dokkie** Nîkanêse Wah tzee Stewardship Society 250-788-3663 tamara.dokkie@westmo.org
Canoe Valley Wetland Connectivity Restoration Project	7-563	This project is a multi-year initiative of Simpcw First Nation and LGL Environmental to increase wetland habitat connectivity in the Valemount area and along the Canoe River corridor upstream of Kinbasket Reservoir. The project will provide a valuable opportunity to monitor and evaluate wetland restoration/creation approaches, as well as to engage with the Village of Valemount, conservation groups, and Valemount community members, and private landowners, regarding other possible wetland restoration or enhancement opportunities in the region.	$5,000	**Tina Donald** Simpcw First Nation 250-672-9995 fisheries.manager@simpcw.com
Quintette Lichen Restoration Transplant	7-568	This project will contribute to the enhancement and restoration of important lichen foraging habitat for caribou in the Quintette caribou herd. Field trials of different lichen transplant and establishment methods will be used to identify the most effective approaches for restoring lichen to areas where those species have been eradicated by industrial and recreational activity.	$5,000	**Alycia Aird** Aski Reclamation LP 250-788-6574 aaird@askilp.ca

*Final Grant amount may be subject to funding condition(s)

Stone's Sheep Seasonal Range Use in the Omineca Region	7-570	Sheep ranges in British Columbia's Omineca Region constitute the south-central portion of global Stone's sheep range and is generally poorly understood. This project aims to define herd boundaries and habitat selection in the Tatlatui, Swannel, and Russel ranges to better monitor and evaluate population trends, harvest pressure, and habitat management options.	$46,580	**Robin Routledge** Wild Sheep Society of BC 250-262-9058 Robin.wssbc@gmail.com
Collaborative Approach to Moose Enhancement Along the Omineca River	7-575	This seed grant will assess the feasibility of enhancement activities for moose along the river. Taking a collaborative approach, we plan to seed assistance from Local First Nations, Residents of Germansen Landing, Local Guide Outfitters, BC Parks, BC wildlife biologists, and any others interested to identify on-the-ground activities that would benefit moose.	$4,982	**Krista Sittler** Wildex Consulting Ltd. 250-640-1618 krista@wildex.ca
Prescribed Burns for Moose, Elk, and Deer in the Doig River Area	7-577	The purpose of this project is to create a collaborative prescribed burn and habitat restoration program between local Indigenous communities, stakeholders, and private landowners with the objectives of returning prescribed fire to the land and improving habitat for ungulates.	$5,000	**Alicia Woods** North Peace Rod & Gun Club 250-262-9630 adwoods04@gmail.com
Fisher Creek - Crassier Creek Linear Restoration	7-579	This project will benefit the Klinse-Za caribou herd by functionally and ecologically restoring 40 km of linear features to reduce predator, alternate prey, and human movement from low elevation to high elevation Core Habitat, along movement corridors and linear features of in block roads within the B1 zone of the Klinse-za priority herd.	$110,000*	**Alycia Aird** Aski Reclamation Limited Partnership 250-788-6574 aaird@askilp.ca

*Final Grant amount may be subject to funding condition(s)

Approved Projects in the Okanagan

Project Name	Project #	Project Description	Grant Amount	Project Leader Contact Information
Wildlife Habitat Stewardship and Enhancement in the Okanagan & Similkameen	8-90	This project continues to build on the successes of Okanagan Similkameen Stewardship, supporting land stewardship, conservation, and enhancement activities. This initiative provides assistance and support to landowners and land managers in conservation, stewardship, and enhancement of wildlife habitats on private land while maintaining other land-use practices such as agriculture and eco-tourism. This program will develop recommendations for landowners with respect to best management practices and management plans for coexisting with wildlife on your property and support projects, such as native plant enhancement, shoreline fencing, and invasive plant management to enhance wildlife habitat in our communities.	$50,000	**Alyson Skinner** Okanagan Similkameen Stewardship Society 250-770-1467 alyson@osstewardship.ca
Fisheries O&M - Okanagan	8-124	This project covers Operations and Maintenance of the aeration of high effort small lakes fisheries, Burnell Lake aerator operation and water diversion maintenance, Kidd Lake aerator operation, Yellow Lake aerator operation, Gardom Lake aerator operation, Martins Lake aerator operation, dam maintenance on 14 Okanagan region lakes with conservation water licenses, maintenance of kokanee (and rainbow) spawning habitat, Mission Creek spawning channel maintenance, Vaseux Creek fishway maintenance, Peachland Creek restoration structure maintenance and gravel scarification, Vernon creeks restoration structure maintenance.	$80,500	**Tara White** Ministry of Forests, Lands, Natural Resource Operations & Rural Development 250-490-2287 tara.white@gov.bc.ca
Mission Creek Restoration Initiative - Monitoring and Restoration Planning	8-320	This project aims to address declining kokanee populations and habitat degradation concerns in Mission Creek. The project includes a monitoring program to assess the effectiveness of previous restoration and development of an engineered design and implementation strategy for a priority reach.	$43,929	**Steve Matthews** BC Conservation Foundation 250-809-9840 matthewsenvconsulting@gmail.com

*Final Grant amount may be subject to funding condition(s)

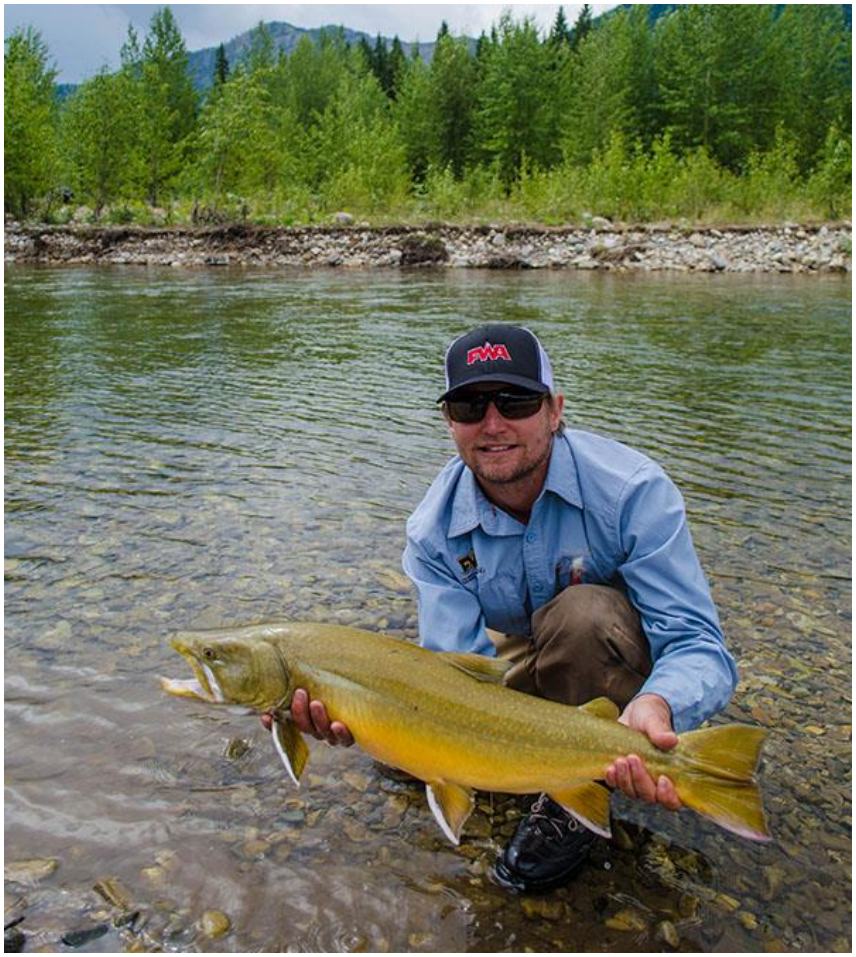
Mule deer response to wildfire and habitat change in southern British Columbia	8-408	This project will identify the effect of wildfire and disturbance on mule deer habitat selection, migration, and population growth in the Boundary Region, West Okanagan, and Bonaparte Plateau areas of British Columbia. This research will provide management tools and recommendations to increase mule deer abundance.	$35,000	**Adam Ford** University of British Columbia 250-807-9773 adam.ford@ubc.ca
Restoring Riparian Cottonwood of the Kettle River for Species at Risk	8-433	The Riparian Black Cottonwood Forests of the Kettle River Watershed are considered one of the rarest ecosystems in the province. These areas provide key habitat for the life cycle of several species at risk in the area including the Lewis's Woodpecker. This project will encourage the stewardship of these areas on both private and public lands through restoration and enhancements of the black cottonwood plant community along the Kettle and Granby River shorelines.	$42,700	**Jenny Coleshill** Granby Wilderness Society 250-442-5088 jenny.coleshill@granbywildernes s.ca
Enhancement of Winter Range Habitat for Mule Deer	8-452	This habitat enhancement project is designed to investigate a range of harvesting options in mule deer winter range in the Bald Range west of Summerland. The goal is to maintain overstory cover and stimulate forage production.	$22,400	**Tom Sullivan** Applied Mammal Research Institute 250-494-7160 tom@appliedmammal.com
Restoration of Habitat for Mustelids and Tree Squirrels in Beetle-Damaged Forest	8-465	Restoration of wildlife habitat after salvage harvesting of Mountain Pine Beatle killed pine stands include an array of stand thinning regimes to restore coniferous forests and enhance their habitat attributes for small mustelids and tree squirrels. These thinned stands will be compared to uncut old-growth forests in terms of stand structure and measurements of mustelid activity and tree squirrel populations.	$31,500	**Tom Sullivan** Applied Mammal Research Institute 250-494-7160 tom@appliedmammal.com
Upper Shuswap River Drainage Bull Trout Assessment	8-466	This project will assess the status of the bull trout population in the Upper Shuswap drainage and identify appropriate management options and angling regulations to address conservation concerns and maintain a sustainable quality fishery.	$53,876	**Tara White** Ministry of Forests, Lands, Natural Resource Operations & Rural Development 778-622-6839 Tara.White@gov.bc.ca

*Final Grant amount may be subject to funding condition(s)

Western Screech-Owls in a changing climate	8-490	This project aims to determine how threatened Western Screech Owls in southcentral British Columbia are being impacted by changes in climate, namely temperature fluctuations and extreme heat events, and whether riparian areas act as climate refugia for owls.	$76,030*	**Karen Hodges** University of British Columbia - Okanagan 250-807-8763 karen.hodges@ubc.ca
Facilitating Conservation in the Central and North Okanagan	8-491	This project will increase the capacity of the Okanagan Collaborative Conservation Program and its partners to develop and implement conservation initiatives designed to increase conservation outcomes for fish, wildlife, and habitats. The initiatives include the finalization of a 5-year Habitat Connectivity Action Plan, implementation of on-the-ground restoration projects, completion of the Okanagan Lake Conservation Planning Initiative, and the development of the Okanagan Lake Responsibility Strategy.	$29,500	**Scott Boswell** Thompson Okanagan Tourism Association 250-469-6292 occp123@gmail.com
Lower Trout Creek Re-naturalization	8-493	This project will re-naturalize Trout Creek's lower 2 km reach, including restoring riffle-pool sequences and re-engaging 90,000 m^2 of the floodplain.	$110,516*	**Karilyn Alex** Okanagan Nation Alliance 250-707-0095 KAlex@syilx.org
Region 8 (Okanagan) Small Lakes Aeration Upgrade and Modernization	8-496	This project will upgrade and modernize the aeration systems for 2 of the highest effort fishing lakes in the Okanagan Region; Yellow and Gardom Lakes.	$32,000*	**Eric Hegerat** Ministry of Forests, Lands, Natural Resource Operations and Rural Development 778-622-6840 eric.hegerat@gov.bc.ca
Feasibility of Resistivity Counters in Upper Shuswap Tributaries	8-498	The project aims to assess the feasibility of installing and operating a resistivity counter and video monitoring equipment in tributaries of the Upper Shuswap (Gates or Vigue Creek) to monitor the spawning Bull Trout population. In addition, we will also conduct an exploration of the Whatshan River due to its proximity to the Upper Shuswap and the similar understanding of the Bull Trout population in the Whatshan Watershed. The data collected will be used to determine the timing of spawning activity, and produce estimates of the spawner abundance, and residence time in both watersheds.	$5,000	**Daniel Ramos-Espinoza** InStream Fisheries Research Inc. 778-893-8250 Dani@instream.net

*Final Grant amount may be subject to funding condition(s)

Indigenous Cultural Ecosystems in the Okanagan Nation	8-499	This seed project will partner with the Okanagan Nation to identify and describe rare or 'at risk' Indigenous culturally significant ecosystems that have been maintained or cultivated by Indigenous Peoples in the past and/or present and are important habitat for wildlife and species at risk. The project will incorporate Indigenous Traditional Ecological Knowledge and practices alongside Western scientific practices to inventory these ecosystems. The goal is to gather data to assess the conservation status of these ecosystems while promoting the protection and restoration of these ecosystems through continued Indigenous presence on the land.	$5,000	**Reiley Terbasket** Ministry of Environment and Climate Change Strategy Reiley.Terbasket@gov.bc.ca



Project #8-466: Upper Shuswap River Drainage Bull Trout Assessment

*Final Grant amount may be subject to funding condition(s)