

2019-20 Approved Projects in the Lower Mainland

Project Name	Project #	Project Description	Grant Amount	Contact Information
Establishing Agricultural Waterfowl and Raptor Habitat on the Lower Fraser	2-349	Approximately 1,190 hectares of upland agricultural habitat will be established on the lower Fraser River delta, which is located within the largest estuary on the Pacific coast of Canada. Farmers located in the Municipalities of Delta and City of Richmond will establish grassland habitat, in the form of winter cover crops and grassland set-asides, in order to provide high-quality feeding and roosting habitat for resident and migratory waterfowl, and raptors.	\$20,000.00	Drew Bondar Delta Farmland and Wildlife Trust 604-940-3392 drew@deltafarmland.ca
Lower Fraser River White Sturgeon Monitoring and Assessment Program 2019-2020	2-375	This stewardship-led project continues the successful and award-winning Lower Fraser River White Sturgeon Monitoring and Assessment Program established in 2000. The project has been identified as a priority action by the TWG and aligns with the recently completed Lower/Mid-Fraser White Sturgeon 5 Year Strategic Action Plan. The project delivers annual abundance estimates and growth rates, by size and age group, of Lower Fraser River White Sturgeon, and is used by provincial authorities to conserve and manage the resource. The 2018-19 project is year 3 of a 5-year continuing multi-year HCTF project (2016-2021), and will be the 19th consecutive year of the program.	\$94,875.00	Sarah Schreier Fraser River Sturgeon Conservation Society 604-664-7664 ext. 107 sarah@frasersturgeon.com
Learn to Fish Program (L2F)	2-390	Learn to Fish (L2F) is designed to break down barriers to recreational fishing by introducing youth and adults to the sport. L2F is delivered across all regions of the province to over 25,000 youth and their families annually with support from HCTF and its other program partners.	\$80,000.00	Mike Gass Freshwater Fisheries Society of BC 604-302-6235 Mike.Gass@gofishbc.com
Lower and Middle Fraser White Sturgeon Recovery Working Group Support	2-455	This project provides supporting resources for the coordination and management of the Lower and Middle Fraser River Sturgeon Technical and Community Recovery Working Groups (TWG & CWG).	\$9,988.00	Erin Stoddard MFLNRD 604-586-5644 Erin.Stoddard@gov.bc.ca

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South Coast Grizzly Bear Ecology & Cumulative Effects Research	2-464	This project is investigating several aspects of grizzly bear ecology, with a focus on space-use and movements relative to influential factors of habitat and human activity. Inferences will be directly relevant to understanding short and long-term implications of cumulative human impacts on grizzly bear recovery and conservation. Data will also contribute to long-term tracking of population responses. Predictive outputs that are empirically tested will serve to direct appropriate mitigation and conservation strategies.	\$60,000.00	Clayton Apps Aspen Wildlife Research Inc. 403-270-8663 clayton.apps@telus.net
Lower Fraser White Sturgeon Telemetry Study: Long-term monitoring of adult sturgeon movement activities and habitat use	2-530	This long-term (10 yr.) project is monitoring adult (>160 cm) White Sturgeon movements, migrations and habitat use through the acoustic tracking of adult sturgeon within and between over-wintering, feeding and spawning habitats in the Lower Fraser, Pitt and Harrison Rivers to assess patterns, periodicity and fidelity.	\$44,880.00	Erin Stoddard MFLNRORD 604-582-5374 Erin.Stoddard@gov.bc.ca
Conservation of Threatened Raptors on the Sunshine Coast	2-552	We will conduct surveys to identify and assess occupied breeding territories for Western Screech-Owls and Northern Goshawks on the Sunshine Coast, and work with government, First Nations, industry, and landowners to protect these areas. Complementary engagement activities will improve awareness and participation in raptor stewardship activities.	\$14,700.00	Michelle Evelyn Sunshine Coast Wildlife Project 604-886-1910 mjevelyn@gmail.com
Sunshine Coast Community Wildlife Habitat Stewards	2-574	We will increase habitat protection, enhance wildlife habitat, and encourage sound land care practices on the Sunshine Coast by engaging landowners and community members; providing resources, tools, training and support; and facilitating community involvement in habitat enhancement activities.	\$19,940.00	David Stiles Sunshine Coast Wildlife Project 604-886-1910 coastwildlife@gmail.com
Improving Wildlife Habitat in Logged and Fire-Damaged Coastal Forests	2-618	We will increase the quantity and quality of habitat for wetland-dependent wildlife on the Sunshine Coast by working with logging contractors and tenure holders to conserve wetlands during forestry operations, and to restore, enhance, and create wetlands in recently logged and fire-damaged forests.	\$29,800.00	Michelle Evelyn Sunshine Coast Wildlife Project 604-886-1910 mjevelyn@gmail.com

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Wolverine movements, home range and habitat use in a human dominated landscape, South Coast	2-622	We propose to examine home ranges, seasonal movements, and habitat use of wolverines in the South Coast. While inventories have been completed, further information is needed on movements, home range size, and habitat use in relation to human activities in order to better manage wolverines in a multiple-use landscape. This proposal builds on the inventory and distribution data collected in HCTF Projects 2-519 and 2-600.	\$48,612.00	Cliff Nietvelt MFLNRORD 604-798-3366 Cliff.Nietvelt@gov.bc.ca
Habitat Restoration for Little Campbell River Cutthroat Trout	2-629	This project aims to address these key issues through habitat restoration in critical areas of the watershed. As a first step, we need to better understand the status of the LCR CT population and the potential of the watershed to support a stable CT population.	\$28,740.00	Christy Juteau A Rocha Canada Stewardship Coordinator 604-542-9006 Christy.juteau@arocha.ca
Chilliwack River Adult Winter Steelhead Stock Assessment	2-639	This proposal is for year 2 of a proposed 5 year project which will evaluate the logistical feasibility and utility of an annual series of adult steelhead snorkel float index surveys as a long-term stock assessment tool for the Chilliwack River.	\$17,372.00	Mike Willcox MFLNRORD Michael.Willcox@gov.bc.ca
Mountain Goat Seasonal Movements and Habitat Use in the Mount Meager Complex, South Coast	2-640	We propose to radio collar (GPS) 35-45 mountain goats in the Mount Meager Complex. The objectives are to determine if these goats make large seasonal movements to and from winter ranges, as well as quantify habitat use in winter and summer in relation to the burned habitats. As this is a hunted population and perhaps one of the largest and most important goat populations in the South Coast, this information on seasonal movements and habitat use is crucial in our understanding of how to better manage this population.	\$59,150.00	Cliff Nietvelt MFLNRORD 604-798-3366 Cliff.Nietvelt@gov.bc.ca
The Metamorphosis of the Ryder Lake Amphibian Protection Project	2-642	The goal of this project is to improve the success of the amphibian migrations at Ryder Lake. This year, two culverts along Elk View Road were improved. In 2019, we will be testing new directional fencing to ensure that amphibians will be able to access these culverts. In October of 2018, monitoring of the amphibians recorded young American bullfrogs migrating out of the wetland. Consequently, control of this invasive species will become a new objective for this project.	\$24,145.00	Joanne Neilson Fraser Valley Conservancy 604-625-0066 joanne@fraservalleyconservancy.ca

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Roosevelt Elk Inventory - South Coast	2-643	We will conduct inventory of Roosevelt Elk in the South Coast Region, through annual aerial flights. This project will generate population estimates for each unit surveyed and results will lead to improved conservation, management and planning.	\$56,000.00	Darryl Reynolds MFLNRORD 604-885-7419 Darryl.Reynolds@gov.bc.ca
Exploring Conservation Issues Related to the Effects of Bear Viewing on Bears	2-648	This project examines the use of remote camera data to understand and inform potential conservation problems that may be associated with people viewing bears. Remote camera data gathered at bear viewing operations may be used to examine reproductive patterns of grizzly bears that have conservation significance for populations, such as litter size and cub survival, as well as the diel information necessary to predict conservation issues.	\$33,875.00	Lana M. Ciarniello Aklak Wildlife Consulting Wildlife Biologist 250-923-8881 aklak@telus.net
Lloyd Wetland Habitat Restoration for Fish and Wildlife	2-651	Lloyd Wetland is a heavily degraded wetland ecosystem in North Vancouver. This project will undertake various activities to restore the wetland, such as removal of dumped materials and installation of educational signage and fencing. These works will ensure the wetland can once again provide safe and suitable habitat for fish and wildlife.	\$47,000.00	Tara Matthews Wildcoast Ecological Society CEO 778-995-7827 taramatthews@schoecological.com
Wetland Restoration and Wildlife Monitoring in the Meighan Creek Sub-basin (Garibaldi Springs)	2-656	This project will restore and enhance wetland habitat for multiple wildlife species, including the at-risk Pacific Water Shrew, in the Meighan and Dryden Creek basins on a portion of the non-operating Garibaldi Spring Golf Course lands that are being re-developed for residential use by Polygon Development 315 Ltd.	\$5,000.00	Edith B. Tobe Squamish River Watershed Society Project Manager 604-898-9171 srws@shaw.ca
Northern Red-Legged Frogs: Habitat Enhancement in Delta Nature Reserve	2-657	Locating Northern Red-Legged Frogs in the Delta Nature Reserve, and determining how to enhance their habitat.	\$5,000.00	Nikolai Karpun Burns Bog Conservation Society Research and Stewardship 604-572-0373 nikolai@burnsbog.org
Camp Slough Conservation Area Restoration Project	2-658	The project is to develop a plan to restore a Provincially-designated conservation land from a maintained old field habitat into a functional, self-sustaining ecosystem for the benefit of over 130 native wildlife species, including birds, mammals, amphibians, and insects.	\$5,000.00	Eric Balke Ducks Unlimited Canada Coordinator 604-586-5643 Eric.balke@gov.bc.ca

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Green River fish and wildlife habitat ecological restoration planning.	2-659	This project will collaborate with local partners to develop action plans for the future ecological restoration of fish and wildlife habitat at three degraded sites in the vicinity of the Green River in Pemberton BC.	\$5,000.00	Greg Ferguson Pemberton Wildlife Association Project Coordinator secretary@pembertonwildlifeassociation.com
Upper Pitt River Bull Trout Risk Assessment	2-661	This project will collaborate with local partners to develop action plans for the future ecological restoration of fish and wildlife habitat at three degraded sites in the vicinity of the Green River in Pemberton BC.	\$46,836.00	Greg Andrusak MFLNRORD 778-698-9237 Greg.andrusak@gov.bc.ca
Lower Fraser Juvenile White Sturgeon Annual Monitoring Program	2-665	Size-selective angling techniques will be used at known juvenile sturgeon rearing sites in the lower Fraser River to capture, scan, and PIT tag sufficient numbers of juvenile sturgeon (30-60 cm fork-length) to derive annual estimates of abundance for this portion of the population.	\$110,974.00	Sarah Schreier Fraser River Sturgeon Conservation Society Executive Director 604-664-7664 ext. 107 sarah@frasersturgeon.com
LGL-Matsqui-Yale selective fishing initiative using three fishwheels	2-666	The purpose of the project is to demonstrate the capabilities of fishwheels to selectively harvest some salmon species and release non-target species (e.g. coho, steelhead and sturgeon) during the September and October periods when non-selective gear (e.g. gill nets) are not permitted due to bycatch concerns for interior Fraser coho and steelhead.	\$150,000.00	Karl English LGL Limited Stock Reduction Analyst 250-656-0127 kenglish@lgl.com
Native Plant Landscaping to Increase Native Bird Populations in Vancouver	2-668	The project will engage 2500 youth in multi-week experiential education programs and school workshops to grow 10,000 bird-supporting native plants and develop a demonstration birdscape in Vancouver's Downtown Eastside. 50 project partners will receive native plants for 50 habitat gardens supporting native bird diversity and populations.	\$21,001.00	Emily Keller EYA Environmental Youth Alliance Society Executive Director 604-689-4446 emily@eya.ca
Chilliwack River Guardian Program	2-669	The Chilliwack River Guardian Program will facilitate improved angler awareness, education and conservation of Steelhead in the Chilliwack River. This will be accomplished through the collection of basic fishery use and quality data via Creel-style field surveys and will complement existing studies and better inform management decisions regarding angler participation, compliance, regulations, fishery quality and wild stock conservation.	\$17,275.00	Mike Wilcox MFLNRORD Michael.wilcox@gov.bc.ca

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<p>Inlailawatash (Indian River) Watershed Upper Long Channel Coho Habitat Protection</p>	<p>2-670</p>	<p>This project will focus on the protection of critical off-channel rearing and refuge habitat for coho, rainbow trout, and cutthroat trout. It will include construction of appropriate structures at the inlet to a 2km long side-channel in the Indian River to protect it from erosion from high velocity flows and transportation of LWD during high-water events.</p>	<p>\$5,000.00</p>	<p>Haley Crozier 778-997-1747 Haley.crozier@live.ca</p>
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Project 2-552 - Conservation of Threatened Raptors on the Sunshine Coast

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