



HCTF 2015-16 Approved Projects - Lower Mainland

Project Name	Project #	Project Description	Approved Funding	Project Leader
Coastal Mainland Roosevelt Elk Recovery and Management Project (CMRERMP)	2-127	With the assistance of a variety of partners, this project will continue efforts to translocate Roosevelt Elk in order to facilitate the recovery of this blue-listed species on the coastal mainland. Additionally, we will continue to provide increased recreational opportunities, while furthering the understanding of Roosevelt elk population dynamics.	\$65,000	Darryl Reynolds Ministry of Forests, Lands and Natural Resource Operations 604-885-7419
City of Surrey Salmon Habitat Restoration Program (SHaRP) 	2-337	SHaRP promotes watershed stewardship and performs habitat enhancement within Surrey through outreach programs and restoration work to improve fish habitat. SHaRP also provides youth with career-orientated experience in stewardship practices and community involvement.	\$15,000	Liana Ayach The City of Surrey 604-591-4383
Provision of Waterfowl and Raptor Habitat Within Managed Grasslands on Lower Fraser River Farmland	2-349	Over 1,150 ha of grassland habitat (Winter Cover Crops & Grassland Set-asides) will be established on farmland in Delta, BC through DF&WT's Stewardship Programs. The grasslands will provide feeding and roosting habitat for internationally-important waterfowl and raptors.	\$20,000	Christine Terpsma Delta Farmland and Wildlife Trust 604-940-3392
Lower Fraser River White Sturgeon Monitoring and Assessment Program	2-375	This project continues successful, stewardship-led White Sturgeon population monitoring and assessment activities 2000 and is listed as a priority action in "Lower/Mid-Fraser White Sturgeon Provincial Conservation and Management 5Year Strategic Action Plan." The project delivers annual estimates of population & growth rates, by size group of lower Fraser River White Sturgeon. It is used by provincial authorities to conserve and manage the resource.	\$81,239	Troy Nelson Fraser River Sturgeon Conservation Society 778-322-7345
Learn to Fish Program 	2-390	Learn to Fish (L2F) is designed to break down barriers to recreational fishing and to introduce new anglers, particularly youth to the sport. HCTF funds will be used to deliver L2F programs across the province. FFSBC with funding from HCTF and other partners aims to put over 25,000 participants through L2F in 2015/16.	\$80,000	Mike Gass FFSBC 250-414-4200




<p>Lower and Middle Fraser White Sturgeon Recovery Working Group Support</p> 	2-455	<p>This application is for the first year of a second five year cycle for continued coordination support for the regional lower and middle Fraser White Sturgeon recovery working groups. This project provides supporting resources for the organization, operation and management of the Lower and Middle Fraser River Sturgeon Technical and Community Recovery Working Groups (TWG & CWG). Lower and middle Fraser White Sturgeon recovery needs are discussed and addressed through the recovery working groups. The working groups also discuss, plan and design recovery projects, actions and management activities.</p>	\$9,131	<p>Erin Stoddard Ministry of Forests, Lands and Natural Resource Operations 604-582-5374</p>
<p>Lower Fraser White Sturgeon Telemetry Study: Long-term monitoring of adult sturgeon</p>	2-530	<p>This request is for support from the dedicated sturgeon surcharge fund to maintain the existing acoustic receiver network for the multi-year lower Fraser Sturgeon Telemetry project, and includes the cost to purchase 20 additional V16 acoustic tags, the use of a contracted sturgeon capture team to help capture sturgeon for implanting the tags.</p>	\$38,524	<p>Erin Stoddard Ministry of Forests, Lands and Natural Resource Operations 604-582-5374</p>
<p>Lynn Creek Estuary Habitat Restoration</p>	2-541	<p>This project intends to restore habitat and improve productivity of intertidal and shoreline zones at the Lynn Creek estuary for fish and wildlife benefiting anadromous salmonids and coastal cutthroat and steelhead trout, shoreline-dependent wildlife such as osprey and otters, and estuarine-dependent bird species.</p>	\$50,000	<p>Dave Harper British Columbia Conservation Foundation (Lantzville) 604-432-8228</p>
<p>Coastal Lake Assessment</p>	2-544	<p>This is Year 2 of a 3 year project designed to assess the population status of wild coastal cutthroat, Dolly Varden and kokanee in 24 small lake habitats located on the Sunshine Coast portion of South Coast Region. The project will provide information necessary to help conserve these important native stocks and habitats while providing sustainable recreational fisheries. The information gathered will also help inform treaty related discussions with area First Nations.</p>	\$12,150	<p>Iain Lunn Ministry of Forests, Lands and Natural Resource Operations 604-582-5234</p>
<p>Improving Upon and Updating Steelhead Stock Assessment Data on Priority Lower Mainland Rivers</p>	2-553	<p>This project will assess and update historic population trend data on five recreationally and economically important wild and hatchery steelhead rivers in region 2 annually over a five-year period. Data collected during the project will help guide provincial steelhead management decisions to maximize recreational steelhead angling opportunities available in this region.</p>	\$5,000	<p>Kenji Miyazaki Ministry of Forests, Lands and Natural Resource Operations 604-586-5652</p>
<p>Mountain Goat Census: Management Units 2-2 and 2-3</p>	2-560	<p>We will conduct a census of mountain goats (<i>Oreamnos americanus</i>) in Management Units 2-2 and 2-3. This project will generate a population estimate for these MU's that will be used to inform First Nations, stakeholders and management decisions.</p>	\$16,500	<p>Darryl Reynolds Ministry of Forests, Lands and Natural Resource Operations 604-885-7419</p>



Lamprey Data Search and Gap Analysis	2-561	This project will collect information on Pacific Lamprey distribution, biology, abundance and threats to improve our understanding and help inform the conservation status of Pacific Lamprey in B.C. There are conservation concerns for Pacific (and other) lamprey species in adjacent waters of WA, OR, ID, CA, while in BC we have very little information, but likely lots of data.	\$10,006	Jeremy Damborg British Columbia Conservation Foundation (Lantzville) 250-390-2525
Squamish Central Estuary Restoration Project	2-562	This project will restore a brownfield former log sort back into functional estuarine habitat through the re-grading and re-vegetation of the brownfield site, and the re-grading, back filling, and replanting with aquatic vegetation of the adjacent pond site. In addition to restoring the site back to functional tidal estuary, the site will also provide a valuable educational tool for local schools and universities to develop experiential learning curricula for the site and a long-term monitoring program that can be overseen by students and volunteers.	\$53,935	Edith B. Tobe Squamish River Watershed Society 604-898-9171
MacKay Creek Habitat Enhancement Project 	2-566	This project will restore the riparian area of lower MacKay Creek to make the habitat more suitable for costal cutthroat trout, chum, coho and steelhead species. As well, it will also provide further benefits for other bird and small mammal species through the increase of native vegetation in the area.	\$29,740	Paul Berlinguette North Shore Wetland Partners 604-831-6145
Sturgeon habitat use and spawning in Pitt and Harrison watersheds	2-567	This project's goal is to investigate white sturgeon use of Pitt and Harrison lakes. Year one will use a small number of pop-up satellite tags to provide an initial indication of habitat use, including potential spawning movements. Work in subsequent years may include acoustic tracking, and directed egg mat sampling to evaluate habitat use and spawning.	\$47,300	Steven McAdam Ministry of Environment 604-222-6760
Lower Fraser River sturgeon spawning area surveys to guide egg mat deployment.	2-568	Surveys conducted in 2013 and 2014 have demonstrated that advanced side-scan sonar survey techniques are effective for quantifying the number, size and location of adult sturgeon in potential sturgeon spawning areas during the sturgeon spawning period in the lower Fraser River. In 2015, we propose to conduct two side-scan sonar surveys at each of 10 potential sturgeon spawning sites to quantify the relative number of mature (large) sturgeon located in each area and their distribution within each site. Two of these sites will be locations where spawning size sturgeon were detected in 2013. A separate study proposed by Erin Stoddard (MFLNRO) will deploy egg mats at these two sites in 2015 to detect sturgeon spawning events.	\$57,450	Karl English Fraser River Sturgeon Conservation Society 250-656-0127



<p>Ryder Lake Amphibian Protection Project</p>  <p>Photo: Barb Beasley</p>	2-571	This project will support a community in its ongoing conservation efforts to mitigate the impact of their vehicles on at-risk amphibian populations. We will evaluate the effectiveness of a refined amphibian crossing structure design and use this information to support other stewardship groups in their amphibian conservation efforts.	\$10,285	Kendra Morgan Fraser Valley Conservancy 604-625-0066
<p>Sturgeon Bank Restoration: Determining the Cause of Salt Marsh Retreat</p>	2-573	The salt marsh and mudflat on the Fraser River Delta foreshore supports internationally significant numbers of migratory and wintering birds and is one of the most important bird habitats in Canada. Field survey data has revealed that the salt marsh on Sturgeon Bank in the provincially designated Wildlife Management Area has receded up to 500 m (33%) between 1989 and 2011, but restoration action can't take place until the cause is known. We propose to test four hypotheses proposed to explain the proximate cause of the retreat in a 3 year comparative study of Sturgeon Bank and nearby Westham Island, where the salt marsh is relatively stable.	\$37,500	Brent Gurd Ministry of Forests, Lands and Natural Resource Operations Reg 2 604-582-5397
<p>Sunshine Coast Community Wildlife Habitat Stewards</p>	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	David Stiles Sunshine Coast Wildlife Project 604-886-1910
<p>Lower Fraser White Sturgeon Spawning Habitat Confirmation Project</p>	2-576	This is the 1st year of a 3 year project to deploy spawn mats and D-ring drift nets to confirm sturgeon spawning sites in the lower Fraser River. Sites will be chosen based on adult congregation information collected through the side scan sonar project(s) and on expert angler and others' advice.	\$11,814	Erin Stoddard Ministry of Forests, Lands and Natural Resource Operations Reg 2 604-582-5374
<p>Rainy River weir and fish ladder assessment</p>	2-580	This project will assess the Rainy River weir and fish ladder to determine efficacy of upstream and downstream migration of salmonids.	\$5,000	Daniel Kriss 778-868-9264
<p>Squamish River Bull Trout Distribution, Spawning Location and Angling Effort</p>	2-581	This project will develop a 3-year study to evaluate coastal bull trout targeted angling effort and identify bull trout spawning locations and habitat usage in the Squamish River watershed.	\$5,000	Jason Ladell Instream Fisheries Research Inc. 6044288819
<p>BCIT Rivers Institute Summer Intern Program</p>	2-586	HCTF will provide joint / cost share funding to BCIT for the Rivers Institute Summer Intern Program, which will help pay employment costs for summer interns working on fish, wildlife, habitat and conservation projects.	\$10,000	Robert Stevens BC Institute of Technology 604-432-8323

