



HABITAT
CONSERVATION TRUST
FOUNDATION


APPROVED PROJECT LIST 2015-2016

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Multi Region Projects


(Projects Benefiting Multiple Regions of British Columbia)

Project Name	Project #	Project Description	Approved Funding	Project Leader/ Organization
Public Conservation Assistance Fund	0-94	Funding to provide opportunities for local conservation groups to participate in and contribute to qualifying fish and wildlife conservation projects in their communities.	\$150,000	Lynne Bonner Habitat Conservation Trust Foundation 250-940-9785
BC's Family Fishing Weekend 	0-229	Occurring in BC's fresh and salt waters, the annual Father's Day weekend event is designed to introduce youth and families to the outdoors and angling thereby increasing awareness, appreciation and understanding for marine and aquatic resources throughout the province of BC. These community events, coinciding with the licence free weekend, take place because of the participation, contributions and organization of local volunteers, various rod and gun clubs and local businesses. In 2014 attendance to the 51 community events was just over 14,500.	\$30,000	Owen Bird Family Fishing Society of BC 604-875-0104





Wetland Partnership Program 2015/2016	0-247	Ducks Unlimited Canada (DUC) will use HCTF funds to 1) restore wetland habitat at six locations for the benefit of waterfowl and other wildlife, and 2) conduct preliminary work in preparation for three high-priority restoration projects planned for construction immediately and in future years.	\$250,000	Brad Arner Ducks Unlimited Canada 250-374-8307
2015 Provincial Peregrine Falcon Monitoring Survey 	0-280	This project will conduct and assess results from Peregrine Falcon eyrie occupancy surveys around Haida Gwaii, Vancouver/Gulf Islands, Lower Mainland, and interior sites, to maintain long-term monitoring, enable conservation of breeding habitat, and justify harvest.	\$55,000	Myke Chutter Ministry of Environment 250-387-9797
Crown Land Securement Partner Program	0-339	The Crown Land Securement Partner Program will assist the Province to secure fish and wildlife habitat reserves and to complete the background and consultation work required to bring forward proposed Wildlife Management Area designation packages for up to 20 sites throughout BC over the next five years.	\$25,000	Chris Ritchie Ministry of Forests, Lands and Natural Resource Operations 250-565-7082
Vancouver Island Stream Enrichment- Application and Monitoring	0-343	Four Vancouver Island Steelhead rivers (Harris Creek; Chemainus, Tsitika & Nimpkish rivers) will continue to be nutrient enriched to offset low marine survival & bolster stock productivity. Recent monitoring has confirmed primary productivity increases & suggests adult escapement has improved in some systems. This project will treat a 2nd generation of juvenile fish & confirm escapements.	\$36,357	Shawn Stenhouse British Columbia Conservation Foundation (Lantzville) 250-716-8776
Angler Market Development Plan	0-353	In cooperation with the Ministry of Forests, Lands and Natural Resource Operations, municipalities, regional districts, BCWF clubs, and industry, the Freshwater Fisheries Society of BC will lead year 9 of the 10-year Angler Market Development Plan, which aims to increase freshwater fishing in BC by 30% over 2005/6 levels.	\$112,500	Stacy Webb Freshwater Fisheries Society of BC 250-414-4200
Fisher Habitat Conservation - Provincial Extension Program	0-365	This project will provide opportunities for training and the application of best management practices to a variety of forestry practitioners who make decisions that affect the supply of fisher habitat throughout British Columbia.	\$18,525	Richard Weir Ministry of Environment 250-356-8186
Preparing BC for White Nose Syndrome in Bats: Establishing Baseline Bat Hibernation Information	0-390	To prepare for the arrival of White Nose Syndrome (WNS), we will establish baseline information about bats in winter, filling critical knowledge gaps, and facilitating disease surveillance and possible mitigation/recovery. This project will identify bat species that overwinter in BC, locate hibernacula, and describe winter ecology of bats in BC.	\$40,700	Cori Lausen Wildlife Conservation Society Canada 250-353-7339




Young Naturalists Club of BC: Nature Clubs Project	0-398	YNC Nature Clubs Project builds the next generation of outdoor enthusiasts and lifelong environmental stewards through a strategy of youth engagement and action. In this cycle, 7500 youth ages 5-12 in 50 nature clubs across BC will learn about and step-up for nature with 1500 hands-on, outdoor nature adventures and stewardship projects.	\$20,000	Kristine Webber Young Naturalists' Club of BC Society 604-985-3057
White Sturgeon Questionnaire/Recreational Fishery Monitoring	0-406	This application is for the 5th (2015/2016) year of the 1st five year cycle for this project. The project will use information provided by White Sturgeon anglers and licensed non-tidal Angling Guides to report on White Sturgeon fishing effort and catch in the middle and lower Fraser River using methods recommended through the questionnaire update project.	\$35,025	Erin Stoddard Ministry of Forests, Lands and Natural Resource Operations 604-582-5374
Enhancing Angling Opportunities, Participation Rates and Licence Sales in the BC Small Lakes Rainbow Trout Fishery 	0-435	This program will determine the best management practices to increase fishing effort, participation and license sales in the BC small lakes fishery. This is being accomplished through a series of experimental changes in current management practices distributed across the Okanagan, Thompson, Cariboo, and Omineca Regions, with assessments of angler effort response and fishing quality assessments. This is a five year, large-scale adaptive management effort, coordinated across regions, which will result in the development of a scientifically sound strategic plan to optimize the BC small lakes fishery.	\$75,000	Adrian Clarke Freshwater Fisheries Society of BC 250-414-4200
BC/TNT Joint Conservation Land Management	0-451	This is year 3 of the 2013-16 Wildlife O+M application package: the first comprehensive, province-wide wildlife O+M application using the new, joint Ministry of Forests, Lands and Natural Resource Operations/Nature Trust approach. Funding provided by HCTF will assist with the operation and maintenance of approximately 115 significant wildlife habitat areas across British Columbia.	\$573,100	Karen Wipond Ministry of Forests, Lands and Natural Resource Operations 250-356-7669
Dock Placement to Enhance Youth and Family Sport Fisheries in Regions 3, 5, 7 & 8	0-454	Placing docks on BC interior lakes is designed to improve access to recreational sport fisheries, for new anglers, and to provide a location for educators to introduce angling programs to youth and their families. The overall goal is to increase angler participation in the BC interior lakes. In year 3, docks will be placed on Tunkwa (Kamloops), Ten Mile (Quesnel), Eena (Prince George) and Shannon lakes (West Kelowna).	\$50,050	Stephen Maricle Ministry of Forests, Lands and Natural Resource Operations 250-371-6253
Helping trappers ensure sustainable harvests of fishers and wolverines	0-460	This project aims to use landscape genetic analyses to identify functional population units for fishers and wolverines within BC. This information will be used to help trappers and wildlife managers better evaluate sustainable harvest levels for these wide-ranging, low-density species of conservation concern.	\$33,288	Richard Weir Ministry of Environment 250-356-8186




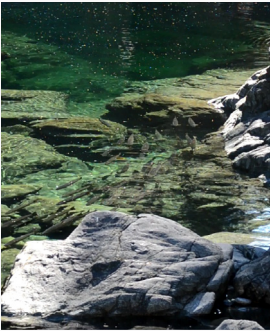
Wild/domestic sheep and goat separation	0-466	This grant will be used to fund a part time provincial project coordinator to deliver a multi-stakeholder, government, First Nations program to mitigate the risk of disease transmission from domestic sheep/goats to wild sheep using proven & novel site-specific mitigation methods, especially in high risk areas.	\$49,000	Helen Schwantje Ministry of Forests, Lands and Natural Resource Operations 250-953-4285
Grizzly Bear Coexistence Solutions 	0-467	Human-grizzly bear conflicts create very real and tangible threats for BC rural residents and recovering grizzly bear populations, especially in low elevation bear habitats that overlap with agricultural activities. This project promotes coexistence between grizzly bears and residents by providing education and outreach about attractant management, correctly installed and maintained electric fencing to reduce grizzly bear conflicts regarding crops and livestock, and safety education to hunters, bear viewers/photographers, and other recreationalists. Human/grizzly bear coexistence will be improved and tolerance for grizzly bears in low elevation linkage habitats will increase as conflicts are reduced.	\$19,000	Gillian Sanders British Columbia Conservation Foundation (Kamloops) 250-353-1137
Improving our understanding of Least Weasels in BC	0-473	This project aims to improve our knowledge about the status of least weasels in British Columbia and identify possible threats to the sustainability of their populations. This will be achieved through efforts to better refine the distribution of the species in BC, collecting basic population information, and helping managers ensure that their activities do not jeopardize the sustainability of least weasel populations in BC.	\$15,450	Larry R. Davis 250-398-7353
Got Bats? B.C. Community Outreach, Conservation and Citizen Science Project 	0-476	"Got Bats?" is a network of community bat projects across BC that promotes bat conservation through the detection and protection of bat roosts, education to counter negative attitudes towards bats, installation of bat-houses, and a province-wide Citizen Science bat count to detect declines due to White Nose Syndrome and other threats. The project is implemented by local established stewardship organizations with direct landowner contacts in each region. The network has increased to 13 partners from 10 in Year 1 of the project.	\$48,680	Katie Calon British Columbia Conservation Foundation (Surrey) 604-576-1433
Genetic delineation of Shiras moose: management implications for BC	0-478	Shiras moose (<i>Alces alces shirasi</i>) are the smallest subspecies and are thought to occupy portions of southern BC. DNA samples from moose throughout BC and western North America will be used to determine the genetic delineation of moose. This will assist in evaluating hunting seasons and harvest susceptibility.	\$7,600	Andrew Walker Ministry of Forests, Lands and Natural Resource Operations 250-490-8200
Provincial Fisheries O + M	0-485	The Provincial Fisheries O+M program provides funding for the operations and maintenance of fisheries infrastructure on Vancouver Island, in the Thompson-Nicola, Okanagan, Kootenays, Cariboo, and Peace.	\$303,389	Vicki Marshall Ministry of Forests, Lands and Natural Resource



				Operations 250-387-9788
Evaluating Harvest Management Strategies for Grizzly Bears in British Columbia	0-489	This research evaluates the short-term and long-term benefits, challenges, and trade-offs of harvest management strategies for grizzly bears in BC.	\$17,500	Amanda Schroeder Simon Fraser University 604-802-4244
Identifying barriers to gene flow among badger populations 	0-495	This project aims to use genetic information (from archived and new field samples) to identify barriers to gene flow among badger populations in British Columbia. This new knowledge will aid in conservation and population recovery of this endangered unit by helping conserve linkages to the larger Great Basin population (USA).	\$16,000	Richard Weir Ministry of Environment 250-356-8186
Middle Fraser white sturgeon movements based on fin ray chemistry	0-496	Movement patterns of white sturgeon in the middle Fraser River will be evaluated based on analysis of their fin ray chemistry; a method used successfully in similar applications (e.g. Fraser white sturgeon). The linear nature of the mid-Fraser, coupled with known variation in strontium isotope ratios should combine to ensure project success.	\$29,930	Steven McAdam Ministry of Environment 604-222-6760
Grizzly Bear Habitat Selection within the Threatened South Chilcotin Grizzly Bear Population Unit	0-503	Deploying satellite radio collars throughout the study area this project will determine the spatial extent of the area used by Grizzly Bears and which resources are selected for more than others over a period of time within the South Chilcotin GBPU. This is recognized as a fundamental knowledge gap with respect to the management of this threatened unit.	\$33,575	Francis Iredale Ministry of Forests, Lands and Natural Resource Operations 250-371-6241



Vancouver Island Projects



Project Name	Project #	Project Description	Approved Funding	Project Leader
Keogh River Steelhead Population Dynamics 	1-319	The Keogh River Research Facility has been in operation since 1977 to enumerate salmonid smolt output and steelhead adult return annually. It provides the only opportunity to calculate accurate smolt-to-adult survival which is a critical variable needed to understand recruitment dynamics and stock status of steelhead populations in BC. Periodically, it has and continues to support in situ research projects designed to increase our understanding of factors that impact the sustainability and management of freshwater and anadromous fish in BC.	\$117,400	Sue Pollard Ministry of Forests, Lands and Natural Resource Operations 250-387-3363
Conservation and Restoration of Priority Wildlife Habitat on Salt Spring Island	1-490	This project restores wetlands in Blackburn Lake Nature Reserve and Makaroff Nature Reserve, increases the size of protected areas and works with private landowners to support wetland restoration and enhancement on private properties.	\$25,000	Christine Torgrimson Salt Spring Island Conservancy 250-538-0318
Flow augmentation to increase steelhead production	1-509	The project will evaluate the benefits of flow augmentation to increase juvenile steelhead summer rearing habitat and smolt production as a restoration method for depressed steelhead populations.	\$38,285	Sue Pollard Ministry of Forests, Lands and Natural Resource Operations 250-387-3363
Georgia Depression Western Bluebird Reintroduction Project	1-538	This project will re-establish a breeding population of Western Bluebirds to their historic range in the Georgia Depression, contributing to building a self-sustaining regional population in the Salish Sea. Through extensive community engagement, it will enhance integrity and protection of endangered Garry Oak ecosystems and build a core of citizen scientists and stewards for long-term habitat conservation.	\$25,000	Jemma Green Garry Oak Ecosystems Recovery Team (GOERT) 250-383-3427
Gordon River - Loup Falls Bypass Channel Monitoring 	1-559	In the summer of 2014, the Loup Falls bypass channel on the Gordon River was physically modified through rock removal and repositioning as well as the use of geotextile fabric. The channel had lost functionality at low to moderate flows which resulted in a significant migration impediment to summer Steelhead. Construction work occurred in summer of 2014. Snorkel surveys were conducted above and below the obstruction pre construction and immediately before re-introduction of flow on September 18. This project is designed to properly monitor a full season of summer Steelhead migration in 2015 to assess the effectiveness of work completed in 2014.	\$15,922	Kevin Pellett British Columbia Conservation Foundation (Lantzville) 250-716-8776
Vancouver Island Small Lakes Fertilization Pilots	1-572	Two small lakes on Vancouver Island will continue to be enriched and monitored in 2015/16 using liquid nutrients to increase primary productivity (to promote fish growth). A third lake, scouted in the	\$20,825	Jeramy Damborg British Columbia Conservation Foundation




		<p>2014 will also be enriched for the first time, and stocked with triploid (3n) Kokanee. Background data collection for other lakes on VI will also continue to be completed during the program to determine their suitability for future enrichment in year 3 and beyond. Lakes will be stocked with an appropriate number of fish to produce "trophy" fisheries where none currently exist.</p>		<p>(Lantzville) 250-716-8776</p>
<p>Cowichan Lake Shoreline Stewardship - Fish and Wildlife Habitat Restoration Pilots</p>	<p>1-583</p>	<p>At a target of ten or more private and/or public lake shore properties, innovative bioengineering and habitat improvement techniques will be used to restore aquatic and riparian ecological productivity. Projects will engage resource professionals, volunteers, students, lake shore owners and the media in successful demonstrations of the value of naturalized shorelines, partnerships and enhanced stewardship practices.</p>	<p>\$25,000</p>	<p>Craig Wightman British Columbia Conservation Foundation (Lantzville) 250-390-2525</p>
<p>West Coast Roosevelt Elk Augmentation and Recovery Project</p> 	<p>1-599</p>	<p>The primary objective of this project is to re-establish viable Roosevelt Elk populations in wilderness areas of the West Coast Region while mitigating conflicts through translocation of elk from agricultural areas and along the highways of Vancouver Island, BC. Partnerships with community organizations, stakeholders, industry, and First Nations governments, translocations are key to facilitate recovery of this blue-listed species on Vancouver Island and are proven as instrumental on the mainland coast. Relocated herds will help improve ecosystem function and provide future opportunities for sustenance and recreational uses in new population units.</p>	<p>\$15,000</p>	<p>Billy Wilton Ministry of Forests, Lands and Natural Resource Operations 604-885-8944</p>
<p>Morrison Creek Fish Passage Improvements</p>	<p>1-608</p>	<p>This project will restore fish passage through two barriers in Morrison Creek, an important salmon stream and only home of the SARA listed Morrison Creek Lamprey. A series of rock riffles will be constructed to restore habitat connectivity for all species and life stages. Instream complexing and riparian planting will be part of the project.</p>	<p>\$39,415</p>	<p>Rupert Wong Current Environmental 250 871-1944</p>
<p>Western Toad Winter Habitat Requirements in Modified Landscapes on Vancouver Island</p>	<p>1-613</p>	<p>Western Toads will be radio-tracked to hibernation sites in a highly modified, human-dominated landscape on Vancouver Island to determine if toads select winter habitats that are limited in supply and under threat, producing guidance for winter habitat conservation practices applicable throughout BC.</p>	<p>\$24,362</p>	<p>Elke Wind E. Wind Consulting 250-716-1119</p>
<p>Lower Cowichan River - Scoping of Riparian Rehabilitation Program</p>	<p>1-623</p>	<p>Coordinating with CSRT (Cowichan Stewardship Roundtable) members and local expertise, BCCF will identify altered and impaired riparian habitats on the lower Cowichan River below Allenby Road. With the status of each bank's riparian condition identified, and landowner support/access for restoration clarified, BCCF will produce a multi-year riparian rehabilitation plan benefiting wild trout and salmon stocks to be used for funding applications to HCTF and other agencies.</p>	<p>\$4,989</p>	<p>James Craig British Columbia Conservation Foundation (Lantzville) 250-390-2525</p>




Lower Mainland Projects

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.	\$25,000	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.	\$69,665	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>	\$8,647	<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>	\$40,000	<p>Clayton Apps Aspen Wildlife Research Inc. 403-270-8663</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>	\$49,006	<p>Karl English LGL Environmental Research Associates 250-656-0127</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>	\$21,006	<p>Cliff Nietvelt Ministry of Forests, Lands and Natural Resource Operations 604-824-2310</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>	\$22,340	<p>Brett Van Poorten Ministry of Environment 604-222-6761</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>	\$26,470	<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.	\$10,000	Duane Jesson Ministry of Forests, Lands and Natural Resource Operations 604-586-3728
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.	\$5,000	Kenji Miyazaki Ministry of Forests, Lands and Natural Resource Operations 604-586-5652
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.	\$19,020	Steven McAdam Ministry of Environment 604-222-6760
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	<p>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.</p>	\$10,285	<p>Kendra Morgan Fraser Valley Conservancy 604-625-0066</p>
<p>Sturgeon Bank Restoration: Determining the Cause of Salt Marsh Retreat</p>	2-573	<p>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.</p>	\$37,500	<p>Brent Gurd Ministry of Forests, Lands and Natural Resource Operations 604-582-5397</p>
<p>Sunshine Coast Community Wildlife Habitat Stewards</p>	2-574	<p>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.</p>	\$19,940	<p>David Stiles Sunshine Coast Wildlife Project 604-886-1910</p>
<p>Lower Fraser White Sturgeon Spawning Habitat Confirmation Project</p>	2-576	<p>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.</p>	\$11,814	<p>Erin Stoddard Ministry of Forests, Lands and Natural Resource Operations 604-582-5374</p>
<p>Rainy River weir and fish ladder assessment</p>	2-580	<p>This project will assess the Rainy River weir and fish ladder to determine efficacy of upstream and downstream migration of salmonids.</p>	\$5,000	<p>Daniel Kriss 778-868-9264</p>
<p>Squamish River Bull Trout Distribution, Spawning Location and Angling Effort</p>	2-581	<p>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.</p>	\$5,000	<p>Jason Ladell Instream Fisheries Research Inc. 604-428-8819</p>
<p>BCIT Rivers Institute Summer Intern Program</p>	2-586	<p>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.</p>	\$10,000	<p>Robert Stevens BC Institute of Technology 604-432-8323</p>




Thompson/ Nicola Projects

Project Name	Project #	Project Description	Approved Funding	Project Leader
Interior Fraser Wild Steelhead Conservation	3-251	This project will continue long term monitoring of abundance, productivity and conservation status for four populations of wild steelhead from the Thompson and Chilcotin watersheds. The project will provide science based knowledge to enhance provincial and federal fisheries management planning, processes and decisions for conservation and responsible use. The project will provide data and knowledge to encourage better fishing practices and coordination of management between provincial and federal fisheries agencies and First Nations.	\$76,002	Robert Bison Ministry of Forests, Lands and Natural Resource Operations 250-371-6244
Wetlands Institute 2015 	3-272	The Wetlands Institute workshop provides hands-on training to individuals and groups committed to wetland stewardship projects across the province. Following the Institute, participants are offered ongoing support to successfully complete their projects.	\$36,916	Neil Fletcher BC Wildlife Federation 1-888-881-2293
Quality Waters Strategy - Thompson River Guardian Program	3-273	River guardians will patrol and survey during times of fishery closure and will patrol and survey the steelhead sport fishery in the event of an opening to assist with fishery management and compliance.	\$24,860	Robert G. Bison Ministry of Forests, Lands and Natural Resource Operations 250-371-6244
Thompson Shuswap Okanagan Instream Conservation Flows	3-297	This project will continue to: 1) develop instream flow needs for fish on priority streams and document water balance (natural instream flow vs. downstream of withdrawal flow). 2) measure key streams requiring follow-up measurements in low flow months to determine if instream flows recommended in prior projects are met, and 3) engage local expertise, local government and water licensees and update stream information used for water use decisions.	\$26,894	Christian StPierre Ministry of Forests, Lands and Natural Resource Operations 250-371-6236
Community-based amphibian monitoring program in multi-use landscapes in south-central B.C.	3-313	This project is a collaborative monitoring program among volunteer community members, landowners, and scientists to identify and monitor important wetland habitats for amphibians and mitigate threats. Volunteers are trained in monitoring methods, and stewardship activities are initiated to promote practices that facilitate conservation of amphibians in multi-use landscapes.	\$10,830	Kristiina Ovaska Biolinx Environmental Research Ltd. 250-727-9708
Moose Habitat Selection and Mortality Risk In Relation to Salvage	3-342	The Province faces a major management challenge in maintaining sustainable populations of moose in the Southern Interior given large-scale salvage logging of insect-killed timber. The Proponent and Lab students are engaged in a collaborative project	\$55,650	Dennis Jelinski University of Victoria 250-721-7968



Logging on the Bonaparte Plateau		with the Ministry of Forests, Lands and Natural Resource Operations to assess female moose habitat selection in landscapes heavily altered by timber salvage operations, and how forest cut-blocks and road infrastructure relates to their mortality risk. The outcome of this research will greatly enhance the Province's understanding of factors affecting sustainable moose populations in the Bonaparte Plateau and more broadly in the province.		
Meadow Creek Golf Course Wetlands Restoration	3-344	By restoring and creating wetlands along Dumois Cr., this project is improving water quality in the local area and will, over time, improve water quality and the ecosystem downstream in Logan Lake. Functioning wetlands also provide better habitat for wildlife. Educational links have been established with the Ecological Restoration Program at BCIT.	\$35,000	Jeff Carter District of Logan Lake 250-523-6225
Fisher Artificial Reproductive Den Box Study 	3-345	This project will determine if artificial den boxes will be used by reproductive fishers (or other wildlife), the extent to which these devices will mitigate losses of natural denning habitat, and address the need for a science based mitigation technique to deal with the loss of fisher denning habitat that is occurring over a large portion of fisher range in BC.	\$50,900	Larry R. Davis 250-398-7353
Assessment of Sustainable Fishing Rates for Nicola Lake Burbot to Evaluate Sports-fishing Opportunities	3-347	Historically, Nicola Lake burbot provided a popular and unique fishery, but in the early 1990s, the Fish and Wildlife Branch closed the sports fishery due to concerns of overexploitation; no harvest analysis or assessment of the burbot population was done at the time. Partnering with First nations, we propose to estimate the sustainable fishing rate (Fopt) for the Nicola Lake burbot stock using the observed population age structure and the biology and vulnerability of the fish. We would then compare the estimated Fopt to the current fishing rates (F) for an existing First Nations food fishery by tagging fish and creeling the fishery to recover tags and evaluate additional sport-fishing opportunities.	\$47,460	Andy Morris Ministry of Forests, Lands and Natural Resource Operations 250-371-6325
Thompson Burn Program	3-358	The intent of this project will be to reintroduce fire into the low-mid elevation dry forest and grassland ecosystems to restore and improve forage nutrition and availability, primarily for mule deer and bighorn sheep.	\$91,700	Gerad Hales Ministry of Forests, Lands and Natural Resource Operations 250-371-4457
Stock Density Reduction Project - Thompson Region	3-361	This project involves the assessment of 20 candidate lakes which have high recruitment rates of naturalized rainbow trout. The assessments will determine if conditions are appropriate for the	\$34,970	Andrew Klassen Ministry of Forests, Lands and Natural Resource




		construction of recruitment barriers. The end goal of the initiative is to reduce trout recruitment rates to a level that will allow the trout size and condition to increase, creating attractive angling opportunities.		Operations 250-371-6237
Potential Declines in Aquatic Invertebrate and Chara within Interior Lakes	3-367	This project involves an assessment of the past and current state of Chara beds and aquatic invertebrates within interior small lakes. Observations consistently report significant declines in most of the major invertebrate groups (caddisfly, mayfly, damselfly, chironomid) that have always been consistent in past decades.	\$5,000	Brian Heise Thompson Rivers University 250-371-5530
Thompson Region Bighorn Sheep Collaring Project 	3-369	This project will collar 33 bighorn sheep rams from different herds in the Thompson region to better quantify connectivity of Thompson bighorn sheep herds, as well as clarify core home range use, summer and winter range migration timing and movement rates and ram foray patterns. The project will also develop a herd health baseline dataset from biological samples from individuals in each herd.	\$68,000	Gerad Hales Ministry of Forests, Lands and Natural Resource Operations 250-371-4457





Project 3-342 will enhance the Province's understanding of factors affecting sustainable moose populations in the Bonaparte Plateau and throughout BC.



Kootenay Projects

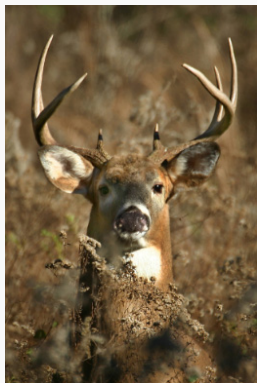
Project Name	Project #	Project Description	Approved Funding	Project Leader
Gerrard Rainbow Trout Critical Monitoring	4-248	This project monitors the conservation status of Gerrard rainbow trout by estimating escapement through spawner counts, protecting spawners, estimating harvests of these fish in the Kootenay Lake sport fishery, and monitoring critical spawning habitat parameters.	\$34,000	Matt Neufeld Ministry of Forests, Lands and Natural Resource 250 354 6353
East Kootenay Grassland Ecosystem Restoration	4-299	Conduct Ecological Restoration planning, on the ground treatments, and pre and post treatment monitoring activities for priority fire maintained ecosystems to restore and conserve habitats and the wildlife dependent on these areas.	\$189,000	Allana Oestreich Ministry of Forests, Lands and Natural Resource Operations 250-489-8540
Kootenay Conservation Program (KCP) 	4-345	The Kootenay Conservation Program will expand the scope and regional impact of our operations, focusing our efforts on securement and stewardship of high value conservation lands coupled with building the capacity of our 70+ partner organizations. We will implement our new Kootenay Conservation Stewardship Strategy including producing a region-wide annual Stewardship Report and Stewardship Map which will identify key gaps and opportunities. We will also continue to build the capacity of our partner organizations through new initiatives such as a Professional Development Bursary Program, Network Mapping Initiative, Conservation Webinar Series and Capacity Re-grant Program.	\$30,000	Dave Hillary The Nature Trust of British Columbia 250 688-1508
South Rockies Grizzly Bear Inventory	4-410	Monitoring grizzly bear populations in the management units 4-01, 4-02 and 4-23. High human-caused mortality of grizzly bears paired with substantial resource extraction in this area necessitates accurate population monitoring. Analysis will focus on identifying factors that are limiting grizzly bear populations and landscape features that directly influence bear abundance and movements.	\$10,000	Garth Mowat Ministry of Forests, Lands and Natural Resource Operations 250-354-6142
Kootenay Region River Guardian Program	4-444	This project supports River Guardian presence in seven Kootenay Region classified watersheds to measure and protect the quality of angling in these systems. River Guardians will provide a compliance presence, educate public, anglers and other stakeholders, and collect angler survey data and biological/inventory data.	\$84,500	Kevin Heidt Ministry of Forests, Lands and Natural Resource Operations 250-489-8556
Boundary Restoration and Enhancement Program	4-461	This project will improve habitat quality, resiliency and forage availability for ungulates and other native species by restoring or enhancing degraded habitats in low elevation ecosystems of the Boundary. This	\$100,834	Lisa Tedesco Ministry of Forests, Lands and Natural Resource



		project will build community stewardship and technical capacity through the use of partnerships.		Operations 250-354-6352
<p>Kootenay Lake Bull Trout Productivity and Capacity for Defining Management Reference Points</p> 	4-465	This project will provide informative quantitative data on stock dynamics to assist with managing the bull trout fishery on Kootenay Lake. Defining the productivity, capacity and compensatory ability of this stock will assist in better understanding the rearing environment and the impact of the recreational fishing on this important blue listed species	\$51,360	Greg Andrusak Redfish Consulting Ltd. 250-825-2729
<p>Determination of Gerrard Rainbow Trout Parr Productivity and Capacity; Required for Defining Management Reference Points</p>	4-478	This project will provide informative, quantitative data on stock dynamics to assist with managing the "trophy" Gerrard rainbow trout fishery on Kootenay Lake. Defining the reproductive performance and capacity of this stock will assist in better understanding the rearing environment and the impact of the recreational fishery on this unique ecotype	\$31,600	Greg Andrusak Redfish Consulting Ltd. 250-825-2729
<p>Columbia River Northern Pike removal – Risk and feasibility of control</p> 	4-493	This project will assess the potential impacts of invasive Northern pike (NP) populations in the Columbia and Pend d'Oreille Rivers, and determine the feasibility of a long term control program. The spread of NP into these rivers likely pose significant risks to native species, important sport fisheries, local ecosystems and Species at Risk recovery work. This collaborative project focuses on determining the spawning behaviour, recruitment, feeding and movements of NP in the Columbia and Pend d'Oreille River sections within BC, including an assessment of the risk of movement and colonization into the Arrow Lakes.	\$38,019	Brian Heise Thompson Rivers University 250-371-5530
<p>Kootenay Mule Deer Survival Monitoring</p>	4-510	This project will monitor mule deer doe survival and cause of mortality in 4 Kootenay populations. This information is needed to identify factors contributing to population declines and will support management actions to increase mule deer abundance.	\$68,150	Patrick Stent Ministry of Forests, Lands and Natural Resource Operations 250-489-8578
<p>Feasibility of large lake/reservoir nutrient addition to restore and enhance recreational fishery on Whatshan Reservoir</p>	4-516	This project is designed to provide background information on the current state of the recreational fishery on Whatshan Reservoir (1691 ha). Following the collection of background information, potential partnerships going forward include; FFBC, Ministry of Forests, Lands and Natural Resource Operations, BC Hydro and FWCP. These potential partners have expressed their interest in exploring options of nutrient addition to enhance and restore the fish populations and improve the recreational fishery on this reservoir.	\$37,844	Greg Andrusak Redfish Consulting Ltd. 250-825-2729



East Kootenay Mountain Goat Population Assessment	4-517	Most mountain goat populations have not been inventoried in the East Kootenay for at least 8 years (15 years in some areas). Surveys in 2013 and Year 1 of this project (2014) found that 69% of populations have declined, with most of declines >30%. We propose to expand the inventory to verify and further determine the extent and magnitude of these declines. Up-to-date inventory data would ensure that hunting opportunities are not reduced unnecessarily.	\$87,000	Irene E. Teske Ministry of Forests, Lands and Natural Resource Operations 250-489-8551
Predicting grizzly bear food – Huckleberries, and trend monitoring	4-523	This project will spatially identify and predict the most important food source for grizzly bears in the West Kootenays - huckleberries - and radio collar females for trend monitoring 2 threatened populations. Our results will inform future food resource supply management and conservation decisions.	\$39,270	Michael Proctor Birchdale Ecological Ltd. 250-353-7339
Elk Valley Rocky Mountain Bighorn Sheep Inventory	4-526	This project will update population estimates for Rocky Mountain bighorn sheep along the East and West side of the Elk Valley. To reduce costs, we will conduct flights cooperatively with Teck Coal wildlife flights on the East side of Elk Valley. HCTF funding will be used to complete the inventory along east side outside of Teck survey area and inventory the entire west side.	\$12,200	Irene E. Teske Ministry of Environment 250-489-8551
Columbia River Water Quality Objectives Monitoring Program Update	4-527	The Columbia River Integrated Monitoring Program (CRIEMP) will be updating the Water Quality Objectives monitoring program between Hugh Keenleyside dam and the international boundary to improve the current understanding of water quality in the Lower Columbia.	Under Review	Barb Waters British Columbia Conservation Foundation (Kamloops) 250-828-2551
Reinforcing spring migratory behaviour of bighorn sheep at Radium Hot Springs	4-532	This project will develop a management strategy which discusses and recommends methods for encouraging bighorn sheep migration in the spring (i.e. using border collies) and implement a trial project during spring 2015.	\$10,000	Mark Read Village of Radium Hot Springs 250-347-6455
West Kootenay Mule Deer Habitat Restoration	4-535	This project will identify important mule deer habitats in the West Kootenay and plan ecosystem restoration activities to improve quality of habitat.	\$24,750	Patrick Stent Ministry of Forests, Lands and Natural Resource Operations 250-489-8578



Cariboo Projects

Project Name	Project #	Project Description	Approved Funding	Project Leader
Mid-Fraser River White Sturgeon Radio Telemetry Program	5-196	This project will fill key knowledge gaps regarding sturgeon habitat use and behaviour in the mid-Fraser River. Specifically, it will identify spawning locations and improve understanding of stock structure in northern sections of the mid-Fraser (i.e., rkm 479 – 700). This builds upon recently completed HCTF project 5-196.	\$28,144	Lee Williston Ministry of Forests, Lands and Natural Resource Operations 250 398-4696
Quality Waters Strategy: Dean River Guardian Program	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.	\$84,101	Lee Williston Ministry of Forests, Lands and Natural Resource Operations 250 398-4696
Quesnel Lake Exploitation Study	5-271	This is year three of a five year study to estimate the proportion of large rainbow trout, bull trout and lake trout caught in Quesnel Lake. Project results will provide management with science based data for revising regulations and harvest quotas for each species which may result in increased angler use on Quesnel Lake.	\$88,613	Lee Williston Ministry of Forests, Lands and Natural Resource Operations 250 398-4696
High Lake grassland and open forest restoration pilot	5-284	This two year project will remove tree encroachment from grasslands and tree ingrowth from open Douglas-fir stands within mule deer range in Churn Creek Protected Area. It will evaluate and demonstrate a model for treating more extensive areas within the protected area.	\$26,000	Ordell Steen Friends of Churn Creek Protected Area Society 250-398-5017



A buoy marks the location of an acoustic receiver in Quesnel Lake as part of project 5-271, Quesnel Lake Exploitation Study.




Skeena Projects

Project Name	Project #	Project Description	Approved Funding	Project Leader
Skeena Weirs and Steelhead Stock Assessment	6-97	This project will provide wild Skeena Watershed steelhead abundance data at three index sites: the upper Sustut River weir, the Kitwanga River Didson sonar and the Kloiya River resistivity counter to enumerate an upper Skeena, early run-timing, a mid-Skeena summer and a coastal winter run steelhead population, respectively.	\$67,000	Mark Beere Ministry of Forests, Lands and Natural Resource Operations 250-847-7297
Skeena River Guardian Project	6-213	The Skeena River Guardian Project will monitor recent angling regulation changes on Classified Waters including the Bulkley, Kispiox, Skeena and Zymoetz rivers. This information will allow MFLNRO to assess whether they are working as intended.	\$172,042	Paddy Hirshfield Ministry of Forests, Lands and Natural Resource Operations 250-387-3978
Restoring Whitebark Pine Ecosystems to Enhance Subalpine Grizzly Bear Habitat 	6-227	This is the 5th year of a project to restore endangered whitebark pine ecosystems with high habitat potential for grizzly and black bears. We have collected seeds from apparently disease-resistant whitebark pines and are growing nursery seedlings. We will monitor and maintain 10 existing restoration sites and continue outreach activities.	\$5,000	Sybillie Haeussler Bulkley Valley Centre for Natural Resources Research & Management 250-847-2728
Juvenile Sooty Grouse Dispersal and Winter Survival on Haida Gwaii 	6-235	On Haida Gwaii, the number of Sooty Grouse appears to have declined dramatically over the past 100 years. This project assesses juvenile recruitment and nest success. The effects of forest conversion, fragmentation or hunter harvest on juvenile recruitment and nest success are examined.	\$51,500	Frank Doyle Wildlife Dynamics Consulting 250-847-3252
Population structure and migration of lake char in Yukon River headwaters	6-242	A receiver grid will be installed in Atlin Lake and 40 lake char will receive acoustic tags as a component of a tagging and genetic stock ID project directed by Environment Yukon on Atlin, Tagish, Bennett and Marsh lakes,. This will clarify lake char migrations between waters so that harvest estimates can be assigned to design regulations for sustainable fisheries.	\$5,500	Joe De Gisi Ministry of Forests, Lands and Natural Resource Operations 250-847-7288
Skeena hunter moose observation app.	6-247	Citizen science will be used to increase the knowledge of moose populations in the sparsely populated and irregularly surveyed north western portion of the province. We will produce a mobile and internet based app that would be used by hunters to record their observations of moose while hunting.	\$21,500	Conrad Thiessen Ministry of Forests, Lands and Natural Resource Operations 250-847-7299



Peace/ Omineca Projects


Project Name	Project #	Project Description	Approved Funding	Project Leader
Peace-Liard Burn Program 	7-12	The Peace-Liard Burn Program maintains and enhances early seral habitats to support critical winter range for multiple ungulate species, by improving forage nutritional quality and quantity of winter range habitats in northeastern British Columbia. By maintaining these habitats, the projects ensures the long-term sustainability of ungulate populations and supports hunting opportunities across the region.	\$117,500	Alicia Woods Ministry of Forests, Lands and Natural Resource Operations 250-787-3369
Nechako River Bull Trout Distribution Evaluations	7-386	Application of radio tags on bull trout at priority Upper Fraser spawning tributaries to determine the proportional contribution and source of bull trout overwintering in the Nechako River to evaluate the risk and opportunities and management scenarios for a bull trout fishery in the Nechako River.	\$74,300	Ray Pillipow Ministry of Forests, Lands and Natural Resource Operations 250-565-6135
Efficacy of UWRs and survey optimization for bighorn sheep in MU 7-19	7-400	Seasonal range delineation and modification of current UWR's to provide secure winter habitat for the most northerly herd of bighorn sheep in North America. This project will include a joint BC/AB population monitoring survey and calculation of a sightability correction factor that can be applied to other northern bighorn sheep populations.	\$17,800	Daniel Lirette Ministry of Forests, Lands and Natural Resource Operations 250-398-4258
Marten population responses to accelerated salvage logging in MPB stands in central BC.	7-412	We are investigating the response of American marten (<i>Martes americana</i>) populations to habitat changes associated with accelerated logging operations. We are using marked individuals to measure spatial dynamics and habitat use at a finer scale and occupancy modeling using non-invasive techniques at a broader scale.	\$14,500	Shannon Crowley John Prince Research Forest 778-978-0117
5-Year Peace Region Mountain Goat Population Assessment	7-415	Goat harvest is being managed conservatively in the Peace Region due to a lack of baseline population data, resulting in minimal harvest opportunities. This 5-year assessment will determine population estimates and define Population Management Units (PMU) for mountain goats, so that a sustainable harvest rate can be applied for each PMU, resulting in increased hunting opportunities in the Peace Region.	\$85,500	Alicia Woods Ministry of Forests, Lands and Natural Resource Operations 250-787-3369
Enhanced Monitoring of the Moberly Lake Trout Rehabilitation Program	7-416	This project will continue the 5 year Enhanced Monitoring Program on Moberly Lake to rigorously evaluate the effectiveness of the lake trout recovery efforts and the response of the larger fish community. A mark-recapture netting program will be used to monitor the abundance of remnant lake trout. The survival and condition of stocked cohorts will be evaluated using a standardized index-netting program. Shifts in the abundance and/or	\$17,500	Lynn Avis Ministry of Forests, Lands and Natural Resource Operations 250-261-2096



		demographics of the lake whitefish population will be tracked using a hydroacoustic survey combined with gillnetting and trawling validation.		
Prescribed burns to enhance ungulate habitat in the Ospika area.	7-417	Year 3 of a 5-year prescribed burning program used to enhance ungulate habitat in selected Resource Management Zones within the Williston regional area of north-central BC.	\$123,198	Jordy McAuley Finlay River Outfitters Ltd. 250-483-3857
Defining nutritional value of summer habitats for caribou.	7-424	This is a 3-year project to define nutritional value of caribou food supplies in summer and fall. We will use tame caribou as an innovative and quantitative tool to assess the nutritional value of vegetation communities used by northern mountain and boreal caribou.	\$50,862	Katherine L. Parker University of Northern British Columbia 250-960-5812
Arctic grayling – life history patterns and demographics in the Muskwa River watershed.	7-431	Migration behaviour between juvenile and adult rearing and overwintering areas for Arctic grayling will be investigated in the Muskwa River watershed using otolith microchemistry. Genetic and whole fish samples will also be collected to support subsequent investigations into lineage and population structure.	\$86,500	Michael Stamford Stamford Environmental 604-886-4752
Management of incidental fisher harvest: fisher exclusion plate trial	7-433	Fisher (<i>Pekania pennanti</i>) harvest is often incidental via marten (<i>Martes americana</i>) fur trapping in British Columbia. Fisher are a conservation concern for the government of BC and a Class 2 furbearer, thus by-catch could lead to local overharvesting. This project employs local trappers, remote camera technology and a novel method, the fisher exclusion plate, to reduce the incidental trapping of fishers, while maintaining a healthy marten fur harvest.	\$32,500	Ingebjorg Jean Hansen 250-467-3282



Okanagan Projects

Project Name	Project #	Project Description	Approved Funding	Project Leader
Promoting Voluntary Habitat Stewardship in the Okanagan Basin	8-90	This project continues to build on the success of the past twenty years of stewardship in the Okanagan and Similkameen valleys, supporting land stewardship, conservation and enhancement activities on private land and within communities throughout the RDOS, RDCO and RDNO.	\$55,000	Alyson Skinner Okanagan Similkameen Stewardship Society 250-492-0173
Mission Creek Restoration Initiative (MCRI)	8-320	To facilitate a multi-year, multi-stakeholder undertaking (MCRI) to address the declining kokanee populations and habitat degradation concerns in Mission Creek. Activities contained within this project will help recover Okanagan Lake kokanee stocks and improve the quality and economic value of the recreational fishery.	\$23,278	Tara White Ministry of Forests, Lands and Natural Resource Operations 250-490-2287
Angling Quality on the W. Kettle, Kettle and Granby river systems; through regulation change	8-324	Regulation changes have been proposed on the W. Kettle, Kettle and Granby rivers for the FY2015-17 synopsis. Continuation of the long-term enumeration at key index sites is crucial to monitor stock trends over time and evaluate the effects of management changes on these systems. This proposal is to monitor the rainbow trout stock status, and determine if regulations changes (catch& release and an in-season closure) will be effective to maintain a sustainable quality fishery.	\$21,676	Tara White Ministry of Forests, Lands and Natural Resource Operations 250-490-2287
South Okanagan Similkameen Conservation Program (SOSCP) Habitat Conservation Delivery	8-349	Establishing fish and wildlife habitat conservation and protection measures through a collaborative partnership model. Focus is on implementation of the Regional Biodiversity Conservation Strategy, local and regional government environmental planning initiatives and leveraging of resources within the South Okanagan-Similkameen Region.	\$30,000	Bryn White Regional District of Okanagan Similkameen (on behalf of SOSCP) 250-490-8225
Middle Vernon Creek Action Plan	8-366	Ensure sustainability of Canada's top kokanee fishery, Wood Lake, by securing a consistent water supply for the primary spawning tributary, Middle Vernon Creek.	\$69,387	Hillary Ward Ministry of Forests, Lands and Natural Resource Operations 250-490-8267
Penticton Creek Restoration Initiative  <small>Photo: Deborah Pfeiffer</small>	8-379	This project is focused on restoring kokanee and rainbow trout habitat in Penticton Creek, with the aim of increasing fish production and recreational fishery contributions to Okanagan Lake, as well as enhancing economic and natural values for the local community.	\$92,500	Audrey Tanguay City of Penticton 250-490-2572



Epidemiology and adaptive management of psoroptic mange in Ashnola/Similkameen bighorn sheep	8-392	This HCTF project will implement recommendations made by the Canadian Cooperative Wildlife Health Centre and BC Wildlife Health Program, to support evidence-based active management of psoroptic mange and herd dynamics in Ashnola/Similkameen bighorn sheep.	\$51,820	Pamela Hengeveld Synergy Applied Ecology 250-997-3496
Shuttleworth Creek Diversion Removal and Well Implementation Project 2	8-393	By transferring a Water Users' Community (WUC) from surface water to groundwater and removing their current intake and diversion, fish flows will be restored to Shuttleworth Creek, allowing 28km of fish passage and habitat enhancement, while promoting water conservation in the Okanagan.	\$55,581	Kari Alex Okanagan Nation Alliance 250-490-9779
Kettle-Granby Grizzly Bear Population Inventory	8-401	This project aims to provide a population estimate for grizzly bears in the Kettle-Granby Grizzly Bear Population Unit (K-G GBPU) using DNA-based mark-recapture techniques. The K-G GBPU estimate has not been updated in 17 years, during which time the population is thought to have increased. In addition to the population estimate, these data can be used to answer additional ecological questions relating to the distribution and connectivity of this population.	\$75,000	Aaron Reid Ministry of Environment 250-354-6288

