



APPROVED PROJECT LIST

2012-2013

Media Alert: Members of the media are encouraged to contact proponents directly. Project proponents have detailed knowledge of the project benefits, and may be able to arrange site tours, and often have high quality images available. Click on the index below to move to a specific region.

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Multi Region Projects

Project Name	Project Description	Approved Funding	Project Leader
Wild BC	Management of a family of environmental education programs and resource materials.	\$231,809	Kerrie Mortin 250-940-9787
Public Conservation Assistance Fund	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 250-940-9785
B.C.'s Family Fishing Weekend	Now occurring in fresh and salt waters, the annual Father's Day weekend (including the third Sunday in June) is designed to (re) 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.	\$30,000	Owen Bird 604-875-0104
BC Wetland Partnership Program	Operate, maintain and manage existing wetland and associated upland habitat for fish and wildlife on Ducks Unlimited projects throughout BC, and work to secure and restore additional wetland habitats	\$250,000	Brad Arner 250-374-8307

	benefiting fish and wildlife.		
Crown Land Securement Project	The Crown Land Securement Partner Program will assist the Ministry of Forest, Lands and Natural Resource Operations with the designation of up to 16 new Wildlife Management Areas throughout BC to protect over 15,000 ha of critical fish and wildlife habitat over the next three years.	\$35,000	Tim Clermont 604-924-9771
Vancouver Island Stream Enrichment-Application and Monitoring	Improvement of freshwater productivity in selected watersheds with the addition of organic and inorganic fertilizers to increase the growth and survival of stream rearing salmonids.	\$36,527	Kevin Pellett 250-716-8776
Angler Market Development Plan	FFSBC will lead year six of the ten year Angler Market Development Plan by continuing to implement and measure the fishing licence renewal and compliance campaigns as well as angler research with a focus on E-Licensing. The purpose is to increase angling licence sales by 30% by 2017.	\$150,000	Don Peterson 250-414-4200
Prioritized Bullfrog Management to Optimize Cost-Benefits to Native Species Conservation	This project implements prioritized management actions for the invasive bullfrogs. The project will focus management actions in areas where the probability of prevention and eradication is highest and where the potential ecological impact of bullfrogs is greatest.	\$16,875	Purnima Govindarajulu 250-387-9755
BC Hinterlands Who's Where: The Key to Completing the BC Breeding Bird Atlas	This project will strengthen the conservation impact of the BC Breeding Bird Atlas, through developing innovative new partnerships with back-country user groups in BC's hinterlands to fill priority knowledge gaps, and supporting hundreds of British Columbians in fun but responsible activities that directly inform habitat and resource management.	\$34,500	Peter Davidson 604-940-4696
Monitoring & Restoring Degraded Habitat for Coexisting Species	Rehabilitate degraded habitat for improved survivorship of Western Painted Turtles at priority sites imminently threatened by extirpation. To be accomplished through reducing mortality, restoring habitat quality and quantity; improving recruitment (nesting success/hatchling survival); threat abatement and recovery of associated native species and supporting ecosystems.	\$10,000	Kym Welstead 604-582-5279
Biodiversity Plans Lead to Action on BC Farms & Ranches	This multi-year project enables development of Biodiversity Plans on BC farms and ranches. It will also help fund the implementation of Beneficial Management Practices (BMP) identified through approved Biodiversity Plans to benefit biodiversity, including games species.	\$40,000	Heather Carriere (604) 854-4483
Identifying and securing hibernation habitat for bats in response to risk of White Nose Syndrome	This project will identify the species of bats overwintering in southern B.C., establish a "normal baseline" for winter bat activity, and identify winter bat habitats (hibernacula). Additionally it will enable potential prevention/mitigation strategies, habitat security for bats in winter (e.g. gating mines, posting educational signs), and surveillance for signs of this devastating disease.	\$35,400	Cori Lausen 250-353-7339

Understanding the Current State of Angler Satisfaction & Motivation & the Limitations for Participation in Freshwater Angling in British Columbia	Year 1 of the project was conducted in the Okanagan Region and provided a baseline to conduct the Provincial angler survey (E-licence). In year 2 we will complete the Provincial survey to provide information that will allow managers to suggest the right combination of fishing opportunities and policy choices for the BC freshwater fishery.	\$26,500	Andrew Wilson 250-387-9788
Young Naturalists' Club of BC: Nature Clubs Project	Through a growing network of over 50 volunteer-led nature clubs in communities and schools across BC, this project engages children and their families in hands-on, outdoor, and transformational experiences that spark wonder and a lifelong interest in the natural world.	\$10,000	Kristine Webber 604.985.3057
Grizzly Bear Population Abundance, Distribution & Connectivity Across the Southern Coast Ranges: Completion & Extension	Analyze hair-snag samples and resulting databases derived from 6 years of field sampling. Outputs will address (1) population abundance, (2) spatial patterns of density & distribution, (3) population connectivity & fragmentation, and (4) variation in trophic-level diet. Conservation implications, planning tools, & applications will be extended to managers, researchers & public.	\$27,800	Clayton Apps 403-270-8663
White Sturgeon Recreational Angling Effort & Catch in the Lower & Middle Fraser River	This second year of the project will use information provided by White Sturgeon recreational anglers and Licensed Angling Guides to report on white sturgeon fishing effort and catch data in the Middle and Lower Fraser River of British Columbia.	\$13,000	Duane Jesson 604-582-5303
Determining Designatable Units of Conservation for the Western Painted Turtle	Coastal populations of Western Painted Turtles are listed as Endangered and interior populations as Special Concern. However, the genetics of these populations, and the relatedness and origin of coastal populations is unclear, and is hindering recovery planning. Our project addresses this knowledge gap.	\$31,000	Purnima Govindarajulu 250-387-9755
Habitat Use and Migrations of Mule Deer Bucks in the Fraser River Basin of the Southern Interior of BC	This project will provide crucial management information for mule deer in BC. Specifically, we will 1) examine fine-scale habitat use of mule deer bucks during the rut to understand potential survey bias and 2) determine seasonal habitat use and migration patterns to develop appropriate harvest management strategies and refine modelled winter ranges	\$33,080	Chris Procter 250-371-6250
Bull Trout Data Synthesis	This year builds on year 1 accomplishments by incorporating a provincial synthesis of bull trout abundance trends and threats.	\$45,500	Sue Pollard 250-387-3363
Landscape use by rattlesnakes, and impacts of human development	This short-term project serves two purposes: it will enable the completion of a detailed analysis of rattlesnake habitat selection and, at the same time, provide for final data collection and analysis on a smaller but still significant project examining the impact of development on rattlesnake populations.	\$8,000	Karl W. Larsen 250-828-5456
Western Screech-Owl: Conservation of Riparian Habitats	Identify sites for conservation and management (through FRPA and strategic landowner partnerships) for the CDC red-listed Western Screech-Owl	\$20,000	Jared Hobbs 250-356-8682

- Fraser River	(<i>Megascops kennicottii macfarlanei</i>) within selected suitable riparian habitats where they occur within xeric areas of the Fraser and Chilcotin River valleys.		
Enhancing Angling Opportunities, Participation Rates and Licence Sales in the BC Small Lakes Rainbow Trout Fishery	This program will determine the best management practices to increase fishing effort, participation and licence sales in the BC small lakes fishery. This will be accomplished through a series of experimental changes in current management practices distributed across the Okanagan, Thompson and Prince George regions, with assessments of angler effort response and fishing quality assessment. This is a 5-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	Paul Askey 250-490-8267
Ian McTaggart-Cowan Historical Field Records	The compilation of historical field records of eminent scientist, Ian McTaggart-Cowan with reference to his personal collections of field journals, letters and images. This important collection will be made available to the public.	\$10,000	Rod S. Silver 250-381-1008
Citizen science program implementation by BC Frogwatch: Online data entry and viewing interface	This project will complete the development of the BC Frogwatch site for citizen scientists to submit and view monitoring and incidental observation data of amphibians, reptiles and turtles in BC.	\$14,800	Purnima Govindarajulu 250-387-9755

Vancouver Island Projects

Project Name	Project Description	Approved Funding	Project Leader
Vancouver Island Conservation Land Management Program	Develop and implement securement, management, and enhancement plans for over 60 Vancouver Island Conservation Areas that protect rare and endangered ecosystems and the species that rely upon them. 2012-13 will focus on the completion of 3 management plans, 4 habitat restoration plans and the implementation of an effectiveness monitoring strategy for the VICLMP.	\$30,000	Ron Diederichs 250-751-3223
Operations and Maintenance: (Fish) Vancouver Island	Operation and maintenance of aerators located in Glen and Langford Lakes, flow augmentation in Sandhill Creek and inspection and maintenance of fishways located in Loup and Colquitz Creeks.	\$21,750	Mike Stalberg 250-751-3109
Operations and Maintenance: (Wild) Vancouver Island	This project assists MOE in meeting their safety, legal and land management obligations on more than 60 Conservation Areas on Vancouver Island. This work includes: signage, trail maintenance, restoration projects, invasive vegetation control, water control structures, weirs, dykes.	\$41,000	Thomas Reid 250-751-3218

Keogh River Steelhead Population Dynamics	Monitor smolt emigration and adult return of Steelhead in the Keogh River to evaluate success of habitat restoration and other conservation strategies for endangered Steelhead stocks, and to provide guidance on recreational fishery openings.	\$100,000	Tom Johnston 604-222-6754
Cowichan Lake Fish & Fishery Assessments & Operational Plan	This project will result in stock and fishery information and the production of an operational management plan which will conserve wild stocks, provide sustainable recreational angling opportunities, and increase angler participation at Cowichan Lake.	\$13,159	Tracy Michalski 250-751-3154
Vancouver Island Urban Lake Fishery Development/ Improvement Program	This multi-year program aims to increase angler participation on small urban lakes on Vancouver Island by identifying and implementing lake access or infrastructure projects that will create or enhance fishing opportunities on small urban lakes. Year 2 of 3 will focus on implementing projects at Kemp, Mayo, Chemainus, Quennell, and Spider lakes.	\$44,631	Scott Silvestri 250-751-3128
Wildlife Habitat Conservation Projects on Salt Spring Island	The final year of the project will focus on completing the protection of two key privately held properties: "Mt. Tuam summit" and "Musgrave Landing", totalling 173 ha. Both properties have particularly high ecosystem and wildlife habitat values on Salt Spring Island and both have a high likelihood of successful completion based on the extensive work completed in years 1 and 2.	\$25,000	Robin Annschild 250-538-0318
Conserving Amphibian Populations & Connecting Habitats Across Roads	This project is testing the effectiveness of a road underpass system and guiding barrier fences for five species of coastal amphibians. The system was designed and installed near a breeding "hotspot" for Red-legged Frogs on Vancouver Island. The effect of highway traffic on the survival rates and population dynamics of Red-legged Frogs will be assessed.	\$18,500	Barbara Beasley 250-726-2536
Englishman and Little Qualicum Estuary Restoration Pilots	(1)Prototype LWD installation methods will be developed to minimize construction impacts on fragile estuary ecosystems; (2)Inter-tidal channels, ponds and benches will be "complexed" with anchored large woody debris (LWD) structures; (3) Riparian vegetation and sedge communities will be re-established and protected from grazing by over-abundant resident Canada geese.	\$45,000	Craig Wightman 250-716-8776
Evaluation of a floating weir for counting adult winter steelhead	The project will evaluate the performance of a floating weir (Alaskan resistance board weir) in enumerating low-abundance adult winter steelhead in a variable flow coastal river and compare weir counts to standard mark-recapture and resistivity counter estimates of total escapement.	\$10,000	Tom Johnston 604-222-6754
Flow augmentation to increase steelhead production	Evaluate the benefits of flow augmentation to increase juvenile steelhead summer rearing habitat and smolt production as a restoration method for depressed steelhead populations.	\$39,100	Tom Johnston 604-222-6754

Modernization of the Vancouver Island Lakes Questionnaire Survey	Historically on Vancouver Island, mail-out questionnaires have been used to collect and track angler effort and catch information on small and large lakes. The second year of this project will finalize collection of the survey responses for both the mail-out questionnaire and the new digital online survey. A report comparing the results of the two surveys will be prepared.	\$13,278	Scott Silvestri 250-751-3128
Good Neighbours Craigflower, Mt Newton, & Tod Creek	The Good Neighbours project will work with residents of three important watersheds in the Greater Victoria area to help steward sensitive natural ecosystems to better support the fish and wildlife that rely on them.	\$17,930	Adam Taylor 250-995-2428
Bear Awareness Initiative North Vancouver Island	Provide education within the community with regards to managing bear attractants and in turn making the community safer by reducing the number of human-bear conflicts. Additionally our goal is to establish a long term volunteer group that will continue past this funding window.	\$10,048	Frank Ritcey 250-828-2551
North and Central Vancouver Island Broadcast Burn Plan	This project will develop a 5 year burn operational burn plan for 5-10 clearcut logged areas on Central and Northern Vancouver Island. These burns will enhance forage values for deer, elk, blue and ruffed grouse, and black bears as well as other species that benefit from high quality early seral forage.	\$5,000	Wayne Wall 250-287-2246
Dyke Slough (Comox) Habitat Restoration Feasibility	Biophysical assessment of seasonal juvenile fish use and abundance within the Dyke Slough complex, and its two fish-producing tributaries, Glen Urquhart and Mallard creeks, will be undertaken to clearly identify future habitat improvement projects sponsored by the Courtenay Estuary Working Group	\$5,000	Craig Wightman 250-716-8776

Lower Mainland Projects

Project Name	Project Description	Approved Funding	Project Leader
Operations and Maintenance: (Wild) - Lower Mainland	This project will assist with funding the operation and maintenance of provincially significant Wildlife Management Areas in British Columbia. The sites include over 29,000 hectares of critical wildlife habitat located within 6 established wildlife management areas and 4 conservation lands, all situated within close proximity to BC's largest population base.	\$59,442	Brent Gurd 604-582-5397
Coastal Mainland Roosevelt Elk Recovery and Management Project (CMRERMP)	Re-establish viable elk populations in wilderness areas of the Lower Mainland Region through the trapping and translocation of elk from the urban interface, along the Sunshine Coast.	\$60,000	Darryl Reynolds 604-885-7419

City of Surrey's Salmon Habitat Restoration Program (SHARP)	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.	\$25,073	Liana Ayach 604-591-4383
Provision of Waterfowl & Raptor Habitat within Managed Grasslands on Lower Fraser River Farmland	Over 1,200 ha of grassland habitat (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 migratory waterfowl and raptors.	\$20,000	David Bradbeer 604-940-3392
Fraser River White Sturgeon Monitoring & Assessment Program	This project continues the successful, stewardship-led white sturgeon stock monitoring and assessment activities established in 2000. This priority stock-recovery project delivers annual estimates of the population, and growth rates, by size group, of lower Fraser River white sturgeon.	\$60,476	Sarah Sugiyama 604-664-7664
Biodiversity Surveys to Identify Critical Sites for Wildlife Conservation on the Sunshine Coast	Habitat enhancement for wetland-dependent species; Threat mitigation; Identification of critical habitat features; Population inventories, assessments and monitoring; Climate change monitoring; Outreach and education; Wetland mapping, assessment & prioritization; Wetland restoration & habitat protection through work with government, community groups and land owners.	\$26,600	Michelle Evelyn 604-886-1910
Learn to Fish Program	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 at Metro Vancouver and South Vancouver Island urban lakes, and Lower Mainland provincial parks. FFSCB with funding from HCTF and other partners will put 20,000 participants through L2F in 2012/13.	\$80,000	Mike Gass 250 414-4200
Ladner Creek Summer Run Steelhead Side Channel Performance Improvements	Intake modifications to prevent seasonal dry ups and additional habitat complexing are required at the 750 m side channel, constructed in 2008 at Ladner Creek, a tributary to the Coquihalla River, with HCTF funds.	\$15,000	Kerry Baird 604-576-1433
Restoration of Guichon Creek, A Tributary of Still Creek	This project is intended to restore native fish and riparian habitat in Guichon Creek which runs through the British Columbia Institute of Technology (BCIT) campus in Burnaby, B.C. Guichon Creek has been heavily modified by urbanization during the past 70 years, resulting in a major loss of native fish, and instream fish and riparian habitat.	\$60,000	Mark Angelo 604-432-8270
Lower & Middle Fraser White Sturgeon Recovery Working Group	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. The	\$6,913	Erin Stoddard 604-582-5374

Support	project will provide administration support as well as travel support for recovery working group members. This project application is being submitted on behalf of the Ministry		
South Coast Community Bat Project	This project will improve bat conservation and stewardship on the south coast through identifying bat roosts, monitoring bat populations on both private and crown land, providing education about bats, and working with land owners/ managers to improve stewardship and enhancement of bat roosting habitat.	\$25,750	Susan Leech 604-904-2478
Grizzly Bear Space-Use and Movements Relative to Habitat & Human Influence in the Sea to Sky Planning Area	Build databases of grizzly bear space-use and movements to subsequently develop and test models of spatio-temporal behavioural response to factors of habitat and human influence. Integrate and support outputs for application within population- and landscape-unit resource planning and environmental assessment.	\$40,000	Clayton Apps 403-270-8663
Population Structure and Conservation Value of Bull Trout and Dolly Varden from Bute Inlet	This project employs genetic analysis to determine pre-impact population structure and conservation value of bull trout and dolly varden populations in Bute Inlet. This area is the focus of substantial development pressure (proposed run-of-river projects) and collected data will be used to help inform management decisions and conservation priorities in the region.	\$17,050	Allan B. Costello 250 960 5658
Salinity effects on lower Fraser River juvenile white sturgeon	This project will determine current salinity distributions in the lower Fraser River, and the rate of change in these salinities daily, by tidal influence, and seasonally, in the spring and fall. Furthermore, these salinities will be used to help design short-term and long-term salinity tolerance studies on lower Fraser River juvenile white sturgeon, which will be conducted at the International Centre for Sturgeon Studies.	\$5,000	Peter Allen 662.325.7404
Bear Awareness Initiative Chilliwack	Provide education within the community with regards to managing bear attractants and in turn making the community safer by reducing the number of human-bear conflicts. Additionally our goal is to establish a long term volunteer group that will continue past this funding window.	\$13,000	Barb Waters 250-828-2551
Cumulative effects of landuse on persistence of endangered Salish sucker	This study will determine how the cumulative effects of landuse on stream habitat and water quality are impacting abundance and persistence of endangered Salish Sucker and native salmonids in the lower Fraser Valley, generating critical information needed to manage habitat for these species, and to anticipate and minimize the impacts of future landuse development.	\$39,012	Jordan Rosenfeld 604-222-6762
Stock Reduction Analysis for Lower Fraser White Sturgeon	The 2006 Stock Reduction Analysis model for Lower Fraser River white sturgeon will be updated with data collected through 2011 to provide: current estimates of the total population size along with trends in	\$35,285	Karl English 250-656-0127

	abundance for both adults and juvenile sturgeon; an assessment of model assumptions; and recommendations for future enhancements.		
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Thompson/Nicola Projects

Project Name	Project Description	Approved Funding	Project Leader
Operations and Maintenance: (Fish) Headquarters	Maintain fences, gates, cattle guard, and dam on property, and support costs for lake aeration system and house at Menzie Lake.	\$7,650	Ted Down 250-387-9715
Operations and Maintenance: (Fish) Thompson-Nicola	Operation and maintenance of existing lake aeration, stream diversions, outlet fence, riparian fencing, open diversion ditches and dam structures that enhance the angling opportunities of high use lakes within the Thompson-Nicola region.	\$54,850	Stephen Maricle 250-371-6253
Thompson River Juvenile Steelhead Assessment	Multi-year, snorkel count assessment of steelhead parr standing stock to provide estimate of steelhead carrying capacity for the Thompson R. watershed	\$73,326	Robert G. Bison 250-371-6244
Operations and Maintenance: (Wild) Thompson-Nicola	Maintain and manage Ministry lands and restricted areas to ensure public compliance with Ministry regulations, protection of natural resources, and enhanced enjoyment by the visiting public.	\$7,500	Francis Iredale 250-371-6241
Operations and Maintenance: (Fish) Bonaparte	Operation and maintenance of the Bonaparte Fishway and the Bonaparte Lake Dam to facilitate the spawning and rearing of steelhead and rainbow trout as well as salmon.	\$25,939	Robert G. Bison 250-371-6244
Recreational Sport-Fishing Conservation Through Management of Spiny-Rayed Fishes	The objective of this project is to conduct follow up monitoring of rotenone treated watersheds, as well as to assess newly reported water bodies for the presence of spiny-ray fish. The project will also keep this important issue high profile in the community through an education and awareness campaign.	\$29,925	Andrew Klassen 250-371-6237
Interior Fraser Wild Steelhead Conservation	Monitor abundance, recruitment and status of the four Steelhead stocks including three Thompson River stocks (Nicola, Deadman and Bonaparte) and one Chilcotin stock (Chilko). Data provided by this project is used as a basis for many initiatives aimed at conserving and improving the productivity of the stock including water management plans, regulation of streamflows, habitat restoration plans, and numerous habitat restoration projects.	\$76,000	Robert G. Bison 250-371-6244
Shuswap Lake Rainbow & Lake Trout Stock Status & Their Recreational Fishing Potential	Monitor the catch and effort for rainbow trout and lake char stocks through creel survey and mail-out questionnaire. Includes collection of tag return data to support exploitation rate estimates for rainbow trout and lake char stocks and allow for regulation evaluation to ensure sustainable fishing opportunities	\$16,594	Andy Morris 250-371-6325

	and angler satisfaction are being maintained.		
Nicola lake Kokanee, Burbot and Rainbow Trout Fish and Fish Habitat Assessment and Conservation Plan	To collect baseline data on critical habitat use for Nicola Lake kokanee, including stream spawner enumeration and distribution mapping, shore spawner surveys and hydro-acoustic and trawl surveys. Abundance trend data is necessary for future harvest rate assessments on the sport fishery and on First Nations harvests.	\$25,875	Andy Morris 250-371-6325
Wetlands Institute of BC	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. The 2012 Institute will occur along the Sea-to-sky corridor. Plans for 2013/2014 are for Nelson/Castlegar/Salmo area.	\$33,300	Neil Fletcher 1-888-881-2293
Quality Waters Strategy Project - Thompson River Guardian Program	River guardians will patrol during times of fishery closure and survey the steelhead fishery in the event of an opening to assist with fishery management and enforcement.	\$24,860	Robert G. Bison 250-371-6244
Population trend, vital rates, and habitat condition of the endangered Stein/Nahatlatch grizzly bear population	Determine survival rates, reproduction, population trend, inter-population movements and changes in the abundance of major food items for the endangered and importantly located Stein/Nahatlatch and portions of South Chilcotin grizzly bear populations to identify major limiting factors to prescribe appropriate recovery actions.	\$66,700	Bruce McLellan 604-452-3233
Shuswap Lake Shoreline Habitat Restoration	Restore high priority areas of sensitive fisheries habitat on Shuswap Lake to improve spawning habitat for lake char and rearing habitat for juvenile salmonids. This project will repair the damage caused by decades of unregulated residential and commercial foreshore development around the perimeter of Shuswap Lake.	\$94,000	Andy Morris 250-371-6325
Thompson Flow Sensitive Streams	Monitor, record and assess causes and ways to moderate, mitigate or avoid extended summer low flows and high stream temperatures in flow sensitive interior streams. Analyze information to identify how supply/demand balance or other operational changes can lead to instream flow recovery to benefit fish stocks. Achieve targets to restore instream flows.	\$29,500	Philip Belliveau 250-371-6240
Thompson Region Small Lakes Water Use Strategy Project	Developing an understanding of water availability and use for high priority small recreational lakes in the Thompson drainage. Information gathered through this process will be used to develop Water Use Strategies (W.U.S.'s) for the watersheds that will lay the foundation for improved management of the water resources.	\$70,000	Stephen Maricle 250-371-6253
Inventory of fisher populations and dens in the Bridge	This project addresses critical habitat information on reproductive den sites for the conservation of fishers and provides key population size information valuable	\$19,550	Larry R. Davis 250-398-7353

River watershed	for local area conservation and invaluable for improving the science foundation for population management and conservation of this species throughout the province.		
Community-based amphibian monitoring program in multi-use landscapes in south-central B.C.	A collaborative monitoring program among volunteer community members, landowners, and scientists is established. Important wetland habitats are identified, volunteers are trained in amphibian identification and survey methods, and stewardship activities are initiated to promote practices that facilitate coexistence in multi-use landscapes.	\$22,090	Kristiina Ovaska 250-727-9708
Shuswap Mountain Goat Population Inventory	This project will generate current information on the status of goat populations in the Shuswap area through assessment of population demographics and population size. Information will be used to inform management.	\$22,000	Chris Procter 250-371-6250
Kamloops Rattlesnake Harm Mitigation Project	The intent of this project is to maintain a viable rattlesnake population by reducing human interaction with rattlesnakes within an urban grassland interface through the installation of snake barrier fencing along an existing and new sub-division development. The project will include an outreach component targeted at residents and recreational users to create awareness and encourage reduced conflicts with rattlesnakes. Overall, this project will assist the ministry in maintaining an important viable snake population and contribute to the goal of recovering rattlesnakes in British Columbia.	\$26,731	Francis Iredale 250-371-6241
An East Fraser California bighorn sheep herd lamb mortality investigation	This project will investigate the significance of respiratory pathogens, in particular Mycoplasma ovipneumoniae, and enteric disease, in high lamb mortality rates and poor recruitment in California bighorn sheep herds of the east of Fraser river in BC. Based on results, further research will be proposed in order to identify management activities to reduce mortality.	\$30,000	Trent Bollinger 1-306-966-5153
Lytton elk (Cervus canadensis) population enumeration and habitat enhancement.	The goals of this project include completing habitat enhancements and prescribed burns, and to develop a long-term strategy and management for the recovery of this herd. In addition, population increases due to our enhancement efforts are a critical accomplishment.	\$58,150	Tawnya Collins 250-455-2711

Kootenay Projects

Project Name	Project Description	Approved Funding	Project Leader
Operations and Maintenance: (Fish)	Operation and maintenance of two West Kootenay kokanee spawning channels and a rainbow spawning	\$50,000	Jeff Burrows 250-354-6928

Kootenay	channel on Whiteswan Lake.		
Operations and Maintenance: (Wild) Kootenay	Through the combined effort of conservation youth crews and contractors, the project aims to implement a planned and carefully monitored operational and maintenance program on conservation lands throughout the Kootenays, focused on wildlife habitat protection, enhancement and restoration.	\$35,530	Stewart Clow 250 489-8517
Kootenay Lake Gerrard Rainbow Trout Conservation	This project monitors the conservation status of Gerrard rainbow trout by enumerating and characterizing spawners, estimating harvests of these fish in the Kootenay Lake sport fishery, and monitoring critical spawning habitat parameters.	\$34,000	Jeff Burrows 250-354-6928
East Kootenay Grassland Ecosystem Restoration	Conduct planning (prescriptions, archaeological assessments, area layout, wildlife tree identification), work required to initiate priority ER treatment activities for fire maintained ecosystems and habitat restoration for associated wildlife species. Initiate pre/post prescribed burning and vegetation removal (slashing/tree removal) & monitoring including both short and long term.	\$177,120	Sue Crowley 250-342-4290
Creston Valley WMA Operations & Maintenance	Implement a series of activities aimed at upgrading ageing water control infrastructure, restoring/enhancing wetland compartments, channels, and adjacent habitat to maintain and/or increase benefits to game and non-game species.	\$30,000	Marc-Andre Beaucher 250-402-6907
Fishing & Natural Mortality of Gerrard Rainbow Trout	This is a six year study to estimate the proportion of large rainbow trout and bull trout in Kootenay Lake that are caught by anglers versus die of natural causes. The project, which has implications for the management of large lake fisheries in BC, is also providing valuable information on fish life history and habitat use in Kootenay Lake.	\$12,000	J.L. Thorley 250-352-6369
Production, Utilization & Condition of East Kootenay Ungulate Winter Range Ecosystems	Assess and document the current rangeland condition and forage availability throughout the Rocky Mountain Trench to enable science-based decision making in regards to wildlife and livestock management.	\$15,000	Sue Crowley 250-342-4290
Mule Deer Population Composition Surveys	We will monitor post-hunt mule deer buck to doe ratios to determine whether new any-buck hunting seasons are sustainable and comply with provincial procedures. New seasons were introduced in 2010, and populations were monitored that year. Additional years of monitoring are required to adequately assess potential impacts.	\$20,700	Tara Szkorupa 250-489-8553
Quality Waters Strategy Project - Kootenay Region 2009 to 2013	River Guardian Sub-Program Kootenay Regional Quality Waters Management Committee Sub-Program	\$68,000	Kevin Heidt 250-489-8556

Long-term Implications of Landscape Change & Hunting on the Behaviour & Population Dynamics of Grizzly Bears.	We will continue to monitor grizzly bear reproduction, female survival, causes of mortality, movements and production of important bear foods as part of a long-term (33 years) study of grizzly bear population ecology on a managed landscape.	\$27,000	Bruce McLellan 604-452-3233
Western Screech-owl Habitat Stewardship and Home Range Analysis in the West Kootenay	This proposal is to capture, radio-tag, and monitor individual Western Screech-owls from two additional territories with the end goal of documenting dispersal, home ranges and demographics at ten territories. This data will be used in private land stewardship and conservation of critical riparian habitat in the West Kootenay region.	\$30,700	Doris Hausleitner (250) 352 -5781
Boundary Ecosystem Restoration	This project will improve habitat quality, resiliency and forage availability for ungulates and other native species by restoring degraded habitats in low elevation ecosystems of the Boundary. This project also aims to build community stewardship and technical capacity through the use of partnerships.	\$244,743	Lisa Tedesco 250-354-6352
Kootenay Lake Bull Trout Productivity and Capacity for Defining Management Reference Points.	Provide quantitative data on stock dynamics to assist with managing the bull 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 fishing on this important blue listed species.	\$47,340	Greg Andrusak 250-825-2729
Boulder Creek Diversion Project	The Wilmer Waterworks Improvement District (WWID) has agreed to relinquish their water rights to Neave Creek which will be re-diverted to its original channel resulting in increased flushing rates of Lillian Lake and improved water quality. To compensate the WWID a pipe will be placed in a deteriorating ditch to increase water for Enid and Wilmer Lakes and the irrigation users.	\$70,000	Peter Holmes 250-342-4269
Reintroduction of Sharp-Tailed Grouse onto Teck Reclamation Lands & Wycliffe Conservation Areas	Additional, non-random sampling of potential nesting habitat will complete the feasibility study, we will examine options to protect/enhance montane shrub communities, and provide a detailed Reintroduction Action Plan which identifies the source of birds for transplant, the anticipated number, release methods, and time-lines. Wycliffe Grouse Group meetings will continue.	\$17,965	Penny Ohanjanian 250-427-5262
Determination of Gerrard rainbow trout Parr Productivity and Capacity required for Defining Management Reference Points.	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. This is year two proposal with no change.	\$43,890	Greg Andrusak 250-825-2729

Assessing predation risk from wolves for resident mountain caribou and translocated northern caribou in the Purcell Mountains.	Mountain Caribou are classified as Threatened. As part of the Mountain Caribou Recovery Implementation Program, the Purcells -South herd will be augmented by translocating 40 northern caribou over a 2-year period. As proposed, we will provide critical information on risk of predation by wolves and gauge success of this translocation as well as inform future herd augmentations.	\$42,800	Dennis Jelinski 250-721-7968
Gerrard Viewing Platform Replacement and Upgrade	Remove, replace and upgrade the Gerrard Viewing Platform. Improve accessibility to the public to view the Gerrard Rainbow Trout and Kokanee. The viewing platform tower will help provide more accurate and convenient fish counts of spawning Gerrards therefore improve conservation and fisheries management of this essential fish population in the kootenays.	\$3,500	Grant Trower 250-366-4375
Habitat assessment for grizzlies in threatened Selkirk and Purcell GPBUs	This project will assess habitat quality and security for grizzly bears and their effects on reproductive success in 2 threatened grizzly bear populations units. Our results will provide insight into the potential role of access management on recovery of threatened grizzly bear populations in BC.	\$33,438	Michael Proctor 250-353-7339
Enhancing Marten and Weasel Habitat on Clearcuts: Windrows of Woody Debris Connecting Forest Reserves	Investigate the use of windrows of post-harvest woody debris as habitat for marten and weasels on new clearcuts. In particular, the connectivity across clearcut openings, from adjacent forest to adjacent forest, will be assessed for prey species and use by these mustelids.	\$15,000	Thomas P. Sullivan 250-494-7160
Feasibility of Generating Large Size Kokanee for Anglers on Whatshan Lake	This seed funding request is required to determine the feasibility of using Whatshan Lake for creation of large size kokanee for anglers. Feasibility will depend on existing run size, ease of capture and cost estimates for small scale fertilization.	\$4,800	Greg Andrusak 250-825-2729

Cariboo Projects

Project Name	Project Description	Approved Funding	Project Leader
Operations and Maintenance: (Fish) Cariboo	Ensure continued functionality of fisheries habitat enhancements by maintaining lake aeration systems on Skulow, Higgns, Dewar, Irish and Simon Lake; monitoring and maintaining flow in the Haines Creek diversion, inspecting and restoring dams, weirs , spawning channels and fish passages on other selected lakes and streams.	\$49,350	Todd Gale 250-398-4555
Operations and Maintenance: (Wild) Cariboo	Completion, replacement and repair of log rail fencing around Conservation Lands in the Chilcotin. Fencing projects are required to protect important fish and wildlife habitat from negative impacts of cattle and	\$5,800	Julie Steciw 250 398-4671

	feral horse grazing and erosion.		
Mid-Fraser River White Sturgeon Radio Telemetry Program	Identify important habitats (e.g., spawning, overwintering, etc.) and areas to be protected from future development. Outline important habitat features (e.g., spawning substrate, flows, temperature, etc.). Identify key migration routes and timing.	\$5,300	Lee Williston 250 398-4696
Invasive Smallmouth Bass Containment Structures – Beaver Creek WS	Seven barriers have been installed within the Beaver Creek drainage to prevent illegally introduced smallmouth bass from extending their range in the watershed. The barriers will be evaluated for structural integrity and an assessment program will determine if key barriers are preventing upstream movement of bass.	\$14,000	Barb Waters 250-828-2551
Habitat Use & Population Monitoring of the Itcha-Ilgachuz Caribou Herd	Project will assess whether the Itcha-Ilgachuz caribou population has declined or changed habitat use and distribution in response to Mountain Pine Beetle epidemic, using collared caribou. 12 GPS collars will be monitored over 3 years for habitat use/distribution and 32 VHF collars will provide a marked sample for June 2012 population and March 2013 recruitment surveys.	\$35,000	Nicola Freeman 250-398-4553
Quality Waters Strategy Project - Dean River Guardian Program	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.	\$79,964	Daniel Lirette 250-398-4258
Monitoring of Coastal Grizzly Bears in Heiltsuk Territory to Inform Management & Increase Local Capacity	Non-invasive DNA capture-recapture methods will monitor population trends of coastal grizzly bears in Heiltsuk Territory and identify any factors behind possible changes. Project will inform provincial and local First Nations management and simultaneously develop wildlife conservation capacity for local community members.	\$25,000	Chris Darimont 250 721-7349
Quality Waters Strategy: Blackwater River Angler Use Survey and Guardian Program	The Blackwater River Angler Use project will conduct an aerial survey of the Blackwater river to ensure angler effort is consistent with that specified in the Blackwater River Angling Management Plan (AMP). Guardians will monitor the river for several weeks to monitor compliance with angling regulations, rod day allocations and also collect catch data for this wild stock fishery.	\$53,240	Lee Williston 250 398-4696

Skeena Projects

Project Name	Project Description	Approved Funding	Project Leader
Skeena Weirs & Steelhead Stock Assessment	Operate a fish enumeration weir on the upper Sustut River for the 19th consecutive year to determine the escapement of wild summer steelhead to this system;	\$68,000	Mark Beere 250-847-7297

	the Sustut weir serves as an index stream for upper Skeena steelhead stocks.		
Assessment of Lake Trout Population Abundance by Summer Profundal Index Netting	Obtain accurate relative abundance and demographic data for 20 road-accessible lake trout populations in the Skeena and Nechako watersheds within Northern Region, to improve interpretation of the status of the stocks and maintain quality recreational opportunities by appropriate angling regulations	\$20,275	Joe De Gisi 250-847-7288
The Response of Caribou Terrestrial Forage Lichens to MPB & Forest Harvesting in the East Ootsa & Entiako Areas	This project assesses the effects of MPB and forest harvesting on caribou terrestrial forage lichens on the Tweedsmuir-Entiako caribou winter range by re-measuring permanent sample plots that were established in 2001 and re-measured in 2003, 2005 and 2007. For this project, all plots were re-measured in 2011, and data analysis and write-up will be completed in 2012/13.	\$16,830	Deborah Cichowski 250-847-2827
Terrestrial habitat requirements of post-metamorphic coastal tailed frogs in northwest BC.	This project will utilize radio-telemetry to describe the seasonal terrestrial habitat requirements and movement patterns of post-metamorphic tailed frogs at multiple spatial scales. Results will improve headwater stream riparian management for activities such as forestry, urban development and Run-of-River hydro installations.	\$59,001	Melissa Todd 250-751-3132
Restoring Whitebark Pine Ecosystems to Enhance Subalpine Bear Habitat	We seek \$5000/yr to continue a project to restore endangered whitebark pine ecosystems with high habitat potential for grizzly and black bears. We collected seeds from apparently disease-resistant whitebark pine trees and are growing nursery seedlings. We will plant seeds and seedlings in burned areas that will otherwise regenerate to species of lower habitat-value.	\$5,000	Sybille Haeussler 250-847-6082
Naden Harbour: Marine Bird and Mammal use during Spring Migration	Naden Harbour is identified as a critical waterfowl habitat area, but since 1990 no inventory of the marine birds and mammals has been conducted to determine if the ongoing industrial-commercial activities are impacting its past ecological status. We will conduct marine bird and mammal surveys at the peak of spring migration to allow an assessment of its current status.	\$9,900	Frank Doyle 250-847-3252
Assessment of Kitimat River Cutthroat Trout Migration for Improved Conservation and Fisheries Management	Through the use of radio telemetry and genetic assessment techniques we propose to:(1) Identify areas of cutthroat production in the watershed for stock assessment, enhance habitat protection, restoration (2) Delineate key overwintering areas and behaviours (3)Evaluate migration behaviours, (4) Genetically identify population diagnostics (5) Rationalize angling regulations.	\$132,640	Jeff Lough 250-847-7337

Peace/Omineca Projects

Project Name	Project Description	Approved Funding	Project Leader
Operations and Maintenance: (Fish) - Peace	Operation and maintenance to support activities in four of lakes, Swan, Stewart, Sundance and Inga. Activities include a spawning channel education program, lake aeration in winter, and fishway and weir maintenance.	\$25,200	Nick Baccante 250-787-3289
Operations and Maintenance: (Wild) - Peace	Ensures site habitat protection (fence repairs, weed control and signage) and implementation of management plans on conservation lands.	\$16,000	Conrad Thiessen 250-787-3287
Rehabilitative stocking of lake trout in Moberly Lake	The Moberly Lake Trout population has collapsed and is at risk of imminent extirpation (less than 10yrs). Short term rehabilitative stocking was begun in 2010 to try to re-establish the species community balance and natural recruitment of lake trout. HCTF funds in 2012-13 will be used to complete production of the first cohort of juvenile lake trout and support their release in spring.	\$8,505	Brendan Anderson 250-751-3152
Wildlife Response to Prescribed Burning in the Peace Region	This is year 3 of a 3-year project to define the influence of prescribed burns on elk and Stone's sheep in northeastern BC. The project will quantify plant response (quality and quantity) and animal response (movements and species overlap) to prescribed fire. The results will provide area-specific feedback for the current prescribed burning program.	\$41,221	Katherine L. Parker 250-960-5812
North American Mink Population Densities, Habitat Selection & Diet in Central BC	This project will provide an indepth assessment of the winter ecology of American Mink in the central interior of British Columbia. This will include information on habitat selection, home ranges, movement patterns, landscape occupancy and diets. This will constitute the first detailed work on mink in the interior of British Columbia.	\$9,555	Dexter Hodder 250-996-0028
Operations and Maintenance: (Wild) Omineca	Ongoing maintenance of four Wildlife Areas within the Omineca Regions. Specific activities include improving fishing opportunities, mitigating impacts from public access, managing invasive species and maintaining boundary integrity.	\$11,500	Mike Peterson 250 565-6142
Nechako River Bull Trout Distribution Evaluations	Tagging bull trout at spawning tributaries to determine the proportion and source of bull trout overwintering in the Nechako River and to evaluate potential for limited bull trout retention fishery opportunities on the Nechako River.	\$73,700	Ray Pillipow 250-614-9914
Herd Boundary Refinement for the Chase, Spatsizi, and Frog Caribou Herds in north-central British Columbia.	We will refine current caribou herd boundaries to include an area in north-central BC where the current provincial inventory is recorded as "trace occurrence" yet our research indicates numbers of caribou that exceed most of the identified herds in BC.	\$61,582	Scott McNay 250-997-5700

Understanding the Cumulative Effects of Landscape Change for the Distribution and Abundance of Furbearers	We will use expert knowledge and harvest data to better understand the implications of landscape change for the distribution and abundance of furbearers found across central British Columbia. Working with trappers and biologists, we will develop expert-based habitat models that represent changes in the availability of habitats for three furbearer species sensitive to forest change and industrial development. We will relate trends in habitat availability to indices of abundance, as represented by harvest records, to develop an understanding of the population dynamics of the indicator species in the context of cumulative landscape change.	\$27,456	Chris Johnson 250-960-5357
Efficacy of UWR"s and survey optimization for bighorn sheep in MU 7-19	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. Will include a joint BC/AB population monitoring and calculation of sightability correction factor that can be applied to other northern bighorn sheep populations.	\$50,000	Conrad Thiessen 250-787-3287
Burnt River Arctic grayling Assessment.	Region will collect and contribute recent data to a well established time series of abundance indices and population size/age structure estimates, which will help determine if the Burnt River Arctic grayling population has stabilized or continued to decline since the last survey undertaken in 2006 and ultimately guide if further project works and/or regulation changes are required (scoping).	\$14,877	Nick Baccante 250-787-3289
Southwest Omineca Sharp-tailed Grouse Inventory and Enhancement Project	The project will inventory sharp-tail grouse populations in the southwest Omineca, delineate known distribution, map potential habitat, help develop future enhancement projects.	\$5,000	Olin Albertson (250) 567 6618

Okanagan Projects

Project Name	Project Description	Approved Funding	Project Leader
SOS Stewardship Program: delivering private land stewardship in the SOSCP	This project will build on the success of the past 17 years of the SOS Stewardship Program. We will focus on the Wildlife Habitat Stewards aspect of the SOS Stewardship Program, maintaining contact with and assisting landowners who have committed to conservation for wildlife on their property, and contacting new landowners based on the same premise.	\$45,000	Carl MacNaughton
Operations and Maintenance: (Fish) Okanagan	Operation and maintenance of HCTF fisheries projects completed around the Okanagan region including: aerator operation at Burnell, Kidd, Lady King, Yellow, Gardom and Martins Lakes, dam maintenance on 14 Okanagan lakes, and	\$65,350	Tara White 250-490-2287

	maintenance of fishways, spawning channels, and other restoration structures.		
Operations and Maintenance: (Wild) Okanagan	Critical land management activities on lands acquired or leased by the ministry for conservation purposes in the Okanagan Region. Management activities include: ecosystem restoration, invasive species management, legal survey, fencing installation/maintenance, installation of boundary and interpretive signage and mitigation of safety issues.	\$40,000	Mark Weston 250-490-8279
South Okanagan Ranch land Conservation Project	Supports continued implementation of HCTF-funded Management Plans on two Biodiversity Ranches in the South Okanagan.	\$12,000	Carl MacNaughton
Mabel Lake Rainbow Trout Stock Status & Maintaining Recreational Angling Opportunities	This proposal is simply to: (1) Maintain receiver array for data collection; (2) Expend a small amount of additional effort to use up all available acoustic tags from angler returns; (3) Incorporate all data into a final report summarizing data during the last 5 years, which will outline current and optimal exploitation rates.	\$8,200	Paul Askey 250-490-8267
Middle Vernon Creek Fish Passage Assessment	The goal of this project is to estimate egg-to-fry survival for Wood Lake stream spawning kokanee and assess the impact of a planned permanent flow control structure at the outlet of Ellison Lake which flows into Middle Vernon Creek and then into Wood Lake.	\$22,847	Howie Wright 250-707-0095
Okanagan River Restoration Initiative - Phase II	The project will restore a critical portion of Okanagan River by re-connecting a naturally-forested side channel to the mainstem. This will benefit sockeye, Chinook, steelhead, and other species by increasing habitat complexity, providing high flow refugia and spawning and rearing habitat, increasing egg-to-fry survival and by reconnecting historical rearing habitat.	\$90,308	Kari Alex 250.490.9779
Mission Creek Habitat Restoration Coordinator	Retain a Project Coordinator to facilitate a multi-year, multi-stakeholder initiative (MCRI) who's objective is to acquire strategic properties adjacent to Mission Creek, set back the sub-standard flood control dykes from their current location and restore the fish and wildlife habitat and key species at risk.	\$20,001	Tara White 250-490-2287
Priority Management & Conservation of Okanagan Region Kokanee	The final year of this project will accomplish the overall project objective to set quantitative harvest targets for Wood Lake kokanee (as well as Okanagan Lake). A final year of data collection to estimate kokanee abundance and harvest will occur, and all previous years data will be compiled and analyzed. A final publication/report and stakeholder meeting will be completed.	\$25,000	Paul Askey 250-490-8267
Kettle River Water Management Plan - Kettle River Stream flow Protection Plan	Development of a stream flow protection plan for the Kettle River Watershed, which takes into consideration fisheries values & habitat requirements, as well as existing & future water supply for domestic	\$48,306	Tara White 250-490-2287

	and agricultural users.		
South Okanagan Similkameen Conservation Program (SOSCP)	Fish and wildlife habitat conservation and protection through a collaborative partnership model focused on implementation of the Regional Biodiversity Conservation Strategy, key local and regional government environmental planning initiatives and leveraging of resources within the South Okanagan Similkameen Region.	\$30,000	Warren Everton 250 492-0237 (RDOS)
Middle Vernon Creek Action Plan	Ensure sustainability of Canada's top kokanee fishery, Wood Lake, by securing a consistent water supply for the primary spawning tributary, Middle Vernon Creek.	\$65,000	Howie Wright 250-707-0095
Granby-Gladstone Mountain Goat Habitat Enhancement Project	We will assess the feasibility of using large prescribed burns to enhance mountain goat habitat in the Boundary, develop necessary partnerships to enable successful implementation and provide recommendations for a monitoring scheme to evaluate burn success. The long-term goal is to improve habitat and increase mountain goat populations.	\$4,850	Jenny Coleshill 250-442-7969