



BACKGROUND PROJECT LIST 2009-2010

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

Multi Region

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| WildBC (Project Wild) | \$155,000 | Kerrie Mortin 250-387-9787 |
| Management of a family of environmental education programs and resource materials. | | |
| Public Conservation Assistance Fund | \$150,000 | Lisa Helmer 250-387-1159 |
| Volunteer public conservation projects to enhance opportunities for local conservation groups to participate in and contribute to fish and wildlife conservation projects in their communities. | | |
| B.C.'s Family Fishing Weekend | \$30,000 | Owen Bird 250-664-7201 |
| Sponsors and coordinates more than 50 community-based angling events throughout BC to encourage participation in recreational angling, build greater awareness of the importance of fish and teach about their habitat. | | |
| BC Wetland Partnership Program | \$250,000 | Brad Arner 250-374-8307 |
| Operate, maintain and manage existing wetland conservation projects throughout BC and work to secure and restore additional wetland habitats benefiting fish and wildlife. | | |
| Wildlife Tree Stewardship Initiative (WITS) | \$30,000 | Ian Moul 250-890-0713 |
| Create, coordinate, and assist a network of community stewards committed to conserving coastal wildlife tree habitats through volunteer motoring, landowner agreements and community education in southern BC. | | |
| Wild/Domestic Sheep & Goat Separation | \$30,000 | Irene E. Teske 250-489-8551 |
| This project is an expansion to the Thompson region and support for current regional programs (South Okanagan, East Kootenay) for local programs to prevent contact and disease transmission between domestic sheep and goats and wild sheep. | | |
| Mountain Goat/Helicopter Behavioural Research Project | \$77,000 | Doug Heard 250-614-9903 |
| This collaborative, multi-year project is intended to assess the short to longer term responses of mountain goats to helicopter activity. | | |
| Priority Grassland Initiative: Identifying Priority Grasslands for Wildlife, Habitat Conservation & Stewardship | \$25,000 | Richard Doucette 250-371-5220 |
| Building upon the recently completed provincial grassland GIS data in conjunction with the expertise of regional agrologists, ecologists, wildlife biologists, First Nations, this project will identify high value, priority grassland areas. | | |

Crown Land Securement Pilot Project	\$25,000	Doug Walker 604-924-9771
Supports Year 3 of a Pilot Program assisting MOE with the designation of new Wildlife Management Areas and the securement Crown fish and wildlife reserves on Vancouver Island the Lower Mainland.		
Nutrient Purchase for Fish Habitat Restoration	\$22,222	Kevin Pellett 250-716-8776
Improved freshwater productivity in target watersheds with the addition of inorganic and organic fertilizers. Increased growth and survival of stream rearing salmonids. Community awareness of the role of marine derived nutrients through First Nation and stewardship group involvement and media coverage.		
Angling Market Development Initiative	\$150,000	Don Peterson 250-414-4200
Development Plan during which FFSBC, as the lead, will continue to implement and measure the License Renewal Campaign, the Compliance Campaign and the Angler Performance Research.		
Investing in Conservation with Special Permits Revenue	\$11,000	Rod S. Silver 250-381-1008
The production of a report to describe the background, revenue history and project investments supported by Special Wildlife Permits as content on the HCTF website and for use in possible print formats. The report will support the communications plan and complement other forms of investment reporting by the Foundation.		
Fisher Habitat Conservation – Provincial	\$9,900	Eric Lofroth 250-356-0244
This project will synthesize valuable information gained from recent habitat research on fishers from across BC and extend it to forest practitioners to effectively conserve the quality and quantity of fisher habitat in the forests of BC.		
Prioritized Bullfrog Management to Optimize Cost-Benefits to Native Species Conservation	\$25,000	Purnima Govindarajulu 250-383-6262
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.		
BC Hinterlands Who's Where: The Key to Completing the BC Breeding Bird Atlas	\$20,000	Peter Davidson 604-940-4696
This project will provide detailed new breeding bird population and distribution information to augment and complete the BC Breeding Bird Atlas, which will inform, enable and improve management and conservation of breeding birds and their habitats for recreational (hunting, falconry and viewing) and recovery purposes.		
Bat Inventory Methodology Development, Verification & Implementation	\$20,000	Purnima Govindarajulu 250-383-6262
To develop protocols for acoustic surveys for bats by netting, confirming identification by DNA analysis, recording echolocation calls for analysis, and developing a reference library of these calls.		
Monitoring & Restoring Degraded Habitat For Coexisting Species	\$35,210	Kym Welstead 604-582-5279
Rehabilitation of degraded habitat for red-legged frogs, western painted turtles, and cutthroat trout; identification of critical habitat features; implementation of conservation framework objectives; and climate change impact monitoring.		
Inventory & Long-Term Monitoring for Rana aurora & R. Pretiosa	\$14,560	Kym Welstead 604-582-5279
Concurrent inventory and monitoring of Red-legged frog (Blue-listed) and Oregon Spotted Frog (Red-listed) populations in targeted wetlands to monitor population trends and contribute to long-term Provincial amphibian monitoring project.		
Region Specific Amphibian Public Education for Northern BC	\$10,000	Purnima Govindarajulu 250-383-6262
A number of high priority Conservation Framework (CF) Goal 2 amphibians have extended northern distributions but are poorly known in these areas. This project will implement monitoring (CF priority action) as an essential step in guiding future conservation and management actions for these species.		

Biodiversity Plans Lead to Action on BC Farms & Ranches **\$40,000** **Sylvia von Schuckmann 250-387-9557**
 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 game species.

Vancouver Island

Vancouver Island Wetlands Management Program **\$25,000** **Dick Heath 250-751-3211**
 Develop and implement management, securement and enhancement plans for over 30 wetland conservation areas on Vancouver Island.

Operation & Maintenance – (Fish) Vancouver Island **\$17,425** **Scott Silvestri 250-751-3128**
 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.

Operation & Maintenance – (Wildlife) Vancouver Island **\$41,000** **Dick Heath 250-751-3211**
 This project assists MOE in meeting their safety, legal and land management obligations on more than 50 conservation areas on Vancouver Island. This work includes: signage, fencing, access restrictions, water control structures, weirs and dikes.

Roosevelt Elk Prescribed Burns **\$18,800** **Kim Brunt 250-751-3213**
 Prescribed fire will be used to enhance Roosevelt elk habitat, primarily spring and summer forage in areas of Vancouver Island with high habitat capability for this species.

Keogh River Steelhead Population Dynamics **\$100,000** **Bruce R. Ward 604-222-6753**
 BC's steelhead index system facilitating operation of the Keogh River fish fence during a critical period of steelhead conservation concern; evaluation of conservation hatchery and habitat restoration.

Tofino Mudflats Wildlife Stewardship Project **\$34,060** **Josie Osborne 250-725-2560**
 Educational activities to promote awareness, build stewardship skills and create enthusiasm and commitment among local residents for monitoring critical wildlife habitat and responsible use of the Tofino Mudflats Wildlife Management Area.

Cowichan Estuary – Eelgrass Restoration Project **\$25,475** **Erin Ward 250-746-0227**
 4000-6000 eelgrass shoots will be transplanted and past and new transplants monitored in the Cowichan Estuary. Eelgrass stewardship, protection and collaboration in the Cowichan region will be improved.

Fish Habitat Restoration Project Effectiveness Monitoring **\$22,970** **Kevin Pellett 250-716-8776**
 This project will significantly improve the quality and focus of post-construction effectiveness monitoring of habitat improvements. Post-construction effectiveness monitoring will allow for adaptive management in future projects.

ECVI Water Storage Feasibility **\$25,000** **James Craig 250-716-8776**
 In prioritized east coast Vancouver Island (ECVI) watersheds, feasibility assessments of potential stream flow improvement projects to support fish habitat will be continued by MOE/BCCF in partnership with DFO, FNs, Ducks Unlimited Canada and various stakeholders.

Millstone River Flow Improvement Implementation – Westwood Lake Storage Development Phase II **\$11,514** **James Craig 250-716-8776**

In partnership with the City of Nanaimo, DFO, and several community conservation groups, a small weir, 15 cm in height, will be licensed and constructed at the outlet of Nanaimo's Westwood Lake (headwaters of McNeil Creek). The weir will store ~94,000m³ of spring runoff for summer release to the Millstone River.

Strathcona Elk Winter Range Enhancement Monitoring **\$25,000** **Joe Materi 250-248-1918**

Follow-up monitoring of up to 13 sites treated to enhance winter/spring range for elk. Documentation of vegetation responses to treatments and elk utilization of sites.

Cowichan Lake Fish & Fishery Assessments & Operational Plan **\$27,590** **Tracy Michalski 250-751-3154**

This project will result in stock and fishery information and the production of an operational management plan aimed at ensuring long-term sustainable recreational angling opportunities and increasing angler participation at Cowichan Lake.

Vancouver Island Urban Lake Fishery Development/Improvement Program **\$5,000** **Scott Silvestri 250-751-3128**

This multi-year program (3 years) aims to increase angler participation on Vancouver Island by identifying and assisting with the implementing of projects that will create and/or enhance fishing opportunities on small lakes or ponds near urban centers.

Keogh Lake Storage Improvements Phase 2 **\$15,100** **James Craig 250-716-8776**

Following feasibility work in 2007/08, stream channel invert excavation is planned at the Keogh Lake weir near Port McNeill to allow access to licensed storage and improve summer base flows and fish production in the Keogh River.

Wetland Restoration at Haliburton Community Organic Farm to Enhance Wildlife Habitat **\$10,000** **Purnima Govindarajulu 250-383-6262**

The project will restore a degraded wetland to a functional vernal pond. Vernal ponds offer specialized habitat for native vertebrates and invertebrates that cannot co-exist with fish. The project conducted as a training workshop, will become a demonstration site for urban biodiversity enhancement techniques.

Millstream Watershed Good Neighbours **\$15,000** **Adam Taylor 250-995-2428**

The Millstream Watershed Good Neighbours project will enhance and protect one of Greater Victoria's most important watersheds through improved community stewardship and education.

Lower Mainland

Operation & Maintenance – (Wildlife) Lower Mainland **\$59,442** **Tom Blackbird 604-582-5391**

This project will assist with funding the operations and maintain of the globally significant 28,402 hectares of prime avian habitat located within 10 wildlife management areas in the Lower Mainland. The project also includes opportunities for public use and education within natural areas located within close proximity to BC largest population base.

Lower Mainland Roosevelt Elk Recovery **\$65,100** **Darryl Reynolds 604-885-7419**

Working with a variety of partners the project will 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.

City of Surrey's Salmon Habitat Restoration Program (SHARP)	\$18,200	Liana Ayach 604-591-4383
Sharp performs restoration work and delivers community outreach programs that directly and indirectly contributes to improving salmonid habitat within the City of Surrey. SHARP also provides youth with work experience in stewardship practices.		
Provision of Waterfowl & Raptor Habitat within Managed Grasslands on Lower Fraser River Farmland	\$25,000	Markus Merkens 604-940-3392
Under this project over 1,200 ha of agricultural grassland habitat on the Fraser River delta will be enhanced on private or leased lands through land stewardship agreements with farmers thereby benefiting internationally significant concentrations of waterfowl and raptors in the area.		
Goose Lake Reclamation Project	\$15,000	David O'Brien 604-888-1640
This project will continue to remove cattail vegetation along the Northwest border of Goose Lake. This reclamation project will increase habitat diversity in an important wildfowl habitat, and build on previous work sponsored by HCTF.		
The Brookwood/Fernridge Urban Wildlife Monitoring Project	\$19,998	Nichole Marples 604-514-4550
The project encourages landowners to become involved in wildlife habitat stewardship, contributes information about how wildlife adapt to a fragmented forested urban landscape, and will identify key habitat corridors and patches for conservation.		
Biodiversity Surveys to Identify Critical Sites for Wildlife Conservation on the Sunshine Coast	\$35,000	Michael Jackson 604-883-9853
Identification of critical wildlife sites for conservation purposes; prioritized list of wildlife habitat features and potential wildlife habitat area candidates; distribution of habitat-management recommendations to land managers and agencies; public outreach to foster support for conservation and enhancement initiatives.		
Greater Vancouver Learn to Fish Program	\$40,000	Brian Chan 250-371-6250
This project will inform and educate urban dwellers as to the social, environmental, economic and cultural benefits of freshwater angling, and increase appreciation and awareness of BC freshwater fish and ecosystems.		
Coquihalla River (Ladner Creek) Side Channel Habitat Restoration	\$19,000	Greg Wilson 604-582-5365
This project will create over 23000 square meters of off channel fish habitat in the Coquihalla watershed. The first phase of the project will be the construction of a mainstem intake and the excavation of material to create a channel. The second phase (2009) will add habitat complexity to the channel.		
Restoration Effectiveness Monitoring (Seymour, Silverhope, Alouette)	\$10,120	Kerry Baird 604-576-1433
This project will assess the biophysical (fish and habitat) effectiveness of several habitat restoration projects completed by the Steelhead Recovery/Living Rivers program in the lower mainland. Large woody debris habitat restoration projects funded by HCTF will also be reviewed as ongoing structural integrity monitoring.		
Fitzsimmons Creek Adult Bull Trout Utilization & Life History (Green Lake Bull Trout Population Evaluation & Spawner Habitat)	\$27,900	Don McCubbing 604-837-9870
This project will establish critical baseline data on Green Lake bull trout population densities, spawner migration behaviour and distribution as well as potential effects of ongoing urbanization on spawner success and juvenile rearing.		

Preliminary Engineering for Migratory Fish Passageway at Alouette – Alouette Dam Fish Ladder: Feasibility Study **\$14,375** **Shannon Harris 604-222-6764**

The goal is to lay groundwork for re-establishment of migratory fish runs to the Alouette Reservoir. The size and type of fish ladder, pump and ladder specifications, and approximate cost of the Alouette Dam fishway will be provided.

Grizzly Bear Abundance & Connectivity In the Toba Inlet Drainage **\$47,000** **Brent Gurd 604-582-5256**

DNA capture-recapture methods will be used to estimate the size, distribution and connectivity of the grizzly bear population in the Toba Inlet to inform conservation and management of the population.

Reversing Cultural Oligotrophication: Lower Mainland Stream Nutrient Enrichment **\$23,575** **Kerry Baird 604-576-1433**

To compensate for low ocean survival and low salmon escapement, aquatic fertilizer will be added to 7 Lower Mainland streams, with subsequent water chemistry, periphyton (chlorophyll a), and juvenile size-at-age monitoring, to improve freshwater conditions and increase ocean survival.

Seymour River Steelhead Radio Tracking & Escapement Determination **\$16,167** **Greg Wilson 604-582-5365**

Seymour River summer and winter run steelhead have declined dramatically since the early 1990s, which has triggered numerous population recovery activities. Accurate determination of escapement at this low level, using a mark/recapture approach, is required to determine an appropriate management plan.

North Cascades Wolverine Project **\$30,000** **Eric Lofroth 250-356-0244**

The objective of this project is to conduct scientific research on wolverines in the North Cascades Ranges to describe denning habitat, distribution, relative abundance and foraging ecology. This will contribute to improved recreation, land and prey habitat management.

Thompson/Nicola

Operation & Maintenance – (Fish) Headquarters **\$7,650** **Ted Down 250-387-9715**

Maintain fences, gates, cattle guard, dam on property and pay for hydro costs for lake aeration system.

Operation & Maintenance – (Fish) Thompson/Nicola **\$54,850** **Stephen Maricle 250-371-6253**

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 entire Thompson region.

Operation & Maintenance – (Wildlife) Thompson/Nicola **\$6,000** **Doug Jury 250-371-6264**

Maintenance and management of conservation lands and restricted areas to ensure public compliance with regulations, protection of natural resources, and enhanced enjoyment by the visiting public.

Operation & Maintenance – (Fish) Bonaparte **\$25,939** **Stephen Maricle 250-371-6253**

Operation and maintenance of the Bonaparte Fishway and the Bonaparte Lake Dam.

Region 3 Small Lakes Water Conservation Project **\$82,375** **Stephen Maricle 250-371-6253**

Planning and development of strategies for recovering or obtaining water conservation opportunities within the high priority watersheds in the Thompson Region.

- Recreational Sport-Fishing Conservation Through Management Of Spiny-Rayed Fishes** **\$483,700** **Andrew Klassen 250-371-6237**
 The overall objective of this project is to successfully eradicate spiny-ray fishes in nine lakes and restock with trout. In year 3 of the project the goal is to complete spiny-ray eradication in Forest and Nellies lakes, continue public education and development treatment plans for candidate lakes in 2009.
- Impacts of Pine Beetle Harvesting on Mule Deer Winter Range in the Merritt TSA** **\$14,800** **Greg van Rossum 250-378-5157**
 On July 1, 2005, an AAC uplift of 1 million m3 was approved for the Merritt TSA. A significant portion of the harvesting will occur in Mule Deer Winter Range. The Lower Nicola Indian Band propose to study the impacts of Mountain Pine beetle harvesting on wintering Mule Deer.
- South Thompson Bighorn Sheep Herd Health** **\$41,195** **Wendy Gardner 250-371-5570**
 This ongoing project examines habitat use by the South Thompson California bighorn sheep herd. The purpose of the study is to collect baseline data on the herd demographics, health, and habitat to generate proactive management guidelines.
- Interior Fraser Wild Steelhead Conservation** **\$62,000** **Robert G. Bison 250-371-6244**
 Escapement abundance monitoring for Thompson (Deadman, Nicola, Bonaparte) and Chilcotin steelhead.
- Shuswap Lake Rainbow & Lake Trout Stock Status & Their Recreational Fishing Potential** **\$103,000** **Ian McGregor 250-371-6252**
 Continue tagging rainbow trout and lake char in 2009/10, and conduct the angler questionnaire on the 2008-09 rainbow trout and lake char sport fishery to estimate angler effort and harvest and collect tag return data, estimate fishing mortality rate. Finalize project data and analysis and produce final report.
- Nicola Lake Kokanee, Burbot & Rainbow Trout Fish & Habitat Assessment & Conservation Plan** **\$15,000** **Ian McGregor 250-371-6252**
 To collect baseline data on critical habitat for key sport fish species in Nicola Lake, including kokanee, burbot and rainbow trout, and to assess juvenile and spawner abundance for these species. In 2009/2010 focus will be directed at estimating kokanee spawner numbers in the streams and along the shoreline, assessing habitat and identifying any limitations to production from lake shore developments, lake drawdown, and low stream flows. Ultimately a conservation plan will be produced for Nicola Lake to assist in the management of recreational fishing opportunities.
- An Investigation of Factors Influencing Angler Effort** **\$25,000** **Hillary Ward 778-838-1739**
 This study will identify mechanisms for creating diverse and sustainable angling opportunities and improve knowledge about the preference of various client groups. This allows management strategies to be implemented to relocate effort away from at-risk stocks by creating new fisheries targeted towards specific angling groups on current low effort lakes.
- Raft River Fish & Wildlife Enhancement** **\$4,760** **Warren MacLennan 250-674-2449**
 HCTF seed funding will allow hiring of a qualified professional to assist with preparation of an HCTF proposal for the 2010-2011 funding cycle. This expert involvement will help refine project costs and benefits to facilitate informed review of the proposal by technical experts.
- Predicting Current & Future Forest Use by Western Rattlesnake** **\$8,008** **Karl W. Larsen 250-828-5456**
 This project will determine the pattern of forest habitat use by rattlesnakes, and test the efficacy of a GIS-thermal mapping model in predicting these and other summer movements by snakes.

Landscapes of Young Forest: Implications for Mature-Forest Species	\$23,760	Karl W. Larsen 250-828-5456
This project will provide information and recommendations to inform landscape management plans, ensuring critical ecological processes characteristic of mature forests are maintained in landscapes composed of younger age classes.		
Wetlands Institute 2009 – Kamloops Wetland Restoration & Stewardship	\$18,050	Carolyn Anne Budgell 1-888-881-2293 X 232
The Wetlands Institute will restore and construct wetlands at 3-5 sites in Kamloops. Participants will learn about wetland ecology and assessment as well as hands-on skills to steward wetlands back in their own communities.		
Quality Waters Strategy Project Thompson River Guardian Program	\$24,860	Robert G. Bison 250-371-6244
River Guardians will patrol during times of fishery closure and will patrol and survey the steelhead fishery in the event of an opening to assist with fishery management and enforcement.		
Painted Turtle & Wetland Conservation On a Cattle Ranch	\$5,710	Peter Ballin 604-222-2354
The project will inventory and monitor populations and determine nest sites, timing, disturbance by cattle, hatchling emergence, migration routes between summer, winter and nest habitats, and underwater activity during early hibernation.		

Kootenay

Operation & Maintenance – (Fish) Kootenay	\$53,500	John Bell 250-354-6351
Operation and maintenance of three West Kootenay kokanee spawning channels and a rainbow trout rearing channel in the East Kootenay.		
West Kootenay Ungulate Habitat Enhancement	\$40,000	Garth Mowat 250-356-6341
This long-term project will restore openings in areas of the West Kootenay (WK) that were typically fire maintained. Most treatment will focus on the 5 areas in the WK that had the shortest fire return intervals.		
Operation & Maintenance – (Wild) Kootenay	\$35,530	Rob MacDonald 250-614-9909
Conduct maintenance, planning, monitoring, habitat protection, enhancement and restoration activities on conservation properties in the East Kootenay.		
Kootenay Lake Gerrard Rainbow Trout Conservation	\$34,000	Jeff Burrows 250-354-6928
Monitor the conservation status of Gerrard rainbow trout by enumerating spawner numbers, estimating harvest, and monitoring critical spawning habitat parameters.		
East Kootenay Grassland Ecosystem Restoration	\$170,000	Mike Gall 250-489-8540
Conduct prescribed burning and slashing/piling activities in fire maintained ecosystems to enhance habitats for wildlife dependent on open forest and grassland environments.		

- Noxious Weed Control on Bighorn Sheep Winter Range** **\$12,000** **Irene E. Teske 250-489-8551**
 To maintain the improved quality of bighorn sheep winter range by conducting an intensive and consistent invasive plant control program in the Wigwam Flats, Bull River and Columbia Lake East.
- Implementation of a Conservation Plan for Gerrard Rainbow Trout** **\$49,430** **Greg Andrusak 250-825-2729**
 Estimations of spring and fall standing stock of fry and parr in the Lardeau River and acoustic tagging of parr to determine age, size and timing of out-migration. These activities reflect the highest priorities of a 2005 conservation plan developed for Gerrard rainbow trout.
- East Kootenay Conservation Program** **\$30,000** **John Krebs 250-352-6874**
 EKCP is a partnership of over forty conservation, government and industry organizations dedicated to conserving natural areas for Kootenay communities. EKCP provides coordination and facilitation to support private-land conservation and stewardship.
- Creston Valley WMA Operations & Maintenance** **\$40,000** **Marc-Andre Beaucher 250-402-6907**
 The project will replace/repair and maintain ageing infrastructure or enhance existing wetland conditions.
- Kaslo River Bull Trout Electronic Fish Counter Enumeration** **\$14,550** **Greg Andrusak 250-825-2729**
 Determination of run timing and numbers of adfluvial bull trout spawners that utilize the Kaslo River. Project combines resistivity counter technology with conventional redd counts and radio telemetry.
- Trans-Border Grizzly Bear Project** **\$22,000** **Michael Proctor 250-353-7339**
 We will initiate recovery of the small fragmented and threatened south Selkirk and south Purcell/Yahk grizzly bear population by working to reduce excessive human-caused mortality, enhance inter-population connectivity, and improve habitat security through research, management, and education.
- South Rockies Grizzly Bear Inventory** **\$10,000** **Garth Mowat 250-356-6341**
 We will monitor the change in population size of the grizzly bear population in the southern Rocky Mountains of BC. This data will be used to estimate population size and measure the impact of hunter harvest on this population of bears.
- Elk Valley Mountain Sheep Movements** **\$65,500** **Irene E. Teske 250-489-8551**
 Radio collar 4 Rocky Mountain bighorn sheep with GPS collars to monitor population dynamics, movements and habitat use within 3 active coal mines. To date, coal mining activity has not disturbed prime high elevation grassland winter ranges but expansion is planned.
- Fishing & Natural Mortality of Gerrard Rainbow Trout** **\$69,532** **J.L. Thorley 250-352-6369**
 The project will determine the feasibility of catching, tagging and detecting sufficient numbers of adult Gerrard rainbow trout in Kootenay Lake to reliably estimate natural and fishing mortality which will aid management.
- East Kootenay Elk Monitoring Project** **\$25,000** **Tara Szkorupa 250-489-8553**
 We will assess the response of individual elk and the larger East Kootenay elk population to liberalized cow/calf hunts, focused on non migratory elk. We will then determine whether harvest is effectively reducing year-round elk pressure in low elevation habitats, where overgrazing and private land depredation is a concern.

Production, Utilization & Condition of East Kootenay Ungulate Winter Range Ecosystems (Rocky Mountain Trench Rangeland Assessment) **\$30,000** **Sue Crowley 250-342-4290**

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.

Kootenay Moose General Open Season Monitoring **\$45,000** **Tara Szkorupa 250-489-8553**

MoE's goal is to increase hunting opportunities for moose in the Kootenay Region while ensuring that a new harvest strategy is biologically sustainable and socially acceptable. This project will monitor changes in key moose population parameters and hunting opportunity associated with the new harvest strategy.

Mule Deer Population Composition Surveys **\$19,905** **Garth Mowatt 250-356-6341**

Collect information on mule deer sex and age ratios in the early winter while bucks still have antlers. Information will be used to determine the impact of hunter harvest on mule deer populations under different harvest regimes.

Quality Waters Strategy Project Kootenay Region **\$66,100** **Herb Tepper 250-489-8552**

River Guardian Program, Kootenay Regional Quality Waters Strategy.

Cariboo

Operation & Maintenance – (Fish) Cariboo **\$49,350** **Todd Gale 250-398-4555**

Operation and maintenance of Tete Angela diversion works. Maintenance of Cariboo/Chilcotin dams and weirs; aeration of four lakes; and fish passage restoration of base streams and other high priority streams as needed.

Operation & Maintenance – (Wildlife) Cariboo **\$5,800** **Joanne McLeod 250-398-4647**

In partnership with Nature Trust and Ducks Unlimited, this funding will be leveraged to provide a 4 person field crew to conduct projects and monitor three major TNT properties leased to the Ministry, one WMA and two other Conservation properties.

Wildlife & Vegetation Monitoring at the Horsefly River Riparian Conservation Area Monitoring & Evaluation Program **\$5,000** **Barry Booth 250-564-2064**

To develop an evaluation and monitoring plan to assess past work, to help guide future work and to help determine what intervention if any is required on any of the larger construction projects on this site.

Mid-Fraser River White Sturgeon Radio Telemetry Program **\$7,500** **Lee Williston 250-398-4258**

Identify critical habitats (e.g.; spawning, overwintering etc.), and areas to be protected from future development. Outline critical habitat features (e.g., spawning substrate). Identify key migration routes and migration timing.

Managing Ingrown Douglas-Fir for Biodiversity, Forage & Timber: The Farwell **\$6,500** **Harold Armleder 250-398-4407**

This project will re-measure innovative treatments to reduce high densities of small stems common in IDF to determine the effect on wildlife habitat and biodiversity.

Assessment & Control of Invasive Smallmouth Bass in the Beaver Creek/ Quesnel River Watersheds **\$30,000** **Tom Wilkinson 250-398-4553**

Barriers will be installed on three key tributaries in Beaver Creek watershed to prevent upstream movement of illegally introduced invasive smallmouth bass.

- Badger Movements & Habitat Use in the Cariboo** **\$21,750** **Karl W. Larsen 250-828-5456**
 Long-term benefits of this project are to contribute to the recovery of self-sustaining populations of badgers in BC. Results will be incorporated into prioritizing grassland restoration plans, which will benefit a range of game species.
- Cariboo Region Lake Trout Assessment** **\$6,500** **Lee Williston 250-398-4258**
 Estimate lake trout densities and key biological parameters (e.g.; size and age at maturity); establish angling regulations to protect lake trout while also maximizing opportunity; aid in development of provincial species management plan.
- Modelling Population Dynamics of the Itcha-Ilgachuz Caribou Herd** **\$16,000** **Felice Griffiths 778-834-8675**
 This project will model population dynamics of the Itcha-Ilgachuz caribou herd in west central BC to evaluate how potential removals from this herd for translocation will affect conservation objectives and hunting opportunities.
- Great Basin Spadefoot Ecology & Habitat Conservation Project** **\$20,000** **Roger Packham 250-395-7853**
 MOE with TRU, UBC, BCCC, FSP, and BCCC will conduct 2 years of field and lab studies to determine habitat use and genetic variability of spadefoots. This info will be used to identify and conserve important wetland and upland habitats.
- Hutchinson Lake Habitat Conservation Project** **\$26,000** **Roger Packham 250-395-7853**
 MOE in partnership with HSP, DU, MOFR and local ranger will build 7 km of fence to enhance 914 ha of wetlands, grasslands and forest to enhance 5 CF priority 1 species and 42 CF priority 2 species, 9 of which are hunted or trapped.
- Quality Waters Strategy Project – Mitchell River Angling Management Plan Development** **\$20,396** **Tyler Weir 250-398-4342**
 The project will involve collecting additional angler use information for the Mitchell River. After compiling 2009 and historic use data, stakeholder input will be sought culminating in the production of a current Angling Management Plan. This document will address stakeholder concerns and provide management direction for the Mitchell River.
- Quality Waters Strategy Project – Horsefly River Guardian** **\$11,865** **Tyler Weir 250-398-4342**
 The Horsefly River Guardian project will entail a comprehensive creel survey of the Horsefly River. Angler exploitation rates and biological information gathered will provide managers with important information regarding the current rainbow stock health and state of the sport fishery.
- Quality Waters Strategy Project – Quesnel River Angling Management Plan Development** **\$13,000** **Tyler Weir 250-398-4342**
 The project will involve a contract biologist compiling all relevant data for the Quesnel River, organizing stakeholder consultation, and production of a current Angling Management Plan. This document will address stakeholder concerns and provide management direction for the Quesnel River.
- Quality Waters Strategy Project – Dean River River Guardian Program** **\$40,000** **Tyler Weir 250-398-4342**
 The primary objectives of the program are to collect the necessary creel information to administer the Dean River Draw and implement the Dean River Angling Management Plan, and to collect biological information regarding Dean River steelhead stock status and fitness and to provide Ministry presence and enforcement.

Skeena

- Skeena Weirs & Steelhead Stock Assessment** **\$68,000** **Mark Beere 250-847-7297**
Operate a fish enumeration weir on the upper Sustut River for the 16th consecutive year to determine the escapement of wild summer steelhead to this system; the Sustut weir serves as an index stream for upper Skeena steelhead stocks.
- Effects of Mountain Pine Beetle Epidemic on Tweedsmuir-Entiako Caribou Habitat Use** **\$27,000** **Deborah Cichowski 250-877-7558**
Response of caribou to the mountain pine beetle epidemic will be assessed by monitoring radio-collared caribou and conducting ground investigations of winter habitat use and foraging habits.
- Burbot Abundance Assessment in Small Lakes** **\$47,230** **Joe De Gisi 250-847-7288**
This project will develop a non-lethal abundance assessment procedure for small (surface area <1000 ha) interior lakes of British Columbia.
- Genetic Assessment of Lake Babine Rainbow Trout for Diversity Conservation** **\$46,666** **Jeff Lough 250-847-7337**
We will evaluate the genetic biodiversity of Babine Lake rainbow trout, develop a baseline genetic database, identify distinct RBT stocks, determine the spatial composition of the harvest and make management recommendations.
- Chapman Lake Moose Winter Range Enhancement** **\$15,300** **Len Vanderstar 250-847-7326**
Manual felling of selective old willows to promote rigorous basal sprouting for moose forage while protecting existing song bird nesting habitat.
- River & Stream Icing Guidance Document For Water Power Projects** **\$19,139** **Chris Schell 250-847-7389**
This project will produce a guidance document regarding the impact of hydropower projects on winter ice and fish overwintering habitat, with the goal of having this issue dealt with more efficiently and effectively during review.
- Assessment of Lake Trout Population Abundance by Summer Profundal Index Netting** **\$18,500** **Joe De Gisi 250-847-7288**
Obtain accurate relative abundance and demographic data for 20 road-accessible lake trout populations in the Skeena and Nechako watersheds within Skeena Region, to improve interpretation of the status of the stocks and maintain quality angling opportunities.
- Quality Waters Strategy Project – Skeena Region** **\$140,000** **Dana Atagi 250-847-7346**
Design and deliver a process that would transparently allow the preparation of, the coordination of, and the implementation of the Quality Waters Strategy in the Skeena Region. Angling Management Plans (AMPs) are required for a number of priority waters in the Skeena watershed. The waters identified for priority planning are: Babine, Bulkley, Suskwa, Morice, Kispiox, Kitsumkalum, Kitseguencia, Kitwanga, Lakelse, Skeena IV (upstream of Kitwanga), Skeena IV (downstream of Kitwanga), and Zy I and Zytz II rivers.

Peace/Omineca

- Peace River Prescribed Burns** \$85,000 **Rob B. Woods 250-787-3285**
(South/North Peace Burning)
Year five of a five-year burning program to slow the loss of early seral plant communities in the northeast part of the province.
- Operation & Maintenance – (Fish)** \$33,200 **Gerry Leering 250-787-3294**
Peace Region
O&M of spawning channel at Inga Lake, educational programs for schools, winter aeration at Sundance Lake, weir maintenance at Stewart Lake, and fishway maintenance at Swan Lake.
- Operation & Maintenance – (Wildlife)** \$17,500 **Scott Fraser 250-787-3219**
Peace Region
Ensures site habitat protection (fence repairs, weed control and signage) and implementation of management plans on conservation lands.
- Status of Sharp-tailed Grouse in the Peace** \$15,000 **Alicia Goddard 250-787-3568**
Region
This project will continue to investigate the reproductive success and habitat use of sharp-tailed grouse populations occurring across the Peace River region. Field activities will promote stewardship with landowners industry and the community.
- Omineca-Peace Lake Trout Status &** \$37,220 **Ray Pillipow 250-614-9914**
Conservation Planning
Using SPIN stock assessment techniques, collect requisite lake trout life history and abundance information from unexploited and exploited lakes for the purpose of developing provincial harvest models and local management direction.
- Habitat Ecology & Population Demography** \$36,645 **Chris Johnson 250-960-5357**
Of River Otter in Central BC
This project will document the relationship between habitat and the distribution, demography and health of river otter in central BC. Inferences from those relationships will help us manage for the effects of changing environments.
- Fisher Habitat Ecology in the Peace River** \$15,000 **Eric Lofroth 250-356-0244**
The objective of this project is to conduct scientific research on fishers in the Peace River to determine natal denning requirements and identify other aspects of habitat ecology for incorporation into sustainable forest management.
- Fire Mop-Up** \$50,000 **Lisa Helmer 250-387-1159**
The Guide-Outfitters Association of BC (GOABC) receives these funds on a contingency basis to conduct post-fire mop up and completion activities in the Peace Region.
- Tupper Creek Bypass Fishway Stream** \$30,000 **Don Bourassa 250-782-7733**
This project will enhance fish populations in Swan Lake by providing fish passage upper Tupper Creek for spawning and fry-rearing. It will also reduce major erosion problems on Tupper Creek and siltation problems in Swan Lake.
- Stone's Sheep Ram Habitat Use, Sexual** \$108,575 **Pamela Hengeveld 250-997-3496**
Segregation & Sightability
This project will determine Stone's sheep ram habitat use using resource selection functions, quantify spatial segregation of rams and ewes, and develop a ram sightability correction factor for population estimation.
- Wood Bison Conservation & Management** \$22,336 **Conrad Thiessen 250-787-3287**
In NE BC
The project will collect information on wood bison habitat use and seasonal movements, measure the effectiveness of management efforts and develop management plans for the Nordquist and Etthithun bison herds. The overall goal is to reduce human/bison conflicts, and aid recovery of wood bison.

Improving Burbot Population Management With Two Northern Index Lakes **\$32,300** **Cory Williamson 250-614-9924**

Results from this project will improve our understanding of local burbot population dynamics. Knowledge gained will help maintain both sport and sustenance fisheries in the Omineca Region where threats such as the mountain pine beetle epidemic and high fishing effort call for intensive fishery management.

Re-building the Hart Lake Fish Barrier/Weir **\$3,600** **Cory Williamson 250-614-924**

The project will replace the coarse fish barrier at the outlet of Hart Lake, which is now 25 years old.

Wolf Movements in Relation to Roads & Corridors on Caribou Range **\$10,500** **Dale Seip 250-565-4124**

The purpose of this project is to determine if roads, corridors and forest harvesting facilitate movements of wolves into caribou habitat. Information will be used to develop management recommendations within caribou recovery plans.

Okanagan

SOSCP Habitat Stewardship (SOCS Stewardship on Private Land) **\$45,000** **Lucy Reiss 250-492-0173**

This project will increase the amount of private land in the South Okanagan Similkameen area that is maintained and ultimately protected as functional habitat for wildlife species at risk.

Operation & Maintenance – (Fish) Okanagan **\$65,350** **Steve Matthews 250-490-8243**

Operation and maintenance of HCTF funded fisheries projects throughout the Okanagan region.

Operation & Maintenance – (Wildlife) Okanagan **\$40,000** **Rose Gunoff 250-490-8200**

Critical land management activities on conservation holdings in the South Okanagan will include: restoration; invasive species management; fencing installation/maintenance; signage; and safety issues.

South Okanagan Ranchland Conservation Project **\$12,000** **Rose Gunoff 250-490-8200**

To support further implementation of HCTF-funded Management Plans on two Biodiversity Ranches in the South Okanagan.

Mabel Lake Rainbow Trout Stock Status & Maintaining Recreational Angling Opportunities **\$50,960** **Paul Askey 250-490-8267**

Maintain access to the Mabel Lake fishery by determining the stock status and exploitation rates of the rainbow trout population. This information is required to determine if management interventions are required to maintain this fishery.

Kettle River Fish Habitat Restoration: Rebuilding Angling Opportunities **\$52,196** **Paul Askey 250-490-8267**

Creation of deep pool forming habitat, using LWD placement, primarily for sub-adult and adult fluvial rainbow trout in the mid Kettle River near Midway BC.

Mission Creek Habitat Restoration Coordinator **\$17,813** **Tara White 250-490-2287**

Retain a coordinator to facilitate a major restoration project on the most important fish producing tributary to Okanagan Lake.

**Priority Management & Conservation of
Okanagan Region Kokanee** **\$22,000**

Paul Askey 250-490-8267

The project will focus on establishing sustainable exploitation rates on Wood Lake (Okanagan Region's top fishery) as well as developing key stock assessment tools for managing all the main valley lakes.

**Initial Scoping Towards Improving Christina
Lake Rainbow Trout Fishing** **\$8,500**

Paul Askey 250-490-8267

This pilot project is aimed at confirming presence and extent of spawning rainbow trout in 2 key tributaries to Christina Lake. Visual spawner surveys will determine if the two streams are suitable for resistivity counter or fish fence.



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