

2015 - 2016 FWCP-Coastal Region Grant-based Fish Projects							
#	Project Title*	Project Description	Watershed	Project Lead	FWCP Contribution	Aligns with FWCP Action Plan	Project Type
1	Monitoring the migration of O.nerka (kokanee/sockeye) from the Alouette Reservoir in 2015	Assessment of the run timing and abundance of the 2015 sockeye out-migration from Alouette Reservoir into the South Alouette River during the spring surface-release period at Alouette Dam spillway from mid-April to the end of May.	Alouette	Katzie First Nation	\$ 62,338.00	Salmonid Plan	Research and Information
2	Mud Creek Sediment Pond Reactivation for 2015	Address the issue of the Mud Creek sediment pond, which collects debris (e.g. fines, and small gravels, etc.) from Mud Creek, which flows down from the west-facing side of Blue Mountain and into the South Alouette River.	Alouette	Alouette River Management Society	\$ 34,262.25	Salmonid Plan	Habitat Based / Monitoring and Evaluation
3	Alouette Sockeye Adult Enumeration Project (Bridging Year for 2015)	Build on the data that has been collected from the BC Hydro Alouette Dam Water Use Plan and continue to support work related to fish passage. This year work includes trapping, enumerating, and sampling returning adult sockeye salmon, as well as trucking in and transferring sockeye into Alouette Reservoir.	Alouette	Alouette River Management Society	\$ 16,354.47	Salmonid Plan	Research and Information
4	Experimental Release of Hatchery-Reared Sea-Run Kokanee into Alouette Reservoir to Evaluate the Feasibility of Re-establishing Sockeye Salmon	Advance the objective of restoring an anadromous sockeye run by both increasing the total number of sea-run smolts, and allowing controlled investigation of the poor spawning success of sea-run adults transplanted back into Alouette Reservoir.	Alouette	Alouette River Management Society	\$ 40,000.00	Salmonid Plan	Research and Information / Monitoring and Evaluation
5	Elk Falls Canyon Spawning Gravel Delivery System	Provide an effective alternative to helicopter gravel placements in Elk Falls Canyon. Recent construction of a bridge at the site has inhibited the potential helicopter use and a land-based system will provide certainty to future placements and is expected to lower the cost per unit of gravel delivered to the river.	Campbell River	British Columbia Conservation Foundation	\$ 70,000.00	Salmonid Plan	Habitat Based
6	Notch Connector Intake and Flood Control Structure (Evans Creek Re-watering Phase 3)	Expand upon previous habitat restoration projects in the Dave Marshall Salmon Reserve adjacent to the Cheakamus River. The project will create spawning and rearing habitats that will be utilized by coho, chinook, pink and chum salmon as well as cutthroat and steelhead trout.	Cheakamus	Squamish River Watershed Society	\$ 122,546.00	Salmonid Plan	Habitat Based
7	Central Estuary Brownfield Restoration Project (former WestBarr Log Sort)	Restore a former log sort yard back into functional estuarine habitat through re-grading of the site to create a natural tidal-influenced wetland salt marsh.	Cheakamus	Squamish River Watershed Society	\$ 69,436.00	Salmonid Plan	Habitat Based
8	Sockeye Restoration in the Coquitlam Reservoir using Hatchery Intervention	Application of hatchery intervention to increase the number of sockeye smolts that are leaving Coquitlam Reservoir resulting in an increase of adult sockeye returning to the Reservoir.	Coquitlam	Watershed Watch Salmon Society	\$ 40,000.00	Salmonid Plan; and Fish Passage Framework.	Research and Information / Species Based / Habitat Based
9	Evaluation of Coquitlam Reservoir Conditions for Outmigration of Sockeye Smolts	Evaluate the distribution of kokanee smolts, both horizontally and vertically, within Coquitlam Reservoir in the weeks prior to, and early into, the migration of sockeye smolts (March and April) using hydroacoustic surveys.	Coquitlam	Watershed Watch Salmon Society	\$ 51,335.00	Salmonid Plan; and Fish Passage Framework	Research and Information / Species Based / Habitat Based
10	Assessment of Groundwater and Tributary Sources for the Jordan River Sidechannel	Assess the channel substrate, seasonal subsurface flows and water quality within the Jordan River Sidechannel; quantify the discharge of the three identified tributaries; and conduct a flow diversion study.	Jordan	Pacheedaht First Nation	\$ 40,748.95	Small Basin Plan; Jordan Watershed Plan	Species Based / Habitat Based / Monitoring and Evaluation
11	DNA analysis of Puntledge Summer Chinook	Examine the influences of both parental characteristics (migration timing, BKD infection load) and release group/strategy on survival in those programs. This will help hatchery protocols to maintain the genetic distinction between the two chinook stocks, and manage BKD such that the summer Chinook population will continue to recover.	Puntledge	K'ómoks First Nation	\$ 34,449.80	Riparian and Wetlands Plan, Salmonid Plan	Species Based

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#	Project Title*	Project Description	Watershed	Project Lead	FWCP Contribution	Aligns with FWCP Action Plan	Project Type
12	Morrison Creek Fish Barrier Remediation	Remediate two barriers to fish movement in Morrison Creek in the Puntledge River watershed (the 2nd Street wooden weir in Courtenay and the perched culvert under Comox Logging Road), and help improve the function of the ecosystem for all who depend on Morrison Creek to breed, feed and grow.	Puntledge	Current Environmental Ltd	\$ 29,571.74	Salmonid Plan	Species Based
13	Courtenay Airpark Lagoon Dike Breach	Improve the health and ecological function of the K'ómoks estuary, by improving habitat complexity, water quality and fish access in a key intertidal habitat.	Puntledge	Comox Valley Project Watershed Society	\$ 106,550.40	Salmonid Plan	Habitat Based
14	Stave River Watershed - Restoring Salmon Spawning, Rearing and Overwintering Habitat	Increase the viable off-channel habitat for resident and anadromous salmon rearing and overwintering in the Stave River Watershed.	Stave River	Fraser Valley Watersheds Coalition	\$ 48,466.00	Salmonid Plan	Species Based / Habitat Based
15	Feasibility for Assessing Fish Entrainment at Wilsey Dam	Determine the bathymetric profile and flow rates above Wilsey Dam and test multiple acoustic technologies for estimating entrainment of juvenile salmon through the dam. The long-term goal of the project, is to establish safe fish passage through the dam.	Shuswap	Whitevalley Community Resource Centre Society	\$ 59,398.00	Salmonid Plan	Research and Information
16	Gates Creek Salmon Project	Assess the production of sockeye and coho including the specific contribution of the spawning channel in D'Arcy, and assess coho and bull trout habitat on Gates Creek. Also improve technical ability of N'Quat'qua fisheries technicians and build capacity for the continued rebuilding and management of Gates Creek.	Seton	Lillooet Tribal Council	\$ 100,000.00	Salmonid Plan	Research and Information / Species Based / Monitoring and Evaluation
FISH GRANT-BASED TOTAL					\$ 925,456.61		

2015 - 2016 FWCP-Coastal Region Grant-based Wildlife Projects							
#	Project Title*	Project Description	Watershed	Project Lead	FWCP Contribution	Aligns with FWCP Action Plan	Project Type
17	Identify, Conserve and Restore Populations of Priority Species-at-Risk and their Associated Habitats Within the Alouette River Watershed	Identify, protect, monitor and restore species at risk and their habitats in the Alouette River watershed. Benefits to overall biodiversity in the watershed will be observed through multiple species and stakeholder habitat management planning and restoration.	Alouette	British Columbia Conservation Foundation	\$ 41,194.90	Salmonid Plan	Research and Information / Species Based / Habitat Based / Monitoring and Evaluation
18	Grizzly Bear Habitat Selection within the South Chilcotin GBPU	Provide continuity with existing expert habitat modelling and provide important baseline information in regard to seasonal movement that will facilitate improved habitat management and ultimately perpetuate into the persistence of a viable grizzly bear population in the South Chilcotin.	Bridge	Francis Iredale, FLNRO	\$ 85,100.00	Species of Interest Plan	Research and Information / Species Based
19	Ecosystem Services in the Bridge-Seton Watersheds	Conduct a preliminary assessment of ecosystem services in the Bridge-Seton watersheds, and to assess the feasibility of developing a baseline inventory of impacts related to hydroelectric activities.	Bridge	Coldstream Ecology, Ltd.	\$ 4,999.00	Habitat, Species and Salmonid Plans	Species Based / Habitat Based
20	Wolverine Inventory and Conservation in the southern Coast Mountains	Provide information on the distribution, abundance, and composition of wolverines across the southern Coast Mountains - data needed to begin to effectively address threats and know where to best implement conservation actions for this important population of wolverines.	Bridge	BC MOE	\$ 57,162.50	Species of Interest Plan	Research and Information
21	Bridge River Watershed Fisher Artificial Reproductive Den Box Study	Determine if artificial den boxes will be used by reproductive fishers (or other wildlife), the extent to which these devices will mitigate losses of natural denning habitat, and to provide a science-based mitigation technique to address the loss of fisher habitat.	Bridge	Davis Environmental Ltd	\$ 40,900.00	Species of Interest Plan	Species Based / Monitoring and Evaluation

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#	Project Title*	Project Description	Watershed	Project Lead	FWCP Contribution	Aligns with FWCP Action Plan	Project Type
22	Assessment and Restoration of Mountain Goat Population in Shulaps Mountains	This project will develop a plan for the assessment and restoration of Goat populations in Shulaps Mountains. The plan will be developed in collaboration with Provincial biologists and regional First Nations.	Bridge	Bridge River Valley Wilderness Training and Stewardship Society	\$ 3,600.00	Species of Interest Action Plan	Species Based
23	Five-Year Restoration of the Lillooet Sub-Population of Spotted Owl in British Columbia	Restoration of the spotted owl population within the northern extent of the Lillooet sub-population. Inventories will be conducted to find and protect the few remaining spotted owls in the area; releasing captive-raised spotted owls back into habitats protected for the species; and increase the abundance of spotted owl prey populations.	Bridge	MFLNRO	\$ 31,410.10	Species of Interest Plan	Species Based
24	VI Marmot - Buttle Lake Supplementation and Monitoring	Build on the success of the 2012-2014 translocation trials by increasing the robustness, density, and distribution of marmot colonies in the Buttle Lake area, and by gathering data to help evaluate the influence of experience in longer-term survival and reproduction of Vancouver Island marmots in this region.	Campbell River	Marmot Recovery Foundation	\$ 50,000.00	Salmonid Plan	Research and Information / Species Based / Monitoring and Evaluation
25	Creation of Black Bear Dens in the Campbell River Watershed	Enhance the supply of dens for black bears by installing artificial structures (e.g. culverts or molded dens) in areas dominated by second growth forests (the Sayward burn) that may lack suitable natural den structures.	Campbell River	Artemis Wildlife Consultants	\$ 6,943.35	Campbell River Watershed Plan	Habitat Based
26	Western Screech-owl Habitat Enhancement and Inventory	Enhance the existing nest box program with particular emphasis on wetlands in upper Campbell Reservoir and work with private landowner (TimberWest) to install nest boxes in Quinsam and Heber areas; with the focus on forest buffers and corridors adjacent to riparian areas and wetlands.	Campbell River	Madrone Environmental Services Ltd	\$ 27,360.00	Species of Interest Plan	Research and Information / Species Based / Habitat Based / Monitoring and Evaluation
27	Surveys of Species-at-Risk and their Associated Habitats in the Clowholm Watershed - Year 3	Assess and map wetlands and undertake comprehensive surveys of species-at-risk and their habitat within the Clowholm Watershed. Develop and implement comprehensive, multi-species habitat restoration and enhancement plans that will mitigate direct threats to populations, as well as increase and improve habitat in the Clowholm Basin.	Clowholm	Halcyon Professional Services	\$ 75,000.00	Clowholm Watershed Plan	Research and Information / Species Based / Habitat Based / Monitoring and Evaluation
28	Development of a Roosevelt Elk Habitat Model for the South Coast	Develop habitat capability and suitability maps for Roosevelt elk in the Clowholm watershed that identify critical winter range and spring/summer forage habitat. This will help guide habitat protection and enhancement for Elk and other riparian/wetland-dependent species in the watershed. Also expand the model to other parts of the South Coast to support Roosevelt Elk habitat management across the region.	Clowholm	Madrone Environmental Services Ltd	\$ 15,000.00	Clowholm Watershed Plan	Research and Information / Species Based
29	Coquitlam River Riparian Planting – Maintenance Year 3	Mow and clip reed canary grass around previous plantings to allow the trees and shrubs to continue to compete with the grass, and to speed up the process of shading out the grass. The ultimate goal is to re-establish a healthy riparian forest that eliminates the reed canary grass, and that provides improved fish and wildlife habitat.	Coquitlam	Watershed Watch Salmon Society / Kwikwetlem First Nation	\$ 8,783.50	Riparian and Wetlands Plan	Habitat Based
30	Species-at-Risk in the Coquitlam River and Buntzen Lake Watersheds	Recover targeted species-at-risk in the Coquitlam River and Buntzen Lake watersheds through outreach of best management practices, improved occurrence data and habitat protection through landowner contact, restoration and impact mitigation actions.	Coquitlam	British Columbia Conservation Foundation	\$ 37,570.00	Species of Interest Plan	Species Based

2015 - 2016 FWCP-Coastal Region Grant-based Wildlife Projects (cont'd)							
#	Project Title*	Project Description	Watershed	Project Lead	FWCP Contribution	Aligns with FWCP Action Plan	Project Type
31	Creation of Black Bear Dens in the Jordan River Watershed	Create black bear dens by enhancing natural structures (e.g. creating entrances in hollow trees and stumps) and by installing artificial structures (e.g. modified culverts or molded dens). Previously-installed structures will be evaluated to help build the knowledge base.	Jordan	Artemis Wildlife Consultants	\$ 47,575.23	Jordan Watershed Plan	Habitat Based
32	Species-at-Risk Conservation in the Stave River Watershed	Identify, protect, monitor and restore species-at-risk and their habitats in the Stave River Watershed. Overall biodiversity in the Watershed will be observed through multiple species and stakeholder habitat management planning and restoration.	Stave River	Athene Ecological	\$ 49,998.40	Stave Watershed; Riparian and Wetlands; and Species of Interest Plans	Research and Information / Species Based / Habitat Based / Monitoring and Evaluation
33	South Monashee Caribou Census	Improve knowledge on the status and location of mountain caribou in the upper Shuswap River watershed, and build Splitsin First Nation capacity and experience. This project will supplement ongoing efforts to restore mountain caribou populations in the area and provide critical information for future restoration strategies and decision-making.	Shuswap	Spaltsin	\$ 21,526.27	Species of Interest Plan	Research and Information
34	Seton River Corridor Conservation and Restoration Project - Phase 3b	Engage the disparate stakeholders within the project footprint to facilitate the development and implementation of a Seton River Corridor Conservation and Restoration Plan, with the aim of enhancing and increasing fish and wildlife habitat, with a focus on species-at-risk, within a highly impacted valley.	Seton	Splitrock Environmental	\$ 70,000.00	Salmonid; Riparian and Wetlands; Species of Interest Plans	Research and Information / Species Based / Habitat Based / Monitoring and Evaluation
35	Whitebark Pine Restoration - Year 2	Year two of a multi-year project to collect whitebark pine seed, prioritize restoration sites, and implement restoration plantings. The goals include the identification of white pine blister rust levels in the region, and Identification and prioritization of whitebark pine restoration sites in the region.	Seton	Keefer Ecological Services Ltd.	\$ 14,785.00	Species of Interest Plan	Research and Information / Species Based / Habitat Based
36	Powerhouse Foreshore Restoration Project - Maintenance Program	Removal of invasive plant species that threaten to impact on the successful restoration work that has taken place to-date at the Lillooet Powerhouse foreshore; remove encroaching sage stands and revegetate with native bunchgrasses and shrubs, thereby encouraging strong ecological communities; and monitor the revegetation efforts that have taken place on the site to-date.	Seton	Splitrock Environmental	\$ 20,000.00	Bridge-Seton Watershed Plan; and Species of Interest Plan	Research and Information / Species Based / Habitat Based / Monitoring and Evaluation
37	LRISS Aquatic Invasives Project	This project will inventory riparian and wetland areas for invasive species that can lower the productivity of these sites. The inventory will gather the necessary information to produce treatment recommendations to remove the invasives and restore the site.	Seton	Lillooet Regional Invasive Species Society	\$ 10,000.00	Riparian and Wetlands Plan	Habitat Based / Monitoring and Evaluation
WILDLIFE GRANT-BASED TOTAL					\$ 718,908.25		

2015 - 2016 FWCP-Coastal Region Grant-based Land Securement Projects							
#	Project Title*	Project Description	Watershed	Project Lead	FWCP Contribution	Aligns with FWCP Action Plan	Project Type
38	Perseverance Creek Wetland and Riparian Land Securement	Offer long-term protection for riparian, wetland, and salmonid habitats that have been identified as limited and threatened in the Puntledge River watershed. It will lead to improved outcomes for both wildlife and aquatic species.	Puntledge	Cumberland Community Forest Society	\$ 220,000.00	Riparian and Wetlands Plan, and Salmonid Plan	Species Based / Habitat Based
LAND ACQUISITION GRANT-BASED TOTAL					\$ 220,000.00		
TOTAL GRANT-BASED PROJECTS					\$ 1,864,364.86		

2015 - 2016 FWCP-Coastal Directed Projects							
#	Project Title*	Project Description	Watershed	Project Lead	FWCP Contribution	Aligns with FWCP Action Plan	Project Type
39	Puntledge Hatchery Operations	The project supports the enhancement activities related to the Puntledge River summer-run chinook. This run is unique and has been identified as a stock of concern. Difficulties obtaining sufficient adult returns to supply an adequate number of eggs have resulted in juvenile release targets not being realized to-date. The overall goal of the program is to improve survival to achieve a self-sustaining run of approximately 3500 adult spawners.	Puntledge	Department of Fisheries and Oceans	\$ 17,000.00	Puntledge Salmonid Plan	Species Based
40	Puntledge Chinook Evaluation	The project will determine the proportion of emergent summer action look fry that migrate downstream over the diversion dam at a specific turbine discharge, and whether the overall survival of fry over the dam or passage at the Eicher screens can be maintained at 90 per cent or above throughout the downstream migration period. Year four of a four-year project.	Puntledge	Department of Fisheries and Oceans	\$ 79,000.00	Puntledge Salmonid Plan	Inventory and Monitoring
41	Puntledge Chinook Assessment	The Department of Fisheries and Ocean's (DFO) new hatchery production strategy will now focus on replicating the historic behaviour and life-cycle of summer chinook. By releasing summer Chinook hatchery smolts in Comox Lake, DFO anticipates that juveniles will imprint on the lake and thus will migrate back to the lake where they will have the greatest chance of survival. Year five of a five-year project.	Puntledge	Department of Fisheries and Oceans	\$ 33,611.00	Puntledge Salmonid Plan	Research and Information; Species Based; and Monitoring and Evaluation
Total Directed Projects					\$ 129,611.00		
TOTAL - ALL F16 FISH AND WILDLIFE PROJECTS					\$ 1,993,975.86		

*Note: some projects have one or more conditions that must be met prior to the start of the project.

REVISED: April 24, 2015