

**FWCP Columbia Region
2016-17 Fish and Wildlife Project Summary**

Project ID	2016-17 FWCP Columbia Region Grant-Based Fish Projects		Sub-Region	Project Lead	FWCP Funding	Action Plan Alignment	Project Type
1 COL-F17-F-1376	Planning for Ecosystem Enhancement Projects Near Revelstoke	Mid-Columbia Ecosystem Enhancement Projects: This is an applied research project that will create a background summary, map and catalogue, describing potential ecosystem enhancement projects that could offset ecosystem impacts from hydro dam construction and operation in the Revelstoke area, from Shelter Bay to Mica Dam. The project will also foster partnerships between community groups, First Nations, and other interested individuals to cooperatively implement these projects over time.	North Columbia, from Shelter Bay to Mica Dam	Mountain Labyrinths Resource Management Consulting Inc.	\$10,770.00	Riparian and Wetlands Action Plan	Research & Informaiton Acquisition
2 COL-F17-F-1450	Improving Spawning Habitat in Deer Creek	Deer Creek Drawdown Zone Fish Habitat Enhancement: Year 2: The goals of this project are to enhance and improve fish habitat in Deer Creek, especially in the drawdown zone as affected by water management on Arrow Lakes Reservoir.	West Kootenay, Deer Park	Okanagan Nation Alliance	\$43,299.00	Streams Action Plan	Habitat-Based Actions
3 COL-F17-F-1200	Studying Gerrard Rainbow Trout in Lardeau River	Gerrard Rainbow Trout Stock Productivity at Low Abundance: This project will get recruitment information at low stock abundance, which is critical in defining important biological reference points for conservation and management of Gerrard Rainbow Trout on Kootenay Lake. The data will provide important information on the maximum reproductive rate, which can only be obtained when stock abundance is low.	West Kootenay, Duncan River	Redfish Consulting Ltd.	\$13,820.65	Large Lakes Action Plan	Research & Informaiton Acquisition
4 COL-F17-F-1456	Eagle Creek: Taking Steps Towards Improved Fish Passage and Connectivity	Eagle Creek Connectivity/Enhancement Feasibility Study: The objective of this project is to determine the feasibility of a fish habitat enhancement and connectivity project at Eagle Creek near Edgewood that could benefit Kokanee, Rainbow and/or Bull Trout.	West Kootenay, Eagle Creek, near Edgewood	Okanagan Nation Alliance	\$6,970.00	Streams Action Plan	Research & Informaiton Acquisition
5 COL-F17-F-1400	Improving Fish Passage and Habitat at Heart Creek	Heart Creek Fish Passage Improvements: Phase 2: Continuing on the success achieved with construction of the Heart Creek clear span bridge in removing the first fish barrier on Heart Creek, this project moves to Phase 2, to remove a second barrier on Applegrove Road. By removing this second barrier, 1.2 kilometres of fish habitat will be opened up in perpetuity, benefitting Kokanee, Rainbow Trout and Bull Trout.	West Kootenay, Heart Creek, Fauquier	Ministry of Transportation and Infrastructure	\$20,000.00	Streams Action Plan	Habitat-Based Actions
6 COL-F17-F-1344	Improving Spawning Habitat for Rainbow Trout at Murphy Creek	Murphy Creek Rainbow Trout Spawning Channel Maintenance : This project is intended to improve spawning and rearing success for Rainbow Trout in the spawning side channel situated on Murphy Creek, which is a tributary of the lower Columbia River that provides important Rainbow Trout rearing habitat. It involves removing accumulated sediment, raking existing spawning gravels, and adding additional gravels and appropriate instream features, such as rocks and woody structures.	West Kootenay, Murphy Creek	Trail Wildlife Association	\$10,152.00	Streams Action Plan	Species-Based Actions
7 COL-F17-F-1410	Nutrient Restortion for Bull Trout and Rainbow Trout	Qua/Curtis Crystal Green Nutrient Restoration Preparation: This project aims to assess baseline productivity and to evaluate the systems as candidates for nutrient restoration using Ostara's Crystal Green pellet solid fertilizer additions. These pellets help augment fry growth, abundance, and productivity by enhancing the stream's algal and invertebrate communities.	West Kootenay, Qua and Curtis Creeks near Salmo	Salmo Watershed Streamkeepers Society	\$40,758.14	Streams Action Plan	Research & Informaiton Acquisition
8 COL-F17-F-1301	Improving Nutrients for Bull Trout in Salmo River Watershed	Sheep Creek Fertilization: The Food for Fish Enhancement Project: The Sheep Creek Fertilization Project uses liquid agricultural fertilizer, phosphate/nitrate, to provide a nutrient base for food web enhancement. The project has been successful in creating more and larger Bull Trout.	West Kootenay, Sheep Creek	Salmo Watershed Streamkeepers Society	\$34,053.42	Streams Action Plan	Habitat-Based Actions
9 COL-F17-F-1280	Improving Bull Trout Estimates at Slocan Lake	Slocan Lake Bull Trout Redd Counts 2016: This project will undertake a Bull Trout redd count survey in all of the Slocan Lake tributaries in 2016. The goal is to estimate Bull Trout spawner distribution and abundance within Slocan Lake over a three-year period (2014 to 2016).	West Kootenay, Slocan Lake	Mountain Water Research	\$24,490.00	Large Lakes Action Plan	Research & Informaiton Acquisition

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10 COL-F17-F-1204	Protecting Our Waters from Aquatic Invasive Species Protecting Our Waters From Aquatic Invasive Species: Phase 3: This project aims to ensure productive and biologically diverse aquatic ecosystems within the Central and West Kootenay region.	West Kootenay, throughout entire region of RDCK, and select areas within RDBK.	Central Kootenay Invasive Species Society	\$28,500.00	Large Lakes Action Plan	Research & Informaiton Acquisition
11 COL-F17-F-1194	Assessing Bull Trout in Whatshan Reservoir Whatshan Reservoir Bull Trout Risk Assessment: This project will gather information on the distribution and abundance of Bull Trout by undertaking a risk assessment to determine and identify imminent threats to population decline and recovery for Blue-Listed Bull Trout in Whatshan Reservoir.	West Kootenay, Whatshan Reservoir	Redfish Consulting Ltd.	\$11,284.12	Large Lakes Action Plan	Species-Based Actions
Grant-Based Fish Project Total:				\$244,097.33		

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12 COL-F17-W-1407	Wetland Stewardship & Restoration in the Kootenays Advancing Wetland Stewardship & Restoration in the Kootenays: The BC Wildlife Federation (BCWF) will build the capacity of Columbia Basin residents to protect, conserve, and restore wetlands through the delivery of four workshops. BCWF will also host two wetland restorations with accompanying educational sessions (Meadow Creek and Mayook Station). 2016 projects will provide support towards four of the FWCP's six Riparian and Wetland Action Plan Focal Areas: Upper Columbia Valley, Elk Valley, Slocan, and Duncan/Lardeau/Revelstoke Valley, and will also provide opportunities to act upon identified needs and site-prescriptions that resulted from the 2015 activities.	Basin-Wide	British Columbia Wildlife Federation	\$66,000.00	Riparian and Wetlands Action Plan	Habitat-Based Actions
13 COL-F17-W-1427	Invasive Plant Management & Restoration of Protected Areas Invasive Plant Management & Restoration of Protected Areas: This program aims to retain functional and sustainable ecosystems in protected areas of the Upper Columbia Valley by mitigating the impacts of invasive species. Benefits include the reduction of propagule pressure (number of individuals of a species released into a region to which they are not native) from neighbouring invasive species populations; wildlife habitat conservation; long-term cost-savings through collaborative invasive species management action; and restoration of degraded areas with native plant species.	East Kootenay	East Kootenay Invasive Plant Council	\$13,999.46	Upland and Dryland Action Plan	Habitat-Based Actions
14 COL-F17-W-1219	Nesting Boxes Increase Habitat for At-Risk Lewis's Woodpecker Lewis's Woodpecker Nesting Box: The Lake Windermere District Rod and Gun Club is constructing and placing nesting boxes for the at-risk Lewis's Woodpecker within its historical range in the Invermere area. The project will lead to an increase and/or replacement of cavity nesting bird habitat.	East Kootenay, Invermere	Lake Windermere District Rod and Gun Club	\$3,164.00	Species of Interest Action Plan	Habitat-Based Actions
15 COL-F17-W-1214	Supporting At-Risk Great Blue Heron in the North Columbia North Columbia Great Blue Heron Inventory and Stewardship: This project will provide new information on Great Blue Heron breeding habitat use in the North Columbia Region, and promote habitat stewardship and securement actions targeting Blue-Listed herons throughout the Columbia Basin. The North Columbia has never been surveyed for herons, therefore, this project is expected to provide a first breeding population estimate for that region, and the Basin as a whole.	North Columbia	Pandion Ecological Research Ltd.	\$20,000.00	Species of Interest Action Plan	Research & Informaiton Acquisition
16 COL-F17-W-1195	Increasing Nesting Habitat for Loons in Bush Arm and Staubert Lake Nest Platforms for Loons in Bush Arm and Staubert Lake: Common Loon (<i>Gavia immer</i>) populations have been facing increasing threats due to habitat loss. This project enhances loon habitat through providing floating nest platforms that will help to increase nest success.	North Columbia, Bush Arm and Staubert Lake.	Kingbird Biological Consultants Ltd.	\$18,685.72	Small Lakes Action Plan	Habitat-Based Actions
17 COL-F17-W-1397	Creating Wetland Habitats in Kinbasket Reservoir Creating Wetland Habitats in the Kinbasket Reservoir Area: Extensive wetlands were lost when the Kinbasket Reservoir area was flooded. There are options for creating small wetlands and ponds in the Blackwater Lakes area close to the reservoir. This project will investigate these sites and consider options for building small dams to create wetlands and ponds on the scale of those created by large	North Columbia, Kinbasket Reservoir	Golden District Rod and Gun Club	\$5,000.00	Riparian and Wetlands Action Plan	Research & Informaiton Acquisition

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18 COL-F17-W-1435	Restoring Habitat at Moberly Marsh	Moberly Marsh Habitat Restoration: Phase 1: Moberly Marsh (11 kilometres northwest of Golden) provides important habitat for birds, furbearers, bears, ungulates, and rare plants, and is a proposed reintroduction site for the endangered Northern Leopard Frog. Given the high wildlife and conservation values and stakeholder interest (Wildsight, Golden Rod and Gun Club, local naturalists), this project will compile habitat information and conservation values through field surveys and stakeholder engagement to inform restoration opportunities and management actions to enhance wetland function and wildlife conservation.	North Columbia, Moberly Marsh near Golden	LGL Limited Environmental Research Associates Ltd.	\$4,950.00	Riparian and Wetlands Action Plan	Habitat-Based Actions
19 COL-F17-W-1288	Restoring Habitat for At-Risk Turtle	Revelstoke Turtle Nesting Site Restoration Operational Trial: The aim of this project is to restore Western Painted Turtle nesting habitat at Red Devil Hill near Revelstoke by vegetation management, nesting substrate replacement, and slope angle reduction.	North Columbia, Revelstoke	Okanagan Nation Alliance	\$29,998.65	Species of Interest Action Plan	Habitat-Based Actions
20 COL-F17-W-1423	Studying Options to Protect Revelstoke Wetland	Arrow Lake - Airport Slough Dike Initiation Phase Assessment: This is an FWCP seed project to determine the feasibility of a dike around Airport Slough to protect wetland features and stabilize water levels in the Revelstoke Reach drawdown zone of Upper Arrow Lake. The work will include discussions with stakeholders, compiling a list of existing scientific studies on Airport Slough, and presenting the results in an Initiation Phase Assessment report, including a "road map" to define the design phases.	North Columbia, Revelstoke	Yucwmenlucwu (Caretakers of the Land) 2007 LLP	\$5,000.00	Riparian and Wetlands Action Plan	Research & Informaiton Acquisition
21 COL-F17-W-1436	Testing Maternity Pens for Endangered Caribou	Revelstoke Caribou Maternity Pen: This three- to five-year pilot project will determine if maternal penning can improve the survival of caribou calves and adults in the Columbia Mountains ecosystem by protecting them in a secure enclosure for four months until calves are larger and more capable of avoiding predation. If successful, this tool will be used to increase the size of the Columbia north caribou sub-population. The goal of the project is to use maternal penning in the Revelstoke area to increase calf survival by a factor of two to three.	North Columbia, Revelstoke	Revelstoke Caribou Rearing in the Wild Society	\$78,110.00	Species of Interest Action Plan	Species-Based Actions
22 COL-F17-W-1414	Restoring Riparian Habitat Near Revelstoke	Revelstoke Reach Riparian Restoration: This project will continue previous efforts in restoring riparian forest and shrub habitats in select areas in the drawdown zone near Revelstoke B.C. The work will involve planting live Cottonwood, Red-Osier Dogwood, and Willow stakes in areas currently dominated by Reed Canary Grass.	North Columbia, Revelstoke	Kingbird Biological Consultants Ltd.	\$31,586.24	Riparian and Wetlands Action Plan	Habitat-Based Actions
23 COL-F17-W-1222	Reducing the Threat of American Bullfrogs	American Bullfrog Surveillance and Eradication Program : The American Bullfrog (<i>Rana catesbeiana</i>) is an aggressive invasive species that is native to eastern North America and is a direct threat to the survival of the Northern Leopard Frog and Western Painted Turtle. This project will help reduce the threat of the American Bullfrog through eradication at Lomond Lake and through a surveillance monitoring program throughout the region.	West Kootenay	Central Kootenay Invasive Species Society	\$5,000.00	Riparian and Wetlands Action Plan	Habitat-Based Actions
24 COL-F17-W-1346	Restoring Riparian and Wetland Habitat at Indian Creek	Indian Creek Riparian and Wetland Restoration: Phase 2: The long-term goal of this project is to restore functional riparian and wetland habitat along Indian Creek. The project is located within traditional hunting, fishing and gathering areas utilized by the Lower Kootenay Band, which have been heavily impacted by agriculture, grazing and flood control activities.	West Kootenay, Indian Creek, (south Channel of the Goat River) near Creston	Masse Environmental Consultants Ltd.	\$35,808.00	Riparian and Wetlands Action Plan	Habitat-Based Actions
25 COL-F17-W-1392	Conserving At-Risk Reptiles Near Trail	Lower Columbia Reptile at-Risk Conservation Project: This is the fourth year of a project that targets the North American Racer, a snake species-at-risk in the Lower Columbia. Through radio telemetry, summer and winter habitat use will be determined, in order to conserve racers and other reptiles at-risk in the area, including Northern Rubber Boas and Western Skinks.	West Kootenay, Lower Columbia River, south of Trail	Jakob Dulisse Consulting	\$15,082.35	Upland and Dryland Action Plan	Habitat-Based Actions
26 COL-F17-W-1325	Restoring Rossland's Local Wetland	Centennial Wetland Restoration Project: This project's goal is to restore, protect and conserve the integrity of the Centennial Wetland, by repairing and preventing further damage and enhancing habitat. This will be accomplished by building a 40-metre trail that routes OHVs and trail users out of the wetland and by restoring a one-acre area by repairing the filling, ditching and head cuts that are changing the wetland hydrology.	West Kootenay, Rossland	The City of Rossland / The Corporation of the City of Rossland	\$28,400.00	Riparian and Wetlands Action Plan	Habitat-Based Actions

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27 COL-F17-W-1438	Restoring Wetland Along Slokan River	Wetland Restoration at Crooked Horn Farm in Winlaw, B.C.: This project will restore hydrological function year-round, thus allowing a wider diversity of species to thrive and providing a moderating effect on flooding downstream. The intent is to restore wetland functionality by enhancing shallow water wetlands, establishing native vegetation, and creating habitat for a diversity of wetland specie including amphibians and a diversity of benthic invertebrates in the shallow waters.	West Kootenay, Slokan Valley	Slocan River Streamkeepers Society	\$15,900.00	Riparian and Wetlands Action Plan	Habitat-Based Actions
28 COL-F17-W-1330	Protecting Grizzlies by Learning More About Huckleberries	Predicting Grizzly Bear Food: Huckleberries: This project will use extensive GPS telemetry location data for 60 Grizzly Bears to identify, understand, and predict the presence of their most important regional food resource, huckleberries. Understanding ecological characteristics of major food resources, particularly for threatened species, is critical.	West Kootenay, South Selkirk & South Purcell Mountains	Birchdale Ecological	\$15,780.00	Upland and Dryland Action Plan	Habitat-Based Actions
Grant-Based Wildlife Project Total:					\$392,464.42		
GRANT-BASED PROJECT TOTAL:					\$636,561.75		
Project ID	2016-17 FWCP Upper Kootenay Ecosystem Enhancement Plan (UKEEP) Projects		Sub-Region	Project Lead	FWCP Funding	Action Plan Alignment	Project Type
29 UKE-F17-W-1212	Monitoring Mule Deer Survival in the Kootenays	Kootenay Mule Deer Survival Monitoring: This is a five-year Mule Deer monitoring project to assess factors limiting population growth and recommend actions to increase abundance. Project spin-offs will support restoration of Mule Deer habitat in the Upper Kootenay area, where the FWCP has invested substantial funding in ecosystem restoration.	Basin-Wide	MFLNRO	\$14,300.00	UKEEP Upland and Dryland Areas Action Plan	Species-Based Actions
30 UKE-F17-F-1183	Studying Westslope Cutthroat Trout Hybridization	Westslope Cutthroat Trout Hybridization Evaluation: This is year two of a four-year project aimed at determining the extent of Westslope Cutthroat Trout hybridization with Rainbow Trout in the Upper Kootenay drainage system.	East Kootenay	MFLNRO	\$90,450.00	UKEEP Streams Action Plan	Species-Based Actions
31 UKE-F17-W-1417	Gathering Data on Wolverine Abundance and Harvest Sustainability	Wolverine Harvest Sustainability in the Kootenay Region: Wolverines are a species of management focus for the B.C. Ministry of Forests, Lands and Natural Resource Operations due to uncertainty about sustainability of legal trapping and harvest. This project will gather necessary information to help the B.C. Ministry make science-based decisions and actions to inform resource management practices.	East Kootenay	MSU	\$31,750.00	UKEEP Upland and Dryland Areas Action Plan	Research & Informaiton Acquisition
32 UKE-F17-W-1447	Managing Invasive Plants & Restoring Protected Areas	Invasive Plant Management & Restoration of Protected Areas: This project aims to retain functional and sustainable ecosystems in protected areas of the Upper Kootenay Ecosystem by mitigating the impacts of invasive species. It will enhance wildlife habitat conservation, promote long-term cost-savings through collaborative invasive species management action, and restore degraded areas with native plant species.	East Kootenay	East Kootenay Invasive Plant Council	\$29,000.00	UKEEP Upland and Dryland Areas Action Plan	Habitat-Based Actions
33 UKE-F17-W-1460	Restoring At-Risk Wetlands in Upper Kootenay River Watershed	Upper Kootenay Small Wetlands-at-Risk Restoration Project: This is a seed project that ultimately aims to develop a larger project that will conserve and restore ecological function to small wetlands in the UKEEP area, which are currently threatened by cattle and ungulate grazing, and/or drought and climate change. The project will target small wetlands (less than 10 hectares) identified as at-risk by several recent FWCP projects.	East Kootenay	Jakob Dulisse Consulting	\$4,950.00	UKEEP Wetland Action Plan	Habitat-Based Actions
34 UKE-F17-F-1264	Alexander Creek Streamside Restoration & Community Education	Alexander Creek Streamside Restoration & Community Education: This is a stream habitat enhancement and restoration project on Alexander Creek, with a complimentary community outreach component. Benefits of the project will include increased bank stability, improved water quality, greater biodiversity and ecosystem connectivity.	East Kootenay, Alexander Creek	Elk River Alliance	\$22,050.00	UKEEP Streams Action Plan	Habitat-Based Actions

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35 UKE-F17-F-1403	Mapping Sensitive Habitat in Koocanusa Reservoir	Koocanusa Sensitive Habitat Inventory Mapping: Phase 2: This project will use the inventory of foreshore modifications, and identification of critical fish and wildlife habitats conducted during Phase 1 to develop shoreline management guidelines that will conserve these ecosystems. It will result in the protection of habitats of highest value and habitats for species of special concern, as well as identify foreshore habitat restoration opportunities.	East Kootenay, Koocanusa Reservoir	Wildsight	\$68,520.00	UKEEP Lakes Action Plan	Research & Information Acquisition
36 UKE-F17-W-1448	Restoring Sheep Mountain-Cutts Road Grassland Ecosystems	Sheep Mountain-Cutts Road Grassland Ecosystems Restoration: This project will restore and conserve grassland ecosystems by the implementation of understory slashing to reduce tree densities and enhance habitat qualities and increase forage values.	East Kootenay, Sheep Mountain near Baynes Lake	Rocky Mountain Trench Natural Resource Society	\$60,000.00	UKEEP Upland and Dryland Areas Action Plan	Habitat-Based Actions
37 UKE-F17-W-1459	Tracking At-Risk Long-Billed Curlews	Tracking Long-Billed Curlews in the Lower Columbia Valley: The species is listed as a species of Special Concern by the federal Species at Risk Act. This project will track six Long-Billed Curlews (with the use of satellite transmitters) during breeding, migration, and overwintering periods using GPS transmitters. It will identify key habitats used by curlews at every life stage, providing important data that will help conserve this species in the future.	East Kootenay, Skookumchuck	Bird Studies Canada	\$46,180.00	UKEEP Upland and Dryland Areas Action Plan	Species-Based Actions
38 UKE-F17-W-1424	Restoring Strauss Road Grassland Ecosystem	Strauss Road Grassland Ecosystems Restoration: The Strauss Road Grassland Ecosystems area, which is Crown Land, is adjacent to a parcel of land owned by The Nature Trust of BC, and will be enhanced for conservation and habitat. Work will include hand slashing and/or machine masticating of approximately 144 hectares identified in the Ecosystem Restoration Prescription prepared by a B.C. registered professional forester.	East Kootenay, Strauss Rd, Newgate, Lake Koocanusa	Rocky Mountain Trench Natural Resource Society	\$60,000.00	UKEEP Upland and Dryland Areas Action Plan	Habitat-Based Actions
39 UKE-F17-W-1395	Restoring Tobacco Plains Ecology	Tobacco Plains Ecological Restoration: Ecological restoration on Tobacco Plains Indian Reserve will improve habitat for multiple species, support rare and threatened species recovery, improve habitat connectivity with surrounding Provincial Crown Land, and engage First Nations residents in greater land stewardship participation and awareness.	East Kootenay, Tobacco Plains Indian Reserve	Keefer Ecological Services Ltd.	\$54,563.50	UKEEP Upland and Dryland Areas Action Plan	Habitat-Based Actions
40 UKE-F17-F-1369	Restoring Fish Passage at Wickman Creek	East Kootenay Culvert Remediation 2016: This project will restore fish passage to streams in the Caven Creek Watershed (specifically, Wickman Creek in 2016 and Caven Creek in 2017), which were previously obstructed by faulty culvert placements. Two culverts will be replaced with bridges at two locations in Wickman Creek in 2016, which will resolve fish passage obstruction in this watershed.	East Kootenay, Wickman Creek	Freshwater Fisheries Society of BC	\$179,664.87	UKEEP Streams Action Plan	Habitat-Based Actions
41 UKE-F17-F-1452	Supporting At-Risk Bull Trout in Kootenay River Watershed	Creation of WHAs for Bull Trout in the Upper Kootenay River: The objective of this project is to propose the creation of Wildlife Habitat Areas (WHAs) to protect critical Bull Trout spawning habitat in the Upper Kootenay River Watershed. Wigwam River, White River, and Skookumchuck Creek will be targeted in priority as they receive the majority of the spawning Bull Trout.	East Kootenay, Wigwam and White Rivers, and Skookumchuck Creek	Vast Resource Solutions	\$4,939.00	UKEEP Streams Action Plan	Habitat-Based Actions
42 UKE-F17-F-1190	Wildhorse River Bull Trout Population Inventory and Recovery	Wildhorse River Bull Trout Population Inventory and Recovery: This project will estimate use Bull Trout, abundance, migration timing and biological data in the Wildhorse River. This project will also identify critical spawning and rearing habitats and factors limiting population recovery, and a preliminary restoration prescription.	East Kootenay, Wildhorse River	MFLNRO	\$59,119.49	UKEEP Streams Action Plan	Research & Information Acquisition
UKEEP Project Total:					\$725,486.86		

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Project ID	2016-17 FWCP Columbia Region Annual/Ongoing Fish Projects		Sub-Region	Project Lead	FWCP Funding	Action Plan Alignment	Project Type
43	Arrow Lakes Nutrient Restoration	Arrow Lakes Nutrient Restoration: To address the nutrient losses in Arrow Lakes Reservoir as a result of the construction of the Hugh Keenleyside, Mica and Revelstoke dams, a bottom-up approach was taken with the addition of nutrients (nitrogen and phosphorus in the form of liquid agricultural grade fertilizer).		MFLNRO	\$856,790.00	Large Lakes Action Plan	Habitat-Based Actions
44	Kootenay Lake Nutrient Restoration	Kootenay Lake Nutrient Restoration: This project includes the coordination, oversight and implementation of nutrient additions to the North Arm of Kootenay Lake, and the associated monitoring and reporting. Nutrient additions (nitrogen and phosphorus in the form of liquid agricultural grade fertilizer) support phytoplankton populations that are suitable for the production of Daphnia, a main food source for Kokanee.		MFLNRO	\$873,053.00	Large Lakes Action Plan	Habitat-Based Actions
45	Hill Creek Spawning Channel	Hill Creek Spawning Channel: Hill Creek spawning channel provides spawning habitat for Kokanee and Rainbow Trout from Arrow Lakes Reservoir. This project supports ongoing operations, maintenance and monitoring at the channel, including Kokanee fry emigration, Rainbow Trout redd counts and fry emergence, adult Kokanee size, fecundity and escapement, overwinter egg survival, and water quality.		MFLNRO	\$167,206.00	Large Lakes Action Plan	Species-Based Actions
46	Meadow Creek Spawning Channel	Meadow Creek Spawning Channel: BC Hydro built the Meadow Creek spawning channel in 1967 to compensate for lost natural Kokanee habitat due to the construction of Duncan Dam. The facility sustains Kootenay Lake Kokanee, which are the primary prey species for both Bull Trout and Gerrard Rainbow Trout.		MFLNRO	\$190,083.00	Large Lakes Action Plan	Species-Based Actions
47	Upper Columbia River Sturgeon Recovery	Upper Columbia River Sturgeon Recovery: A conservation aquaculture program, supported by the FWCP, was initiated in 2000 to address recovery while research into recruitment failure occurred. Due to the immense success of the conservation aquaculture program, the program has changed over the past few years, with the focus now being on collecting eggs and larvae that are produced in the wild and rearing them at the hatchery until nine months of age.		Freshwater Fisheries Society of B.C.	\$150,000.00	Species of Interest Action Plan	Species-Based Actions
Annual/Ongoing Fish Project Total:					\$2,237,132.00		

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48	Land Management Operations	Land Management Operations: This project focuses on coordination, oversight and implementation of land management activities associated with conservation-held lands.	Basin-Wide	MFLNRO	\$294,313.00	Species of Interest Action Plan	Habitat-Based Actions
49	Non-Game Enhancement	Non-Game Enhancement: Non-game enhancement projects focus on critical habitat features that are important for species reproduction and survival such as roosting, denning and nesting habitat.	Basin-Wide	MFLNRO	\$180,189.00	Upland and Dryland Areas Action Plan	Habitat-Based Actions
50	Land Securement	Land Securement: The construction of BC Hydro dams resulted in the loss of important valley bottom wildlife habitat. Land securement is one of FWCP's primary compensation actions. Funding is designated for high-priority securements that are developed through FWCP's involvement with the Kootenay Conservation Program, The Nature Trust of BC, and The Nature Conservancy of Canada.	Basin-Wide	FWCP	\$536,121.00	Species of Interest Action Plan	Habitat-Based Actions

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51	Caribou Recovery	Caribou Recovery: A multi-agency effort led by FLNRO/MOE to recover threatened caribou sub-populations is underway. Actions funded by the FWCP this year include: South Selkirk and South Purcell caribou/cougar/wolf mortality investigations and wolf pack size determinations; participation in caribou census and collaring; predator track survey in South Selkirks or Central Selkirks; and a survey of moose in the Revelstoke sub-unit.	Basin-Wide	MFLNRO	\$106,868.00	Species of Interest Action Plan	Species-Based Actions
52	East Kootenay Enhancement	East Kootenay Enhancement: This project focuses on oversight, coordination and implementation of restoration activities, including: prescription development; slashing, piling and burning; masticating; burn-planning and burning; and monitoring and reporting.	East Kootenay	MFLNRO	\$451,258.00	Upland and Dryland Areas Action Plan	Habitat-Based Actions
53	Northern Leopard Frog Recovery	Northern Leopard Frog Recovery: This project involves the inventory monitoring and stewardship of the Northern Leopard Frog population at the Creston Valley Wildlife Management Area (CVWMA). This population hosts the majority of the remaining Leopard Frogs in B.C., and serves as the source population for re-introductions and a captive assurance population.	East and West Kootenay	MFLNRO	\$195,053.00	Species of Interest Action Plan	Species-Based Actions
54	West Kootenay Enhancement	West Kootenay Enhancement: This project focuses on oversight, coordination and implementation of restoration activities, including: prescription development; slashing, piling and burning; masticating; burn-planning and burning; and monitoring and reporting.	West Kootenay	MFLNRO	\$225,661.00	Upland and Dryland Areas Action Plan	Habitat-Based Actions
55	Wetland and Riparian Enhancement	Wetland and Riparian Enhancement: The goal of this project is to deliver wetland restoration work, continue to develop new projects, and monitor completed projects. This involves work to identify candidate restoration sites, compile background information, pre-treatment inventory of sites, complete restoration plans working with a wetland specialist; and develop the partnerships, permits and budgets for implementation of the restoration projects.		MFLNRO	\$225,036.00	Riparian and Wetlands Action Plan	Habitat-Based Actions
					Annual/Ongoing Wildlife Project Total:	\$2,214,499.00	
					ANNUAL/ONGOING PROJECT TOTAL:	\$4,451,631.00	
					2016-2017 PROJECT SPEND TOTAL:	\$5,813,679.61	