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## Coastal Region fish and wildlife project list 2020-2021

The Fish & Wildlife Compensation Program (FWCP) conserves and enhances fish and wildlife in watersheds impacted by BC Hydro dams. The FWCP is funded annually by BC Hydro. The FWCP funds projects in the Coastal, Columbia and Peace Regions, which fulfills BC Hydro's water licence obligations and voluntary commitments to compensate for fish and wildlife impacts. The FWCP is a partnership between BC Hydro, the Province of B.C., Fisheries and Oceans Canada, First Nations and Public Stakeholders.

In 2020-2021 our three regional boards – Coastal, Columbia, and Peace – approved funding for 99 fish and wildlife projects valued at approximately \$8.7 million. Each project went through a three-stage review and evaluation process prior to a final decision by our local boards. Each project addresses one or more conservation priorities in our Action Plans.

In our Coastal Region, the board approved \$1.7 million for 28 fish and wildlife projects to be implemented between April 1, 2020 and March 31, 2021. First Nations, stewardship groups, consultants, and agencies are leading the 15 fish and 13 wildlife projects that will help conserve and enhance fish and wildlife impacted by BC Hydro dams.

### About our 2020-2021 project list

This is a final list of projects conditionally approved by the FWCP Coastal Region board as of April 1, 2020.

These approved budgets are to support the delivery of fish and wildlife projects, and do not include the FWCP administration or communications budget. The total number of projects approved for 2020-2021 includes budgets approved for future work this fiscal year to be further defined by the regional boards (i.e., directed projects).

We deliver funding and projects through our annual grants, long-term agreements, and partnerships. Our board may also choose to direct projects and approve funding to address regional priorities. All of the projects below align with our Coastal Region action plans. Priority actions in those plans that are identified as "Open" and "Directed / Open" are eligible for a grant. Actions identified as "Directed" are not eligible for a grant, and these are projects that our board directs through the appropriate procurement process (e.g., a request for proposal).

### Contact us

Contact Julie Fournier, Coastal Region Manager at 604-528-7998 or [julie.fournier@bchydro.com](mailto:julie.fournier@bchydro.com) to learn more about our work in the Coastal Region. [Subscribe](#) and stay informed about the projects we fund and how you can apply for a grant.

Learn more at [fwcp.ca](http://fwcp.ca)

# FWCP Coastal Region 2020-2021 Project List

#	Project ID	2020-2021 Grant-Based Fish Projects	Project Lead	FWCP Funding	Project Type	Action Plan Alignment	Watershed
1	COA-F21-F-3254	<p><b>Adding nutrients to the upper Puntledge River Watershed</b></p> <p><i>Upper Puntledge River Watershed Chum Carcass Distribution</i> Salmon carcasses play a key role in maintaining the productivity of salmonid systems and benefiting the aquatic and terrestrial ecosystem as a whole. Chum Salmon carcasses from the Puntledge River Hatchery will be distributed across the upper Puntledge River Watershed. Their slow decomposition will contribute essential marine-derived nutrients and energy to benefit the entire food web and will sustain the production of fish and other salmon-dependent species within the watershed.</p>	Courtenay and District Fish & Game Protective Association	\$ 2,000	Habitat-based Actions	Rivers, Lakes & Reservoirs	Puntledge River Watershed
2	COA-F21-F-3256	<p><b>Building awareness of salmon in the Shuswap River Watershed</b></p> <p><i>Conservation of Shuswap River Chinook through Education</i> This project builds awareness about Shuswap River salmon and the habitats and ecosystems they require. This project uses hands-on training to build understanding among school children, teachers, parents, and community members in order to foster support for future restoration actions geared at promoting the long-term survival of all salmon and the preservation of the Shuswap River Watershed.</p>	Kingfisher Interpretive Centre Society	\$ 5,976	Species-based Actions	All	Shuswap River Watershed
3	COA-F21-F-3266	<p><b>Improving spawning habitat at the Elk Falls Canyon in the Campbell River Watershed</b></p> <p><i>Elk Falls Canyon Spawning Gravel Bulk Delivery: Year 5</i> This project provides the fifth year of gravel additions to the Upper Canyon Reach of the Campbell River using the 2017 bulk gravel-delivery system constructed in Elk Falls Provincial Park. Approximately 150–250 m<sup>3</sup> of gravel will be added to the first pool tail-out. This gravel will provide valuable spawning habitat for all species of salmon and trout. As more gravel is added to the canyon over time, the habitat will become more gravel rich and further increase spawning capacity.</p>	British Columbia Conservation Foundation	\$ 58,027	Habitat-based Actions	Rivers, Lakes & Reservoirs	Campbell River Watershed
4	COA-F21-F-3270	<p><b>Restoring riparian habitat in the Puntledge River Watershed</b></p> <p><i>Kus-kus-sum Restoration Phase I: Unpaving Paradise</i> The Comox Valley Project Watershed Society will lead this project to restore the Kus-kus-sum conservation lands located along the salmonid migration corridor that connects the K'ómoks Estuary to upper watershed spawning habitats in the Puntledge and Tsolum watersheds. The former sawmill site will be restored and will eventually provide suitable habitat for fish and wildlife. This project will define the restoration plan and work toward the removal of paved surfaces, derelict buildings, and concrete currently covering 8.3 acres of the site.</p>	Comox Valley Project Watershed Society	\$ 120,407	Habitat-based Actions	Rivers, Lakes & Reservoirs	Puntledge River Watershed
5	COA-F21-F-3297	<p><b>Helping rebuild Chinook stocks in the Bridge-Seton Watershed</b></p> <p><i>Portage Creek Chinook Conservation Enhancement</i> Fisheries and Oceans Canada will lead this strategic enhancement project to support rebuilding the vulnerable Portage Creek Chinook population for a minimum of one generation (five years) and preserving its genetics. This project will support the enhancement and coded-wire tagging of up to 50,000 yearling smolts. Enhancement will provide the population with a greater smolt survival rate, while the tags will provide much-needed assessment and stock distribution information. Further work will investigate the limiting factors contributing to the population's decline.</p>	Fisheries and Oceans Canada	\$ 21,539	Species-based Actions	All	Bridge-Seton River Watershed

# FWCP Coastal Region 2020-2021 Project List

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6	COA-F21-F-3299	<p><b>Increasing spawning habitat in the lower Campbell River Watershed</b></p> <p><i>Campbell River Spawning Gravel Site 9-II</i> The purpose of the project, led by the Campbell River Salmon Foundation, is to increase the available spawning habitat for Chinook Salmon and other riverine species by constructing a 1,700 m<sup>2</sup> spawning gravel pad. The strategic placement of spawning gravel for Chinook Salmon in historically important areas of the main stem of the Campbell River is a priority for our Campbell River Watershed Action Plan.</p>	Campbell River Salmon Foundation	\$ 194,976	Habitat-based Actions	Rivers, Lakes & Reservoirs	Campbell River Watershed
7	COA-F21-F-3302	<p><b>Restoring riparian habitat for salmonids in the Bridge-Seton River Watershed</b></p> <p><i>Seton Spawning Channel Riparian Habitat Enhancement (2020)</i> The goal of this project is to restore and maintain key salmonid spawning and rearing habitat in the upper and lower spawning channel portions of the Seton River Watershed. This riparian habitat enhancement work will ensure the future sustainability and functionality of the Seton River spawning channels and the further development of a management plan for the spawning channels and the species that use them.</p>	Splitrock Environmental Sekw'el'was LP	\$ 19,911	Habitat-based Actions	Rivers, Lakes & Reservoirs	Bridge-Seton River Watershed
8	COA-F21-F-3308	<p><b>Improving fish passage in the Cheakamus River Watershed</b></p> <p><i>Squamish Central Estuary Restoration Project: Year 3</i> The focus of this project, led by the Squamish River Watershed Society, is to improve fish passage across a berm at key locations and realign a portion of the berm to create a sediment deflection buffer. This would provide fish access to more than 77 hectares of tidally influenced habitat for out-migrating juvenile salmon. This project includes restoring tidal flows and connections across a rail line to rewater and improve overall habitat along the Bridge Pond and Cattermole Slough.</p>	Squamish River Watershed Society	\$ 259,709	Habitat-based Actions	Rivers, Lakes & Reservoirs	Cheakamus River Watershed
9	COA-F21-F-3322	<p><b>Studying limiting factors of salmonids in the Bridge-Seton River Watershed</b></p> <p><i>LFA Development for Yalakom/Lower Bridge River Salmon</i> Coldstream Ecology Ltd., in collaboration with Xwisten (Bridge River Indian Band), will undertake a literature review and engage with key agencies and the community to better understand the factors affecting the survival and productivity of salmonids in the Yalakom and Lower Bridge rivers. It is expected that the results of this Seed Grant project will lead to a future grant application for a larger limiting factors analysis project.</p>	Coldstream Ecology, Ltd.	\$ 5,000	Research & Information Acquisition	All	Bridge-Seton River Watershed
10	COA-F21-F-3330	<p><b>Pacheedaht First Nation leads project to increase spawning habitat in the Jordan River Watershed</b></p> <p><i>Lower Jordan River Side Channel Development</i> The goal of this multi-year project, led by the Pacheedaht First Nation, is to create a tributary- and groundwater-fed side channel on the Jordan River that will provide rearing and spawning habitat for Coho Salmon and sea-run Cutthroat Trout. The project proposes three phases: Year 1 will include a detailed feasibility assessment to confirm the viability of the project; Year 2 will, if viable, develop side channel design, construction, and monitoring plans; and Year 3 will see the side channel constructed and monitoring initiated.</p>	Pacheedaht First Nation	\$ 60,000	Habitat-based Actions	Rivers, Lakes & Reservoirs	Jordan River Watershed

# FWCP Coastal Region 2020-2021 Project List

#	Project ID	2020-2021 Grant-Based Fish Projects	Project Lead	FWCP Funding	Project Type	Action Plan Alignment	Watershed
11	COA-F21-F-3333	<p><b>Using eco-cultural restoration techniques in the Puntledge River Watershed</b></p> <p><i>Eco-cultural Restoration of the K'omoks Estuary</i> This project, led by the Guardian of Mid-Island Estuaries Society, will use alder poles and willow to construct natural habitat structures resembling traditional Indigenous fish weirs to restore and protect productive estuary sedge marsh habitats in the Puntledge River Watershed. These low-maintenance wooden enclosures can withstand strong wave action and are intended to protect channel-edge habitat. This proposal focuses on further protecting and restoring this important keystone salmon habitat.</p>	Guardians of Mid Island Estuaries Society	\$ 48,990	Habitat-based Actions	Rivers, Lakes & Reservoirs	Puntledge River Watershed
<b>Fish Project Total:</b>				<b>\$ 796,535</b>			

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#	Project ID	2020-2021 Grant-Based Wildlife Projects	Project Lead	FWCP Funding	Project Type	Action Plan Alignment	Watershed
12	COA-F21-W-3171	<p><b>Helping Canada's most endangered owl species</b></p> <p><i>Northern Spotted Owl Captive Breeding Program</i> This project will provide funding to the Northern Spotted Owl Captive Breeding Program. The program's goal is to produce captive-born Northern Spotted Owls for release into suitable habitat within the Bridge-Seton Watershed to recover the local population to a minimum of 20 individuals. This owl is one of Canada's most endangered bird species, and its entire Canadian range occurs in southwestern B.C. Fewer than 30 individuals remain in Canada, with more than half residing in captivity at the breeding facility in B.C.</p>	British Columbia Conservation Foundation	\$ 98,800	Habitat-based Actions	All	Bridge-Seton River Watershed
13	COA-F21-W-3257	<p><b>Supporting recovery of endangered Vancouver Island marmots</b></p> <p><i>Translocating Vancouver Island Marmots to Strathcona Park 2020</i> This project will support the Marmot Recovery Foundation to translocate between five and 10 endangered Vancouver Island marmots to colonies in Strathcona Provincial Park. These marmots will support previously re-established colonies while future recovery efforts are prepared. The marmot is an endemic Endangered species that was extirpated from Strathcona Provincial Park in the 1990s. Reintroduction efforts have successfully established a number of colonies and a small population of marmots in the park.</p>	Marmot Recovery Foundation	\$ 11,000	Habitat-based Actions	Upland & Dryland	Multiple
14	COA-F21-W-3271	<p><b>Growing endangered Whitebark Pine in the Bridge-Seton Watershed</b></p> <p><i>Whitebark Pine Recovery in the Bridge River Drainage</i> During this project, led by Moody Tree, approximately 5,000 Whitebark Pine seedlings will be planted across a 10-hectare site to support the recovery of this endangered keystone species in high-elevation ecosystems. Rust infection and recent wildfires have killed many of these at-risk trees, and changes to the fire regime and climate change are contributing to dramatically declining numbers. To combat this decline, seeds collected from the healthiest trees will be used for the seedlings.</p>	Moody Tree	\$ 23,000	Species-based Actions	Upland & Dryland	Bridge-Seton River Watershed
15	COA-F21-W-3273	<p><b>Conserving bats and their habitat in the Clowhom River Watershed</b></p> <p><i>Conserving Bats and Their Habitat in Clowhom Watershed: Year 2</i> This project, led by the Sunshine Coast Wildlife Project, will help conserve bats and their habitat in the Clowhom River Watershed by protecting and monitoring two known and important bat maternity roosts and identifying and protecting other roosts. This project includes white-nose syndrome (WNS) surveillance and increasing stewardship actions to build healthy resilient bat populations prior to the expected arrival of WNS in B.C.</p>	Sunshine Coast Wildlife Project	\$ 17,900	Habitat-based Actions	Upland & Dryland	Clowhom River Watershed
16	COA-F21-W-3275	<p><b>Assessing white-nose syndrome mitigation options in the Stave River Watershed</b></p> <p><i>Developing and Evaluating Bat Mitigation Strategies</i> This project, led by the Wildlife Conservation Society Canada, will evaluate mitigation tools to reduce further impacts on bats, which face unprecedented threats, including white-nose syndrome (WNS), in the Stave Lake area. This project will use knowledge about roost conditions, overall health and reproduction, and roost-switching behaviour to test and evaluate a pilot effort to reduce the mortality rate of WNS. The WNS management strategy developed through this project could be applied widely across watersheds in B.C.</p>	Wildlife Conservation Society Canada	\$ 29,989	Habitat-based Actions	Upland & Dryland	Stave River Watershed

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#	Project ID	2020-2021 Grant-Based Wildlife Projects	Project Lead	FWCP Funding	Project Type	Action Plan Alignment	Watershed
17	COA-F21-W-3281	<p><b>Restoring ecological function in the Campbell River Watershed</b></p> <p><i>Restoring Ecological Function in the Campbell River Estuary</i> This project, led by the Discovery Coast Greenways Land Trust, aims to restore ecological functioning in the Campbell River estuary by managing invasive species, including Yellow Flag Iris, Purple Loosestrife, and Japanese Knotweed. The proposed project will provide additional capacity for invasive species management that will improve the ecosystem functioning of the estuary, including protecting the provincially Red-listed Henderson's Checker-mallow's Tufted Hairgrass ecological community, and habitat for the Vancouver Island Beggarticks, a species of Special Concern under the Species at Risk Act.</p>	Discovery Coast Greenways Land Trust	\$ 14,894	Habitat-based Actions	Wetland & Riparian	Campbell River Watershed
18	COA-F21-W-3283	<p><b>Restoring wildlife habitat in the Campbell River Watershed</b></p> <p><i>Conserving Wildlife Habitat in the Salmon River Watershed</i> This project, led by the Nature Trust of British Columbia, will continue the restoration of degraded riparian forest and wetland habitat in the Salmon River Estuary Conservation Area, which was previously logged. This project will protect and improve habitat for birds, amphibians, large mammals, and salmon. This conservation property was purchased in 2015 with funding from FWCP and others.</p>	The Nature Trust of British Columbia	\$ 11,550	Habitat-based Actions	Wetland & Riparian	Campbell River Watershed
19	COA-F21-W-3295	<p><b>Supporting recovery of Western Painted Turtles</b></p> <p><i>Western Painted Turtle Recovery in Lower Mainland Watersheds</i> This project, led by the British Columbia Conservation Foundation, will support the Pacific Coast population of Western Painted Turtle, which is federally Endangered and provincially Red-listed. The goal of this project is to recover B.C.'s only remaining freshwater turtles by increasing recruitment. Actions include releasing "head-started" turtles, monitoring the populations' recovery, and providing and monitoring effectiveness of essential habitat, such as basking features and nesting habitat.</p>	British Columbia Conservation Foundation	\$ 119,470	Species-based Actions	All	Multiple
20	COA-F21-W-3305	<p><b>Katzie First Nation leads project to restore species of conservation concern and cultural value in the Alouette River Watershed</b></p> <p><i>Restoring Species of Conservation Concern and Cultural Value</i> This project, led by the Katzie Development Limited Partnership, intends to create and enhance wetland, riparian, and off-channel pond habitats within the lower Alouette River Watershed to support healthy populations of salmonids and species of cultural value and conservation concern. The implementation of an eco-cultural restoration plan for Katzie traditional territory will continue. It will integrate the principles of restoration ecology and adaptive management with Katzie traditional knowledge and priorities for conservation, including Wapato, Tule, Coho Salmon, Barn Owls, bats, and co-occurring native species.</p>	Katzie Development Limited Partnership	\$ 68,650	Habitat-based Actions	All	Alouette River Watershed
21	COA-F21-W-3332	<p><b>Improving bat science and knowledge in the Puntledge River Watershed</b></p> <p><i>Puntledge Watershed Bat Project</i> This project, led by the Comox Valley Land Trust, will record ultrasonic acoustic data of bats in the Puntledge River Watershed to determine which bat species are present, gather basic information about their life history, and identify maternal colonies and hibernacula. This project will inform strategies to protect high-quality bat habitat areas within the watershed.</p>	Comox Valley Land Trust	\$ 10,000	Habitat-based Actions	Upland & Dryland	Puntledge River Watershed

# FWCP Coastal Region 2020-2021 Project List

#	Project ID	2020-2021 Grant-Based Wildlife Projects	Project Lead	FWCP Funding	Project Type	Action Plan Alignment	Watershed
22	COA-F21-W-3351	<p><b>Kwantlen First Nation lead cultural fish and wildlife project</b></p> <p><i>Kwantlen Fish, Wildlife, and Plant Cultural Inventory</i> This project will create an inventory of fish, wildlife, and plants that have historically been used—and are still being used—by Kwantlen community members. This project will identify which species of flora and fauna have been valued by members, and where they are located. The goal is to develop a plan to benefit and protect species critical to the Kwantlen's cultural identity.</p>	Kwantlen Support Services	\$ 4,950	Research & Information Acquisition	All	Stave River Watershed
Wildlife Project Total : \$ 410,204							

# FWCP Coastal Region 2020-2021 Project List

#	Project ID	2020-2021 Fish and Wildlife Directed Projects	Project Lead	FWCP Funding	Project Type	Action Plan Alignment	Watershed
23	F21-PUN-DFO-01	<b>Supporting Chinook in the Puntledge River Watershed</b> <i>F21 Puntledge Hatchery Annual Contribution</i> FWCP annual funding to the Puntledge River Hatchery to support summer Chinook production.	DFO	\$ 17,000	Species-based Actions	ALL	Puntledge River Watershed
24		<b>Improving spawning habitat in the Campbell River Watershed (post-storm assessment)</b> <i>Campbell River Gravel Strategy (Post-Storm Assessment)</i> Our Coastal Region board has approved a set-aside of funds for assessing the condition of salmon spawning habitat, aligning with the Campbell River Salmon Spawning Habitat Restoration Strategy.		\$ 15,000	Research & Information Acquisition	Rivers, Lakes & Reservoirs	Campbell River Watershed
25		<b>Improving spawning habitat in the Campbell River Watershed (Site 5 feasibility)</b> <i>Campbell River Gravel Strategy (Site 5 Feasibility)</i> Our Coastal Region board has approved funds to determine the feasibility of restoring salmon spawning habitat at Site 5 in the lower Campbell River, aligning with the Campbell River Salmon Spawning Habitat Restoration Strategy.		\$ 19,000	Research & Information Acquisition	Rivers, Lakes & Reservoirs	Campbell River Watershed
26		<b>Improving fish passage in the Alouette and Coquitlam rivers</b> <i>Fish Passage for Alouette and Coquitlam</i> Our Coastal Region board has approved funds to support the fish-passage feasibility plans for the Alouette and Coquitlam rivers based on the Fish-Passage Decision Framework.	Alouette River Management Society	\$ 50,000	Species-based Actions	Rivers, Lakes & Reservoirs	Alouette-Coquitlam River Watershed
27		<b>Developing a habitat-assessment map</b> <i>Directed Habitat-Assessment Mapping</i> Our Coastal Region board has approved funds to support habitat-assessment mapping, aligning with our Coastal Region's watershed action plans.		\$ 50,000	Research & Information Acquisition	All	All
28		<b>Securing conservation lands in our Coastal Region</b> <i>F21 Land Acquisition Set-Aside</i> Our Coastal Region board has approved a set-aside of funds for the future purchase of conservation lands.		\$ 329,362	Land Securement	All	All
<b>Directed Project Total:</b>				<b>\$ 480,362</b>			
<b>2020-2021 PROJECT SPEND TOTAL:</b>				<b>\$ 1,687,101</b>			