



## COLUMBIA REGION FISH AND WILDLIFE PROJECT LIST 2021–2022

### Fish and wildlife projects approved in our Columbia Region

In our Columbia Region, our board approved approximately \$5.7 million for 43 fish and wildlife projects to be implemented between April 1, 2021–March 31, 2022. First Nations, stewardship groups, consultants, and agencies are leading the 11 fish and 32 wildlife projects, which will help conserve and enhance fish and wildlife impacted by BC Hydro dams. These projects will prioritize a wide range of habitats and species, including bull trout, bighorn sheep, and more. Visit our [interactive project map](#) and learn more about our Columbia Region and 2021–2022 projects.

This project list includes conditionally approved grant-based fish and wildlife projects and directed projects as of April 1, 2021. Grant-based projects are submitted and approved through our annual open application process, and directed projects are identified by our regional boards as priority actions for implementation.

*In our Columbia Region, we also fund annual and ongoing fish and wildlife projects. These are long-term operational projects identified by our Columbia Region board as high-priority projects for continued investment.*

### We're conserving and enhancing fish and wildlife in watersheds impacted by BC Hydro dams

The FWCP compensates for dam impacts and takes a forward-looking approach to achieve the FWCP's vision of thriving fish and wildlife populations in watersheds that are functioning and sustainable. All approved projects align with one or more priority actions in our regional action plans.

### Learn more about the FWCP

Visit [fwcp.ca](http://fwcp.ca) to learn more about the projects we are funding across our three regions.

[Subscribe](#) and stay informed about the projects we fund and how you can apply for a grant. Follow us on [LinkedIn](#) and [Instagram](#). [Contact us](#) anytime.

## FWCP Columbia Region 2021–2022 Project List

#	Project ID	2021–2022 Grant-based Fish Projects	Project Lead	FWCP Funding	Project Type	Action Plan Alignment	Sub-region
1	COL-F22 F-3438	<p><b>Improving habitat and connectivity for bull trout</b> <i>Salmo River Instream Enhancement Program: Phase 2</i> This project will enhance habitat connectivity within the Salmo River by improving passage between stream sections and providing high- and low-water habitat and refugia to benefit bull trout and rainbow trout.</p> <p>Eroding banks will be stabilized using fish-friendly structures. Habitat will be created by restoring a 245-metre side channel, including wetland habitat, planting native shrubs, and adding nutrient-rich soil to the riparian area.</p>	Salmo Watershed Streamkeepers Society	\$ 184,238	Habitat- based Actions	Rivers & Riparian	West Kootenay
2	COL-F22 F-3482	<p><b>Restoring habitat for shore-spawning kokanee in Kootenay Lake</b> <i>Shore Spawning Kokanee Restoration &amp; Research Project: Year 2</i> This multi-year project focuses on collecting data and restoring habitat for declining shore-spawning kokanee in the West Arm of Kootenay Lake.</p> <p>In 2020, spawning substrate was added below the low-water mark to encourage spawning in areas not affected by the fluctuating hydrograph. This year, the project will include comprehensive monitoring of the shore-spawning kokanee as well as data collection.</p>	Friends of Kootenay Lake Stewardship Society	\$ 15,850	Monitoring & Evaluation	Reservoirs & Large Lakes	West Kootenay

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3	COL-F22 F-3544	<p><b>Monitoring bull trout in the North Columbia</b> <i>North Columbia Bull Trout Population Monitoring</i> This feasibility study will identify methods for sampling bull trout populations and determine ideal locations for conducting population surveys in Bluewater Creek, Waitabit Creek, and the Blaeberry River.</p> <p>This project also aims to build working relationships with local First Nations and stakeholders to support the monitoring of bull trout populations.</p>	Trout Unlimited - Golden Chapter	\$ 5,000	Species-based Actions	Rivers & Riparian	North Columbia
4	COL-F22 F-3553	<p><b>Improving rainbow trout habitat at the Murphy Creek spawning channel</b> <i>Murphy Creek Spawning Channel Maintenance and Monitoring: Year 1</i> This multi-year project, delivered in partnership with the Trail Wildlife Association, will continue monitoring rainbow trout and maintaining the spawning channel at Murphy Creek.</p> <p>The continued maintenance of the spawning channel is imperative to its efficacy in providing spawning habitat for rainbow trout at this important habitat enhancement site on the lower Columbia River.</p>	Okanagan Nation Alliance	\$ 17,086	Monitoring & Evaluation	Rivers & Riparian	West Kootenay

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5	COL-F22 F-3561	<p><b>Improving fish passage in the Elk River Watershed</b>  <i>Elk River Watershed: Fish Passage Restoration Initiative</i> This project will plan, prioritize, and implement fish passage improvement and restoration projects throughout the Elk River Watershed.</p> <p>Barriers to fish connectivity limit the productivity of aquatic species at risk, including westslope cutthroat trout and bull trout, and decrease the sustainability of B.C.'s fisheries by preventing access to spawning and rearing habitat.</p>	Canadian Wildlife Federation	\$ 63,372	Habitat-based Actions	Rivers & Riparian	East Kootenay
<b>Fish Project Total:</b>				<b>\$ 285,546</b>			

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#	Project ID	2021–2022 Annual and Ongoing <sup>1</sup> Fish Projects	Project Lead	FWCP Funding	Project Type	Action Plan Alignment	Sub-region
6	COL-F22 F-3496- DCA	<p><b>Adding nutrients to Arrow Lakes Reservoir</b> <i>F22 Arrow Lakes Reservoir Nutrient Restoration Program</i> This ongoing restoration program addresses nutrient losses in Arrow Lakes Reservoir as a result of the construction of the Hugh Keenleyside, Mica, and Revelstoke dams.</p> <p>In this bottom-up approach, the addition of nutrients—nitrogen and phosphorus in the form of liquid agricultural-grade fertilizer—supports phytoplankton populations that are suitable for the production of zooplankton such as daphnia, a main food source for kokanee. Weekly additions of nutrients mimic pre-dam inputs (from the end of April to mid-September).</p>	Ministry of Forests, Lands, Natural Resource Operations and Rural Development	\$ 906,365	Habitat- based Actions	Reservoirs & Large Lakes	West Kootenay

<sup>1</sup> Annual and ongoing fish and wildlife projects are long-term operational projects that have been identified as high-priority by the FWCP’s Columbia Region board for continued investment. The FWCP is committed to strengthening First Nations engagement in the operations and delivery of the program, including the delivery of annual and ongoing projects.

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7	COL-F22-F-3498-DCA	<p><b>Adding nutrients to the North Arm of Kootenay Lake</b> <i>F22 Kootenay Lake Nutrient Restoration Program: North Arm</i> This ongoing restoration program addresses nutrient losses in Kootenay Lake as a result of the construction of the Duncan and Libby dams.</p> <p>In this bottom-up approach, the addition of nutrients—nitrogen and phosphorus in the form of liquid agricultural-grade fertilizer—from April to September supports phytoplankton populations that are suitable for the production of daphnia, a main food source for kokanee.</p> <p>This project also includes the coordination and technical and operational oversight of monitoring several trophic levels, as well as data analysis and reporting.</p>	Ministry of Forests, Lands, Natural Resource Operations and Rural Development	\$ 868,357	Habitat-based Actions	Reservoirs & Large Lakes	West Kootenay
8	COL-F22-F-3504-DCA	<p><b>Supporting Meadow Creek spawning channel at Kootenay Lake</b> <i>F22 Meadow Creek Spawning Channel</i> This project supports ongoing operations, maintenance, and monitoring at the Meadow Creek spawning channel. The channel provides spawning habitat for a large proportion of Kootenay Lake kokanee, which are the primary prey species for both bull trout and Gerrard rainbow trout.</p> <p>BC Hydro built the spawning channel in 1967 to compensate for natural kokanee habitat lost due to the construction of the Duncan Dam.</p>	Ministry of Forests, Lands, Natural Resource Operations and Rural Development	\$ 230,153	Habitat-based Actions	Reservoirs & Large Lakes	West Kootenay

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9	COL-F22-F-3505-DCA	<p><b>Supporting Hill Creek spawning channel on Arrow Lakes Reservoir</b>  <i>F22 Hill Creek Spawning Channel</i> This project supports ongoing operations, maintenance, and monitoring at the Hill Creek spawning channel. Monitoring includes kokanee fry emigration, rainbow trout redd counts and fry emergence, overwintering egg survival, water quality at the spawning channel, and adult kokanee size, fecundity, and escapement.</p> <p>The spawning channel was built by BC Hydro to compensate for spawning habitat lost due to the construction of the Revelstoke Dam, and it now provides additional spawning habitat for kokanee and rainbow trout from the Arrow Lakes Reservoir.</p>	Ministry of Forests, Lands, Natural Resource Operations and Rural Development	\$ 193,975	Habitat-based Actions	Reservoirs & Large Lakes	West Kootenay
10	COL-F22-F-3569-DCA	<p><b>Supporting white sturgeon recovery in the Columbia River</b>  <i>F22 Upper Columbia Sturgeon</i> This ongoing project, implemented through BC Hydro’s White Sturgeon Management Plan under the Columbia River Water Use Plan, is contributing to the White Sturgeon Conservation Aquaculture Program in the Canadian portion of the Columbia River Basin.</p>	Freshwater Fisheries Society of BC	\$ 75,000	Species-based Actions	Rivers & Riparian	West Kootenay
<b>Annual and Ongoing Fish Project Total:</b>				<b>\$2,273,850</b>			

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#	Project ID	2021–2022 Grant-based Wildlife Projects	Project Lead	FWCP Funding	Project Type	Action Plan Alignment	Sub-region
11	COL-F22 W-3439	<p><b>Improving bighorn sheep movement and forage</b> <i>Hatchery Ridge Bighorn Sheep Ecosystem Enhancement Project</i></p> <p>The goal of this project is to improve bighorn sheep sightlines for predator detection, to ease sheep movement, and to increase habitat connectivity through a treatment of manual slashing, piling, and burning.</p> <p>This project builds on, and links with, existing efforts to improve bighorn sheep habitat, such as invasive plant control and seeding. It should lead to lower predation and improved forage across a broader area.</p>	Rocky Mountain Trench Natural Resource Society	\$ 60,000	Habitat- based Actions	Small Lakes	East Kootenay
12	COL-F22 W-3442	<p><b>Assessing rare wetland importance</b> <i>Connectivity Value of a Wetland Ecosystem to Columbia River</i></p> <p>This project will provide a preliminary assessment of the importance of a relatively rare wetland ecosystem that provides connectivity between upland habitats and the Columbia River near Castlegar.</p> <p>Field data on wildlife and plant species will support future potential protection for this wetland ecosystem.</p>	Evan McKenzie Ecological Research	\$ 5,000	Land Securement	Wetland & Riparian	West Kootenay



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13	COL-F22 W-3451	<p><b>Restoring wetland habitat</b> <i>Advancing Wetland Stewardship &amp; Restoration in the Kootenays: Year 4</i> This project will support the restoration of wetland habitat at three sites in our Columbia Region:</p> <ol style="list-style-type: none"> <li>1) Creston: A minimum 2.8 ha of wetlands will be restored and a minimum of 100 ha of floodplain habitat on Yaqaan Nukiy lands will be reconnected.</li> <li>2) Trail: Two ha of streams and wetlands habitat will be restored.</li> <li>3) Newgate: A minimum of three ha of wetlands will be restored as part of the Earl Ranch Wetland Restoration Project.</li> </ol>	British Columbia Wildlife Federation	\$ 250,840	Habitat-based Actions	Wetland & Riparian	Basin-wide
14	COL-F22 W-3466	<p><b>Addressing invasives in the East Kootenay</b> <i>Invasive Plant Management on Bighorn Sheep Winter Ranges: Year 5</i> This multi-year project will provide a multi-stakeholder framework to minimize and contain invasive plant species and maintain biodiversity and ecological function in the upper Elk Valley. It will have an emphasis on areas of high habitat value (such as bighorn sheep habitat and conservation properties).</p> <p>With an effective plan in place, multi-stakeholder groups will work collaboratively to coordinate and implement a management plan designed to prevent, educate, inventory, contain, reduce, and monitor invasive plant species in identified priority areas.</p>	Ministry of Forests, Lands, Natural Resource Operations and Rural Development	\$ 20,000	Habitat-based Actions	Upland & Dryland	East Kootenay

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15	COL-F22 W-3467	<p><b>Supporting white-tailed deer in the Columbia Mountains</b> <i>Monitoring White-tailed Deer in the Columbia Mountains: Year 4</i></p> <p>This multi-year project will evaluate factors influencing white-tailed deer populations in the Columbia Mountains to support mountain caribou management decisions in a high-stakes socio-economic landscape.</p> <p>This project will also collect baseline data to evaluate the efficacy of white-tailed deer reductions via increased hunter harvest. Understanding and monitoring additional limiting factors that may be preventing caribou population growth is critical for effective adaptive management and recovery.</p>	Robert Serrouya	\$ 38,910	Species-based Actions	Upland & Dryland	North Columbia
16	COL-F22 W-3479	<p><b>Improving habitat for at-risk swallows</b> <i>Upper Columbia Swallow Habitat Enhancement Project: Year 1</i></p> <p>This multi-year project aims to conserve and enhance habitat for at-risk bank and barn swallows in the North Columbia.</p> <p>Specific site plans will be developed to restore bank swallow breeding habitat that has been lost. Increasing the connectivity of breeding habitat and enhancing breeding sites will allow for increased abundance of at-risk swallows, which are facing a significantly sharp population decline.</p>	Wildsight Golden	\$ 21,950	Habitat-based Actions	Wetland & Riparian	North Columbia

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17	COL-F22 W-3481	<p><b>Addressing invasives in the East Kootenay</b> <i>Elk Valley Invasive Plant Management: Year 2</i> This multi-year project will provide a multi-stakeholder framework to minimize and contain invasive plant species and maintain biodiversity and ecological function in the upper Elk Valley with an emphasis on areas of high habitat value (such as bighorn sheep habitat and conservation properties).</p> <p>With an effective plan in place, multi-stakeholder groups will work collaboratively to coordinate and implement a management plan designed to prevent, educate, inventory, contain, reduce, and monitor invasive plant species in identified priority areas. This project will benefit bighorn sheep, elk, moose, white-tailed deer, mule deer, and grizzly bears.</p>	East Kootenay Invasive Species Council	\$ 26,934	Habitat- based Actions	Upland & Dryland	East Kootenay
18	COL-F22 W-3483	<p><b>Conserving at-risk turtles in the East Kootenay</b> <i>Using Western Painted Turtle Ecology to Inform Mitigations: Year 1</i> This multi-year project builds on the outcomes from an FWCP Seed Grant that incorporated citizen science to collect information on western painted turtles crossing the Jaffray Baynes Lake Road.</p> <p>This new project will collect additional data to address gaps in research, advance baseline knowledge of the turtle populations, and inform effective mitigation measures to support the continued presence of turtles in Baynes Lake.</p>	Baynes Lake Community Society	\$ 39,835	Species- based Actions	Small Lakes	East Kootenay

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19	COL-F22 W-3485	<p><b>Filling information gaps about pollinators in the West Kootenay</b> <i>Floral Relations of Native Bees in Camas Meadows: Year 2</i> This multi-year project will document native bee abundance, diversity, and habitat use in wet camas meadows in the West Kootenay.</p> <p>Camas is a vital food plant for First Nations, and Indigenous cultivation likely supported high pollinator diversity in the past. Pollination sustains native ecosystem health and function, but little is known about the identity, status, and habitat use of native bees, and pollinator-plant relationships in these ecosystems.</p> <p>Eco-cultural restoration of these meadows requires good baseline data to inform conservation efforts and measure the recovery of bio-cultural diversity.</p>	Kootenay Native Plant Society	\$ 34,014	Research & Information Acquisition	Wetland & Riparian	West Kootenay

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20	COL-F22 W-3487	<p><b>Supporting endangered East Kootenay whitebark pine</b> <i>Whitebark Pine Planting in East Kootenay Wildfire Areas: Year 4</i> This multi-year project will support whitebark pine recovery by planting an estimated 25,000 seedlings at a density of 500-800/ha, improving growing conditions for naturally regenerating trees, and working with industry to improve management approaches.</p> <p>Whitebark pine is a keystone species of high-elevation ecosystems. It provides important food for wildlife. Due to the introduced white pine blister rust, mountain pine beetle, changes to fire regimes, and climate change, numbers of whitebark pine have dramatically decreased, leading to its designation as Endangered under the Species at Risk Act.</p>	Moody Tree	\$ 64,783	Species-based Actions	Upland & Dryland	Basin-wide
21	COL-F22 W-3488	<p><b>Improving habitat and connectivity in the East Kootenay</b> <i>Kootenay River Ranch Land Stewardship Activities</i> This project will support forest restoration and invasive plant management to improve the viability of biodiversity on the Kootenay River Ranch Conservation Area near Canal Flats.</p> <p>The project will help build resilience in a regionally important ecosystem susceptible to the impacts of climate change. It will benefit grizzly bear, mule deer, elk, Lewis’s woodpecker, flammulated owl, American badger, and other species.</p>	Nature Conservancy of Canada	\$ 26,000	Habitat-based Actions	Upland & Dryland	East Kootenay

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#	Project ID	2021–2022 Grant-based Wildlife Projects	Project Lead	FWCP Funding	Project Type	Action Plan Alignment	Sub-region
22	COL-F22 W-3492	<p><b>Creating pollinator habitat</b>  <i>Bummers Flats Pollinator Meadow Restoration: Year 1</i> This multi-year project aims to create a biologically diverse and functioning herbaceous plant community to attract a wide range of native pollinators and discourage invasive species.</p> <p>Approximately one ha of a levee, formerly sprayed with herbicides, will be planted, monitored, and adaptively managed over the next five years—following a rigorous experimental design that can inform future pollination restoration projects.</p>	KinSeed Ecologies	\$ 28,960	Habitat-based Actions	Upland & Dryland	East Kootenay
23	COL-F22 W-3494	<p><b>Youth crews steward conservation lands</b>  <i>NTBC-Land Stewardship Activities F22: CYC Program: Year 3</i> This multi-year project will focus youth crew work on operations and stewardship projects that maintain and enhance biodiversity and wildlife values on conservation properties.</p> <p>This project also has the added benefit of providing crew members with important work-related experience in a field they are interested in pursuing as a career.</p>	The Nature Trust of British Columbia	\$ 27,500	Habitat-based Actions	Upland & Dryland	Basin-wide

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24	COL-F22 W-3507	<p><b>Improving riparian function by removing invasives</b> <i>Kootenay Riparian Invasive Plant Removal: Year 1</i> This multi-year project will support the development and implementation of a multi-year plan for removing invasive yellow flag iris and purple loosestrife along the West Arm of Kootenay Lake and the Kootenay River downstream to the Brilliant Dam.</p> <p>This will improve riparian ecosystem function, protect high-value conservation areas, and increase awareness and long-term stewardship among local residents.</p>	Central Kootenay Invasive Species Society	\$ 34,334	Habitat- based Actions	Rivers & Riparian	West Kootenay
25	COL-F22 W-3510	<p><b>Reducing wildlife highway mortalities in the East Kootenay</b> <i>Safe Passages for Wildlife in the Southern Canadian Rockies: Year 2</i> This multi-year project is working to improve wildlife connectivity and human safety along Highway 3 in the southern Canadian Rockies by identifying hotspots for wildlife collisions and crossings that would benefit from highway mitigation.</p> <p>This year, there will be a focus on improving the movement of wildlife under the Alexander Bridge, fencing from Carbon Bridge to Alexander Bridge, and finalizing a concept report and strategic funding plan for the Alexander Michel Overpass.</p>	Ministry of Forests, Lands, Natural Resource Operations and Rural Development	\$ 50,000	Habitat- based Actions	Upland & Dryland	East Kootenay

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26	COL-F22 W-3511	<p><b>Reducing grizzly bear conflicts</b> <i>Grizzly Bear Coexistence Solutions: Year 2</i> This multi-year project will promote coexistence between grizzly bears and rural residents through education, collaboration, and the use of practical tools, such as correctly installed electric fencing. This will help prevent bear conflicts and associated grizzly bear mortalities in the low-elevation linkage habitats that often overlap with agricultural lands.</p> <p>As conflicts are reduced, there will be improved grizzly bear conservation status in the region, including enhanced connectivity between core grizzly bear populations.</p>	Sanders Environmental Services	\$ 25,000	Species- based Actions	Upland & Dryland	Basin-wide
27	COL-F22 W-3516	<p><b>Conserving bighorn sheep in the North Columbia</b> <i>Golden Rocky Mountain Bighorn Sheep Project: Year 2</i> This multi-year project will document the movements of bighorn sheep in the Golden-Kicking Horse River area and collect baseline health data.</p> <p>Movement data will be used to minimize negative impacts on this herd during spring 2021 highway construction work. Data will be used to adapt highway crossing structures and determine the appropriate population size of this herd. Important habitat features (such as lambing areas) will also be identified, and the habitat analyses will inform future habitat-enhancement projects. DNA samples will be used to explore questions of genetic inbreeding in this isolated mountain herd.</p>	Golden District Rod and Gun Club	\$ 7,500	Species- based Actions	Upland & Dryland	North Columbia



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28	COL-F22 W-3518	<p><b>Establishing and monitoring bat abundance and diversity</b> <i>Establishing and Monitoring Bat Abundance and Diversity: Year 5</i> This multi-year project will employ the North American Bat Monitoring protocol to establish baseline diversity and relative abundance of bats and to monitor provincial trends</p> <p>In earlier years of this project, sentinel monitoring sites were established, new roosts located, and important aspects of bat ecology identified. This monitoring is well-timed to provide a benchmark against which to measure future declines, spatial changes in diversity, and the effectiveness of mitigation/recovery strategies in preparation for the arrival of white-nose syndrome.</p>	Wildlife Conservation Society Canada	\$ 64,176	Species-based Actions	Upland & Dryland	Basin-wide
29	COL-F22 W-3530	<p><b>Restoring wetland and riparian habitat for waterfowl, fish, and wildlife</b> <i>Ducks Unlimited Canada FWCP Columbia Region Partnership: Year 2</i> This multi-year project, delivered in partnership with the Northern Leopard Frog Recovery Team and Indigenous communities such as the Lower Kootenay Band, aims to restore wetland and riparian habitat for waterfowl, fish, and wildlife.</p> <p>The project will restore high-priority habitats to maximize conservation benefits beyond waterfowl in the Columbia Region.</p>	Ducks Unlimited Canada	\$ 75,000	Habitat-based Actions	Wetland & Riparian	East Kootenay

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30	COL-F22 W-3532	<p><b>Protecting endangered northern leopard frogs from invasive bull frogs</b> <i>Northern Leopard Frog Preservation and American Bullfrog Control: Year 5</i> This multi-year project aims to conduct a comprehensive and targeted surveillance and eradication program on American bullfrogs.</p> <p>The intent of this project is to protect the productivity of the wetland ecosystem and habitats required by endangered northern leopard frogs from the highly invasive American bullfrog. Controlling bullfrogs will enhance potential habitat for northern leopard frogs—as well as many other native species throughout the wetlands of the Creston Valley—and support ongoing efforts to ensure their long-term survival.</p>	Central Kootenay Invasive Species Society	\$ 56,299	Species-based Actions	Wetland & Riparian	West Kootenay
31	COL-F22 W-3541	<p><b>Enhancing habitat for bighorn sheep and ungulates</b> <i>Kicking Horse Canyon Habitat Enhancement Project: Year 1</i> This multi-year project will support enhancing ungulate habitats in two locations near the Town of Golden:</p> <ol style="list-style-type: none"> <li>1) The south-facing winter range habitat at Vacation Creek.</li> <li>2) The Douglas fir ecosystems adjacent to the TransCanada Highway at the town boundary.</li> </ol> <p>The goals of this project are to maintain previously treated ungulate winter range for Rocky Mountain elk, create a connectivity corridor between seasonal habitats, and increase forage availability for Blue-listed bighorn sheep.</p>	Golden District Rod and Gun Club	\$ 33,345	Habitat-based Actions	Upland & Dryland	North Columbia

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32	COL-F22 W-3557	<p><b>Conserving Cottonwood Lake</b> <i>Land Securement for Conservation Purposes at Cottonwood Lake</i> In 2018, the residents of Nelson and area learned that 121+ acres of forested slope around Cottonwood Lake were scheduled to be clear-cut.</p> <p>Cottonwood Lake is a beloved gathering place for the community and an important area for conservation. It provides habitat for endangered, at-risk species.</p> <p>The lake feeds two watersheds that, in turn, support between 110–160 km<sup>2</sup> of land. Critically, Cottonwood Lake is home to the region’s best corridor for the Endangered South Selkirk grizzly bear. The goal of the project is to conserve and protect Cottonwood Lake.</p>	Cottonwood Lake Preservation Society on behalf of the Regional District of Central Kootenay	<i>\$ 75,000 for this project will be paid from land securement funds set aside in previous years.</i>	Land Securement	Upland & Dryland	West Kootenay
33	-	<p><b>Supporting community-based projects</b> <i>F22 Community Engagement Grant</i> Our Columbia Region board approved funding for <a href="#">Community Engagement Grants</a>. These grants of up to \$1,000 support multiple projects led by stewardship groups, First Nations, and others to benefit fish and wildlife throughout the year.</p>	TBD	\$ 7,500	-	-	Basin-wide
<b>Wildlife Project Total:</b>				<b>\$ 997,880</b>			

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34	COL-F22 W-3495- DCA	<p><b>Restoring and enhancing wetlands</b> <i>F22 Wetland and Riparian Enhancement</i> The goal of this annual and ongoing project is to deliver wetland restoration work, continue to develop new projects, and monitor completed projects. Developing new projects includes identifying candidate restoration sites, compiling background information, conducting a pre-treatment inventory of sites, working with a wetland specialist to complete restoration plans, and developing the partnerships, permits, and budgets necessary to implement restoration projects.</p> <p>An effectiveness evaluation of FWCP-funded wetland conservation efforts—including creation, enhancement, and restoration—is currently underway. Results of this evaluation will inform future FWCP wetland conservation efforts.</p>	Ministry of Forests, Lands, Natural Resource Operations and Rural Development	\$ 205,282	Habitat- based Actions	Wetland & Riparian	Basin-wide
35	COL-F22 W-3497- DCA	<p><b>Enhancing habitat for non-game species</b> <i>F22 Non-game Enhancement</i> This annual and ongoing project focuses on non-game species and includes a variety of activities that maintain and enhance critical habitat, such as the roosting, denning, and nesting features important for the reproduction and survival of species impacted by reservoir footprint habitat losses.</p>	Ministry of Forests, Lands, Natural Resource Operations and Rural Development	\$ 202,295	Habitat- based Actions	Small Lakes	Basin-wide

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## FWCP Columbia Region 2021–2022 Project List

#	Project ID	2021–2022 Annual and Ongoing <sup>2</sup> Wildlife Projects	Project Lead	FWCP Funding	Project Type	Action Plan Alignment	Sub-region
36	COL-F22 W-3499- DCA	<p><b>Supporting northern leopard frog recovery</b> <i>F22 Northern Leopard Frog Recovery</i> This annual and ongoing project involves conducting inventory, monitoring, and stewardship of the endangered northern leopard frog population at the Creston Valley Wildlife Management Area.</p> <p>This population hosts the majority of the remaining northern leopard frogs in B.C. It serves as the source population for re-introductions to the Upper Kootenay and Brisco areas, and for captive assurance populations at the Vancouver Aquarium and Calgary Zoo.</p>	Ministry of Forests, Lands, Natural Resource Operations and Rural Development	\$ 209,363	Species-based Actions	Wetland & Riparian	Basin-wide
37	COL-F22 W-3500- DCA	<p><b>Supporting caribou recovery</b> <i>F22 Caribou Recovery</i> This annual and ongoing project is a multi-agency effort led by the Province of B.C. to recover threatened caribou sub-populations. To date the FWCP has supported caribou recovery by assisting with population monitoring, transplants, providing information on predator-prey dynamics, and identifying potential habitat-restoration activities.</p>	Ministry of Forests, Lands, Natural Resource Operations and Rural Development	\$ 111,088	Species-based Actions	Upland & Dryland	Basin-wide

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38	COL-F22 W-3501- DCA	<p><b>Enhancing East Kootenay ecosystems</b>  <i>F22 East Kootenay Ecosystem Enhancement</i> This annual and ongoing project will focus on the oversight, coordination, and implementation of restoration activities in East Kootenay upland and dryland ecosystems, including prescription development, slashing, piling, pile burning, masticating, burn-planning, prescribed burning, post-burn monitoring, and reporting.</p>	Ministry of Forests, Lands, Natural Resource Operations and Rural Development	\$ 336,834	Habitat-based Actions	Upland & Dryland	East Kootenay
39	COL-F22 W-3502- DCA	<p><b>Stewardship of conservation lands</b>  <i>F22 Land Management Operations</i> This annual and ongoing project focuses on the coordination, oversight, and implementation of land stewardship activities associated with conservation lands.</p>	Ministry of Forests, Lands, Natural Resource Operations and Rural Development	\$ 300,734	Habitat-based Actions	Upland & Dryland	Basin-wide
40	COL-F22 W-3503- DCA	<p><b>Enhancing West Kootenay ecosystems</b>            This project focuses on the oversight, coordination, and implementation of restoration activities in West Kootenay upland and dryland ecosystems, including prescription development, slashing, piling, prescribed burn-planning, burning, post-burn monitoring, and reporting.</p>	Ministry of Forests, Lands, Natural Resource Operations and Rural Development	\$ 249,895	Habitat-based Actions	Upland & Dryland	West Kootenay

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41	COL-F22 W-3506- DCA	<p><b>Land securement in our Columbia Region</b>  <i>F22 Land Securement</i> Annual funding is set aside by the FWCP’s Columbia Region board to support priority land acquisition projects that strongly align with Columbia Region action plan priorities and support participation on land securement committees.</p> <p>Land securement is a priority action for all ecosystems in the FWCP’s Columbia Region.</p>	Ministry of Forests, Lands, Natural Resource Operations and Rural Development	\$ 47,345	Land Securement	Upland & Dryland	Basin-wide
<b>Annual and Ongoing Wildlife Project Total:</b>				<b>\$ 1,662,836</b>			

## FWCP Columbia Region 2021–2022 Project List

#	Project ID	2021–2022 Fish Directed Projects	Proponent	FWCP Funding	Project Type	Action Plan Alignment	Sub-region
42	-	<p><b>Supporting First Nations delivery of FWCP-directed fish projects</b>  <i>First Nations-led Directed Fish Projects</i> First Nations are identifying directed fish projects to lead and deliver in F22. Work will include the prioritization of projects, development of work scope, and project implementation. All projects delivered will align with the FWCP’s Columbia Region action plans.</p>	Ktunaxa Nation, Okanagan Nation Alliance, and Secwepemc Nation	\$ 225,000	-	-	Basin-wide
#	Project ID	2021–2022 Wildlife Directed Projects	Proponent	FWCP Funding	Project Type	Action Plan Alignment	Sub-region
43	-	<p><b>Supporting First Nations delivery of FWCP-directed wildlife projects</b>  <i>First Nations-led Directed Wildlife Projects</i> First Nations are identifying directed wildlife projects to lead and deliver in F22. Work will include the prioritization of projects, development of work scope, and project implementation. All projects delivered will align with the FWCP’s Columbia Region action plans.</p>	Ktunaxa Nation, Okanagan Nation Alliance, and Secwepemc Nation	\$ 225,000	-	-	Basin-wide
<b>Directed Projects Total:</b>				<b>\$ 450,000</b>			
<b>2021-2022 Project Spend Total:</b>				<b>\$ 5,670,112</b>			