

Project #: WR0000207 & WR0000567
Project Title: Queens Bay Wildfire Risk Reduction Planning and Treatment
Organization: Regional District of Central Kootenay
Primary Purpose: Wildfire Risk Reduction
FLNRORD Region: Kootenay-Boundary
FLNRORD Natural Resource District: Selkirk
Closest Communities: Balfour, Queens Bay
Job Estimate (Direct, Indirect and Induced FTEs): 3.5
FESBC APPROVED FUNDING: \$423,640



Project Description Summary:

The community of Queens Bay, on the west shore of Kootenay Lake, B.C., has demonstrated a proactive approach to wildfire mitigation and was the first in the Regional District of Central Kootenay (RDCK) to achieve Community FireSmart Recognition in 2015. To build on their FireSmart goals, two treatment units have been identified in the RDCK Electoral Area E Community Wildfire Protection Plan (CWPP) as priority areas. This project focuses on the planning and treatments to reduce the wildfire risk on these two treatment areas north and south of the small community of Queens Bay. Cooper Creek Cedar's harvesting activities on one of the treatment areas reduced forest fuels by minimizing tree-to-tree contact while retaining fire-resistant species and enhancing post-harvest residual fibre clean-up. Increased utilization was achieved by hauling the residual fibre to the nearby Mercer-Celgar pulp mill. By minimizing the amount of residual fibre being burnt, greenhouse gas emissions were also reduced. The second treatment will focus on the wildfire risk on an area south of the community by changing potential fire behaviour. By applying FireSmart principles and reducing the inter-tree density, pruning the branches, and reducing the surface fuels, the treatments will reduce the threat of wildfire risk to the community of Queens Bay.

Current Project Status: Active

"Through the support FESBC has provided, this project will drastically reduce the risk of wildfire posed to the community of Queens Bay."

Joel Hamilton, Wildfire Mitigation Supervisor, Regional District of Central Kootenay



Project #:WR0000655Project Title:Cranbrook Wildfire Risk Reduction Prescription DevelopmentOrganization:Rocky Mountain Trench Natural Resources SocietyPrimary Purpose:Wildfire Risk ReductionFLNRORD Region:Kootenay-BoundaryFLNRORD Natural Resource District:Rocky MountainClosest Community:CranbrookJob Estimate (Direct, Indirect and Induced FTEs):.5

Forest Enhancement Society of British Columbia



Project Description Summary:

FESBC APPROVED FUNDING: \$37,665

This project focused on the development of fuel management prescriptions for priority areas with the goal of reducing wildfire risk near the City of Cranbrook. The work was completed by Ktunaxa Nation-owned natural resource consulting company Nupqu with the support of the local regional district.

Current Project Status: Complete

"Fuel management prescriptions were prepared around the City of Cranbrook by a Registered Forestry Professional employed by Nupqu, a natural resource management consulting company owned by the communities of the Ktunaxa Nation, and in cooperation with staff at the Rocky Mountain Natural Resource District."



Project #:WR0000680Project Title:?aq'am Prescribed BurnOrganization:Rocky Mountain Trench Natural Resources SocietyPrimary Purpose:Wildfire Risk ReductionFLNRORD Region:Kootenay-BoundaryFLNRORD Natural Resource District:Rocky MountainClosest Community:CranbrookJob Estimate (Direct, Indirect and Induced FTEs):.5FESBC APPROVED FUNDING:\$36,516



Project Description Summary:

This project was a partnership between the BC Wildfire Service and the community of ?aq'am, located five kilometres from Cranbrook, B.C. within the traditional territory of the Ktunaxa Nation. Project activity included a prescribed burn on close to 182 hectares of Crown land for grassland ecosystem restoration and wildfire fuel management. Benefits include habitat improvement for badgers, Lewis woodpecker, elk and mule deer.

Current Project Status: Complete

"The ?aq'am prescribed burn is a perfect example of a partnership and sharing of common goals for ecosystem restoration using low intensity fire. Indigenous peoples traditionally used fire for many reasons--improving game habitat, enhancing the productivity of berry and root crops, and creating defensive nightlines. Sharing existing roads allowed for a logical burn unit to be developed on both provincial Crown land and ?aq'am land. A joint command between the BC Wildfire Service and ?aq'am successfully met burn objectives for this project area in May 2018."



Project #:WR0000682Project Title:Silver Springs Wildfire Risk Reduction TreatmentOrganization:Rocky Mountain Trench Natural Resources SocietyPrimary Purpose:Wildfire Risk ReductionFLNRORD Region:Kootenay-BoundaryFLNRORD Natural Resource District:Rocky MountainClosest Community:CranbrookJob Estimate (Direct, Indirect and Induced FTEs):1FESBC APPROVED FUNDING:\$69,555



Project Description Summary:

The goal of this project was to complete fuel management treatments to reduce wildfire risk to the City of Cranbrook and Area C in the Regional District of East Kootenay. Additional project benefits included habitat restoration for wildlife and improved rangeland grazing conditions for cattle.

Current Project Status: Complete

"The Silver Springs fuel management treatment project utilized FESBC funding to effectively address ecosystem restoration, range management and wildfire risk reduction adjacent to the City of Cranbrook, BC. This treated area ties into existing and future wildfire risk reduction treatment units."



Project #: WR0000683

Project Title: Cranbrook Community Forest/College of the Rockies Wildfire Risk Reduction Treatment

Organization: Rocky Mountain Trench Natural Resources Society

Primary Purpose: Wildfire Risk Reduction
FLNRORD Region: Kootenay-Boundary
FLNRORD Natural Resource District: Rocky Mountain
Closest Community: Cranbrook
Job Estimate (Direct, Indirect and Induced FTEs): 1
FESBC APPROVED FUNDING: \$78,078



Project Description Summary:

The Cranbrook Community Forest and College of the

Rockies project was primarily focused on wildfire risk reduction. The work included fuel management and ecosystem restoration treatments to protect and restore Crown land adjacent to the City of Cranbrook and the College of the Rockies.

A local logging company was hired to remove commercial timber and pulpwood and all harvesting and postharvest slash was ground on site and delivered to the Skookumchuck Pulp Mill's co-generation bioenergy facility. Grinding of the slash waste avoided any burning on site and possible air quality impact on the adjacent City of Cranbrook.

The commercial harvesting of sawlogs and pulpwood reduced the cost of post-harvest slashing because it was done at the same time as the commercial harvesting by the same contractor. Further fuel management treatments were completed using a portable chipper on steeper and more sensitive sites.

Current Project Status: Complete

"The project was completed with cooperation between the City of Cranbrook, the Regional District of East Kootenay, the College of the Rockies and the Rocky Mountain Natural Resources District. The project was considered a huge success and to be an excellent example of cooperation between multiple levels of government, NGOs and the private sector."



Project #:WR0000704Project Title:Westview Estates - Landscape Fuel BreakOrganization:Rocky Mountain Trench Natural Resources SocietyPrimary Purpose:Wildfire Risk ReductionFLNRORD Region:Kootenay-BoundaryFLNRORD Natural Resource District:Rocky MountainClosest Community:CranbrookJob Estimate (Direct, Indirect and Induced FTEs):1FESBC APPROVED FUNDING:\$56,320



Project Description Summary:

This project was a wildfire fuel management project involving the removal of small trees for near the rural community of Westview Estates. Secondary project benefits included improved wildlife browsing and cattle grazing.

Current Project Status: Complete

"The Westview Estates project utilized FESBC funding to effectively address ecosystem restoration, range management and wildfire risk reduction adjacent to the City of Cranbrook, BC. In addition, this treated area ties into existing and future wildfire risk reduction treatment units."



Project #: WR0000450
Project Title: Arrow Mountain Wildfire Risk Reduction
Organization: Creston Valley Forest Corporation
Primary Purpose: Wildfire Risk Reduction
FLNRORD Region: Kootenay-Boundary
FLNRORD Natural Resource District: Selkirk
Closest Community: Creston
Job Estimate (Direct, Indirect and Induced FTEs): 6
FESBC APPROVED FUNDING: \$666,631



Project Description Summary:

The town of Creston BC is located less than one kilometre south of Arrow Mountain. Given the town's close proximity to a densely forested area, concerns have steadily grown regarding the danger Arrow Mountain would pose to the community if a wildfire were to start. The goal of this project is to reduce forest fuel to reduce the risk of wildfires to the community of Creston through fuel management activities such as overstory thinning, and the removal of ladder and ground fuels. These alterations to the current forest conditions should reduce wildfire behaviour to allow for more successful containment in the event of a wildfire, which would result the protection of homes.

Current Project Status: Active

"We're a nonprofit organization so we don't have the resources to do a large-scale project all at once without financial support. FESBC funding is allowing us to make a significant impact in terms of the area we're able to address to reduce wildfire risk to communities close to Arrow Mountain by creating a landscape-level fuel break."

Kelsey Syfchuck, RFT, Creston Community Forest



Project #: WR0000644

Project Title: Fuel Reduction Treatments in the RDCK Near Canyon, Lister, and Kokanee Park

Organization: Regional District of Central Kootenay

Primary Purpose: Wildfire Risk Reduction
FLNRORD Region: Kootenay-Boundary
FLNRORD Natural Resource District: Selkirk
Closest Community: Creston / Nelson
Job Estimate (Direct, Indirect and Induced FTEs): 2
FESBC APPROVED FUNDING: \$201,994



Project Description Summary:

This project aimed to reduce wildfire risk near the communities of Canyon and Lister, and in Kokanee Provincial Park. These areas were identified as high priority areas for fuel management treatments in the Regional District of Central Kootenay Community Wildfire Protection Plan.

Current Project Status: Complete

"The goal of this project was to remove excessive fuel loading in the understory and create stand conditions that will enable fire fighters to extinguish wildfires within the community safely and effectively. We retained and encouraged deciduous tree and shrub species to reduce fire behaviour and provide wildlife habitat and minimized surface fuel by pile burning, chipping and spreading, or chipping and hauling slash accumulations. After the project, disturbed areas were rehabilitated."

Joel Hamilton, Wildfire Mitigation Supervisor, Regional EOC Planning Section Chief, Regional District of Central Kootenay



Project #:WR0000569Project Title:Baynes Lake Cemetery Pasture Wildfire Risk Reduction TreatmentOrganization:Rocky Mountain Trench Natural Resources SocietyPrimary Purpose:Wildfire Risk ReductionFLNRORD Region:Kootenay-BoundaryFLNRORD Natural Resource District:Rocky MountainClosest Community:ElkoJob Estimate (Direct, Indirect and Induced FTEs):2FESBC APPROVED FUNDING:\$177,990



Project Description Summary:

This is an interface treatment project located adjacent to the community of Baynes Lake. The goal is to reduce fuel loading near the community using mastication equipment and hand slashing. This will be followed by a prescribed burn and an invasive plant treatment in the spring or fall of 2021. This significant project will tie into neighbouring ecosystem restoration treatments and contribute to a landscape-level fuel break while providing open forest and range ecosystem benefits.

Current Project Status: Active

"Cemetery Pasture is an ecosystem restoration project that supports wildlife and range management while also providing effective wildfire protection benefits to the community of Baynes Lake. FESBC funding was used to leverage additional funders to complete the ground treatment work. "



Project #:WR0000651Project Title:Sheep Mountain Wildfire Risk Reduction TreatmentOrganization:Rocky Mountain Trench Natural Resources SocietyPrimary Purpose:Wildfire Risk ReductionFLNRORD Region:Kootenay-BoundaryFLNRORD Natural Resource District:Rocky MountainClosest Community:ElkoJob Estimate(Direct, Indirect and Induced FTEs):1FESBC APPROVED FUNDING:\$126,000



Project Description Summary:

This project aimed to reduce wildfire risk through reducing fuel loading near the communities of Elko and Baynes Lake. These fuel management treatments also restored wildlife habitat and increased the availability of forage grass for domestic livestock grazing.

Current Project Status: Complete

"This multi-funded project is a fuel management project benefitting the communities of Elko and Baynes Lake, with wildlife and domestic ungulate range management benefits too. Partnership project funding was also obtained from the Fish & Wildlife Habitat Enhancement Program and the Ministry of Forests, Lands, Natural Resource Operations & Rural Development's Land Base Investment Program."



Project #:WR0000654Project Title:Duck Pasture Wildfire Risk Reduction Management TreatmentOrganization:Rocky Mountain Trench Natural Resources SocietyPrimary Purpose:Wildfire Risk ReductionFLNRORD Region:Kootenay-BoundaryFLNRORD Natural Resource District:Rocky MountainClosest Community:ElkoJob Estimate (Direct, Indirect and Induced FTEs):2FESBC APPROVED FUNDING:\$207,066



Project Description Summary:

The goal of this project was to reduce wildfire risk by removing fuel though slashing trees less than 20 centimeters diameter in an area 10 km south of the community of Jaffray, B.C. which is located 20km from Elko, B.C. This was followed by prescribed burning as the wildfire fuel in the area is historically maintained by natural fire activity.

Current Project Status: Complete

"This is an ecosystem restoration project that supports wildlife, range management and ties into a landscapelevel fuel break south of Jaffray, BC. Projects like this one support the maintenance needed in a historically maintained fire ecosystem. It reduces fuel loading, provides open forest and range for species at risk, and contributes to ecosystem resiliency by reducing the potential for catastrophic wildfires."



Project #:WR0000461Project Title:Akisqnuk Wildfire Risk Reduction TreatmentOrganization:Akisqnuk First NationPrimary Purpose:Wildfire Risk ReductionFLNRORD Region:Kootenay-BoundaryFLNRORD Natural Resource District:Rocky MountainClosest Community:Fairmont Hot Springs / AkisqnukJob Estimate (Direct, Indirect and Induced FTEs):4FESBC APPROVED FUNDING:\$510,020



Project Description Summary:

This wildfire risk reduction treatment location is adjacent to the Akisqnuk First Nation reserve on Crown land, just north of the community of Fairmont Hot Springs. Activity will target the removal of non-merchantable stems using hand and mechanized techniques, and the pruning of remaining stems. The outcome of this project will be dramatically reduced fuel loads, risk of catastrophic wildfire, a net carbon sink due to the promotion of large diameter trees, and improved wildlife habitat through returning to a more natural stand structure of open and mixed forest.

Current Project Status: Active



Project #: WR0000700

Project Title: May Creek Wildfire Risk Reduction and Habitat Improvement Treatment

Organization: West Boundary Community Forest

Primary Purpose: Wildfire Risk Reduction

FLNRORD Region: Kootenay-Boundary

FLNRORD Natural Resource District: Selkirk

Closest Community: Grand Forks

Job Estimate (Direct, Indirect and Induced FTEs): 1

FESBC APPROVED FUNDING: \$126,357

Project Description Summary:

This project was a collaboration between the West Boundary Community Forest (WBCF) and the Forest



Enhancement Society of BC (FESBC), with support from the Osoyoos Indian Band, and was focused on the South Area/Kootenay Boundary Region/Selkirk District/Boundary Timber Supply Area, three kilometres west of Grand Forks. The project aim was on reducing excessive fuel loads to mitigate catastrophic wildfire risks and to help mitigate mid-term timber supply shortfalls by facilitating access to marginal stands. Dead and dry pine were converted into bio-energy and wildlife habitat was improved through project activity. Future air quality improvements will be realized by managing emissions related to prescribed fire treatments, as opposed to emissions resulting from a wildfire.

Current Project Status: Complete

"Projects like these, which have local people making local decisions in their local forests, are a hallmark of Community Forests in our province. We are delighted to see many partners come together to produce these excellent results for our forests and communities, and are again so pleased to see the good work made possible by the funding provided through the Forest Enhancement Society of BC."

Jennifer Gunter, Executive Director of the BC Community Forest Association

"Project objectives included reducing excessive fuel loads and continuity to mitigate catastrophic wildfire risks, improving forest health by replacing dead, diseased, and insect-susceptible stand components with a diverse mix of climatically suitable species, and promoting fibre utilization by accessing marginal stands and removing dead and dry lodgepole pine. FESBC gave us the ability to manage these types of challenging stands and properly meet our prescription objectives."

Peter Flett, RPF & Project Manager, West Boundary Community Forest



Project #:WR0000530Project Title:Jewel Lake Fuel Wildfire Risk Reduction ProjectOrganization:West Boundary Community ForestPrimary Purpose:Wildfire Risk ReductionFLNRORD Region:Kootenay-BoundaryFLNRORD Natural Resource District:SelkirkClosest Community:GreenwoodJob Estimate (Direct, Indirect and Induced FTEs):2FESBC APPROVED FUNDING:\$254,100



Project Description Summary:

Jewel Lake is a popular recreational area for tourists and local residents attracting thousands of campers, boaters, fishers, and cottagers every year. There is also a population of permanent residents who reside at Jewel Lake all year. The West Boundary Community Forest is on the north and south facing slopes of this lake valley. This project is focused on reducing the volume of wildfire fuel accumulated over the years that is now posing a high risk to the area. There's only one road providing access into and out of this residential and recreational area, which poses a significant problem in the case of a wildfire. Reducing fuel loading will increase safety for both residents and visitors and help protect the area in the event of a wildfire.

Current Project Status: Active

"This project is located in a very pristine, heavily-used cottaging & recreational area where fuel build-up has become a major issue with no mitigation over decades. With the involvement of FESBC funding we have been able to protect the homes and recreational infrastructure from a catastrophic wildfire while maintaining the aesthetics across this landscape. The onerous task of removing fuels while preserving old growth trees would not have been possible without FESBC funding."

Dan Macmaster, RPF & Forest Manager, West Boundary Community Forest



Project #:WR0000127Project Title:Dry Gulch Forest Fuel ReductionOrganization:Wildlands Eco-Forestry IncPrimary Purpose:Wildfire Risk ReductionFLNRORD Region:Kootenay-BoundaryFLNRORD Natural Resource District:Rocky MountainClosest Community:InvermereJob Estimate (Direct, Indirect and Induced FTEs):5FESBC APPROVED FUNDING:\$589,801



Project Description Summary:

The goal of this project was to reduce wildfire risk in the Dry Gulch Creek area, approximately two kilometres north of the Shuswap Indian Band Reserve, as identified in the Shuswap Indian Band's Community Wildfire Protection Plan. The overall area has also been identified as a wildlife travel connector to the Columbia Wetlands wildlife area. Wildfire fuel management activities included a combination of mechanical and manual tree falling, thinning, removal of ladder fuels, and disposal of removed fibre. It is hoped that this work will reduce the wildfire threat to the local communities.

Current Project Status: Complete

"This is a provincial wildlife management area so there are some specific concerns we needed to consider around maintaining ungulate winter range features. The overall goal was forest management and ecosystem restoration and we added trail rehabilitation and ungulate habitat as additional objectives. Over the last 12 years the Shuswap Band has treated about 1200 hectares of Crown land around the reserve which is critically important to protecting the reserve and surrounding communities. A lot of the Crown land in this area has high to extreme fuel loading, which is why we expanded the Community Wildfire Protection Plan to a five-kilometre radius from a two-kilometre radius. This project was contingent of FESBC funding, which was critical to addressing this treatment area."

Brad Munroe, Wildlands Eco-Forestry Inc.



Project #: WR0000194

Project Title: Kaslo and District Community Forest Society Wildfire Protection Planning

Organization: Kaslo and District Community Forest Society

Primary Purpose: Wildfire Risk Reduction

FLNRORD Region: Kootenay-Boundary

FLNRORD Natural Resource District: Selkirk

Closest Community: Kaslo

Job Estimate (Direct, Indirect and Induced FTEs): 3

FESBC APPROVED FUNDING: \$300,000



Project Description Summary:

Planning and survey activity under this project aims to assist with the development and implementation of a landscape-level wildfire protection plan within the Kaslo and District Community Forest (KDCF) that builds on the existing 2017 Kaslo and Area D Community Wildfire Protection Plan. The KDCF is a 32,417 hectare area in southeastern BC, bordering the western shore of Kootenay Lake within the ecologically diverse West Kootenay Region. The final report will integrate and share stakeholder knowledge and facilitate multi-use planning of operational, recreational and firefighting access to identified, mapped, and flow-rated tactical water sources. Fuel management prescriptions will target uneconomic ground and ladder fuels and aim to preserve merchantable timber.

Current Project Status: Active

"The Kaslo and District Community Forest Society is working now with FESBC to implement WUI RC 1 and 2 Wildfire Risk Reduction zones in our license area. Responding to this need would have been very difficult for a licensee the size of us without the support of the Forest Enhancement Society of BC."

Sabrina Mutterer | Jeff Reyden, RPFs, Management Team, Kaslo and District Community Forest Society



Project #:WR0000531Project Title:Midway Fire Risk Reduction ProjectOrganization:West Boundary Community ForestPrimary Purpose:Wildfire Risk ReductionFLNRORD Region:Kootenay-BoundaryFLNRORD Natural Resource District:SelkirkClosest Community:MidwayJob Estimate (Direct, Indirect and Induced FTEs):1FESBC APPROVED FUNDING:\$94,200



Project Description Summary:

This project area south of Midway, B.C. is very popular for hikers and bikers and the project activity was done to enhance public safety by removing snags and danger trees along the trail system. The goal was to improve overall forest health by removing beetle-infested trees, blow down, trees with heart rot, dead standing trees (snags), and up to 40 per cent of the smaller-diameter Douglas-fir. This is expected to result in fuel mitigation, fir bark beetle control, and increase interpretive forest attributes and improve the trail as a recreational resource. This project will be seen by the thousands of hikers and school groups who regularly use the trail system, providing an excellent opportunity to showcase how integrated forest management can improve both forest health and recreational values.

Current Project Status: Complete

"The funding assistance from FESBC gave us the opportunity to bring in an innovative harvesting/forwarding operation to manage this sensitive area. The removal of fuels and thinning of canopies has provided an excellent fire break for the Village of Midway, while maintaining their forest for the hikers and bikers to enjoy."

Dan Macmaster, RPF & Forest Manager, West Boundary Community Forest



Project #: WR0000541
Project Title: Nakusp Wildfire Risk Reduction Treatment
Organization: Nakusp and Area Community Forest - NACFOR
Primary Purpose: Wildfire Risk Reduction
FLNRORD Region: Kootenay-Boundary
FLNRORD Natural Resource District: Selkirk
Closest Community: Nakusp
Job Estimate (Direct, Indirect and Induced FTEs): 4
FESBC APPROVED FUNDING: \$417,585



Project Description Summary:

The goal of this project is to reduce wildfire risk in areas

identified in the Regional District of Central Kootenay (RDCK) Area 'K' and Nakusp 2018 Community Wildfire Protection Plans as having a high-to-moderate wildfire risk. The intention is to create a series of strategically placed fuel breaks surrounding the community of Nakusp that will act as a last line of defence against an approaching wildfire. Treating these areas will provide opportunities for fire suppression, reduce fire intensity and rate of spread, and complement ongoing FireSmart initiatives. Areas are adjacent to the community and will be part of a series of strategically located treatment sites designed to defend the Village from wildfires. Project outcomes will include the reduction of surface fuel loading, increased height to live crown ratio, decreased stand density, and the removal of dead and dying stems. Keeping overstory and deciduous trees, along with decreased stand density, will also enhance wildlife habitat.

Current Project Status: Active

"This multi-year project proposes to develop fuel management prescriptions for three units in Year 1 (201 hectares) and carry out fuel reduction treatments on 43 hectares in Year 2. The proposed areas are located in the Nakusp WUI and were identified in the 2018 Community Wildfire Protection Plan as having a high-to-moderate wildfire risk. Treatments will reduce the potential of crown fire initiation, rate of spread, and fire intensity by: reducing surface fuel loading, increasing height to live crown ratio, decreasing stand density, and removing dead and dying stems. Access roads will allow for continued stand maintenance and improve suppression opportunities and firefighter access along the highway."

Frances Swan, RPF, Project Manager, Nakusp & Area Community Forest (NACFOR)



Project #:WR0000163 & WR0000566Project Title:Selous Creek Wildfire Risk ReductionPlanning & TreatmentOrganization: Regional District of Central KootenayOrganization:Regional District of Central KootenayPrimary Purpose:Wildfire Risk ReductionFLNRORD Region:Kootenay-BoundaryFLNRORD Natural Resource District:SelkirkClosest Community:NelsonJob Estimate (Direct, Indirect and Induced FTEs):5.5FESBC APPROVED FUNDING:\$580,340



Project Description Summary:

This project is a collaboration between the Regional District of Central Kootenay and the City of Nelson as identified in the Community Wildfire Protection Plan for the area immediately adjacent Nelson city limits, the Nelson Selous Creek water intake, and valuable critical infrastructure including historic trestles on the Burlington Northern Rail Trail. The project involves fuel modification prescriptions for the area which is to be harvested by Kalesnikoff Lumber and will maintain the biodiversity, enhance fire and forest health resilience from the perspective of climate change and reduce the forest fuel hazards through fuel modification treatments. The surface fuels post treatment will be reduced by hauling the residual fibre to the nearby Mercer-Celgar pulp mill. Removing the residual fibre also increases fibre utilization and reduces greenhouse gas emissions by avoiding on-site burning. These activities will reduce wildfire intensity and the overall wildfire risk to the City of Nelson.

Current Project Status: Active

"The implementation phase will aim to treat roughly 70 hectares in four distinct blocks. The objectives are similar to other projects: to minimize aggressive fire behavior and allow suppression crews to work safely to extinguish fires. This area is close to the City of Nelson and critical infrastructure, including public waterworks on Selous Creek. A wildfire in this area could have the potential to threaten areas within the city due to an advancing fire front or by creating an ember shower which could cause significant damage well beyond the fire front. The aim of the prescription was to create a longer-term forest succession plan promoting conditions that will allow for large older trees to live out their lives and offer space for young trees thrive while incorporating climate change considerations. Because of the high tourism values associated with the landscape around Nelson, the visual quality objective for the North Selous area was to retain the visual quality, meaning minimal overall visible alteration."

Joel Hamilton, Wildfire Mitigation Supervisor, Regional EOC Planning Section Chief, Regional District of Central Kootenay

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Project #:WR0000536Project Title:Procter Wildfire Risk Reduction TreatmentOrganization:Harrop-Procter Community Co-operativePrimary Purpose:Wildfire Risk ReductionFLNRORD Region:Kootenay-BoundaryFLNRORD Natural Resource District:SelkirkClosest Community:NelsonJob Estimate (Direct, Indirect and Induced FTEs):2FESBC APPROVED FUNDING:\$234,600



Project Description Summary:

The Regional District of Central Kootenay (RDCK) Area 'E' Community Wildfire Protection Plan and the RDCK Collaborative Planning Group both identified the West Procter Face, one kilometre south of the Village of Procter, as a top priority for wildfire fuel reduction. This project will reduce wildfire risks by significantly reducing fuel loading in a critical interface area. Surface and ladder fuels will be removed and the overstory will be thinned. Project activities include mechanized logging and thinning, log hauling, and post-treatment cleanup to remove surface and ladder fuels with the goal of recovering and utilizing as much of the removed fibre as possible in order to achieve climate change objectives.

The project will rehabilitate a low-value stand and encourage the growth of a more open and diverse forest stand.

Current Project Status: Active

"Because this area had primarily uneconomic fibre, we needed funding support to move the low-value fibre to the pulp mill. This also removed a lot of fuel out of the forest and cleaned up residual fuels. We implemented a thinning fuel treatment, leaving Douglas-fir, larch and deciduous trees and cutting out most of the hemlock and cedar to aim for a partially shaded fuel break. Overall, wildfire risk reduction through thinning and retaining drought and fire resistant trees assists in the climate change adaptation of this forest types. The area is now well on its way to being a transformed forest after replanting with ponderosa pine which is adapted to drier ecosystems and fire. This project also created a lot of work for local contactors who moved over 100 truckloads of fibre to the local pulp mill, which avoided on-site burning and cleaned up the area."

Erik Leslie, RPF, Manager, Harrop-Procter Community Forest



Project #: WR0000590
Project Title: Post Harvesting Wildfire Risk Reduction on Kootenay BCTS Areas
Organization: BCTS Kootenay Business Area
Primary Purpose: Wildfire Risk Reduction
FLNRORD Region: Kootenay-Boundary
FLNRORD Natural Resource District: Selkirk
Closest Community: Nelson
Job Estimate (Direct, Indirect and Induced FTEs): 5
FESBC APPROVED FUNDING: \$609,406



Project Description Summary:

There are two locations for this wildfire risk reduction project--Kokanee Creek (near the community of Longbeach) and Smallwood Creek (near the community of Beasley). Kokanee Creek is on the west arm of Kootenay Lake located approximately 20 km north of Nelson, and Smallwood Creek is located about 14km west of Nelson. The areas near Kokanee Creek have been identified as high to extreme risk for wildfire. The areas located near Smallwood are identified as moderate to extreme and both project areas are adjacent to private lots containing infrastructure. Project activity aims to reduce wildfire risk by removing high hazard fuels, retaining fire resistant tree species, and reducing crown closure and removing surface fuels post harvesting.

Current Project Status: Active

"FESBC is pleased to provide funding to reduce the wildfire risk on an area harvested through BCTS's timber sales program located in the wildfire urban interface area near the communities of Beasley and Longbeach in the West Kootenays."

Gord Pratt, RPF, Operations Manager, FESBC



Project #: WR0000162 & WR0000676
Project Title: Central Kootenay Collaborative Regional Wildfire Risk Reduction Planning Group
Organization: Regional District of Central Kootenay
Primary Purpose: Wildfire Risk Reduction
FLNRORD Region: Kootenay-Boundary
FLNRORD Natural Resource District: Selkirk
Closest Community: Nelson & Surrounding Area
Job Estimate (Direct, Indirect and Induced FTEs): 1
FESBC APPROVED FUNDING: \$74,982



Project Description Summary:

Effective wildfire risk reduction near communities requires good planning and coordination between many stakeholders, which includes the Ministry of Forest, Lands, Natural Resource Operations and Rural Development (including the Districts and BC Wildfire Service staff), local governments, First Nations, forest industry and various public interest groups. This collaborative planning project focused on bringing these parties together to identify priority areas for wildfire risk reduction treatments to determine who should lead and implement the required work.

Some of the areas set as a priority for treatments will be in the wildland urban interface as identified in Community Wildfire Protection Plans (CWPP) throughout the Regional District Central Kootenay. The proposed treatment areas may overlap areas identified for harvesting by any of the local forest licensees. Priority areas of interest include areas on Crown land adjacent to where the wildfire threat is high or extreme based on forest fuel type and proximity to residences and other critical infrastructure.

Current Project Status: Complete

"The objective of this project was to support the RDCK and BC Parks by developing prescriptions for shaded fuel break treatments for four fuel break review areas, totalling over 550 hectares and developing a maintenance prescription for one existing 69 hectare fuel break as described in the West Arm Provincial Park Fire Management Plan. The project was successful and the West Arm Park wildfire management and mitigation was completed in 2018."

Joel Hamilton, Wildfire Mitigation Supervisor, Regional EOC Planning Section Chief, Regional District of Central Kootenay



Project #: WR0000688

Project Title: Fuel Reduction Treatments in the RDCK - Riondel, Kingsgate, Fauquier, and Nelson

Organization: Regional District of Central Kootenay

Primary Purpose: Wildfire Risk ReductionFLNRORD Region: Kootenay-BoundaryFLNRORD Natural Resource District: Selkirk

Closest Community: Nelson Area

Job Estimate (Direct, Indirect and Induced FTEs): 4

FESBC APPROVED FUNDING: \$501,570



Project Description Summary:

This project was for wildfire risk reduction treatments near the communities of Riondel, Kingsgate, Fauquier and the Burlington Rail Trail near Nelson. These areas were identified as high priority areas for fuel management treatments in the Regional District of Central Kootenay's Community Wildfire Protection Plan as being at high risk for wildfires.

Current Project Status: Complete

"The objectives of this project were to increase public safety both within and adjacent to the communities, enhance the ability of the BC Wildfire Service to protect both public and private property at risk, improve natural barriers that reduce the continuity of fuel loads and wildfire risk, demonstrate the principles and practices of FireSmart and vegetation management to community members and the public, and increase the availability and diversity of wildlife habitat through the restoration of open forest conditions."

Joel Hamilton, Wildfire Mitigation Supervisor, Regional EOC Planning Section Chief, Regional District of Central Kootenay



Project #: WR0000182, WR0000236, & WR0000689
Project Title: West Arm Provincial Park & Champion Lakes Park Wildfire Risk Reduction Planning & Treatments
Organization: BC Parks - Kootenay
Primary Purpose: Wildfire Risk Reduction
FLNRORD Region: Kootenay-Boundary

FLNRORD Natural Resource District: Selkirk

Closest Community: Nelson, Fruitvale

Job Estimate (Direct, Indirect and Induced FTEs): 3

FESBC APPROVED FUNDING: \$281,672



Project Description Summary:

This collaborative project involved fuel reduction for close to 50 hectares near Champion Lakes Park, (southeast of Genelle and northwest of of Fruitvale), and wildfire fuel management treatments to create a landscape level fuel break in a 12-hectare area along Lasca Creek Road at West Arm Park.

At Champion Lake the project was intended to reduce wildfire risk to park visitors, park values and infrastructure, nearby private properties, and adjacent Crown and private forest land. There was significant fuel loading in this area due to mountain pine beetle and small diameter conifers. The work included reducing flammable wood in the park by removing sufficient ground and ladder fuels and the thinning and spacing of juvenile trees and pruning of mature trees.

This goal for West Arm Park was to reduce the tree density and woody fuel in order to lower the wildfire risk to the area adjacent West Arm Park. A shaded fuel break was planned that will reduce the risk of wildfire to the adjacent properties, watershed above Nelson, and community, protecting the area and park values. The shaded fuel break also provides opportunities for BC Wildfire crews to have a better chance to fight a fire starting in the park. The treatment reduced the number of stems per hectare and subsequent fuel loading with the goal of lowering wildfire risk to the adjacent area and West Arm Park itself.

Current Project Status: Complete



Project #: WR0000182, WR0000236, & WR0000689

Project Title: West Arm Provincial Park & Champion Lakes Park Wildfire Risk Reduction Planning & Treatments

"As a result of FESBC funding BC Parks has been able to reduce fuel loading around the campground and park infrastructure, create safe muster areas and egress routes in Champion Lakes Park, which is near the community of Fruitvale. Not only will this treatment promote public safety in the event of a wildfire, it also aligns with BC Parks conservation principles and policies to protect ecological, cultural and recreational values within the park. Additionally, this treatment contributes to wildfire prevention of nearby private properties and adjacent Crown and private forest land. This treatment would not have been possible, in this timeframe, without funding from FESBC."

Amanda Weber-Roy, R.P.Bio, P.Ag, Kootenay Conservation Specialist, BC Parks, Ministry of Environment and Climate Change Strategy

"As a result of FESBC funding BC Parks has been able to develop fuel management prescriptions and is in the process of implementing those treatments in West Arm Park, which is a large provincial park immediately adjacent to the City of Nelson. Without FESBC funding the prescription development and subsequent treatments would not have been possible. Treatments are exceptionally expensive, but are essential to preserve the ecological and recreational values in West Arm Park from wildfire. This project was a collaborative effort between the City of Nelson, the Regional District of Central Kootenay, the BC Wildfire Service, the Svoboda Road residents, Anderson Creek Timber and BC Parks, and has contributed to landscape-level wildfire planning and prevention."

Amanda Weber-Roy, R.P.Bio, P.Ag, Kootenay Conservation Specialist, BC Parks, Ministry of Environment and Climate Change Strategy

"These prescriptions are essential for the implementation of the fuel-break development projects to protect park values and, subsequently, adjacent community values and critical infrastructure."

Joel Hamilton, Wildfire Mitigation Supervisor, Regional EOC Planning Section Chief, Regional District of Central Kootenay



Project #:WR0000681Project Title:Westside Koocanusa Lake Wildfire Risk Reduction/ER TreatmentsOrganization:Rocky Mountain Trench Natural Resources SocietyPrimary Purpose:Wildfire Risk ReductionFLNRORD Region:Kootenay-BoundaryFLNRORD Natural Resource District:Rocky MountainClosest Community:NewgateJob Estimate(Direct, Indirect and Induced FTEs):FESBC APPROVED FUNDING:\$215,232



Project Description Summary:

This project focused on wildfire risk reduction in forested areas close to Newgate, B.C., located on Lake Koocanusa. Activity included hand slashing, pile burning, and grass seeding to reduce wildfire risk and enhance forage availability for both wildlife and domestic livestock.

Current Project Status: Complete

"This is primarily a fuel management project benefitting the rural community of Newgate, but it also supports wildlife and...range management. The project was part of the Regional District of East Kootenay's Community Fuel Management Plan where it's identified as an Extreme Fire Hazard Area."



Project #: WR0000635
Project Title: Procter Wildfire Risk Reduction Prescriptions
Organization: Harrop-Procter Community Co-operative
Primary Purpose: Wildfire Risk Reduction
FLNRORD Region: Kootenay-Boundary
FLNRORD Natural Resource District: Selkirk
Closest Community: Procter
Job Estimate (Direct, Indirect and Induced FTEs): .5
FESBC APPROVED FUNDING: \$36,842



Project Description Summary:

This project was aimed at preparing prescriptions for wildfire risk reduction treatments on approximately 140 hectares within the boundaries of the Harrop-Procter Community Forest. The areas were identified in the Regional District of Central Kootenays Community Wildfire Protection Plan as being at high risk of wildfires. The proposed treatments will be coordinated with other forest management objectives for the community forest, including rehabilitation of low-value stands and recovering fibre normally left for burning. As wildfire risk reduction treatments are not a legal requirement, this funding will assist the community forest with the costs of activities over and above normal forest management.

Current Project Status: Complete

"This project was undertaken by the Harrop-Procter Community Forest, a not-for-profit co-operative owned by the residents of the communities of Harrop and Procter near Nelson. There is a high concern about wildfire risk because there is a lot of high-hazard fuels near the community. Given one of our mandates as a community forest is to improve wildfire protection this project was important. We consulted with the community and developed various treatment approaches from mechanical to hand treatments. This was an uneconomic timber area so we wouldn't have been able to write the treatment plan without FESBC funding."

Erik Leslie, RPF, Manager, Harrop-Procter Community Forest

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Project #:WR0000645Project Title:Rock Creek Ecosystem Restoration Prescription DevelopmentOrganization:West Boundary Community ForestPrimary Purpose:Wildfire Risk ReductionFLNRORD Region:Kootenay-BoundaryFLNRORD Natural Resource District:SelkirkClosest Community:Rock CreekJob Estimate (Direct, Indirect and Induced FTEs):.5FESBC APPROVED FUNDING:\$23,000



Project Description Summary:

The primary goal of this project was to develop prescriptions to restore and enhance the ecosystem values for wildlife. As the treatment area is adjacent to the community of Rock Creek, the treatment will also reduce the wildfire risk, improve the health of the stand, and increase fibre utilization by the local sawmill and pulp mill. This will also contribute to the achievement of B.C.'s and Canada's climate change targets.

Current Project Status: Complete

"With FESBC funding we were able to return this forest stand, that was overrun by trees and fuel build up, to a natural, thriving grassland. This funding gave us the ability to properly mitigate the downed fibre and space the trees to a more natural density in this frequently fire-disturbed area."

Dan Macmaster, RPF & Forest Manager, West Boundary Community Forest



Project #: WR0000653

Project Title: Rushmere Ecosystem Restoration & Wildfire Risk Reduction Treatments

Organization: Rocky Mountain Trench Natural Resources Society

Primary Purpose: Wildfire Risk Reduction

FLNRORD Region: Kootenay-Boundary

FLNRORD Natural Resource District: Rocky Mountain

Closest Community: Rushmere

Job Estimate (Direct, Indirect and Induced FTEs): .5

FESBC APPROVED FUNDING: \$24,000



Project Description Summary:

This project was focused on wildfire risk reduction near the community of Rushmere, B.C., located 10 km south of Invermere, B.C. and Rushmere Provincial Park. Activities included the hand slashing of smaller trees, bucking, piling, and pile burning. The project also enhanced access to grazing for wildlife and domestic livestock.

Current Project Status: Complete

"This fuel management project benefits the rural community of Rushmere Estates and Rushmere Provincial Park, but also supports wildlife range management. The project is part of the Regional District of East Kootenay's Community Fuel Management Plan, where it is identified as an Extreme Fire Hazard Area, and is in cooperation with BC Parks."



Project #:WR0000652Project Title:Quartz Lake Wildfire Risk Reduction TreatmentOrganization:Rocky Mountain Trench Natural Resources SocietyPrimary Purpose:Wildfire Risk ReductionFLNRORD Region:Kootenay-BoundaryFLNRORD Natural Resource District:Rocky MountainClosest Community:SkookumchuckJob Estimate (Direct, Indirect and Induced FTEs):.5FESBC APPROVED FUNDING:\$51,026



Project Description Summary:

The primary goal of this project was to remove understory vegetation and potential wildfire fuel in forested areas near Quartz Lake, located east of Skookumchuck, B.C. Other project activities included invasive plant control and grass seeding to reduce wildfire risk.

Current Project Status: Complete

"Quartz Lake is an example of co-operation between government (BC Parks and BC Timber Sales), NGO's, local citizens and First Nations working together to restore an ecosystem historically maintained by low intensity fire. FESBC-funded ground treatments and FESBC's support was used to leverage other funding sources to complete on-the-ground work."



Project #:WR0000126, WR0000477, & WR0000658Project Title:Implementation of Wildfire Risk Reduction Treatments for Slocan AreaOrganization:Slocan Integral Forestry Cooperative (SIFCO)Primary Purpose:Wildfire Risk ReductionFLNRORD Region:Kootenay-BoundaryFLNRORD Natural Resource District:SelkirkClosest Community:SlocanJob Estimate (Direct, Indirect and Induced FTEs):16FESBC APPROVED FUNDING:\$1,725,447

Project Description Summary:

Slocan Integral Forestry Cooperative (SIFCo), the community forest based in the Slocan Valley in the Southern Interior of B.C., is working towards completing their



Landscape Level Strategic Wildfire Protection Plan. The innovative plan lays out 12 Strategic Fuel Management Zones located across main fire movement corridors. These zones create large defendable fuel breaks, each spanning hundreds of hectares. SIFCo's plan articulates five types of treatments to be used in those zones, including an ecosystem restoration treatment type which reintroduces fire through prescribed burns. The 185 hectares of fuel breaks created through this new approach to treatment will leave forest behind and not a bare landscape.

Current Project Status: In Progress

"The grant will go directly toward the treatment of over 300 hectares of land all located within our 12 strategic landscape-level fuel breaks. It's a team effort with FESBC and the ongoing support from the Selkirk Resource District."

Stephan Martineau, Manager, Slocan Integral Forestry Cooperative

"We want lots of large trees in the Strategic Fuel Managed Zones, and want those trees to have good odds of surviving a fire. We get there by reducing fuel loads so the next fire is low intensity. This helps protect the forest ecosystem and is a perfect fit with climate change adaptation. Low fire intensity also means better suppression chances, which helps protect communities."

Tom Bradley, Forestry Supervisor, Slocan Integral Forestry Cooperative



Project #:WR0000724Project Title:Kootenay FireSmart InitiativeOrganization:FESBCPrimary Purpose:Wildfire Risk ReductionFLNRORD Region:Kootenay-BoundaryFLNRORD Natural Resource District:ProvincialClosest Community:VariousFESBC APPROVED FUNDING:\$10,000



Project Description Summary:

The goal of this project was to support the establishment of a FireSmart education program for the Kootenay region, led by the Columbia Basin Trust.

Current Project Status: Complete

"FESBC has been and continues to be a strong supporter of FireSmart and this project helped establish the basis for promoting FireSmart in the Kootenays."

Gord Pratt, RPF, Operations Manager, FESBC



Project #:WR0000648Project Title:Wildfire Risk AnalysisOrganization:Federation of BC Woodlot AssociationsPrimary Purpose:Wildfire Risk ReductionFLNRORD Region:ProvincialFLNRORD Natural Resource District:ProvincialClosest Community:VariousFESBC APPROVED FUNDING:\$7,350



Project Description Summary:

This project was to analyze provincial wildfire threat mapping to render threat class by woodlot, both inside and adjacent to the community wildland-urban interface boundaries. The overview threat mapping for the Cariboo Region was utilized to localize the information so it can be applied to specific woodlots.

Current Project Status: Complete

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Project #: WR0000723
Project Title: FESBC and UBCM Wildfire Risk Reduction Co-funding Program
Organization: Union of BC Municipalities
Primary Purpose: Wildfire Risk Reduction
FLNRORD Region: Provincial
FLNRORD Natural Resource District: Provincial
Closest Community: Various
Job Estimate (Direct, Indirect and Induced FTEs): 18
FESBC APPROVED FUNDING: \$2,134,115



Project Description Summary:

FESBC partnered with the Union of BC Municipalities (UBCM) to provide funding to local governments and First Nations who receive funding for wildfire risk reduction projects on Crown land under the Strategic Wildfire Prevention Initiative and the FireSmart Community Resiliency Investment Community Supports Program.

Current Project Status: Active

"FESBC partnered with the Union of British Columbia Municipalities (UBCM) by providing funding for wildfire risk reduction projects on Provincial Crown land near municipalities, unincorporated communities in Regional Districts, and First Nation communities across B.C. This funding partnership was primarily in place to allow for the transition from the Strategic Wildland Prevention Initiative (SWPI) - the first wildfire risk reduction funding program in the province - to the newer Community Resiliency Investment Program (CRI) focused on all seven of the FireSmart Disciplines, not just forest fuel management which was the focus of SWPI. FESBC co-funded 23 UBCM wildfire risk reduction projects (22 CRI and 1 SWPI) on Provincial Crown land across the province."

Gord Pratt, RPF, Operations Manager, FESBC