

Full Proposal

Full Proposal Details
Full Proposal # :WR0000586
Full Proposal Status : FP Received

Project Information

Terms and Conditions			
To review the terms and conditions click here			
Project Information			
Project Title:	Champion :Lakes Park Forest Fuels Management - TU1	Project Country:	Canada
Primary Purpose:	Wildfire Risk Reduction	Project Location - State/Province:	British Columbia
Project Start Date	10/14/2019	Postal Code	V1C 7G5
Project Completion Date	03/31/2020		

Contact Information

Principal Contact Information			
Principal Contact Name:	Amanda Weber-Roy	City	Cranbrook
Country	Canada	Postal Code	V1C 7G5
Province	British Columbia	Proponent's Organization	BC Parks - Kootenay
Contact Email	amanda.weber-roy@gov.bc.ca	Contact Phone	250 498 9211
Contact Address	205 Industrial Road G		

Project Details

Project Description	
Full Proposal Number	WR0000586
Full Proposal Upload (PDF)	
Region	Kootenay Boundary Region
Resource District	Arrow Boundary Forest District
Management Unit:	TSA 01 Arrow
Project Site Location:	Champion Lakes Park is located in south central BC, access to this park is 6 km north-east of Fruitvale off Highway 3B or 8 km west of the junction of Highway 3 and 3B. From the turn off, it's a 12 km, 20-min drive to the park entrance.
UTM Zone	11
UTM Easting	455922
UTM Northing	5448057
Location Map and Spatial Data File Attachment	Cabin files.kmz Priority zoning EL 16Nov2018.kmz
BEC Variant(s):	ICHdw1
Project Description:	Following the conclusions of a BC Wildfire Service Fire Hazard Assessment, a two-tiered fuel management solution was devised by Cabin Forestry Services in the late fall of 2017 to mitigate the fire hazard. A high-priority intensive treatment unit was established surrounding the most popular park features, including the playground, beach, and parking lot, as well as critical infrastructure. Over two separate entries, the first treatment unit will undergo a staged conversion to a mixed-species shaded fuel break in order to prevent the spread and reduce the intensity of active crown fires, creating safe evacuation corridors from popular sites for egress via vehicle or airborne routes. A second, lower intensity treatment unit was designated around the forests surrounding the campsites and extending west to the parking and boat launch areas of the second lake. This treatment unit will serve to mitigate risk by reducing surface fire behavior, intensity,

	<p>and rate of spread through the reduction of the understory and surface fuel layers. The combination of these two treatment units will serve to reduce the hazard to park visitors during the wildfire season, establishing safe muster zones and evacuation corridors. This prescription is designed to ensure fuel modifications are carried out effectively while minimizing deleterious impacts to ecosystems, soils, and vegetation. Suggestions are made regarding the operational aspects of treatments, as well as the disposal of resultant debris, the timing of treatments, and the reduction of inherent windthrow risks created by intensive crown fuel modification. During the fall and winter of 2018/19 BC Parks has been conducting an understory treatment of TU2 funded by FES and BC Parks. This application is for a 16.9 ha mechanical treatment of TU1. This treatment involves a 16.9 ha high intensity overstory removal to mitigate the risk of active crown fires and establish safe evacuation/egress routes (estimated cost of treatment and stumpage less revenues from the sale of the wood is \$5,000/ha plus \$10,000 for Project Management for a total estimated cost of \$95,000. The project will take place next fall/winter (2019/20) after the breeding bird season and the campground operational season. This project aligns with the FESBC strategic priorities and society goals and addresses the purpose of reducing wildfire risk. BC Parks anticipates either chipping and hauling the chips away or chipping and spreading the chips on-site to decay or selling the debris material as pulp, artisan or firewood. There is a merchantable component to this treatment and the contractor removing those merchantable stems will be responsible for securing a fair and equitable market as well as paying all stumpage fees. The Kootenay Boundary Regional Integrated Investment Specialist, Julie Castonguay is in support of this project and recognizes it is a high priority (Letter of Support attached in Land Manager Sections of this application). This prescription also recommends maintenance requirements and BC Parks intends to ensure each fuelbreak is actively maintained to ensure its effectiveness.</p>
Project Keyword:	Champion :Lakes Park Forest Fuels Management - TU1
Attach Additional Information	BCWS Fire Hazard Assessment Champion Lakes.pdf Champion_Lakes_Park_Gastropod_Survey_Oct_2018.pdf
Is an existing tenure already in place?	No
If no, then please identify the proposed tenures and/or authorities required to complete work.	A Park Use Permit and a Forest/Occupant License to Cut will be required. BC Parks will work with the contractor who is selected via a competitive procurement process to obtain the noted authorizations.
Will your project create a silviculture obligation?	No
If yes, who will hold that obligation?	
Is this project located in the Wildland Urban Interface?	No

Project Activities and Objectives

Project Activities	Overstory Removal Fuel Management Treatments Biomass Utilization Thinning Trucking
FESBC Purposes	Wildfire risk reduction/mitigation Wildlife habitat enhancement Recovery of fibre (lumber, pulp, pellets, energy, etc.)
Describe how the project will achieve the specified purpose(s).	<p>Wildfire risk reduction: -Safe muster zones will be established in the 0.7 ha paved parking lot located 100 meters south of the Third Lake and the playground for marshalling during wildfire events and evacuation by air or ground. The muster zones will be buffered at least 30 meters on all sides by Treatment Unit 1, modifying surface and aerial fuels to an extent sufficient to reduce the hazard of active crown fires. -High priority egress routes will be created to link popular day-use areas, including the beach, playground, and campsites to the safe muster zone and the paved exit road. Treatment Unit 1 will encompass these routes to mitigate the hazard of surface or crown fires inhibiting safe egress. Treatment Unit 2 will create a buffer around the road extending west to the parking lot at the Second Lake, mitigating the hazard of ground fires and enabling an egress route from that section of the park. -Campsite Protection; 95 campsites are located in close proximity between the Second and Third Lakes. Fuels conducive to ground and surface fires will be reduced to mitigate the hazard of fires spreading between campsites, and ladder fuels will be removed to reduce the probability of crown fire initiation. -Critical Infrastructure; BC Parks staff, equipment, and a power generator reside at the service yard. The power lines extending from the generator and a well site located nearby have been designated critical infrastructure and will be protected from crown and ground fire by fuel modification in Treatment Unit 1. Other assets and outbuildings protected by TU 1 include the warming hut and the playground. -Reduce the risk of wildfire to the adjacent properties and community and Crown land thus protecting the WUI zone as well as park values. A shaded fuelbreak would provide opportunities for BC Wildfire Crews to have a chance to fight a fire that started in the park and threatened the nearby homes or fight the fire to protect park values if a fire started from the nearby homes and spread into the park. Wildlife Habitat Enhancement: Wildlife trees, coarse woody debris loading, canopy structure complexity and critical habitat will be maintained to prescribed levels throughout the treatment area. Travel corridors and thermal cover will be provided by this treatment. Recovery of fibre (lumber and pulp): -This project has a merchantable component. We intend to sell/utilize as much of the overstory timber and</p>

	understory biomass as possible as lumber, pulp, fibre for artisans, or firewood to minimize the amount of burning.
Identify the repository for the final deliverables	Ministry of Environment and Climate Change Strategy - BC Parks Kootenay Section, Cranbrook BC
Utilization of Wood Fibre	
If applicable, indicate use of removed fibre or non-burning waste management practices.	During the competitive tendering process for this opportunity BC Parks will ask perspective bidders to secure a market for the understory fibre either as pulp, hog fuel, firewood, artisan or other. If a market cannot be secured chipping will be used as an alternative. Chipping greatly increases the project costs so we will be encouraging and awarding more points in the tendering process if a market can be secured and perspective bidders will be informed of this. Perspective bidders will also need to secure a market for the merchantable overstory timber and pay the required stumpage.
Describe your plan for residual fibre treatment (e.g. burn, or bulldoze/chip/grind and leave to decay).	Treatment specifications in the attached prescription indicate parameters for retaining course and fine fuels. All woody debris outside of these targets must be removed. The intent is to pile and burn or chip and disperse any residual fibre (woody debris) that cannot be utilized.
Will the treatment involve broadcast burning to create plantable spots?	No

Work Standards and Development Status

Applicable Work Standards:	Park Act, BC Parks Tree Removal Policy, BC Parks Conservation Policy, Best Management Practices for Tree Removal in Parks and Protected Areas Planning and Best Management Practices for Tree Removal in Parks and Protected Areas Harvesting Operations and Ministry of Environment's Ventilation Index.
Has a variance to the above listed standards been requested?	No
If yes, please describe the variance request.	
Where government work standards are not available, please upload an auditable workplan. A template can be downloaded in the application template section above.	April 04 - Harvesting.doc
For reference, Ministry Activity Standards can be located at the following URL: http://www2.gov.bc.ca/gov/content/environment/natural-resource-stewardship/land-based-investment/forests-for-tomorrow. You can also find the link in the Information menu.	
First Nations information Sharing:	BC Parks has consulted with First Nations on this project and no concerns were expressed or addtional information shared. Consultation Record attached.
Development Status:	A Park Use Permit as well as an Occupant/Forest License to Cut will be required and will be applied for after funding is in place. Then a contractor will be hired through a competitive procurement process to conduct the treatment and then BC Parks will work with that contractor to acquire the Park Use Permit and Licence to Cut.
If available, please upload approved prescriptions and treatment maps for this project.	Champion_FMP_Final_v2.1 Nov 2018.pdf Champion_FMP_Map_Nov 2018.pdf FN Consultation Record Champion Lakes Fuel Mgmt.doc
Will this project (or a part thereof) be tendered?	Yes
If yes, please indicate the % of the project value tendered.	100%
Is your company SAFE certified?	No
If you answered no to the above question, please describe how you will ensure safe working conditions for this project.	The contractor we hire to conduct the work must have the appropriate Commerical General Liability insurance as required by the Government of BC Procurement Policy and must be registered and in good standing with WorkSafe BC and be prepared to act as a Prime Contractor as defined by WorkSafe BC and as described in the Government of BC Prime Contractor Agreement if required.
Are any of the activities a legal obligation of a tenure.	No
If yes, then please explain how the project will manage the obligation separate from FESBC funding.	

Alignment with the Land Manager's Priorities.

For utilization projects submitted under Intake 5a, this section is not required.	
Explain how you have engaged with the appropriate government land manager to understand the Land Manager's priorities.	BC Parks is the Land Manager for Champion Lakes Park and BC Parks has determined this project to be a priority. BC Parks has also engaged with Julie Castonguay, Kootenay Boundary Regional Integrated Investment Specialist to understand the regional priorities in terms of wildfire risk reduction (email attached). This project has also been discussed with Mike Morrow, Fuels Management Specialist from BC Wildfire Service.
Describe how the project aligns with the Land Manager's strategic planning and/or integrated investment planning.	BC Parks is mandated to provide high quality and safe outdoor recreation that is compatible with protecting the natural environment. This project also aligns with the BC Parks Action Plan for Conservation - Objective 2: Maintain & Restore Ecosystems by managing forest health issues the pose risks both within and outside protected area boundaries. This project also aligns with the BC Parks Strategic Program Plan - Effectively manage natural, cultural and recreational values in the context of the provincial landbase (the larger landscape). This project has been identified as a high priority in the Kootenay Boundary Region Integrated Investment Planning see attached email from Julie Castonguay, Regional Integrated Investment Specialist.
Describe any feedback or concerns from the Land Manager.	
Attach copies of any correspondence from the Forest District.	2019 FES Application Support from Julie Castonguay.docx

Partnerships

Will this project be receiving funds from another organization?	Yes
If yes, summarize any contributions from other funding sources, including in-kind contributions.	BC Parks has applied for \$100,000.00 to support this project. If that money is received or a portion of that money is receiving BC Parks will be in a position to refine its funding ask from FESBC. FESBC will be notified immediately if BC Parks is successful in this funding ask.
If applicable, describe how the project will coordinate with FFT or other initiatives within the Timber Supply Area.	
Describe any partnerships with another organization or agency?	
Please upload any correspondence or supporting documentation.	
Is this a First Nations Organization?	No
Indicate if this proposal is being submitted on behalf of another organization. If so, then identify the organization and the proposed role of each organization for implementing the project.	It is not.
Indicate if the intended delivery of the project(s) will involve one or more other organizations. If so, then identify the organization(s) and the proposed role of each organization for implementing the project.	BC Parks intends to solely deliver this project.

Road Construction and Road Upgrades

Road Construction, including Road Upgrades	
Planned Road Construction Length (km)	0
Planned Road Construction Width (m; if >20m)	0
Biomass removed and burned from ROW (tonnes)	0
Road Deactivation	
Will the road be reforested following deactivation?	
Planned Road Deactivation Length (km)	0
Planned Road Construction Width (m)	0

Please attach road development plan/ deactivation plan/ planting prescriptions	
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Summary Report Attachments

Summary Reports	
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Project Cost And Funding

Total Project Funds

Total Funds Contributed by the Proponent	Total Funds Requested from the Program
\$0.00	\$95000.00

Planned milestone & task

	2019/20	Total
Output Category		
Treatment Area (ha)	95000.00	95,000.00

Funds Requested from FESBC

	2019/20	Total
Start Date	10/14/2019	
End Date	03/31/2020	
Cost Category		
Material	\$0.00	\$0.00
Recipient Labour	\$0.00	\$0.00
Contracted Material/ Labour	\$85000.00	\$85,000.00
Equipment Charges	\$0.00	\$0.00
Project Supervision/ QA	\$10000.00	\$10,000.00
Administration	\$0.00	\$0.00
Total	\$95,000.00	\$95,000.00

Sources of Cash Funding *

Source Type	Name of Organization	Status	Amount
Amount Applied For	FESBC	Applied For	\$95,000.00
Government	BC Parks	Applied For	\$100,000.00
		Total:	\$195,000.00

Project Cost by Task

Activity *	Start Date	End Date	Funds Requested from FESBC	Funds contributed by Applicant	Funds from Other Sources	Total
Overstory Removal	10/14/2019	03/31/2020	\$95,000.00	\$100,000.00	\$0.00	\$195,000.00
					Total:	\$195,000.00

Project Status

Project Status	
FP status:	FP Received

Change History

Change History		
Change History		
FP Status	User	Date
Draft FP	Amanda Weber-Roy	11/29/2018 11:11:46 AM
Draft FP	Amanda Weber-Roy	11/29/2018 03:01:47 PM
Draft FP	Amanda Weber-Roy	11/29/2018 03:03:38 PM
Draft FP	Amanda Weber-Roy	11/29/2018 03:08:43 PM
Draft FP	Amanda Weber-Roy	11/29/2018 03:09:19 PM
Draft FP	Amanda Weber-Roy	11/29/2018 03:09:21 PM
Draft FP	Amanda Weber-Roy	11/29/2018 03:14:25 PM
Draft FP	Amanda Weber-Roy	11/29/2018 03:19:26 PM
Draft FP	Amanda Weber-Roy	11/29/2018 03:29:26 PM
Draft FP	Amanda Weber-Roy	11/29/2018 04:09:25 PM
Draft FP	Amanda Weber-Roy	11/29/2018 04:13:05 PM
Draft FP	Amanda Weber-Roy	11/29/2018 04:13:54 PM
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Draft FP	Amanda Weber-Roy	11/29/2018 04:45:06 PM
Draft FP	Amanda Weber-Roy	11/29/2018 04:46:42 PM
Draft FP	Amanda Weber-Roy	11/29/2018 04:51:48 PM
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Draft FP	Amanda Weber-Roy	11/29/2018 10:47:05 PM
Draft FP	Amanda Weber-Roy	11/29/2018 10:48:17 PM
Draft FP	Amanda Weber-Roy	11/29/2018 10:49:46 PM

Draft FP	Amanda Weber-Roy	11/29/2018 10:51:02 PM
Draft FP	Amanda Weber-Roy	11/29/2018 10:51:19 PM
FP Submitted	Amanda Weber-Roy	11/29/2018 10:51:36 PM