



TENURE IDENTIFICATION

ORIGINAL

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
TA0058	-	RF919	BE919	92P.046-508		South Sheridan Lake	51 28 33 / 120 56 11

AREA UNDER THE PLAN

GROSS AREA (TAUP)	PAS	NP	WTRA / WTP	RESERVES	OTHER	NAR
12.5	0.3	0.0	2.6	0.0	0.0	9.6

ADDITIONAL COMMENTS

DEFINITIONS (ADD DEFINITIONS AS REQUIRED)
<p>This Site Plan covers block RF919 and road MH RF919.01, and is consistent with the BCTS Kamloops Business Area , 100 Mile House TSA Forest Stewardship Plan #223 approved March 31, 2007, and extensions granted up to the term of the new FSP. This Site Plan is also consistent with the May 2019 Cariboo Region FSP Extension Conditions. Furthermore, it is a declared block that was approved under the most recent submission of the BCTS 100 Mile House TSA Forest Stewardship Plan #816 –dated October 1, 2019 and Approved February 26, 2020.</p> <p>This Site Plan is prepared for this block and its associated roads in accordance with FRPA Section 10 (1), (2) & (3).</p>

SOIL DISTURBANCE

SU	Max. Allowable Soil Disturbance (%)	Max. Amount TAS May Exceed MASD Prior To Rehab (%)	Max. Allowable Soil Disturbance For Roadside Work Areas (%)	Maximum Permanent Access Structures (%)
1	10.0	5.0	25.0	2.2
SU	CRITICAL SITE CONDITIONS THAT AFFECT THE TIMING OF OPERATIONS. AND HOW THEY AFFECT THE TIMING			
1	None noted during development. The SU has moderately well drained Silty Loam soils. Avoid concentrated forwarding/skidding routes in wet soil conditions. Due to the hydrophobicity of the burned soils, the top layer can become greasy and slick during break-up conditions. Use caution with machinery at this time and while walking through the area. Road surfaces will need to be maintained accordingly to minimize rutting and the potential of becoming stuck.			

RESULTS AND STRATEGIES

RESULT OR STRATEGY		HOW THE STRATEGY OR RESULT APPLIES TO THE SITE or RATIONALE (IF NOT APPLIED)
Cultural Heritage		<p>Obj. 1.15 - This development has been referred to all potentially affected First Nations , as was determined through a search of the Consultative Area Database (CAD).</p> <p>If a previously unidentified affected cultural heritage resource is encountered during harvesting , road construction, or mechanical site preparation, operations are required to cease to the extent necessary to protect the affected cultural heritage resource until a cultural heritage resource evaluation can be carried out.</p>
Invasive Plants		<p>Obj 1.16.2.1- A review of the known location of invasive plants on the Invasive Alien Plant Program (IAPP) database indicates that there are no occurrences of invasive plants within the immediate vicinity of the development.</p> <p>Preventative measures for controlling the introduction of invasive species will be implemented throughout the development, as below:</p> <p>1) Within one year of harvesting completion, contiguous areas of disturbed soil >=0.25 ha, including areas occupied by ditch-lines, cut or fill slopes, and deactivated roads which are not reforested (except for active running surface) are revegetated with:</p> <p>a) Seed or forage mixture that meets or exceeds Canada Common #1 Forage Mixture as defined by the Canada Seeds Act & Regulation; or</p> <p>b) Native forbs or shrubs.</p> <p>2) Report new invasive plant infestation sites to the Ministry of Forests, Lands, Natural Resource Operations and Rural Development within one year of discovery.</p>
Landscape Level Biodiversity		<p>This block lies within FDU #10 Interlakes (E Interlakes SRDZ).</p> <p>Obj 1.11.1.1 - This block has a NAR of 9.6ha. There is an existing cutblock adjacent to the west boundary of RF919 and a proposed Tolko block to the north , however this entire area has been severely impacted by the Elephant Hill wildfire in 2017 and this block is planned to salvage fire killed timber, therefore FPPR section 65(4) applies.</p> <p>Obj 1.11.1.2- This opening is in the Green Lake LU, NDT 3_SBSdw2_na. The seral analysis (August 2019) shows the NDT 3 in the Green Lake LU to have a surplus of 4,693ha for M+O and a deficit of 555ha for Old. This block consists of age class 5 and does not contribute to the M+O and Old seral objectives.</p> <p>This opening is not immediately adjacent to any designated OGMA polygons .</p> <p>Obj 1.11.1.3 - addressed by obj 1.11.1.2.</p> <p>Obj 1.11.1.4 - addressed by objs 1.13.1 & 1.13.6.1 (Wildlife/Endangered Species).</p> <p>Obj 1.11.1.7 - Not applicable as this opening is not within the grassland benchmark area.</p> <p>Obj 1.11.1.8 - addressed by obj 1.10.1.1 (Riparian Management).</p>

Other Resources		<p>Obj 1.18.1- This block is proposed for conventional harvesting methods. The timber target for 'Conventional' harvest within the Bonaparte Sub-unit is 77%. There are currently no reports indicating the status of the timber targets. The Results and Strategies for Obj. 1.10.1, 1. 11.2, 1.13, 1.14, and 1.17 have been applied to help meet this target.</p>
Range		<p>Obj 1.16.1.1 - Harvesting this block will not remove or render ineffective any natural range barriers .</p> <p>Obj 1.16.3.1 - This development overlaps active range tenure RAN076338 - 7 P Ranch Inc. BCTS has referred this development to the rancher; no comments have been received.</p> <p>Obj 1.16.3.2 - No fences were noted within the harvest area during layout operations. However, if a fence has been constructed by the time harvesting activities commence, log up to any fences present (don't leave standing dead trees along fence), maintain a 6 m RoW around fence free of debris, no site prep or planting of RoW.</p> <p>A newly re-constructed range fence occurs along the Interlakes Snowmobile Trail at the junction of the Trail and Sheridan-Rayfield FSR. The proposed road crosses the fenceline once, just past the aforementioned junction. A gate or cattleguard or temporary crossing will be required at this crossing.</p> <p>Obj 1.16.3.3 - It is unknown if the current authorized level of AUMs of 15,900 in the Bonaparte FDU is being maintained.</p>
Recreation		<p>Obj 1.12.1.1 - There is a designated Buffered Trail just west of the development ; there is no overlap with trail management zone. The Green Lake and Interlakes Snowmobile Recreation Trails exist within the area and trails are being used to access the block. Roads MH R22026.01 and MH RF919.01 partially overlaps a trail that bisects the block. The south Green Lake Residences Association has been notified regarding the trail usage for hauling and no concerns were expressed. The snowmobile club will need to be contacted if forest activities are to occur during winter. Trail is to be cleared of debris post-harvest.</p> <p>Obj 1.12.1.2 - Addressed by obj 1.12.1.1, obj. 1.12.2.8, obj 1.13.3.1 (Ungulate Winter Range), and obj 1.17.1 (Wildcraft & Access Management).</p> <p>Obj 1.12.2.1 - No known issues with regards to timing of harvest from recreation users.</p> <p>Obj 1.12.2.12 - Block is not adjacent to any key lakes, nor does it overlap any Lakeshore Management Zones (LMZ).</p>
Riparian Management		<p>Obj 1.10.1.1, 1.10.1.3 - Listed below are the classified riparian features associated with this development, and the management strategies prescribed for each. Refer to the Riparain Strategies under the Support Document of this Site Plan for non-classified riparian features.</p> <p>RF919-1-W1 - Located south of the development. The harvest boundary is located >/=100m from the wetland edge. No additional management is prescribed.</p> <p>Obj 1.10.1.2 - This opening does not overlap a lakeshore management zone.</p> <p>Obj 1.10.1.6 - Addressed by obj 1.10.1.1, 1.10.1.3, obj 1. 11.1.2 (Stand Level Biodiversity), obj 1.13.1, 1.13.5.1, 1.13.6.1, and 1.13.8.1 (Fish and Wildlife).</p> <p>Obj 1.10.1.9, 1.10.1.10, 1.10.1.11, 1.10.1.12 - Addressed by obj 1.10.1.1.</p> <p>Obj 1.10.1.14 - Addressed by obj 1.9.2.1 (General Water Resources) and obj 1.10.1.1.</p>
Soil Management		<p>Obj 1.8 - Soils within the block are primarily non-sensitive (SiL); therefore, the maximum soil disturbance limit is set to 10% of the NAR.</p> <p>There are no TAS proposed within the block.</p> <p>PAS is calculated at 2.2%.</p> <p>This block is consistent with FPPR sections 35 & 36.</p>
Stand Level Biodiversity		<p>Obj 1.11.2.1 - There is one wildlife tree retention area (WTRA) associated with this block, accounting for 20.7% of the gross area. This opening is consistent with the minimum wildlife tree retention target of 8% for the SBSdw2_na in the Green Lake LU.</p> <p>The 100 Mile House Forest District Retention Strategy's Best Management Practices have been considered in the development of the opening and were applied where opportunities were available at the stand level.</p>
Visual Objectives		<p>Obj 1.14.1- There are no scenic areas with visual quality objectives associated with this opening.</p> <p>Obj 1.14.13 - The opening is not within the viewshed of any key lakes or known tourism operation; however, the block has been designed, to the extent practicable, to minimize visual impact by following natural features, terrain and timber types. The even terrain and lengthy viewing distance minimizes impact.</p> <p>Obj 1.14.14 - Addressed by 1.14.1 and 1.14.13.</p> <p>Obj 1.14.16 - This opening is not within a high elevation viewscape.</p> <p>Obj 1.14.17 - This opening is not within or adjacent to a scenic corridor.</p>
Watersheds/Hydro Assessments		<p>Obj 1.9.1.1 - This block is not within a community watershed. There are no licensed points of diversion located within the vicinity or downstream of this block.</p> <p>Obj 1.9.2.1 - This block is partially located within the Rayfield River sub-basin of the Bonaparte River super watershed, which is a key watershed under the CCLUP. A watershed assessment was carried out in the Bonaparte River watershed in 2019. Results of the assessment indicate that the Rayfield River sub-basin has a low likelihood of both peak flow increase, and of rainfall generated flash flooding, and it has a low risk of sedimentation. These ratings are not expected to change with salvage harvesting. Post-harvest risk of surface erosion was noted to be low to moderate. Clearing the dead overstory and establishing a new plantation will help in achieving hydrological recovery as soon as possible.</p> <p>This block is not within a Fisheries Sensitive Watershed .</p>

Wildcraft and Access Management		Obj 1.17.1- There are currently no assessments available to confirm that the target of 80% for the Bonaparte FDU for maintaining roaded access for wildcraft activities is being met.
Wildlife/Endangered Species		<p>Obj 1.13.1 - addressed by obj 1.10.1.1, 1.10.1.2, 1.10.1.3, 1.10.1.6, 1.10.1.9, 1.10.1.10, 1.10.1.11, 1.10.1.12, 1.10.1.14 (Riparian Management), obj 1.11.1.1, 1.11.1.2, 1.11.1.3, 1.11.1.4, 1.11.1.7, 1.11.1.8 (Landscape Level Biodiversity), obj 1.11.2.1 (Stand Level Biodiversity), obj 1.13.3.1, 1.13.3.2 1.13.4.1, 1.13.4.2, 1.13.4.3 (Ungulate Winter Range), obj 1.13.5.1 (Furbearers), obj 1.13.6.1 (SAR), and obj 1.13.8.1 (Grizzly Bear).</p> <p>Obj 1.13.1.2 - addressed by obj. 1.10.1.1 (Riparian Management).</p> <p>Obj 1.13.1.8 - There are no critical fish habitat areas located within or adjacent to this opening.</p> <p>Obj 1.13.3.1, 1.13.3.2 - This opening is not within any designated Mule Deer Winter Range.</p> <p>Obj 1.13.4.1, 1.13.4.2, 1.13.4.3 - There are no high value moose wetlands (HVMW) within the vicinity of the development. There is a W1 wetland south of the block. The development is outside the MMU, and no access management is required.</p> <p>Obj 1.13.5.1 - addressed by obj 1.10.1.1 (Riparian Management), obj 1.11.1.2 (Landscape Level Biodiversity).</p> <p>Obj 1.13.6.1 - addressed by obj. 1.13.1 (see above).</p> <p>This development is mapped as overlapping 2 BEC units: SBSdw2 and SBPSmk. Field walkthroughs have confirmed this block to be entirely representative of SBSdw2; it has been managed as such. A search of the BC Species and Ecosystems Explorer indicated 30 wildlife species at risk, 1 plant species at risk, and 3 ecosystems at risk that could potentially exist within the development area. None of these features were noted during development, and habitat requirements were considered during harvest boundary layout and WTRA placement. Refer to the documents "TA0058_SBS_SAR" and "TA0058_SBSdw2_Eco at Risk" on file for further information.</p> <p>This block is located within an identified American Badger area (CDC Occurrence ID 11263; Shape ID 83206). There are no known burrows within the development area, and no signs of any badgers were noted during development.</p> <p>There were no signs of any of the other species listed above noted during field development; however, their habitat requirements were considered during harvest boundary layout and WTRA placement.</p> <p>Refer to the Wildlife / Endangered Species Comments under Supporting Information for Migratory Bird Management.</p> <p>Obj 1.13.8.1 - addressed by obj. 1.10.1.1, 1.11.1.2 and 1.11.1.4. Roads will be deactivated or rehabilitated once harvesting and primary silviculture activities are completed.</p> <p>Obj 1.13.5.1 - This development is within the dry sub-boreal fisher habitat zone: SBSdw1. There are no established WHAs within the vicinity. This block is within predominantly within Type 2 stand conditions for all listed fisher habitat types, and below the landscape condition targets. This block has been severely impacted by wildfire, with the majority of the timber having been killed. There was very little to no listed fisher habitat noted within the block. Additional CWD is prescribed as follows: 1 single piece of CWD >/=35 cm in diameter and >/=7m in length per hectare, elevated 25-50cm above ground, and 2 debris piles within the block being >/=3m wide by >/=5m long and piled >/=2m high, with >30% of the pieces being >20cm in diameter and >3m long, and piled in a jumbled manner. Debris piles should be a minimum of 20m away from standing timber, and are to be located between WTRAs and the block edge to maintain connectivity between standing timber, WTRAs, and any riparian areas.</p> <p>If encountered, any live, large diameter deciduous are to be retained for potential denning and cavity resting habitat.</p>

STOCKING REQUIREMENTS

SU	NAR	STANDARDS ID #	OTHER PERFORMANCE STANDARDS
1	9.6	1060550	
COMMENTS	<p>MITD reduced to 1.8m to target micro-site selection as well as obstacles due to high cattle usage in the area.</p> <p>This block is located within a BEC transition zone between the SBSdw2 and SBPSmk biogeo zones. Field walkthroughs have indicated that the block is most representative of the SBS biogeo zone, and it has therefore been classified entirely as such.</p> <p>There are no stocking standards listed for SBSdw2 in the applicable FSP; therefore, the stocking standards for SBSdw2 in the new DMH BCTS FSP (#816) have been used.</p>		

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL	2021 05 25	YES

RPF PRINTED NAME	RPF'S SIGNATURE and SEAL
SARAH REMPEL	
DATE SIGNED	
2021/05/25	
I certify that I have reviewed this document and, while I did not personally supervise the work described, I have determined that this work has been done to standards acceptable of a Registered Professional Forester.	

Map attached forms an integral part of the site plan.

SUPPORT DOCUMENT

ORIGINAL

LICENCE #	CP	BLOCK	UBI	OPENING NIIMRFR	FDU	LOCATION	LATITUDE / LONGITUDE
TA0058	-	RF919	BE919	92P.046-508		South Sheridan Lake	51 28 33 / 120 56 11

ASSESSMENTS

VISUAL IMPACT ASSESSMENT INFORMATION					
This development does not overlap any scenic areas with established VQOs. Refer to the Results and Strategies section.					
PEST INCIDENCE SURVEY INFORMATION					
Pest Specific Comments					
None noted during field layout, primarily due to the severity of the burn.					
Forest Health Comments					
The majority of the timber within the block has been destroyed due to severe wildfire activity in 2017. This block is proposed to salvage the fire impacted timber.					
ARCHAEOLOGICAL IMPACT ASSESSMENT INFORMATION					
Refer to the Results and Strategies section.					
TERRAIN STABILITY FIELD AND GULLY ASSESSMENTS INFORMATION					
Terrain Stability Comments					
No slope instability indicators were noted within or adjacent to the opening. A TSFA is not required.					
Gully Comments					
Not Applicable					
VEGETATION					
No significant competition during regeneration establishment is anticipated.					

RIPARIAN ASSESSMENTS					
Management Strategies					
This development does not overlap any riparian management areas.					
Maintain natural drainage patterns.					
Refer to the Results and Strategies section.					
Riparian I.D. and Class	RMA	SU	WIDTH (m)	BA or SPH Retained	Comments (Indicate if in a Community Watershed)
RF919-1-W1 W1	RMZ		40.0		Any RMZ overlap is to be harvested as per the remainder of the SU/HU. Retain any understory regen and brush to the extent practicable within 100m of the wetland edge.
	RRZ		10.0		

SOIL ASSESSMENT							
HAZARD RATINGS				SOIL CHARACTERISTICS			
SU	Soil Comp	Soil Erosion	Soil Disp	Depth To Unfavourable Subsoil		Type of Unfavourable Subsoil	Sediment Delivery Risk (Community Watersheds)
				Min(cm)	Max(cm)		
1	H	M	M			NNTD	
COMMENTS							
Soils within the block are primarily non-sensitive (SiL); therefore, the maximum soil disturbance limit is set to 10% of the NAR. There are no TAS proposed within the block. PAS is calculated at 2.2% of the gross area. Recommend using a random skidding pattern and avoid skidding across depressional areas when wet. This block is consistent with sections 35 and 36 of the FPPR.							

RESERVE / RETENTION INFORMATION

WTRA / WTP (INSIDE OR ATTRIBUTED TO THE BLOCK)						
I.D.#	Area	Description				
WTRA	2.6	The WTRA encompasses the associated RMA and MMU of the adjacent W1 wetland. AtSx(Pli) 533-19; AtSx(Pli) 530-19				
GROUP WTRA / WTP AND SITE DEG. CALCULATION (to be retained on the first block of the Permit only)						
Block	Gross Cutblock Area	WTRA / WTP	%	BEC	Perm Access	%
RF919	12.5	2.6	20.7	SBS/dw/2	0.3	2.2
RF9G4	45.7	5.4	11.7	SBS/dw/2	1.7	3.8
Total # of Blocks: 2	58.1	7.9	13.7		2.0	3.5

SUPPORTING INFORMATION

HLP/FSP CONSIDERATIONS
Wildlife/Endangered Species Comments
<p>The design of this harvest area considered Migratory Bird Habitat polygons and the Beneficial Management Practices as outlined in the BCTS Migratory Bird Strategy (2016).</p> <p>The proposed harvest area is mapped primarily within Rank 4 (Moderately High Risk) and Rank 5 (High Risk) polygons (BCTS Migratory Bird Strategy). Although the majority of the stand has been destroyed due to the 2017 wildfires, there are several riparian features within or within close proximity of this development, including small lakes and wetlands; there is also a minor aspen component within the stand. The BMPs applied to this block to minimize/prevent incidental take include: Planned Retention (PL2), Riparian Protection (LO2), Unmarked Retention (LO3), and Wildlife Tree and Stub Retention (LO4).</p> <p>If a previously unidentified migratory bird nest is encountered during harvesting, road construction, or a silviculture activity associated with this Site Plan, operations must cease to the extent necessary to protect the affected migratory bird nest until alternative BMPs can be implemented to minimize or prevent the risk of incidental take.</p> <p>Refer to the Results and Strategies section.</p>
Range Comments
<p>Active Range Tenure: RAN076338 - Bert Sauer Trucking Ltd.</p> <p>No fences were noted within the development during layout operations. However, if a fence has been constructed by the time harvesting activities commence, log up to any fences present (don't leave standing dead trees along fence), maintain a 6 m RoW around fence free of debris, no site prep or planting of RoW.</p> <p>Refer to the Results and Strategies section.</p>
Fisheries Comments
<p>There are no fish bearing features within or adjacent to this block.</p>
Watersheds/Hydro Assessments Comments
<p>A watershed assessment was completed in 2019 by WaterSmith.</p> <p>Refer to the Results and Strategies section.</p> <p>This development is not within a community watershed.</p>
Sensitive Areas Comments
<p>There are 6 known red or blue listed sensitive areas within the SBSdw2 biogeo zone in the 100 Mile Forest District, none of which were identified during layout of this development.</p>
Recreation Comments
<p>Snowmobile trails exist within the area. Refer to the Results and Strategies section. Also see Harvesting Constraints in the Harvest Plan section.</p>
Cultural Heritage Comments
<p>No additional management applies to the development above the Results and Strategies contained in the Site Plan for this block.</p>
Biodiversity Emphasis/L.U. Comments
<p>Landscape Unit: Green Lake; Biodiversity Emphasis Option: Low; SBSdw2_na WTRA retention target: 8%.</p> <p>There are no OGMA polygons within the vicinity of this development .</p> <p>This block does not occur within any designated Ungulate Winter Range (UWR).</p> <p>Refer to the Results and Strategies section.</p>
Other Resources Comments
<p>Trapper: This block overlaps an active trapline (TR0501T014). BC Timber Sales has referred this block to the trapline tenure holder . The trapper did not provide any specific comments regarding the block or roads. No further comments have been received at this time and no special management has been prescribed.</p> <p>Guide Outfitter: This block overlaps an active guiding area (Guiding Certificate Number 500345), owned by Mussfeld, Eberhard.</p>
ADDITIONAL COMMENTS:
Surveys
<p>Estimated windthrow potential, as assessed using the Ministry of Forests Windthrow Field Card Assessment Page A, is Moderate.</p>

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL	2021 05 25	YES

HARVEST PLAN

ORIGINAL

LICENCE #	CP	BLOCK	UBI	OPENING NIIMRFR	FDU	LOCATION	LATITUDE / LONGITUDE
TA0058	-	RF919	BE919	92P.046-508		South Sheridan Lake	51 28 33 / 120 56 11

SILVICULTURE SYSTEMS

SU	SYSTEM	VARIANT	PHASE	RESERVE	Min BA (m2/ha)	Min Residual Density (sph)
1	CCRES		SALVF	D		
Current Stand Structure/Site Conditions			The current stand consists of 66% Fdi, 16% At, 15% Sx and 3% Pl in the overstory, all heavily impacted by wildfire in 2017. Net merchantable volume of the stand prior to reductions is 122m3/ha, with an average stand height of 23.9m. There is little to no live understory within the block.			
Silviculture Systems SU Comments			SU-1: Clearcut with Reserves; SU is proposed to salvage timber killed in the 2017 wildfires.			
Min. Characteristics of Leave Trees (Form, Health, Vigour)			<p>Entire Block:</p> <p>Aspen: 95% retention of live merch (>= 17.5cm DBH); which equates to approx. 53 sph according to the cruise.</p> <p>Douglas-fir: 95% retention of live merch (>= 17.5cm DBH); which equates to approx. 15 sph according to the cruise.</p> <p>Spruce: 95% retention of live merch (>= 17.5cm DBH); none were counted during the cruise.</p> <p>The majority of the green stems occur in the northeast portion of the block and along boundary edges.</p> <p>If encountered, retain any live unburned conifer regen, saplings and poles (with green, healthy-looking crowns) where they occur in patches, with the exception of Lodgepole pine stems >50cm in height.</p> <p>The purpose of the prescribed retention is to provide wildlife biodiversity and structural diversity within the stand, as well as aiding in regeneration establishment.</p> <p>STUBBING</p> <p>Retain 3-4 Stub Groups (5 or more stubs per group, 3-5m high) per hectare where retention of green trees is not feasible. These stub groups should be created near and/or connecting riparian areas, green leave trees and/or regen, adjacent green stands/plantations, large CWD logs left after burn, large rocks and/or outcrops, and knolls.</p>			

Additional Comments

Harvesting Constraints	<p>HARVEST INFORMATION</p> <p>This block is appropriate for conventional roadside harvest (i.e. rubber tired skidder, mechanical falling).</p> <p>SAFETY</p> <p>Extensive wildfire disturbance during summer 2017 has created large areas of dead standing timber, which can be overhead hazards (brittle tops, unstable roots).</p> <p>Areas of unstable ground occur where root masses have been burned away below the top soil layer and can pose as tripping, twisting or falling hazards.</p> <p>SOILS</p> <p>Soils may be hydrophobic due to being burned in the 2017 wildfires, and could become greasy and slick during precipitation events. Minimize machine traffic to the extent practicable to reduce further soil damage .</p> <p>SLOPES</p> <p>Slopes average 9% within the block, ranging from 0-18%.</p> <p>ARCHAEOLOGICAL / CULTURAL HERITAGE</p> <p>If a previously unidentified affected Cultural Heritage Resource is encountered during harvesting , road construction or mechanical site preparation, operations must cease to the extent necessary to protect the affected cultural heritage resource until a Cultural Heritage Resource Evaluation can be completed .</p> <p>MIGRATORY BIRDS</p> <p>If a previously unidentified migratory bird nest is encountered during harvesting, road construction, or a silviculture activity associated with this Site Plan, operations are required to cease to the extent necessary to protect the affected migratory bird nest until alternative BMPs can be implemented to minimize or prevent the risk of incidental take.</p> <p>RECREATION</p> <p>The Green Lake and Interlakes Snowmobile Recreation Trails exist within the area , with one bisecting the block (proposed access roads MH R22026.01 and MH RF919.01 overlap this trail). Notify the local snowmobile clubs if operations occur during winter. The trail is a permanent access feature, and is to be cleared of debris post-harvest. The roads are proposed for deactivation but are to remain ATV passable for silviculture use . Ensure x-ditches are not too deep that they pose a safety hazard for recreation vehicle users.</p> <p>MINERAL CLAIMS</p> <p>This block is not located within a known Mineral Claim; however, if any identified claim posts, monuments, drill sites and core boxes are encountered, they are to be retained. None of these features were identified during field work.</p>
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SOIL ASSESSMENT											
SU	HAZARD RATINGS			SOIL DISTURBANCE				SOIL CHARACTERISTICS			
	Soil Comp.	Soil Erosion	Soil Disp.	Max Allow Soil Dist %	Max Allow Max Amount TAS may exceed MASD prior	Max Allow Perm Access Structures %	MASD for Roadside work areas %	Depth to Unfavorable Subsoil		Type of Unfavorable Subsoil	Sediment Delivery Risk (Comm. Watershed)
								Min (cm)	Max (cm)		
1	H	M	M	10.0	5.0	2.2	25.0			None Noted	
SU	Critical site conditions that affect the timing of operations and how they affect the timing										
1	None noted during development. The SU has moderately well drained Silty Loam soils. Avoid concentrated forwarding/skidding routes in wet soil conditions. Due to the hydrophobicity of the burned soils, the top layer can become greasy and slick during break-up conditions. Use caution with machinery at this time and while walking through the area. Road surfaces will need to be maintained accordingly to minimize rutting and the potential of becoming stuck.										
SU MANAGEMENT COMMENTS											
SU	SU Description										
1	<p>This SU is comprised of primarily Fdi, with minor components of At, Pli and Sx, all heavily impacted by the Elephant Hill Fire in 2017. Slopes range from 0-18%, averaging 9%. The understory regen layers have been removed from the stand or severely damaged due to wildfire. Windthrow was minimal throughout the SU at the time of layout.</p> <p>This SU is within a transitional zone between the SBSdw2 and SBPSmk BEC Zones. Field walkthroughs have confirmed the entire SU to be most representative of the SBSdw2 biogeo zone and therefore has been managed as such.</p>										
SOIL MANAGEMENT COMMENTS											
Soil Conservation											
<p>Soils within the block are primarily non-sensitive (SiL); therefore, the maximum soil disturbance limit is set to 10% of the NAR. There are no TAS proposed within the block. PAS is calculated at 2.2% of the gross area. Recommend using a random skidding pattern and avoid skidding across depressional areas when wet. This block is consistent with sections 35 and 36 of the FPPR.</p>											
Temporary Access											
<p>All temporary structures must be rehabilitated upon harvest completion, or at least prior to the spring freshet. Rehabilitation will be as follows: decompact soils, and return displaced surface soils, retrievable side-cast and berm material to the extent practicable and necessary to establish and grow trees consistent with the stocking standards. Erosion control measures are required to maintain natural drainage patterns.</p> <p>The recreation (snowmobile) trail is a permanent access feature; do not rehab trail post-harvest.</p>											
Slope Instability											
<p>No slope instability indicators were noted within or adjacent to the opening. A TSFA is not required.</p>											

RIPARIAN ASSESSMENTS					
Management Strategies					
This development does not overlap any riparian management areas.					
Maintain natural drainage patterns.					
Refer to the Results and Strategies section.					
Riparian I.D. and Class	RMA	SU	WIDTH (m)	BA or SPH Retained	Comments (Indicate if in a Community Watershed)
RF919-1-W1 W1	RMZ		40.0		Any RMZ overlap is to be harvested as per the remainder of the SU/HU. Retain any understory regen and brush to the extent practicable within 100m of the wetland edge.
	RRZ		10.0		

COARSE WOODY DEBRIS MANAGEMENT STRATEGY INFORMATION					
<p>The stands in this block have been severely impacted by the 2017 wildfires and there is heavy mortality throughout. Avoid disturbance of pre-existing CWD where practicable. Post-harvest CWD target is 10m3/ha.</p> <ul style="list-style-type: none">- Retain a minimum of 4 logs per hectare, each being a minimum of 2m in length and 7.5cm in diameter at one end.- Non-merchantable log and pieces will be left on site as CWD.- Reserved stems will contribute to future CWD. Any reserve trees that blow down will be left as CWD unless they become infested with insects that pose a forest health risk.- All deciduous stems felled for safety, road construction or other operational purposes are to be left on site as CWD.- Efforts will be made to ensure these logs are not broken at time of harvesting . Logs may consist of a variety of species and shall be evenly distributed across the cutblock.- Retain 3 to 4 Stub Groups (5 or more stubs per group, 3-5m high) per hectare. These stub groups should be created near and/or connecting riparian areas, green leave trees and/or regen, adjacent green stands/plantations, large CWD logs left after burn, large rocks and/or outcrops, and knolls. <p>Additional CWD for fisher management has been prescribed as follows:</p> <p>1 single piece of CWD per hectare, each being ≥ 35 cm in diameter and ≥ 7m in length, and elevated 25-50cm above ground; and,</p> <p>2 debris piles within the block being ≥ 3m wide by ≥ 5m long and piled ≥ 2m high, with $>30\%$ of the pieces being >20cm in diameter and >3m long.</p> <p>Debris piles should be a minimum of 20m away from standing timber, and are to be located between WTRAs and the block edge to maintain connectivity between standing timber, WTRAs, and any riparian areas.</p> <p>If encountered, any live, large diameter deciduous are to be retained for potential denning and cavity resting habitat.</p>					
Performance Std. (%) :	100.0	Block Target (%) :	100.0	Coarse Woody Debris (m3/ha):	10.0

DEFINITIONS

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL	2021 05 25	YES

Print off the PAS/TAS table located as an attachment on the Block Details Screen and attach to this prescription.

RPF PRINTED NAME	RPF'S SIGNATURE and SEAL
SARAH REMPEL	
DATE SIGNED	
2021/05/25	
I certify that I have reviewed this document and, while I did not personally supervise the work described, I have determined that this work has been done to standards acceptable of a Registered Professional Forester.	

SILVICULTURE PLAN

ORIGINAL

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
TA0058	-	RF919	BE919	92P.046-508		South Sheridan Lake	51 28 33 / 120 56 11

ECOLOGICAL INFORMATION

SU	Ecology Unit	Area	Zone	Subzone	Variant / Phase	Site Series (series - %)	Elevation Avg (m)	Slope Avg (%)	Aspect	Slope Position	Rooting Depth (cm)	Soil Texture
1	1	9.61	SBS	dw	2	01-80 04-20	1,165	9	V	Level	30	SIL

STOCKING REQUIREMENTS				
ASSESSMENT DATES				
Standard Unit	Standards ID	Regen Delay (vrs)	Freegrow Early (vrs)	Freegrow Late (vrs)
1	1060550	7	0	20
Min/Max Elevation Regime: 1150 / 1180				

SU : 1 REGENERATION LAYER									
PREFERRED SPECIES			ACCEPTABLE SPECIES			POST SPACING DENSITY(sph)		MAX CONIFEROUS (sph)	
Species		Min Ht. (m)	Footnotes	Species		Min Ht. (m)	Footnotes	Min	Max
Fdi Douglas Fir - Interior		1.4		Lw Western Larch		2.0		WELL SPACED TREES (sph)	
Sx Hybrid Spruce (SE x SW)		1.0						Target Pref/Acc	Minimum Pref/Acc
Pli Lodgepole Pine - Interior		2.0						1200	700
								Minimum Pref	Min Horizontal Dist. Pref/Acc (m)
								600	2.0
								Height Relative to Competition (%)	

OTHER REQUIRED STOCKING INFORMATION
MITD reduced to 1.8m to target micro-site selection as well as obstacles due to high cattle usage in the area.
This block is located within a BEC transition zone between the SBSdw2 and SBPSmk biogeo zones. Field walkthroughs have indicated that the block is most representative of the SBS biogeo zone, and it has therefore been classified entirely as such.
There are no stocking standards listed for SBSdw2 in the applicable FSP; therefore, the stocking standards for SBSdw2 in the new DMH BCTS FSP (#816) have been used.

ACTIVITIES

PLANTING						
Planting(Container) 2025/07/24 SEASON:						
AREA	PLANTING UNIT	UNIT AREA	SPECIES	COMMENTS	STEMS / HA	TOTAL STEMS
9.6	0	0.0			0	0
	LIMITING FACTORS / COMMENTS					
SILVICULTURE ACTIVITY COMMENTS						
ACTIVITY			COMMENT			

MANAGEMENT STRATEGY

COARSE WOODY DEBRIS MANAGEMENT STRATEGY INFORMATION				
<p>The stands in this block have been severely impacted by the 2017 wildfires and there is heavy mortality throughout. Avoid disturbance of pre-existing CWD where practicable. Post-harvest CWD target is 10m3/ha.</p> <p>- Retain a minimum of 4 logs per hectare, each being a minimum of 2m in length and 7.5cm in diameter at one end.</p> <p>- Non-merchantable log and pieces will be left on site as CWD.</p> <p>- Reserved stems will contribute to future CWD. Any reserve trees that blow down will be left as CWD unless they become infested with insects that pose a forest health risk.</p> <p>- All deciduous stems felled for safety, road construction or other operational purposes are to be left on site as CWD.</p> <p>- Efforts will be made to ensure these logs are not broken at time of harvesting . Logs may consist of a variety of species and shall be evenly distributed across the cutblock.</p> <p>- Retain 3 to 4 Stub Groups (5 or more stubs per group, 3-5m high) per hectare. These stub groups should be created near and/or connecting riparian areas, green leave trees and/or regen, adjacent green stands/plantations, large CWD logs left after burn, large rocks and/or outcrops, and knolls.</p> <p>Additional CWD for fisher management has been prescribed as follows:</p> <p>1 single piece of CWD per hectare, each being >/=35 cm in diameter and >/=7m in length, and elevated 25-50cm above ground; and,</p> <p>2 debris piles within the block being >/=3m wide by >/=5m long and piled >/=2m high, with >30% of the pieces being >20cm in diameter and >3m long.</p> <p>Debris piles should be a minimum of 20m away from standing timber, and are to be located between WTRAs and the block edge to maintain connectivity between standing timber, WTRAs, and any riparian areas.</p> <p>If encountered, any live, large diameter deciduous are to be retained for potential denning and cavity resting habitat.</p>				
Performance Std. (%):	100.0	Block Target (%):	100.0	Coarse Woody Debris (m3/ha): 10.0

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL	2021 05 25	YES

RPF PRINTED NAME	RPF'S SIGNATURE and SEAL
SARAH REMPEL	
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