BCTS
BC Timber Sales
Kootenay

SITE PLAN
KOOTENAY
BC TIMBER SALES

Report Date 2020/06/16

ORIGINAL

TENURE IDENTIFICATION

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
TA0547	-	1	BF6QP	G41-1500		Peavine	49 26 53 / 115 50 08

AREA UNDER THE PLAN

GROSS AREA (TAUP)	PAS	NP	WTRA / WTP	RESERVES	OTHER	NAR
82.8	5.3	0.0	9.7	4.3	0.0	63.6

ADDITIONAL COMMENTS

CONSISTENCY STATEMENT
This site plan is consistent with the objectives, results and strategies as outlined in the Rocky Mountain Forest Stewardship Plan (FSP) #601, 2017-2022. The block is contained within Operating Plan #20.

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	6.4

SU	CRITICAL SITE CONDITIONS THAT AFFECT THE TIMING OF OPERATIONS. AND HOW THEY AFFECT THE TIMING
1	Operate during conditions that prevent excessive detrimental soil disturbance. Time operations to minimize the duration of active logging and potential impacts . Ensure surface drainage patterns are maintained during operations and by the completion of harvesting.

RESULTS AND STRATEGIES

RESULT OR STRATEGY		HOW THE STRATEGY OR RESULT APPLIES TO THE SITE or RATIONALE (IF NOT APPLIED)
Cultural Heritage Resources		The Rocky Mountain Forest Stewardship Plan, Operating Plan #20 was referred to First Nations, and no traditional use or cultural heritage values were identified for the block. Protection of any identified cultural heritage site from disturbance or destruction is required under the Heritage Conservation Act. Forest management practices will cease and the Timber Sales Manager or his/her designate will be immediately notified if significant cultural or archaeological resource features are discovered during operations.
Invasive Plants		A review of the invasive plants provincial inventory database and mapping system was conducted ; infestations of common tansy, scentless chamomile, spotted knapweed, yellow toadflax (FRPA invasive plants), as well as tall hawkweed, yellow devil hawkweed, and wormwood have been reported within or immediately adjacent to the proposed block. Bull thistle was observed within the immediate area of the blocks or roads during field development activities. See the Invasive Plant map and documentation for more information. Measures to be carried out to prevent the introduction or spread of invasive plants, as required by the Timber Sales Manager: 1) Vehicles, mechanized equipment, culverts, bridges and cattle-guards are to be inspected for the presence of soil or plant material, including documentation on inspection forms, prior to being transported to or from work sites and, if present, plant and soil materials are to be removed. 2) To reduce the available seedbed for invasive plants : a) grass seed exposed mineral soils on cut and fill slopes of new roads and trails during the first available spring or fall and not more than 12 months following construction. b) grass seed exposed soils on all new landings and rehabilitated areas during the first available spring or fall and not more than 12 months following the time of mineral soil exposure, except if the rehabilitated areas are to be revegetated through the planting of trees. 3) If utilizing a dry grass seeding method, seed shall be applied at a rate of 30 to 50 kilograms per hectare. 4) Grass seeding will utilize high quality seed (a mix recommended by a MFLNRO range specialist, if available; otherwise Canada Common #1 Forage mix or better grade) to ensure that the introduction of invasive plant seed is minimized. 5) Invasive plant infestations located in cut-blocks will be recorded in Site Plans or Support Documents and monitored and reported on during post-harvest surveys. Personnel conducting post-harvest surveys will be required to identify and report new invasive plant infestations observed during surveys. 6) Report new invasive plant infestations to the Timber Sales Manager or his /her designate.
Range		The proposed block is located in the Peavine Range Unit and is encompassed by active range tenure RAN075121. No range improvement features or natural range barriers were identified through the FSP advertising and referral process . The Licensee should coordinate their activities with the range tenure holder, and will be responsible to repair any introduced damages to the fencelines concurrent with operations, or by the request of the Timber Sales Manager or his/her designate.

Riparian		R1/S6 is located in the southwest corner of the block and is buffered by a 7m machine free zone to protect stream structure, function, and habitat. As per FSP #601 Section 5.3.1.5., all stream Riparian Management Areas (RMAs) must have some level of retention unless otherwise specified and a rationale is provided. Required retention within S6 RMZs will be met with the Leave Tree Specifications for this block, thereby meeting the intent of FSP requirements.
Soils		Temporary: The amount of temporary access structures (TAS) combined with other soil disturbance caused by random skidding and mechanical falling must not exceed the maximum of 10% of the Net Area to Reforest (NAR); the maximum of 10% may temporarily be exceeded by 5% to allow for additional temporary access structures, but they must be rehabilitated by the completion of harvesting. Permanent: The amount of permanent access structures (PAS) account for 6.4% of the block and is within the applicable performance standard of 7%.
Visual Quality		The LRDW visual landscape inventory (April 1, 2004) indicates that the proposed development overlaps on visual sensitivity unit with an established visual quality objective of partial retention. A preliminary visual assessment of TA0547 using Google Earth found that the proposed development was not visible from government viewing points because of trees adjacent to Highway 3. The development will not require a full VIA.
Wildife - Species at Risk		A Species at Risk (SAR) inventory was conducted with the database available from the BC Conservation Data Centre (CDC), and search results identified the block as potential habitat for one red-listed species: the animal American badger (Taxidea taxus). Badger dens were identified during field development activities within the block boundary. Pictures and Management recommendations of these red-listed species are included within the site plan package for more information. If these red-listed species are encountered during harvesting activities, consult with a timber sales manager, or his/her designate, for further guidance before proceeding further with operations. The block is occupied by Managed Forest Dry habitat type of ungulate winter range (UWR). There is currently a 1545.8ha and 1727.2ha surplus for mature cover and early seral categories, respectively, in the Managed Forest Dry habitat type. The proposed development is consistent with UWR GAR Order 4-006. No approved or proposed Wildlife Habitat Areas occupy the block.
Wildlife - Wildlife Tree Retention		The wildlife tree retention minimum target of 7% by TSL will be achieved by WTRA patches retained throughout the block. Total retention level for the block is 11.7%.

STOCKING REQUIREMENTS

SU	NAR	STANDARDS ID #	OTHER PERFORMANCE STANDARDS
1	63.6	1050163	The Rocky Mountain Resource District Fire Management Stocking Standards version 1.0 dated August 29, 2016 provides the operating details of this standard. The document can be found at the reference below: http://www.for.gov.bc.ca/drm/Downloads/F iles/RMRDfiremngtpartcutstds.pdf. The intent of this Fire management stocking standard is to guide fuel treatment harvesting to create a shaded fuel break. The situations and circumstances for which this part cut standard can be applied are specified within the Version 1.0 standards document.
COMMENTS	Stocking standard is Rocky Mountain Resource District Fire Management Stocking Standard - Partial Cut. The Rocky Mountain Resource District Fire Management Stocking Standards version 1.0 dated August 29, 2016 provides the operating details of this standard. The intent of this Fire management stocking standard is to guide fuel treatment harvesting to create a shaded fuel break. The situations and circumstances for which this part cut standard can be applied are specified within the Version 1.0 standards document.		

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL	2020 06 16	YES

RPF PRINTED NAME	RPF'S SIGNATURE and SEAL
SCOTT BLISSETT	
DATE SIGNED	
2020/06/16	
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.

THE FOLLOWING INFORMATION IS ATTACHED FOR INFORMATION ONLY AND DOES NOT FORM PART OF THE SITE PLAN

SILVICULTURE PLAN

ORIGINAL

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
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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	A	63.6	IDF	dm	2	104-100	1,100	15	W	Middle Slope	30	SIL

STOCKING REQUIREMENTS

ASSESSMENT DATES

Standard Unit	Standards ID	Regen Delay (yrs)	Freegrow Early (yrs)	Freegrow Late (yrs)
1	1050163	0	0	0

Min/Max Elevation Regime: 1040 / 1160

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		
						WELL SPACED TREES (sph)				
						Target Pref/Acc	Minimum Pref/Acc	Minimum Pref	Min Horizontal Dist. Pref/Acc (m)	
								Height Relative to Competition (%)		

OTHER REQUIRED STOCKING INFORMATION

Stocking standard is Rocky Mountain Resource District Fire Management Stocking Standard - Partial Cut. The Rocky Mountain Resource District Fire Management Stocking Standards version 1.0 dated August 29, 2016 provides the operating details of this standard. The intent of this Fire management stocking standard is to guide fuel treatment harvesting to create a shaded fuel break. The situations and circumstances for which this part cut standard can be applied are specified within the Version 1.0 standards document.

ACTIVITIES

SILVICULTURE ACTIVITY COMMENTS

ACTIVITY	COMMENT

MANAGEMENT STRATEGY

COARSE WOODY DEBRIS MANAGEMENT STRATEGY INFORMATION

See harvest plan.

Performance Std. (%):	Block Target (%):	Coarse Woody Debris (m3/ha):

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL	2020 06 16	YES

RPF PRINTED NAME	RPF'S SIGNATURE and SEAL
SCOTT BLISSETT	
DATE SIGNED	
2020/06/16	
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.	

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