



Pacific Inland Resources

A Division of West Fraser Mills Ltd.

P.O. Box 3130 Smithers, B.C. V0J 2N0 Phone: (250) 847-2656

SITE PLAN, LOGGING PLAN WITH ROAD LAYOUT & DESIGN
1:5,000

Licence: A16830 Permit: 667 Block: 612
Road: R09511-455-5

Forest Region: **RNI** Forest District: **DSS** Operating Area: **Babine**

Mapsheet: **093M047** Date of Map: **10/18/2018**

Forester: **Kelsey Stasiuk** Map Created By: **B. Auger**

EMERGENCY INFORMATION

Access Directions: **6.6 km 455 Rd**

CP 667 BLOCK 612 - STANDARD UNIT SUMMARY

Latitude : **55 26' 41.36"** UTM North: **6146520**

Longitude: **-126 47' 11.52"** UTM East: **640009**

GPS Cutblock Area	WTR Area	Leave Area	Gross Cutblock Area
39.5	8.9	37.5	85.9
Perm. Acc. Area	Natural Non-Productive Area	Net Area to Reforest	
1.7		37.8	

SU	SU Type	Biogeoclimatic Information	Silviculture Regime I.D.	Max. Allowable Soil Dist %	Gross Area	NAR
1	PROD	SBSmc 2 10	1015438	10	29.6	29.6
2	PROD	SBSmc 2 06(8) 01(2)	1015434	10	8.2	8.2
L1	OTH				.8	
L2	OTH				36.8	
W1	WTR				8.9	
X	NP				1.7	
TOTALS					85.9	37.8

CRITICAL OPERATIONS SITE FACTORS:

This block contains summer potential for harvest.

Considering impacts to Grizzly: Minimally construct roads and deactivate after planting. Prior to deactivation, restrict access to the blocks during periods of operational inactivity suggested locations include the bridges, or junction with 455rd. Visual screening is provided along/from the main road (455rd).

To provide additional screening, structure and diversity to the future stand, patches have been ribboned with SMZ ribbon to clearly demarcate where retention should be achieved. The patches focus on opportunities for retention of undermarch conifers and deciduous stems. It is permissible to reach in and harvest merch stems. Sub green or dead trees at ~5m height to act as rub trees adjacent to anticipated skidding routes along the perimeter of these patches to protect the undermarch conifers stems within.

Disperse ditchline drainage onto the forest floor to avoid sediment transfer to drainages; note the S4 stream that is along the west boundary of the block, the S3 through the middle, and the S2 that flows along the South boundary.

NCD XXVI: Note that this NCD flows directly into S3 XLV, manage ditch water as required to prevent transport of sediment.

A section 12 site alteration permit is required prior to harvest of or within 30m of any pre1846 CMTs. Note Borden sites: GISq24, 25, 26, 27, 28, 29. Sub CMTs above the scar. Confirm the terms and expiry date of the alteration permit prior to harvest. Some Borden sites have been protected by WTR outside the block boundary and cannot be disturbed.

At all times (during logging operations, road construction, deactivation, site prep etc.) concentration of water that could reach the escarpment slopes near the northern falling boundary must be avoided.

Planned road location and standards are integral to the Terrain Stability Analysis. Changes to location or standard (i.e. from short to long term, ditched) will require consultation with P.Geo prior to any changes in the field.

As per Archer Archaeological Impact Assessment 2015-0101-11435, a 30m reserve is required around the polygons that make up AOPs 2, 3, 9. (Polygon linework was submitted to PIR in 2017).

1. ROAD IS LOCATED WITHIN RIPARIAN MANAGEMENT AREA?

YES ☐ NO ☒ APPROVAL REQUIRED YES ☐ NO ☒

2. ROAD IS LOCATED WITHIN A COMMUNITY WATERSHED?

YES ☐ NO ☒ APPROVAL REQUIRED YES ☐ NO ☒

3. ROAD IS LOCATED ON TERRAIN WITH MODERATE OR HIGH LIKELIHOOD OF LANDSLIDES?

YES ☐ NO ☒

ACTIONS FOR PROTECTING OTHER FOREST RESOURCES:

CULVERTS MARKED WITH AN * HAVE BEEN PLACED ON THE MAP TO MEET MINIMUM CULVERT SPACING GUIDELINES.

THE FIELD PLACEMENT OF THESE CULVERTS SHOULD CONCLUDE WITH THE GROUND CONDITIONS AND SUBGRADE PROFILE AND NOT NECESSARILY THE MAP LOCATION.

* CULVERTS MARKED IN THE FIELD MAY BE SUBJECT TO CHANGE DURING CONSTRUCTION OF THE SUBGRADE PROFILE.

20M RIGHT OF WAY WITH WIDENINGS WHERE REQUIRED FOR ENGINEERING PROPOSES.

THE ASSESSMENTS CHECKED BELOW WERE CARRIED OUT AND THE ROAD LAYOUT AND DESIGN IS CONSISTENT WITH THE RESULTS AND RECOMMENDATIONS OF THE ASSESSMENTS.

☒ RIPARIAN ASSESSMENT ☐ VISUAL IMPACT ASSESSMENT

☒ ARCHAEOLOGICAL IMPACT ASSESSMENT ☐ SITE INSPECTION (FRR 4.1)

1. RATIONALE FOR ROAD WITHIN AN RMA:

2. RATIONALE FOR ROAD LOCATED ON A MODERATE TO HIGH LANDSLIDE OCCURRENCE AFTER SITE INSPECTION:

P.I.R. LICENSEE ACKNOWLEDGEMENT

DATE

P.I.R. SIGNING FORESTER

DATE

ROAD SPECIFICATIONS						
Road Name	Road Type	Width (m)	Minimum Culvert Size (mm)	Start	End	Net March (m)
R09511-455-5	long term	5	450	0+000	1+025	3.2
CP667-612-SP1	long term			0+000	0+023	

STREAM CROSSING TABLE						
Road Name	Type of Structure & Size	Design Load	Structure Location	Stream Name & Riparian Class	Direct Tributary	General Arrangement Drawing Number
R09511-455-5	Embridge	L75	0+493	XXIV S2	y	335-08-03
R09511-455-5	Embridge	L75	0+494	XXIV S3	y	335-07-03
R09511-455-5	Embridge	L75	1+025	V S4	y	335-29-03

COMMENTS

BASE MAPPING	RIPIARIAN FEATURES	MANAGEMENT FEATURES
<ul style="list-style-type: none">ContoursCrane Measure Plot & StripCrane Count PlotCrane CountHeelAPNet Non-Productive NaturalMuB Non-CommercialPOCPoint of CommentRockSkid DirectionSlideSlope PresentStation MarkerStandard Unit BayTerrain BreakTimber TypeWetlandSlubbing	<ul style="list-style-type: none">LakeWetlandReach BreakStreamIntermittent StreamGate/Access Control PointHighwayMainSpor Road BuiltSpor Road ProposedSkid Trail BuiltSkid Trail ProposedTrailBridgeLandingSkid Bridge	<ul style="list-style-type: none">Riparian Mgt. Zone (RMZ)Leave Area (RAZ)Wildlife Tree RetentionSpecial Management ZoneProven LandParksWILDLIFE HABITATCatkinsGoatGrizzly BearGrizzly Bear AGrizzly Bear ModerateMooseMule DeerMoose/Mule DeerCatkins Recovery WalkwayECO-NETWORKLandscape ConditionsCore EcosystemsLRMP-SMZSMZ1SMZ2CUTBLOCK STATUSCutblockLogged (NSR)Free GrowingSR Block

Coord: BC Albers Datum: NAD83 (CAN) Data: TRIM, FCI, TFM Dedication: November 3, 2015 (Smithers Airport): 18d 43.14m East (13.8/yr W.)	© 2006 West Fraser Mills Ltd. For further information or copies contact WFM @ 250-847-2656
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Path: Y:\PIR\Permit\FLA16830_DSS\CP667\Permit Maps\SP LogPlan w_R016830_612.mxd