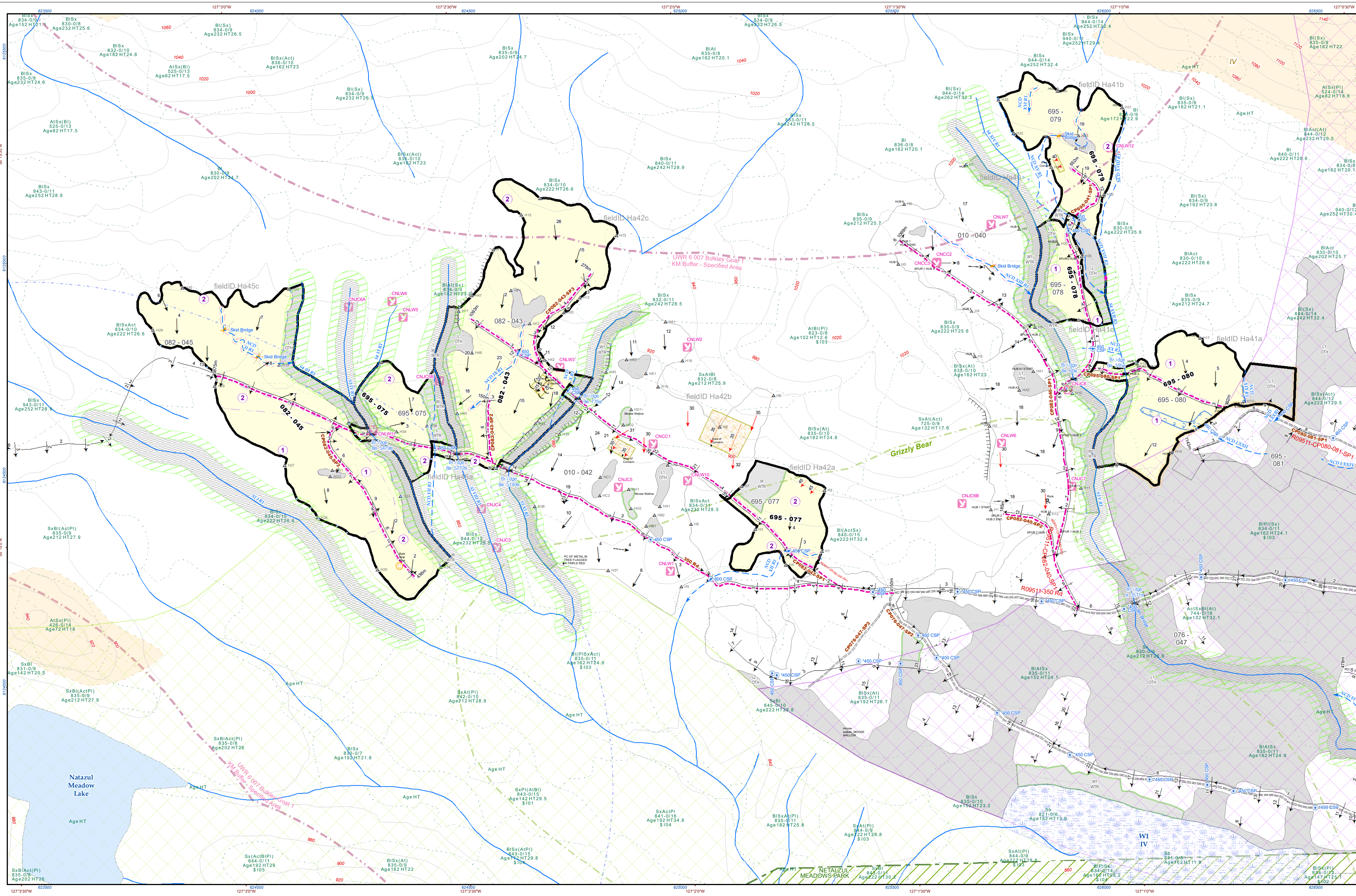






Pacific Inland Resources
A Division of West Fraser Mills Ltd.
P.O. Box 3130 Smithers, B.C. V0J 2N0 Phone: (250) 847-2656

SITE PLAN & LOGGING PLAN
1:5,000

Licence: A16830

Permit: 082

Block: 043, 045

695 075,077,078,079,080

Forest Region: **RNI**

Forest District: **DSS**

Mapsheet: **093M025**

Operating Area: **Harold Price**

Date Created: **12/2/2019**

Forester: **Paul Schwarz**

Created By: **Paul Schwarz**

EMERGENCY INFORMATION

Access Directions:

CP 082 BLOCK 043 - STANDARD UNIT SUMMARY

Latitude : **55 15' 15.39"**

Longitude : **-127 2' 21.71"**

UTM North: **6124839.6**

UTM East: **624616.1**

Opening Area	WTR Area	Leave Area	Gross Cutdown Area
13.4	1.2	1.3	15.9
Permanent Access Area	Natural Non-Productive Area	Net Area to Reforest	
0.7		12.7	

SU	SU Type	Biogeoclimatic Information	Silviculture Regime I.D.	Max. Allowable Soil Dist %	Gross Area	NAR	
1	PROD	SBSmc2	09(7) 06(3)	1055565.0	10.0	12.7	12.7
L	OTH				1.3		
O	NP				0.7		
W	WTR				1.2		
TOTALS						15.9	12.7

CP 082 BLOCK 045 - STANDARD UNIT SUMMARY

Latitude : **55 15' 18.79"**

Longitude : **-127 2' 50.94"**

UTM North: **6124621.3**

UTM East: **624105.9**

Opening Area	WTR Area	Leave Area	Gross Cutdown Area
16.0	0.9	1.5	18.4
Permanent Access Area	Natural Non-Productive Area	Net Area to Reforest	
0.6		15.4	

SU	SU Type	Biogeoclimatic Information	Silviculture Regime I.D.	Max. Allowable Soil Dist %	Gross Area	NAR	
1	PROD	SBSmc2	05(5) 06(4) 09(1)	1055565.0	10.0	5.5	5.5
2	PROD	SBSmc2	09(7) 06(3)	1055565.0	5.0	9.9	9.9
L	WTR				0.9		
O	NP				0.6		
W	OTH				1.5		
TOTALS						18.4	15.4

Summary of unique site conditions or management strategies that will potentially affect the choice of logging equipment, logging contractor, or timing of operations such as:

Road construction and deactivation/access control is directed by the R09511-CP082/010/695 Road Plan; refer to this document for these activities.

Cross streams as per the Road Plan; minimize crossing of NCDs within blocks. Harvest across NCD MFZs but retain non-merchant trees and brush along the drainages. Utilize non-skid zones to increase non-merchant retention outside stream reserves to increase their wind firmness; note a 10m SMZ along blk75 stream S4-V. Follow similar non-merchant retention practices along block boundaries to reduce windthrow post-harvest.

Note safety considerations around mapped steep slope sections; apply steep slope SWPs in blk43, blk77 and blk79.

"10% allowable" blocks have summer access ground, but timing is limited by goat / grizzly habitat and landscape corridor restrictions along with access control for the wilderness lake and Park adjacency. Road construction and harvest is expected to occur this fall (2019) and into the winter as needed.

Retain deciduous and Hw as operationally feasible for wildlife reasons; 50% of each is reserved within the cruise.

Stub mapped bird nest trees as operationally feasible if within the harvest area; winter harvest in general is planned thus avoiding active nesting.

Grass seed disturbed soils >0.1ha to minimize invasive weed encroachment; see the Road Plan for additional direction.

CP082

Blk43: NCD-IX has a 10m wide gully and is MFZ ribboned; there is no designated skid crossing; forward wood around the end of the drainage. Clay soils are isolated along the W boundary (toe-slope) and represent <5% of the total block; winter harvest this portion as necessary.

Blk45: NCD-II MFZ marks soft, wet ground; two skid crossings are flagged. SU2 along the SE boundary has pockets of organic over clay soils and in general this SU should target harvest under frozen conditions. Consider silviculture site preparation in SU2. Stub and retain the CMT at the end of SP2. Note that roads/block are within the 1km wilderness lake buffer and need to be temporary in nature and heavily deactivated post-planting.

CP695

Blk75: Like blk45 above, the S portion of blk75 has organic over clay soils; winter harvest where required.

Blk77: NCD-XII MFZ marks soft, wet ground; skid across when frozen if necessary and avoid decking in the MFZ. Lower slopes in SU2 have clay soils - winter harvest; cottonwood is common - retain as operationally feasible. Upper boundary slopes reach 45%.

Blk78: No specific concerns.

Blk79: The W boundary parallels an NCD draw at the toe of a sustained slope and has a high concentration of Clay; winter harvest. NCDs have MFZ ribbon; cross using designated skid crossings. Stub the triple red-ribboned bird nest tree as high as possible above the nest.

Blk80: A mapped wet clay area (10 site) exists in the middle portion of this block; cross when frozen. Stub the previously harvested adjacent boundary.

Coord: BC Albers

Datum: NAD83 (CAN)

Data: TRIM, FC1, TFM

Declination: November 3, 2015

(Smithers Airport): 18d 43.14m East (13.8°/yr W.)

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For further information or copies contact WFM @ 250-847-2656

TEMPLATE UPDATED: Feb. 4 2016

Path: Y:\PIR\Permits\LA16830_DSS\CP082\Permit Maps\CP082_SPL.mxd

EMERGENCY INFORMATION

Access Directions:

CP 695 BLOCK 075 - STANDARD UNIT SUMMARY

Latitude : **55 15' 9.11"**

Longitude : **-127 2' 37.33"**

UTM North: **6124637.8**

UTM East: **624345.7**

Opening Area	WTR Area	Leave Area	Gross Cutdown Area
2.5	0.7	0.7	3.9
Permanent Access Area	Natural Non-Productive Area	Net Area to Reforest	
0.1		2.4	

SU	SU Type	Biogeoclimatic Information	Silviculture Regime I.D.	Max. Allowable Soil Dist %	Gross Area	NAR	
1	PROD	SBSmc2	09(7) 06(3)	1055565.0	5.0	2.4	2.4
O	NP				0.1		
W	WTR				0.7		
L	OTH				0.7		
TOTALS						3.9	2.4

CP 695 BLOCK 077 - STANDARD UNIT SUMMARY

Latitude : **55 15' 0.57"**

Longitude : **-127 2' 47.32"**

UTM North: **6124398.9**

UTM East: **625236.1**

Opening Area	WTR Area	Leave Area	Gross Cutdown Area
3.4	0.8		4.2
Permanent Access Area	Natural Non-Productive Area	Net Area to Reforest	
0.2		3.2	

SU	SU Type	Biogeoclimatic Information	Silviculture Regime I.D.	Max. Allowable Soil Dist %	Gross Area	NAR	
2	PROD	SBSmc2	09(7) 06(3)	1055565.0	5.0	3.2	3.2
O	NP				0.2		
W	WTR				0.8		
TOTALS						4.2	3.2

CP 695 BLOCK 078 - STANDARD UNIT SUMMARY

Latitude : **55 15' 18.39"**

Longitude : **-127 1' 8.77"**

UTM North: **6124968.7**

UTM East: **625901.0**

Opening Area	WTR Area	Leave Area	Gross Cutdown Area
0.5	0.5		1.0
Permanent Access Area	Natural Non-Productive Area	Net Area to Reforest	
0.2		1.6	

SU	SU Type	Biogeoclimatic Information	Silviculture Regime I.D.	Max. Allowable Soil Dist %	Gross Area	NAR	
1	PROD	SBSmc2	05(5) 06(4) 09(1)	1055565.0	10.0	1.6	1.6
O	NP				0.2		
W	WTR				0.5		
L	OTH				0.3		
TOTALS						2.7	1.6

CP 695 BLOCK 079 - STANDARD UNIT SUMMARY

Latitude : **55 15' 27.3"**

Longitude : **-127 1' 6.96"**

UTM North: **6125245.2**

UTM East: **625925.1**

Opening Area	WTR Area	Leave Area	Gross Cutdown Area
5.4	0.1	1.2	6.7
Permanent Access Area	Natural Non-Productive Area	Net Area to Reforest	
0.1		5.3	

SU	SU Type	Biogeoclimatic Information	Silviculture Regime I.D.	Max. Allowable Soil Dist %	Gross Area	NAR	
1	PROD	SBSmc2	09(7) 06(3)	1055565.0	5.0	5.3	5.3
L	OTH				1.2		
O	NP				0.1		
W	WTR				0.1		
TOTALS						6.7	5.3

CP 695 BLOCK 080 - STANDARD UNIT SUMMARY

Latitude : **55 15' 8.63"**

Longitude : **-127 0' 55.34"**

UTM North: **6124674.1**

UTM East: **626146.8**

Opening Area	WTR Area	Leave Area	Gross Cutdown Area
6.5	0.2	1.7	8.4
Permanent Access Area	Natural Non-Productive Area	Net Area to Reforest	
0.3		6.2	

SU	SU Type	Biogeoclimatic Information	Silviculture Regime I.D.	Max. Allowable Soil Dist %	Gross Area	NAR	
1	PROD	SBSmc2	05(5) 06(4) 09(1)	1055565.0	10.0	6.2	6.2
L	OTH				1.7		
O	NP				0.3		
W	WTR				0.2		
TOTALS						8.4	6.2

▲ Boundary Hub

○ Tie Point

◆ Reach Break

● Tie Point

● Waterfall

Wet

Enduring_Nest

CMT

Other

Rock

Other

Edge of Drop

Ridge

Gully

Stub Boundary

Built

Proposed

< or = 29%

> or = 30%

Stream- Definite

Stream- Intermittent

Lake Definite

Swamp

LRM Blocks

OTH

WTR

Other Values

LMZ-1km line

MFZ

RRZ

RMZ; RMA

Steep Slope

Wet

Core Ecosystems

Enhanced Timber

Landscape Corridors

Grizzly Bear

Bulkley 1km goat buffer

LRM Standard Units

VRI 2018