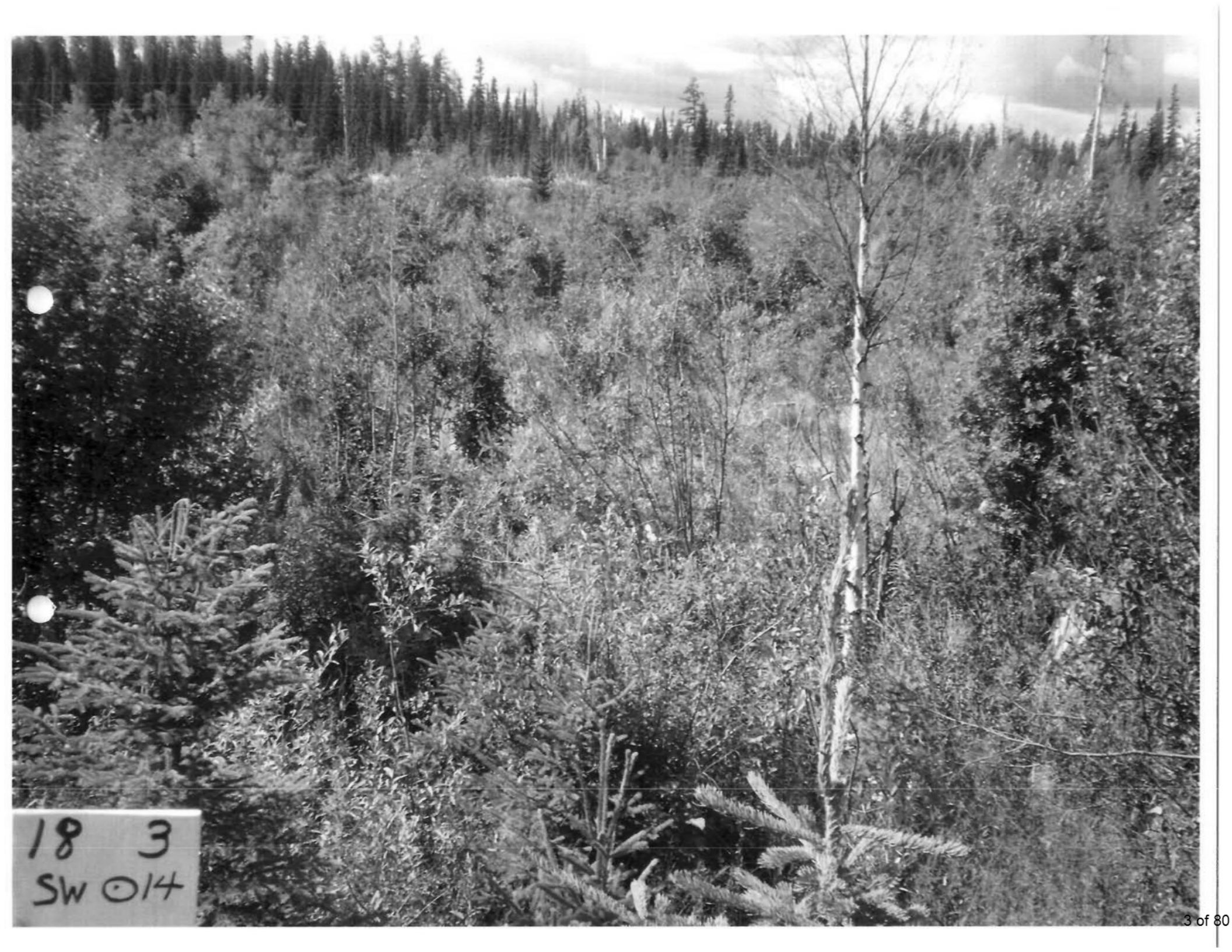




18 /





18 3
SW 014



18 3
NW 014



18 3
NW 014



18 2
E 07



18 2



**BCTS**BC Timber Sales
Prince George

Spatial Mapping Sheet

OPENING: <u>93J027-30</u> <u>A33761-1</u>	BILL TO: <u>ORION</u> TDB FORSITE
☐ Full Deal – Create Block and Link All	DATE: _____
☐ Enter Site Plan and Link	REQUESTED BY: <u>Richard / Jason / Rick / Bryan / Emile</u>
☒ Enter Eco-units and Link	
☐ Enter Standard Units and Link	
☐ Amend Standard Units	
☐ Enter Survey – Year _____	
☐ Check Line Work – Quality Check	
☐ Check Line Work – Problem	

Comments:

- Eco doms, SU/Eco overlay populated.

- Cleaned up old SP tabular data entry.

- Marsh area updated.

26 Oct '06 / *RM*

26.8

1.7

28.5 marsh.

BCTS - RESULTS Submissions

TSL A 33761 CP _____ BLOCK 1 OPENING #: 935027-30
JK March 20/05
INITIALS DATE

1. FILE REVIEW CONFIRMATION

- Check RESULTS for Declaration status. ☒ Regen ☐ FG
- If declared, print off the RESULTS Milestone report, highlight milestone and place on file. RG Declared Date: 1998-08-12 Late FG Date: _____
- Complete Regen / Free Growing check review form.
- Amendment required? (Complete and send to Richard) ☐ Yes ☒ No
- Draft covering letter and send to Richard for signing.
- Place copy on file and replace with the approved amendment once received.
- Complete GENUS/RESULTS data entries and update amendment once approved.
- Check if SU & Strata link is established in GENUS. ☒ Yes ☒ No
- Determine if mapping to be completed by:
 - ☐ Brooke
 - ☒ Spatial Mapping.
- Update and assign duties in Access database – genus_loading_status.mdb (located at P:\tpg_root\genus_status\genus_silv_data_loading_status.mdb)

2. GIS MAPPING LINKAGE

- Create, check and establish the correct links for this block for surveys, brushing, planting etc.
- Update the genus loading database located at P:\tpg_root\genus_status\genus_silv_data_loading_status.mdb

3. GENUS EXCHANGE PROCESSING

- Review, enter and update treatment regime and recommendations.
- Create Projects in GENUS for this coming field season plus two years. Use the following legend, i.e. for 2005 Herbicide project in GENUS is BR2006TPG-REHE (☐ BR..REHE, ☐ PL..REPL, ☐ SP..RESP, ☐ ST..REST, ☐ SU..RESU, ☐ TR..RETR)
- Prepare file electronically for submission (refer to PG Procedures).
- Check that species is in full % and add up to 100% (50, versus 5), Funding Source is (BCT), Crown Closure and Total Well Spaced Stems and Density values are entered on survey screen.
- Populate Stocking Status.
- Create XML.
- Print off the GENUS Exchange & GENUS Regen Delay and FG Reports.
- Send Activity to RESULTS, print the successful RESULTS activity submission.
- Check XML for map information on FG and Regen.
- For Spatial Layer on Activity submissions, select PG Blocks layer only. For FG and RD submissions select PG Blocks, PG SU, PG strata & PG silv-survey layers.
- Save to G:\BCTS\Results\Results Submissions\
 - ☐ Activity, ☐ All In One ☐ , Free Growing, ☐ Regen Delay\TSLA..CP#..Block#.xml.
- Update the genus loading database located at P:\tpg_root\genus_status\genus_silv_data_loading_status.mdb

4. BCTS SILVICULTURE PRACTICES FORESTER

- Prepare and submit RESULTS submission.
- Confirm that submission was successful & print RESULTS milestones report for file.

5. FILE

Return opening file to File Room.

File: 18765-30 BCTS Free Growing

Opening Number: 935027-30

Tenure: TSLA 33761 CP Block 1

Date: August 5, 2004 ☒ Single Storied Survey ☐ Multi-layered

S U	Strata	Target Stocking	Min Stocking	Min Preferred	Total # Well Spaced	Preferred Well Spaced	Species Preferred	Species Acceptable	Total # F G	Pref. # F G
A	A	1200	700	✓	1082	1000	Sx, P1	Fd, B1	694	647
B	B	1200	700	✓	900	856	Sx	P1, B1	278	256
C	✓	1000	500	✓	680	680	Sx	P1, B1	480	480

_____ Total ws FG stems of which _____ are preferred species, thus _____ > _____ minimum preferred.

_____ Total ws FG stems of which _____ are preferred species, thus _____ > _____ minimum preferred.

_____ Total ws FG stems of which _____ are preferred species, thus _____ > _____ minimum preferred.

_____ Block is FG and Recommended for Acceptance

☒ Block is Not FG and is Rejected.

Yours truly,

Eligible for Declaration (free growing window) 2003-2009

Hectares match SP - SU areas vs NAR/NP yes

Same stocking standards in survey & SP yes

Richard S. Dominy, MBA, MF, RPF
Silviculture Practices Forester

G:\BCTS\Silviculture\Free Growing\Forms\Free Growing Review.doc

Ministry of
Forests

British Columbia Timber Sales
Prince George Business Area

Location
2000 S. Ospika Blvd
Prince George

Mailing Address
2000 S. Ospika Blvd
Prince George, BC V2N 4W5

Email richard.dominy@gems6.gov.bc.ca

Tel: (250) 614-7525
Fax: (250) 614-7470

[Opening Inquiry](#)
[Multi-Tenure](#)
[Stocking Standards](#)
[Activities](#)
[Forest Cover](#)
[Milestones](#)
[Land Status](#)
[Attachments](#)

Org Unit: Status: APP
 Client: Name: WEST HILL LUMBER (1988) LTD.
 Opening: Opening Id: Licensee Opening Id:
 Licence No: CP: Timber Mark: Cut BI
 Exhibit A Area (ha): 28.9 Disturbance Gross Area (ha): 28.9 NAR (ha): 28.5 Forest Cover Area (ha)

RESULTS325 - Milestones

[Back](#)

Compliance Date Indicator: HARVEST

SU	SU Area Declaration Type	Due Early	Due Late	Date	Declared User ID	Cmt	Submission Date	
								Save
1	15.8 Post Harvest	0	0			No		Upd
1	15.8 Regeneration	1994-01	1998-01	1998-08-12	SHOUGH	No	2003-11-15	Upd
1	15.8 Free Growing	2003-01	2009-01			No		Upd
3	2.3 Post Harvest	0	0			No		Upd
3	2.3 Regeneration	1994-01	1998-01	1998-08-12	SHOUGH	No	2003-11-15	Upd
3	2.3 Free Growing	2003-01	2009-01			No		Upd
2	10.4 Post Harvest	0	0			No		Upd
2	10.4 Regeneration	1994-01	1998-01	1998-08-12	SHOUGH	No	2003-11-15	Upd
2	10.4 Free Growing	2003-01	2009-01			No		Upd

[Feedback](#)
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MINISTRY OF FORESTS

Opening #: 93J027-30
Lic-block: A33761

Boundary source: Ortho where visible. FC for part along adjacent
Road source: Ortho
Landing source: Ortho
Swamp source: N/A
Other base feature source: NP - one poly each from SU and survey
Other base feature source: N/A

logged,
blocks
along
pipeline

SU typeline source:
Digitized from SU map

SRV typeline source:
Used SU lines

Cover(s) to load to Genus (Atlas E:\data\bcts\load2genus):
j27-30sa

GENUS TABULAR AREA TRACKING:

	OLD (ha)	NEW (ha)
Gross	<u>28.9</u>	<u>29.3</u>
Estimated	<u>28.9</u>	
Merch	<u>28.9</u>	
Hrvst'd	<u>28.9</u>	
Remain'g	<u>0.0</u>	

	OLD (ha)	NEW (ha)
SU 1	<u>15.8</u>	<u>15.3</u>
SU 2	<u>10.4</u>	<u>9.4</u>
SU 3	<u>2.3</u>	<u>2.1</u>
SU 4		
SU 5		
SU 6		
W		
Z	<u>-</u>	<u>1.7</u>
NP	<u>-</u>	<u>0.9</u>
Other		<u>0.9</u>

	OLD (ha)	NEW (ha)
SRV A		<u>15.3</u>
SRV B		<u>9.4</u>
SRV C		<u>2.1</u>
SRV D		
SRV E		
SRV F		
W		
Z		<u>1.7</u>
NP		
Other		

no
records

Pathnames:

Digitized or FC data - Atlas E:\data\bcts\prep(x)

Digital survey data - Atlas E:\data\bcts\batch(x)

Ortho data - will be contained in the genus-ready cover(s) - Atlas E:\data\bcts\load2genus...

Final combined cover(s) ready to load into Genus - Atlas E:\data\bcts\load2genus...

SU data loaded/linked in Genus for this block?

☒ Y / ☐ N

Init: SR Jan 31/05

SRV data loaded/linked in Genus for this block?

☒ Y / ☐ N

Init: SR Jan 31/05

North Forest Holdings Ltd.

SILVICULTURE SURVEYS

Surveyor: A Ellis #AA9200027 RFT 1008

LICENSEE: BCTS

Opening No.:	93J027-30	Survey Type:	FG	Contract No.:	SU09TGF-003
Cutting Permit No.:	A33761-1	Survey Date:	Sept 6, '08	License No.:	A33761-1
Block/Setting:		Compile Date:	Sept 6, '08	Lat/Longs:	541615/1223816
Location:	Summit Lake	Forest Region:	PG	Forest District:	PG
Access:	2wd if dry to west end of blk, east access road overgrown, by foot only				

Survey Parameters (Free Growing Guideline Method)

Pref Sp:	Sw PI
Acc Sp:	Fd BI
Stocking Standards:	1200/700/600
MITD:	1.6
Min hts:	PI 2 Fd 1.4 Sx/BI 1
M value:	6
# of plots:	5 walkthrough determines minimum plot intensity is adequate

Standard Unit 1

Stratum:	A	Site Index:	18	HISTORY:			
Status:	FG	SI spp.:	Sx	M94			
Ecological Assoc.:	SBSmk1 01/07	SI Method:	SIBEC	CBW06	O	L94	
FG	FG Sx100-11-4.0-18-1040(08)			P96			
Inv.:	Sx90(BIEp)10-11/11-4.0/6.0-18-30-2600						
Silv Leader	40	Silv Ht.:	400	Inv Leader:	30	Inv Ht.:	380
Gross Stratum (ha):		NP(nat.):		NP(unnat.):		Net Area:	15.3 ha
Plot Multiplier:	200	Conifer Brush Ratio %:	150	Max Density:	10000		

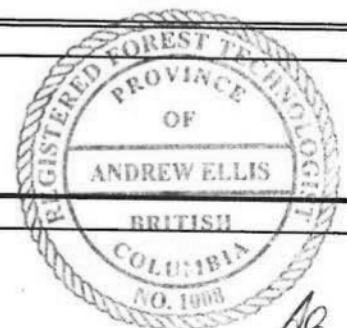
Calculations/Stocking Stds		Forest Health			Competing Vegetation		
Total Trees/ha:	2600	Health Code:	% conifers affected	% Host Affected	Vegetation	% Cover	Avg. Ht.
Total Conifers/ha:	2120	IWS		5(Sx)	nil		
Cnt. Conifers/ha:							
Total plantable/ha:							
Total preparable/ha:							
Planting difficulty:							
	SPH (p+a)	SPH (p)	S.D.:	S.Error x.	t.90	CI+/- ws/ha	L.C.L.
WS	1160	1160	0.4472	0.2	2.132	85	1075
FG	1040	1040	0.8366	0.3741		160	880
TSS	1200		Preferred Spp. Sx PI				
MSS	700	600	Accept Spp.: Fd BI				
uncapped WS	1400						

Stratum Description

Brush (avg.%):	1%	Slope (%):	var	Soil Text.:	Aspect:	N/NE
Slash (avg.% cov.):	2	Slope Pos.:	var	C.F. %:	Elev.(m):	775
Rolling terrain, well drained. Herbicide eliminated all deciduous/brush species. Should be noted that riparian system in west arm, ~30m wide by 250m long, (see map) was also sprayed eliminating brush species and releasing no conifer layer. Beyond this area Sx stock is thriving and the dominant feature. Leader weevil is present in the stand but stems generally recover the following year and repeat hits are rare. In the isolated NE patch herbicide was less effective (downhill drift) and the Ep/At layer does impact on potentially FG stems.						

Recommended Treatments

Primary	
1) 2008 declare FG	
Alternative	
1) 2008 declare FG	
2) follow up with manual BW in the NE patch.	



North Forest Holdings Ltd.

SILVICULTURE SURVEYS

Surveyor: A Ellis #AA9200027 RFT 1008

LICENSEE: BCTS

Opening No.:	93J027-30	Survey Type:	FG	Contract No.:	SU09TGF-003
Cutting Permit No.:	A33761-1	Survey Date:	Sept 6, '08	License No.:	A33761-1
Block/Setting:		Compile Date:	Sept 6, '08	Lat/Longs:	541615/1223816
Location:	Summit Lake	Forest Region:	PG	Forest District:	PG
Access:	2wd if dry to west end of blk, east access road overgrown, by foot only				

Survey Parameters (Free Growing Guideline Method)

Pref Sp:	Sw
Acc Sp:	PI BI
Stocking Standards:	1200/700/600
MITD:	1.6
Min hts:	PI 2 Sx/BI 1
M value:	6
# of plots:	5 walkthrough determines minimum plot intensity is adequate

Standard Unit 2

Stratum:	B	Site Index:	18	HISTORY:			
Status:	FG	SI spp.:	Sx	M94			
Ecological Assoc.:	SBSmk1 08	SI Method:	SIBEC	CBW06	O	L94	
FG	FG Sx100-11-4.0-18/E-1120(08)						
Inv.:	Sx90Ep10-11/8-4.0/4.0-18/E-35-3080(08)			P96			
Silv Leader	40	Silv Ht.:	4	Inv Leader:	30	Inv Ht.:	3.5
Gross Stratum (ha):		NP(nat.):		NP(unnat.):		Net Area:	9.4 ha
Plot Multiplier:	200	Conifer Brush Ratio %:	150	Max Density:			

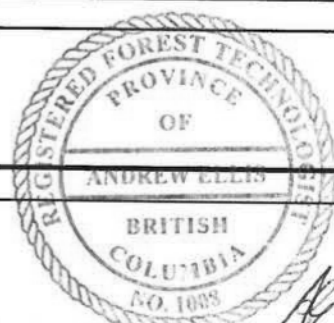
Calculations/Stocking Stds		Forest Health			Competing Vegetation		
Total Trees/ha:	3080	Health Code	% conifers affected	% Host Affected	Vegetation	% Cover	Avg. Ht.
Total Conifers/ha:	2480	IWS		5.0	alder	10	500
Cnt. Conifers/ha:					willow	5	300
Total plantable/ha:							
Total preparable/ha:							
Planting difficulty:							
	SPH (p+a)	SPH (p)	S.D.:	S.Error x.	t.90	CI+/- ws/ha	L.C.L.
WS	1120	1120	0.8944	0.4	2.132	170	950
FG	1120	1120	0.5477	0.2449		104	1016
TSS	1200		Preferred Spp. Sx				
MSS	700	600	Accept Spp.: BI PI				
uncapped WS	1440						

Stratum Description

Brush (avg.%):	15%	Slope (%):	35	Soil Text.:		Aspect:	N
Slash (avg.% cov.):	5	Slope Pos.:	c/d	C.F. %:		Elev.(m):	775
Slight increase in nutrients with higher brush levels. Herbicide was not 100% effective here, there is some recovery of the Ep and the alder/willow is still thick in the west end and in that strip north of the overgrown inblock road which may have been buffered out as it is quite moist in that area. Downhill drift might account for the recovery in the remainder of the stratum. FG counts decrease in these areas but still exceed minimums and will increase over time. As with SU 1 that portion of SU 2 in the isolated NE patch also has an overall increase in deciduous/brush with less FG stems and a manual brushing would result in a substantial increase in FG crop stems.							

Recommended Treatments

Primary
1) declare FG '08
Alternative
1) declare FG '08
2) manual brush the NE patch.



North Forest Holdings Ltd.

SILVICULTURE SURVEYS

Surveyor: A Ellis #AA9200027 RFT 1008

LICENSEE: BCTS

Opening No.:	93J027-30	Survey Type:	FG	Contract No.:	SU09TGF-003
Cutting Permit No.:	A33761-1	Survey Date:	Sept 6, '08	License No.:	A33761-1
Block/Setting:		Compile Date:	Sept 6, '08	Lat/Longs:	541615/1223816
Location:	Summit Lake	Forest Region:	PG	Forest District:	PG
Access:	2wd if dry to west end of blk, east access road overgrown, by foot only				

Survey Parameters(Free Growing Guideline Method)

Pref Sp:	Sw
Acc Sp:	PI BI
Stocking Standards:	1000/500/400
MITD:	1
Min hts:	PI 2 Fd 1.4 Sx/BI 1
M value:	5
# of plots:	5 walkthrough determines minimum plot intensity is adequate

Standard Unit 3

Stratum:	C	Site Index:	18	HISTORY:			
Status:	FG	SI spp.:	Sx	M94			
Ecological Assoc.:	SBSmk1 08/09a	SI Method:	SIBEC	CBW06	O	L94	
FG	FG Sx100-11-2.80-18/E-680(08)			P96			
Inv.:	Sx100-5-1.00-18/E-25-1960(08)						
Silv Leader	30	Silv Ht.:	280	Inv Leader:	12	Inv Ht.:	100
Gross Stratum (ha):		NP(nat.):		NP(unnat.):		Net Area:	2.1 ha
Plot Multiplier:	200	Conifer Brush Ratio %:	150	Max Density:			

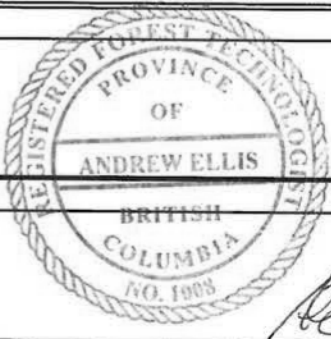
Calculations/Stocking Stds		Forest Health			Competing Vegetation		
Total Trees/ha:	3080	Health Code	% conifers affected	% Host Affected	Vegetation	% Cover	Avg. Ht.
Total Conifers/ha:	2480	IWS		5.0	Alsi	50	400
Cnt. Conifers/ha:		NY		3.0			
Total plantable/ha:							
Total preparable/ha:							
Planting difficulty:							
	SPH (p+a)	SPH (p)	S.D.:	S.Error x.	t.90	CI+/- ws/ha	L.C.L.
WS	920	920	0.8944	0.4	2.132	170	750
FG	680	680	1.3416	0.6		255	424
TSS	1000		Preferred Spp. Sx				
MSS	500	400	Accept Spp.: BI PI				
uncapped WS		1000					

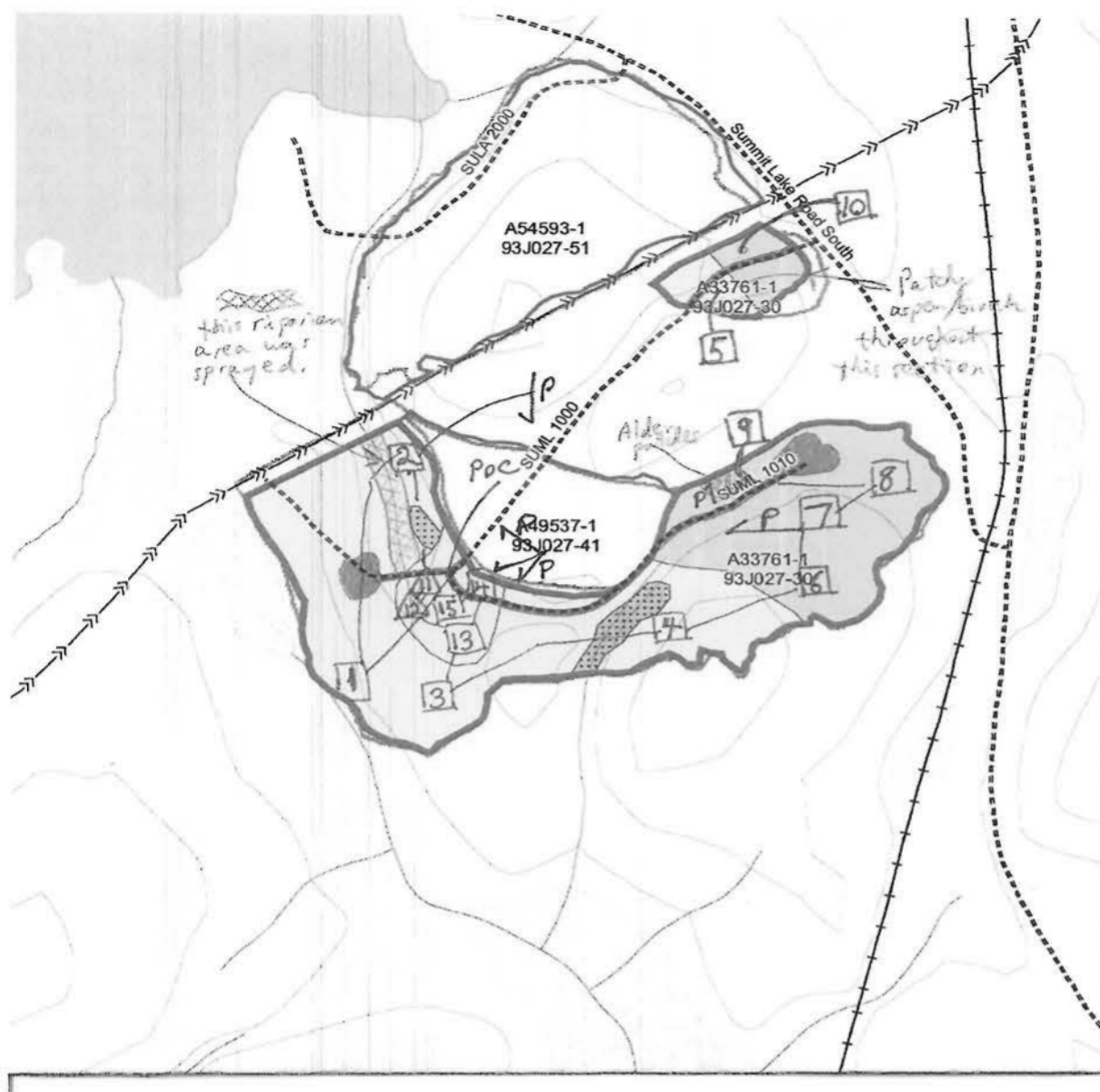
Stratum Description

Brush (avg.%):	50%	Slope (%):	2	Soil Text.:		Aspect:	var
Slash (avg.% cov.):	1	Slope Pos.:	g	C.F. %:		Elev.(m):	775
Depression feature, poorly drained through the NCD and NP area to the north. Alder patches are common with essentially void stocking underneath. Between the patches stocking is adequate and carries FG/SR status. The shrub complex (twinberry/red osier) was eliminated by the herbicide but the alder for the most part was either untreated or the dosage inadequate to kill it. The alder has a negligible impact on the stocking. Stock vigor is quite variable from robust planted stems over 4m to suppressed frost victims and natural clumps. FG count will increase over time towards the uncapped WS count.							

Recommended Treatments

Primary
1) declare FG '08
Alternative





HISTORY:

CBW06 M94 O L94
P96

Str	Ecology
SU 1 A	SBSmk1 01/07
15.3 ha	
SU 2 B	SBSmk1 08
9.4 ha	
SU 3 C	SBSmk1 08/09a
2.1 ha	

FG	FG Sx100-11-4.0-18/E-1040(08)
INV	Sx90(BIEp)10-11/21-4.0/6.0-18/E-30-2600
RECOM	1) 2008 declare FG
FG	FG Sx100-11-4.0-18/E-1120(08)
INV	Sx90Ep10-11/8-4.0/4.0-18/E-35-3080(08)
RECOM	1) declare FG '08
FG	FG Sx100-11-2.80-18/E-680(08)
INV	Sx100-5-1.00-18/E-25-1960(08)
RECOM	1) declare FG '08

Status
FG
FG
FG

Access: 4wd if wet. East west block road is overgrown.

Block	
Photo loc	P
Roads	
NP	

Status	Symbol
NSR plot	red ●
SR plot	green ▲
FG plot	blue ■



SU 1



SU 2



SU 3



SU 1



SU 2



SU 3



BRITISH COLUMBIA



SILVICULTURE SURVEY PLOT

Sept. 6 '08 AE

PAGE OF

REPORT NO.	935027-30	1	POINT OF COMMENCEMENT	Sept. 6 '08 AE		LICENCE NO.	C.P.	BLOCK													
SURVEY TYPE	OPENING NO.	STRATUM	East L.L.G.																		
BEARING & DISTANCE	PLOT NO.	LAYER	TOTAL TREES	TOTAL CONIFERS	COUNT	COUNT	WELL-SPACED PREFERRED AND ACCEPTABLE SPECIES			FREE-GROWING			PLANTABLE NUMBER 'M'	PREFERRABLE MODAL DATA	COMPETING VEGETATION			FOREST HEALTH			
							TOTAL W	TOTAL FG	TOTAL HEIGHT (cm)	AGE (year)	SPECIES	% COVER			HEIGHT (cm)	PEST CODE	LIVE TREES	DEAD TREES			
	1	10	10																		
	54° 16'	11.4"	122° 38'	36.5"																	
	2	20	15																		
	54° 16'	18/1	122° 38'	36.6"																	
	3	7	7																		
	54° 16'	10.7	122° 38'	52.8"																	
	4	21	18																		
	54° 16'	11.6	122° 38'	11.6"																	
	5	7	5																		
	54° 16'	28.9	122° 38'	04.5"																	
	TT 2600			TC 2120			uncapped WS 1400			SX 100/11-4			1040 sd. 8366 se. 3741			xf 2.132			CI = ± 160		
	WS FG 1160 sd. 4472 se. 0.2			FG SX 100-11-4- -1040			INV SX 90 (BIF ₀) ₁₀ -11/21 - 4/6			LCL 880 FG			LCL 1075 WS								

COMMENTS: (prescriptions, snags, watercourses, wildlife, stand damage, etc.) Area was brushed (to 4' side). V effective. 0.5 (isolated area) Lenticular for effective in case for manual brushing

FS 658 HSP 99.9
OPC 7530881008
036 732

DATA ON THE TOTAL HEIGHT AND AGE OF WELL-SPACED TREES, MAIN COMPETING VEGETATION AND INVENTORY COMPONENT SHOULD BE RECORDED ON THE FIRST PLOT ESTABLISHED IN THE STRATUM, AND EVERY FOURTH PLOT THEREAFTER. PUT INVENTORY COMPONENT ON LINES BETWEEN PLOTS.



BRITISH
COLUMBIA



SILVICULTURE SURVEY PLOT

Sept. 6 A2

PAGE OF
C.P. BLOCK

REPORT NO. 935027-30		2		POINT OF COMMENCEMENT		ELG 750-800		LICENCE NO.		C.P. BLOCK									
SURVEY TYPE		OPENING NO.		STRATUM															
BEARING & DISTANCE	PLOT NO.	LAYER	TOTAL TREES	TOTAL CONIFERS	COUNT CONIFERS	COUNT HEIGHT	WELL-SPACED PREFERRED AND ACCEPTABLE SPECIES		FREE-GROWING TOTAL TOTAL		TOTAL HEIGHT (cm)	AGE (year)	PLANTABLE NUMBER "N"	PREPARABLE	MODAL DBH	COMPETING VEGETATION		FOREST HEALTH	
																SPECIES	% COVER	HEIGHT (cm)	PEST CODE
	6	14	9				Sx P1 B1		7	5	3.5	11							
270/1000	54°16'	11.8"	122°38'	6.2"															
	7	12	11						8	6	3.5	11							
	54°16'	14.9"	122°38'	2.9"			SX90 BL10/11/11-3-3												
	8	10	7						4	6									
	54°16'	16.8"	122°37'	52.5"			SX90 Ep10-11/9-3/2 (Ep dying)												
	9	17	17						8	6	3.5	11							
	54°16'	17.5"	122°38'	1.6"			SX90 BL10-11/20-2/5												
(b)10	24	18							9	5	3.5	11				Susp 10 400	IWS 1		
	54°16'	30.9"	122°38'	7.3"			SX70 Ep9-11/8-4/7 (herbicide effective)												
	TT	3080					FG-1120 sd. 5477 se. 2449									CI ± 104			
	TC	2480					FG SX100-11-4- -1120												
	uncapped WS	1440					INV SX90 Ep10-11/8-4/5- -3080										IWS x 3%		
							WS=1120 sd. 8944 se 0.4 CI ± 170										LC _{WS} = 950		
COMMENTS: (prescriptions, snags, watercourses, wildlife, stand damage, etc.)																			
- Herbicide not 100% effective due to hillside drift																			

FS 658 HSP 98/9
OPC 7530881008

DATA ON THE TOTAL HEIGHT AND AGE OF WELL-SPACED TREES, MAIN COMPETING VEGETATION AND INVENTORY COMPONENT SHOULD BE RECORDED ON THE FIRST PLOT ESTABLISHED IN THE STRATUM, AND EVERY FOURTH PLOT THEREAFTER. PUT INVENTORY COMPONENT ON LINES BETWEEN PLOTS.



BRITISH
COLUMBIA



SX95BLS-11/11-3.0/3.4

1800/500/400

SILVICULTURE SURVEY PLOT

Sept. 6 AE

54°11'16.3" N
122°38'32.5" W

PAGE OF

REPORT NO 93J027-30		3		POINT OF COMMENCEMENT		LICENCE NO.		C.P.		BLOCK	
SURVEY TYPE		OPENING NO.		STRATUM							

BEARING & DISTANCE	PLOT NO.	LAYER	TOTAL TREES	TOTAL CONIFERS	COUNT CONIFERS	COUNT HEIGHT	WELL-SPACED PREFERRED AND ACCEPTABLE SPECIES		FREE-GROWING		TOTAL AGE (year)	PLANTABLE NUMBER "N"	PREPARABLE MODAL DMM	COMPETING VEGETATION		FOREST HEALTH	
							TOTAL W	TOTAL FG	TOTAL HEIGHT (cm)	SPECIES				% COVER	HEIGHT (cm)	PEST CODE	AFFECTED LIVE TREES
	11	4	4				SX P1 B1										WS 1
	54°16'	12.7	122°38'	53.4	2/3												
	12	11	11		2/5												
	54°16'	13	122°38'	20.6			SX100-11-2.5										
	13	9	9		3/4	1/1											WS 1
	54°16'	11.4	122°38'	29.5			SX95-11-3(BLS-11-3S)										
	H	9	8		4/6												
	54°15'	15.3	122°38'	30.2			SX100-11-3										
	15	15	16		5/6												NY 1
	54°15'	13.5	122°38'	32.2													
TT = 1960							ΣFG 680 sd 1.346 0.6se CI = ±255							LCL = 424		MAX PLOTS	
TC = 1920							ΣWS 920 sd .8744 0.4se CI = ±170							LCL = 750			
uncapped WS 1000							FG SX100-11-2.80 - - 680										
							1 NV SX100-5-1.00 - - - 1960									WS 5% NV 3%	

COMMENTS:
(prescriptions, snags, watercourses, wildlife, stand damage, etc.)

Reserving! Concave Profile! Herbicide v effective
(15) 12 vs 16 (27)

FS 658 HSP 98/9
OPC 7530881008
(100 PAX)

DATA ON THE TOTAL HEIGHT AND AGE OF WELL-SPACED TREES, MAIN COMPETING VEGETATION AND INVENTORY COMPONENT SHOULD BE RECORDED ON THE FIRST PLOT ESTABLISHED IN THE STRATUM, AND EVERY FOURTH PLOT THEREAFTER. PUT "0" FOR ZERO COMPONENT ON LINES BETWEEN PLOTS.

1. LOCATION

Licence:	A33761	Opening #:	93J027-030	CP/ Block:		Stratum:	
Access:							

2. PURPOSE OF TREATMENT

Current Pest Problem:	Aspen, birch
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3. TREATMENT OPTIONS / SELECTED OPTION X

Chemical Methods:	• Aerial Application of Vision – Broadcast <u>X</u>	Pilot Discretion <u>—</u>
	• Backpack Application of Vision – Broadcast <u>—</u>	Selective <u>—</u>
	• Basal Bark Application of Release <u>—</u>	
Manual Methods:	• Manual Girdling/Snapping <u>—</u>	
	• Manual Brushsaw <u>—</u>	
	• Cut-Stump Application of Vision <u>—</u>	

4. LIMITING FACTORS TO TREATMENT

Residuals:	Scattered – minimal impact to efficacy
Height of Target Species:	2.5
Waterbodies:	
Presence of Fish:	
Other Resource Users:	
Slope Into Waterbodies:	

5. ASSOCIATED VEGETATION

	Species	
Primary Target Species, Height (m), & % Cover	Birch, aspen	2.5m Height, 70% Cover,
Dominant Non-Target Species, Height (m), & % Cover	Alder	2.5m Height, 10% Cover
Deciduous Target Species Density (stems/ha) Average	Birch, aspen	7550 Stems/ha (Average)
Deciduous Target Species Density (stems/ha) Range	Birch, aspen	3800 to 13400 Stems/ha (Range)
Deciduous Target Species Diameter (cm) Average	Birch, aspen	2.0cm (Average)
Deciduous Target Species Diameter (cm) Range	Birch, aspen	0.5cm to 6.0cm (Range)

6. HABITAT ASSESSMENT

Potential Habitat Concerns						
Vegetation cover, divided into overstorey, understorey, and opening to understand competition at all levels. Stratify block according to information gathered. Include oblique or aerial photos.						
RETENTION BLOCKS (overstorey present)						
OVERSTOREY VEGETATION			UNDERSTOREY VEGETATION			
species	% cover	avg. height (m)	species	% cover	avg. height (cm)	

CLEARCUT OPENINGS (no overstorey present)						
species	% cover	avg. height (m)	species	% cover	avg. height (cm)	
Alder	10	2.5				
Birch	70	2.5				
Willow	2	2.0				
Rose	2	1.0				

Obvious presence (Y or N):	Beaver <u>N</u>	Eagle nests <u>N</u>	Osprey nests <u>N</u>
Comments:			

Fisheries Habitat Assessment									
Waterbodies within treatment site boundary?									
Waterbodies immediately adjacent to treatment site?						Closest distance (m):			
Unclassified Waterbodies?									
Classification of waterbodies (map identified waterbodies):									
Wetland:		River:		Stream:		Ditch:		Lake:	Ephemeral:
Other:									
Are fish present?	Yes:		No:		Comments:				

Signature: _____

Date: _____

* ATTACH MAPS AND PHOTOS



93J027-030

Code: C
Method: Aerial Helicopter**HERBICIDE OPERATIONAL FORM**

Customer: MOF Prince George Plan #: ACTS-PG-PMP-11/06 Date: September 6 2006
Forester: Michael Wells Location: Summit Lk. Block #: 27-30
Total Ha.: 27.5 Litres/Ha.: 5L/Ha Product Name: Vision PCP#: 19899
Pest Treated: _____ Purpose: Crop Release

Load #	Total Mix (Litres)	Product (Litres)	Time Out	Date	Load #	Total Mix (Litres)	Product (Litres)	Time Out	Date
1	250	25	19:00	Sept 6	11				
2	250	25	19:09	Sept 6	12				
3	250	25	19:19	Sept 6	13				
4	250	25	19:29	Sept 6	14				
5	200	20	19:40	Sept 6	15				
6	175	17.5	19:51	Sept 6	16				
7					17				
8					18				
9					19				
10					20				

Total Product: 137.5Actual Ha.: 27.5Actual Litres / Ha.: 5L/Ha

Weather Conditions:

Date / Time	Temp	RH	Wind	Remarks
Sept 6 / 18:57	19°	51%	< 1 SE	
Sept 6 / 19:39	14.5°	65%	< 1 SE	

Authorization

Print Name

Signature

Loader: Jon FritzPilot: Clint WalkerForester: Michael Wells

CODES: C = Conventional HV = High Volume B = Broadcast PS = Pilot Select

FOREST DISTRICT: DPG
OPENING NO.: 93J027-30
UNIT NO.: 17
SURVEY TYPE: STOCKING
LOCATION: SUMMIT LAKE

FOREST SERVICES LTD.
Box 59
South Hazelton, B.C. V0J 2R0
Phone: (250)842-6225
Fax: (250)842-6704

SCALE: 1:10,000
CONTRACT: SU02DPG2012
FIELD WORK: SS,AM,EV
DRAWN BY: MAPS & MORE
Bev Jones

TREATMENT MAP

Orange bagline total 690m

ACCESS-HWY 97N to Summit Lake Rd. (~35 km)
Left off HWY 600m to left to
access block.

Orange bag line ran as B/LK
boundary to separate adjacent
B/LK. Adjacent B/LK Logged in 1995.
93J027-030 Logged in 1994, NO
distinguishing features or timber
boundary between the two.

FHL
27.5 ha
06 Sept 06

NCD Dry
Swamp Dry

Road joins up

NCD DRY

Wet ditch water
very small. Anticipated
to dry long long time.
No concern.

Low amounts of Scattered
Mature EP residuals. Not a
concern to aerial applicability.

TYPE	STOCKING STATUS	LABELS (SILV/INV)	SITE SERIES	HISTORY	TREATMENT TYPE	AREA
A	SR	INV:EP ₄₇ At ₄ Sx ₃₀ Bl ₁₉ -5-1.5-18-40-6284 SILV:Sx ₈₆ Bl ₁₄ -5-0.64-18-1200-01-7-0				
B	SR	INV:EP ₅₈ Sx ₂₃ Bl ₁₄ At ₄ Fd ₁ -5-1.5-18-50- SILV:Sx ₈₆ Bl ₁₄ -5-0.78-18-1200-01-7-0				
C	SR	INV:EP ₄₄ Sx ₄₂ At ₈ Bl ₆ -5-1.0-18-30-6067 SILV:Sx ₉₅ Bl ₅ -5-1.1-18-1300-01-7-0				
REL						
NP						
TOTAL						

LEGEND

Cut Boundary: _____

Strata Boundary: _____

Road: _____

Landing: _____

Swamp: _____

LICENCE: A33761

GROSS BLOCK AREA: 28.8 ha

PFZ (net): _____ ha

GROUND APPLICATION

Directed Foliar (gross area): _____ ha

Max Area to be Treated: _____ ha

Backpack Foliar (net ha): _____ ha

Basal Bark (net ha): _____ ha

Spot Cone (net ha): _____ ha

Cut Stump (net ha): _____ ha

Manual Brush and Weed (net ha): _____ ha

SPECIAL CONCERNS:

WATER FEATURES:

PERMIT/BLK: 1

NAR: 22.6 ha

OPENING #: 93J027-030

AERIAL APPLICATION

PILOT DISCRETION (gross area): _____ ha

Max Area to be Treated: _____ ha

AERIAL BROADCAST (net ha): 27.6 ha

LOW DRIFT (net ha): _____ ha

CHEMICAL RATE (L/ha): 5

MAX ALLOWABLE CHEMICAL (L): 137.98

TOTAL NET AREA TO TREAT (ha): 22.6 ha

Adjacent B/LK logged around same time. Orange bagline as boundary.

QUALITY ASSURANCE CHECKLIST

TSL# A33761 BLK. # 1 OPENING NUMBER 935027-30

Block Details Tab:

- ☒ YES Opening Number and Mapsheet fields are in the proper format: 93G014-34
- ☒ YES Latitude and longitude are entered (to the nearest second, if possible).
- ☒ YES Elevation is entered (if missing, determine elevation and enter in Ecology Units).
- ☒ YES Previous Stand Type, Timber Type and Order (= 1, 2), Age, and Height Stocking Class (please note that some age and height stocking class codes have been entered backwards)
- ☒ YES Site Index and Source correct (Source is E or H where already filled-in.)
- ☒ YES Operating Area is correct: Prince George; Robson Valley; TFL 30; TFL 53.
- ☒ YES Planning Status is entered; Funding Code is BCT; and Category is FTSBF.
- ☒ YES The applicable Block State has been selected.
- ☒ YES Prov Frst Conflict= Within
- ☒ YES Traverse= POC and POT
- ☒ YES Directions are entered under the Comments section.

Plan-SP:

- ☒ YES Each SU is digitized correctly and corresponds with the most current ortho.
- ☒ YES Stocking standards are complete.

Attachments

- ☒ YES The survey report has been attached to the appropriate Survey Activity.

Survey Activity- Details Tab:

- ☒ YES Start date and completion date; Contractor name; Funding Code is BCT; Access Comments; and Silviculture Project ID is entered.

Survey Activity- Survey Units Tab:

For Roads:

- ☒ YES Enter "I" for layer; Reference Year (year of survey); and "NP/UNN" for Stocking Status/Type.

For WTPs/Reserves:

- ☒ YES Enter "I" for layer; Reference Year; Crown Closure; Site Index; Site Source; Type/Objective; and "RES NAT" for Stocking Status/Type. For determining Type/Objective, refer to SP. **PLEASE NOTE:** Only complete if not previously populated from another silviculture survey. If entered and digitized in another survey, then NP and WTP are already linked to stocking status.

For Productive SUs:

- ☒ YES Enter "I" for layer; Reference Year (year of survey); Stocking Status/Type; Site Index; Site Source; Density (total trees); Crown Closure; and Countable Conifers (optional). Pest Code and Percentage are entered if applicable.
- ☒ YES Enter "S" for layer; Site Index; Site Source; Total Free Growing (if applicable); Total Well Spaced; Total Preferred Free Growing (if applicable); Total Preferred Well Spaced; and Lower Confidence Limits for both. Well spaced does not exceed the "m" value.
- ☒ YES For Inventory and Silviculture Layers: enter Species; Percent (to the nearest % for "S" and to the nearest 10% for "I" with a total of 100%); Age (leading and second leading species for "I"); and Height (leading species and second leading species for "I").
- ☒ YES Enter the Milestone date for any productive SU and check the checkbox (only if the milestone is met).
- ☒ YES The activity status has been changed to DONE.

Populating the Stocking Status:

- ☒ YES SU/stratum link: Each stratum belongs to only 1 SU.
- ☒ YES All polygons are linked. There are no slivers that have been missed. Existing linework has been used where appropriate (copy function).
- ☒ YES All productive strata < 1 ha have been minimized.
- ☒ YES Strata Area = Block Area.

Silviculture Activity Regime:

- ☒ YES The activity regime is updated based on the survey recommendations OR based on the default regime (Next scheduled survey is < 5 years).
- ☒ YES Previously planned activities that are not applicable have been updated or deleted.
- ☒ YES The Planned Area= the SP NAR.

Survey Report:

- ☒ YES Data in the silviculture survey activity is the same data as in the survey report (densities, species %, pest code and %, etc.).

Is an SP amendment required? ☒ YES ☐ NO

Can Regen Delay be declared? ☐ YES ☒ ALREADY DECLARED ☐ ISSUES

Can Free Growing be declared? ☒ YES ☐ N/A ☐ ISSUES

Comments/Issues/Outstanding Work:

Submitted sp amendment on Feb 18/2009 for free growing leader heights update.

Completed by: Som Pun Date: Feb. 18/2009

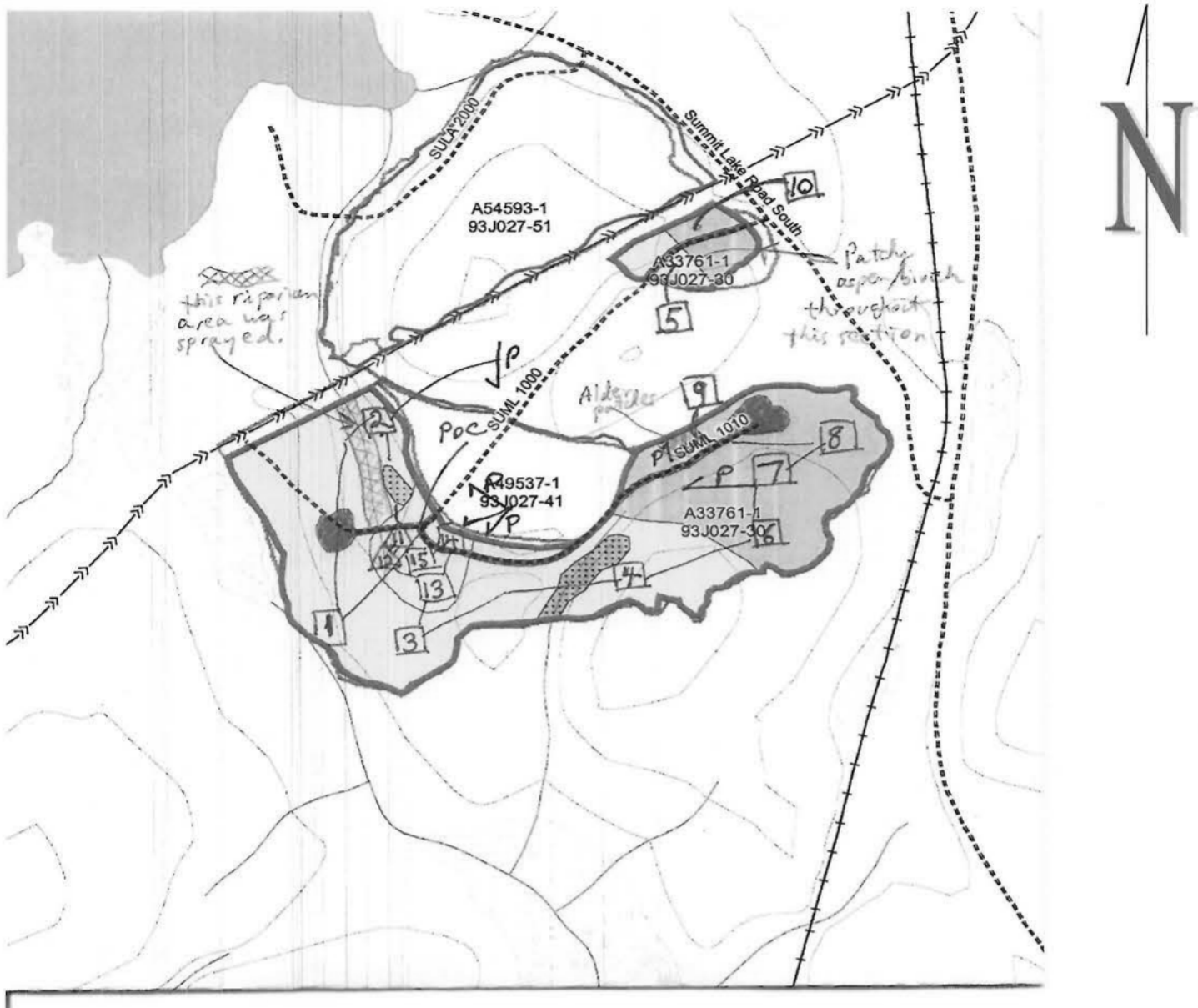
**Regeneration and Free Growing Milestone Checklist
Prince George Field Team**

Regen delay was declared on 12-08-98.

Opening Number: *93J027-30* Submission Date: *Feb. 18/2009 on*
 Tenure (Lic./CP/Blk/SU): *A33761-1/81-11/213* Gross Area (ha): *28.8 ha -*

Completed by: *Sam Pun*

Type of Milestone	Requirements Achieved			Comments
	Yes	No	N/A	
SP Amendment				
Do Early/LFG dates require amending?		✓		
Genus SU's, stocking standards and area updated to reflect RESULTS?	✓			
Amendment # and date in Genus?	✓			
Amendment approved? (Minor/Major//Approved Variation/Site Plan Amendment)				<i>Submitted on Feb. 18/2009.</i>
Milestone Requirements				
Survey stocking standards as per SP and RESULTS?	✓			
Acceptable seedlot(s) used? Record seedlot(s) #.	✓			<i>① 06585 (SX) ② 29163 (SX)</i>
Stratification Acceptable?	✓			
MSS- P, P & A; < Max. Density achieved?	✓			<i>Site-1 1160 (WS) 1040 (FG) Site-2 1120 (WS) 1120 (FG) Site-3 920 (WS) 680 (FG)</i>
Stand health acceptable?	✓			
Competing vegetation limits met?	✓			
Sufficient time since brushing?	✓			
Genus block state updated? Free Growing Activity set to DONE in the Genus Block Window.	✓			
RESULTS updated through Genus Exchange? Forest Cover, Activities (PLANTING), Milestone, Spatial verified in RESULTS?	✗			<i>Awaiting for SP Amendment approval.</i>
Forms to be put on Opening File				
SP amendment?	✓			
SP map (only for SP amendment)?	✓			
Survey Report and Survey Map?	✓			
Form A, B, C from Genus Exchange?				
Spatial Mapping Quality Assurance Checklist? Reviewed?	✓			
Additional Comments/Issues/Outstanding Work:				
<i>Declared FG. Awaiting Amendment approval.</i>				



HISTORY:

M94		
CBW06	O	L94
	P96	

Str	Ecology	FG		Status
SU 1	A SBSmk1 01/07	FG	FG Sx100-11-4.0-18/E-1040(08)	FG
15.3 ha		INV	Sx90(BIEp)10-11/21-4.0/6.0-18/E-30-2600	
		RECOM	1) 2008 declare FG	
SU 2	B SBSmk1 08	FG	FG Sx100-11-4.0-18/E-1120(08)	FG
9.4 ha		INV	Sx90Ep10-11/8-4.0/4.0-18/E-35-3080(08)	
		RECOM	1) declare FG '08	
SU 3	C	FG	FG Sx100-11-2.80-18/E-680(08)	FG
2.1 ha	SBSmk1 08/09a	INV	Sx100-5-1.00-18/E-25-1960(08)	
		RECOM	1) declare FG '08	

Access: 4wd if wet. East west block road is overgrown.

Block		Status	Symbol
Photo loc		NSR plot	red ●
Roads		SR plot	green ▲
NP		FG plot	blue ■

North Forest Holdings Ltd.

SILVICULTURE SURVEYS

Surveyor: A Ellis #AA9200027 RFT 1008

LICENSEE: BCTS

Opening No.:	93J027-30	Survey Type:	FG	Contract No.:	SU09TGF-003
Cutting Permit No.:	A33761-1	Survey Date:	Sept 6, '08	License No.:	A33761-1
Block/Setting:		Compile Date:	Sept 6, '08	Lat/Longs:	541615/1223816
Location:	Summit Lake	Forest Region:	PG	Forest District:	PG
Access:	2wd if dry to west end of blk, east access road overgrown, by foot only				

Survey Parameters(Free Growing Guideline Method)

Pref Sp:	Sw PI
Acc Sp:	Fd BI
Stocking Standards:	1200/700/600
MITD:	1.6
Min hts:	PI 2 Fd 1.4 Sx/BI 1
M value:	6
# of plots:	5 walkthrough determines minimum plot intensity is adequate

Standard Unit 1							
Stratum: A		Site Index: 18		HISTORY: M94 CBW06 O L94 P96			
Status: FG		SI spp.: Sx					
Ecological Assoc.: SBSmk1 01/07		SI Method: SIBEC					
FG		FG Sx100-11-4.0-18/E-1040(08)					
Inv.: Sx90(BIEp)10-11/11-4.0/6.0-18/E-30-2600							
Silv Leader 40		Silv Ht.: 400		Inv Leader: 30		Inv Ht.: 380	
Gross Stratum (ha):		NP(nat.):		NP(unnat.):		Net Area: 15.3 ha	
Plot Multiplier: 200		Conifer Brush Ratio %: 150		Max Density:		10000	

Calculations/Stocking Stds.		Forest Health			Competing Vegetation		
Total Trees/ha: 2600		Health Code	% conifers affected	% Host Affected	Vegetation	% Cover	Avg. Ht.
Total Conifers/ha: 2120		IWS		5(Sx)	nil		
Cnt. Conifers/ha:							
Total plantable/ha:							
Total preparable/ha:							
Planting difficulty:							
	SPH (p+a)	SPH (p)	S.D.:	S.Error x.	t.90	CI+/- ws/ha	L.C.L.
WS	1160	1160	0.4472	0.2	2.132	85	1075
FG	1040	1040	0.8366	0.3741		160	880
TSS	1200		Preferred Spp.: Sx PI				
MSS	700	600	Accept Spp.: Fd BI				
uncapped WS	1400						

Stratum Description					
Brush (avg.%):	1%	Slope (%):	var	Soil Text.:	Aspect: N/NE
Slash (avg.% cov.):	2	Slope Pos.:	var	C.F. %:	Elev.(m): 775
Rolling terrain, well drained. Herbicide eliminated all deciduous/brush species. Should be noted that riparian system in west arm, ~30m wide by 250m long, (see map) was also sprayed eliminating brush species and releasing no conifer layer. Beyond this area Sx stock is thriving and the dominant feature. Leader weevil is present in the stand but stems generally recover the following year and repeat hits are rare. In the isolated NE patch herbicide was less effective (downhill drift) and the Ep/At layer does impact on potentially FG stems.					

Recommended Treatments	
Primary	
1) 2008 declare FG	
Alternative	
1) 2008 declare FG	
2) follow up with manual BW in the NE patch.	

North Forest Holdings Ltd.

SILVICULTURE SURVEYS

Surveyor: A Ellis #AA9200027 RFT 1008

LICENSEE: BCTS

Opening No.:	93J027-30	Survey Type:	FG	Contract No.:	SU09TGF-003
Cutting Permit No.:	A33761-1	Survey Date:	Sept 6, '08	License No.:	A33761-1
Block/Setting:		Compile Date:	Sept 6, '08	Lat/Longs:	541615/1223816
Location:	Summit Lake	Forest Region:	PG	Forest District:	PG
Access:	2wd if dry to west end of blk, east access road overgrown, by foot only				

Survey Parameters

(Free Growing Guideline Method)

Pref Sp:	Sw
Acc Sp:	PI BI
Stocking Standards:	1200/700/600
MITD:	1.6
Min hts:	PI 2 Sx/BI 1
M value:	6
# of plots:	5 walkthrough determines minimum plot intensity is adequate

Standard Unit 2

Stratum:	B	Site Index:	18	HISTORY:			
Status:	FG	SI spp.:	Sx	M94			
Ecological Assoc.:	SBSmk1 08	SI Method:	SIBEC	CBW06	O	L94	
FG	FG Sx100-11-4.0-18/E-1120(08)			P96			
Inv.:	Sx90Ep10-11/8-4.0/4.0-18/E-35-3080(08)						
Silv Leader	40	Silv Ht.:	4	Inv Leader:	30	Inv Ht.:	3.5
Gross Stratum (ha):		NP(nat.):		NP(unnat.):		Net Area:	9.4 ha
Plot Multiplier:	200	Conifer Brush Ratio %:	150	Max Density:			

Calculations/Stocking Stds.		Forest Health			Competing Vegetation		
Total Trees/ha: 3080		Health Code	% conifers affected	% Host Affected	Vegetation	% Cover	Avg. Ht.
Total Conifers/ha: 2480		IWS		5.0	alder	10	500
Cnt. Conifers/ha:					willow	5	300
Total plantable/ha:							
Total preparable/ha:							
Planting difficulty:							
	SPH (p+a)	SPH (p)	S.D.:	S.Error x.	t.90	CI+/- ws/ha	L.C.L.
WS	1120	1120	0.8944	0.4	2.132	170	950
FG	1120	1120	0.5477	0.2449		104	1016
TSS	1200		Preferred Spp.: Sx				
MSS	700	600	Accept Spp.: BI PI				
uncapped WS 1440							

Stratum Description

Brush (avg.%):	15%	Slope (%):	35	Soil Text.:		Aspect:	N
Slash (avg.% cov.):	5	Slope Pos.:	c/d	C.F. %:		Elev.(m):	775
Slight increase in nutrients with higher brush levels. Herbicide was not 100% effective here, there is some recovery of the Ep and the alder/willow is still thick in the west end and in that strip north of the overgrown inblock road which may have been buffered out as it is quite moist in that area. Downhill drift might account for the recovery in the remainder of the stratum. FG counts decrease in these areas but still exceed minimums and will increase over time. As with SU 1 that portion of SU 2 in the isolated NE patch also has an overall increase in deciduous/brush with less FG stems and a manual brushing would result in a substantial increase in FG crop stems.							

Recommended Treatments

Primary
1) declare FG '08
Alternative
1) declare FG '08
2) manual brush the NE patch.

North Forest Holdings Ltd.

SILVICULTURE SURVEYS

Surveyor: A Ellis #AA9200027 RFT 1008

LICENSEE: BCTS

Opening No.:	93J027-30	Survey Type:	FG	Contract No.:	SU09TGF-003
Cutting Permit No.:	A33761-1	Survey Date:	Sept 6, '08	License No.:	A33761-1
Block/Setting:		Compile Date:	Sept 6, '08	Lat/Longs:	541615/1223816
Location:	Summit Lake	Forest Region:	PG	Forest District:	PG
Access:	2wd if dry to west end of blk, east access road overgrown, by foot only				

Survey Parameters

(Free Growing Guideline Method)

Pref Sp:	Sw
Acc Sp:	PI BI
Stocking Standards:	1000/500/400
MITD:	1
Min hts:	PI 2 Fd 1.4 Sx/BI 1
M value:	5
# of plots:	5 walkthrough determines minimum plot intensity is adequate

Standard Unit 3					
Stratum:	C	Site Index:	18	HISTORY:	
Status:	FG	SI spp.:	Sx	M94	
Ecological Assoc.:	SBSmk1 08/09a	SI Method:	SIBEC	CBW06	O L94
FG	FG Sx100-11-2.80-18/E-680(08)			P96	
Inv.:	Sx100-5-1.00-18/E-25-1960(08)				
Silv Leader	30	Silv Ht.:	280	Inv Leader:	12
Gross Stratum (ha):		NP(nat.):		Inv Ht.:	100
Plot Multiplier:	200	NP(unnat.):		Net Area:	2.1 ha
		Conifer Brush Ratio %:	150	Max Density:	

Calculations/Stocking Stds.		Forest Health			Competing Vegetation		
Total Trees/ha:	3080	Health Code	% conifers affected	% Host Affected	Vegetation	% Cover	Avg. Ht.
Total Conifers/ha:	2480	IWS		5.0	Alsi	50	400
Cnt. Conifers/ha:		NY		3.0			
Total plantable/ha:							
Total preparable/ha:							
Planting difficulty:							
	SPH (p+a)	SPH (p)	S.D.:	S.Error x.	t.90	CI+/- ws/ha	L.C.L.
WS	920	920	0.8944	0.4	2.132	170	750
FG	680	680	1.3416	0.6		255	424
TSS	1000		Preferred Spp.: Sx				
MSS	500	400	Accept Spp.: BI PI				
uncapped WS		1000					

Stratum Description			
Brush (avg.%):	50%	Slope (%):	2
Slash (avg.% cov.):	1	Slope Pos.:	g
		Soil Text.:	
		C.F. %:	
Depression feature, poorly drained through the NCD and NP area to the north. Alder patches are common with essentially void stocking underneath. Between the patches stocking is adequate and carries FG/SR status. The shrub complex (twinberry/red osier) was eliminated by the herbicide but the alder for the most part was either untreated or the dosage inadequate to kill it. The alder has a negligible impact on the stocking. Stock vigor is quite variable from robust planted stems over 4m to suppressed frost victims and natural clumps. FG count will increase over time towards the uncapped WS count.			

Recommended Treatments	
Primary	
1) declare FG '08	
Alternative	

SILVICULTURE SURVEY PLOT

Sept. 6 '08 AE

PAGE OF
C.P. BLOCK

REPORT NO. 935027-30 1	POINT OF COMMENCEMENT East L ₂ L ₅	LICENCE NO.	C.P. BLOCK
SURVEY TYPE OPENING NO. STRATUM			
BEARING & DISTANCE	PLOT NO. LAYER	TOTAL TOTAL COUNT. COUNT. TREES CONIFERS CONIFERS HEIGHT	WELL-SPACED FREE-GROWING PREFERRED AND ACCEPTABLE SPECIES
			TOTAL TOTAL HEIGHT AGE (year)
			W FG (cm)
			PLANTABLE NUMBER "N" PREPARABLE MODAL DIAM.
			COMPETING VEGETATION SPECIES % HEIGHT COVER (cm)
			FOREST HEALTH AFFECTED PEST CODE LIVE TREES DEAD TREES
	1	10 10	SX P1 B1 6 5 5 4 11
	2	20 15	8 7 5 4 11
	3	7 5	7 6 11 11
	4	21 18	9 4 11 11
	5	7 5	5 5 5 4 11
	TT	2600	
	TC	2120	
	uncapped WS	1400	
COMMENTS: (prescriptions, snags, watercourses, wildlife, stand damage, etc.) Area was brushed (Le. wide). V effective. 05 (isolated) L ₂ L ₅ for effective - consider manual brushing			

FS 658 HSP 98/9
OPC 7530881008
(100 PAX)

DATA ON THE TOTAL HEIGHT AND AGE OF WELL-SPACED TREES, MAIN COMPETING VEGETATION AND INVENTORY COMPONENT SHOULD BE RECORDED ON THE FIRST PLOT ESTABLISHED IN THE STRATUM, AND EVERY FOURTH PLOT THEREAFTER. PUT INVENTORY COMPONENT ON LINES BETWEEN PLOTS.

SILVICULTURE SURVEY PLOT

Sept. 6 AE

PAGE OF
C.P. BLOCK

REPORT NO. 935027-30 2	POINT OF COMMENCEMENT ELEV 750-800	LICENCE NO.	C.P. BLOCK
SURVEY TYPE OPENING NO. STRATUM			
BEARING & DISTANCE	PLOT NO. LAYER	TOTAL TOTAL COUNT. COUNT. TREES CONIFERS CONIFERS HEIGHT	WELL-SPACED FREE-GROWING PREFERRED AND ACCEPTABLE SPECIES
			TOTAL TOTAL HEIGHT AGE (year)
			W FG (cm)
			PLANTABLE NUMBER "N" PREPARABLE MODAL DIAM.
			COMPETING VEGETATION SPECIES % HEIGHT COVER (cm)
			FOREST HEALTH AFFECTED PEST CODE LIVE TREES DEAD TREES
	6	14 9	SX P1 B1 7 5 3.5 11
	7	12 11	8 6 3.5 11
	8	10 7	4 6
	9	17 17	8 6 3.5 11
	10	24 18	9 5 3.5 11
	TT	3080	
	TC	2480	
	uncapped WS	1440	
COMMENTS: (prescriptions, snags, watercourses, wildlife, stand damage, etc.) inc in Buchenaburary (DM) (Most Dieing) hill side Drift			

FS 658 HSP 98/9
OPC 7530881008
(100 PAX)

DATA ON THE TOTAL HEIGHT AND AGE OF WELL-SPACED TREES, MAIN COMPETING VEGETATION AND INVENTORY COMPONENT SHOULD BE RECORDED ON THE FIRST PLOT ESTABLISHED IN THE STRATUM, AND EVERY FOURTH PLOT THEREAFTER. PUT INVENTORY COMPONENT ON LINES BETWEEN PLOTS.



2995015-11/11-3.4/5.6

SILVICULTURE SURVEY PLOT

1906500/400
Sept. 6 / 1966

34' 16' 16.3" Ht. 3
122' 38' 32.5" W. 1

REPORT NO. 935027-30

SURVEY TYPE OPENING NO. 3 STRATUM

POINT OF COMMENCEMENT

LICENCE NO. C.P. BLOCK

PAGE OF

BEARING & PLOT DISTANCE NO.	PLOT LAYER	TOTAL TREES	TOTAL COUNT	COUNT CONIFERS	COUNT HEIGHT	WELL-SPACED		FREE-GROWING		COMPETING VEGETATION		FOREST HEALTH			
						PREFERRED AND ACCEPTABLE SPECIES	TOTAL HEIGHT	TOTAL W	TOTAL FG	AGE (year)	PLANTABLE NUMBER "IN"	PREPARABLE MODAL DIAM.	SPECIES	% COVER	HEIGHT (cm)
11	4	4				SX 11 B1	2250	3	2	11			1WS	1	
54' 16'	12.7	122° 38'	33.4		2/3										
12	11	11			2/5			5	2	3m	11				
54' 16'	13.1	122° 38'	30.6		SX 100-11-25								1WS	1	
13	9	9			3/4	1/1		5	4						
54' 16'	11.1	122° 38'	29.5		SX 95-11-3 (BLS-11-35)										
14	9	9			4/6			6	4						
54' 16'	15.3	122° 38'	30.2		5/6			6	5						
15	15	15													
54' 16'	18.5	122° 38'	32.2												
TT=1960					X _{FG} 680 sd 1.3416 0.6:se										
TC=1920					FC SX 100-11-2.80-										
uncapped w/s 1000					1W SX 100-5-1.00-										

COMMENTS:
(prescriptions, snags, watercourses, wildlife, stand damage, etc.)

Receiving! Concave Profile! Hebride v effective

FS 668 HSP 98/9
OPC 7530831008
(100 yars)

DATA ON THE TOTAL HEIGHT AND AGE OF WELL-SPACED TREES, MAIN COMPETING VEGETATION AND INVENTORY COMPONENT SHOULD BE RECORDED ON THE FIRST PLOT ESTABLISHED IN THE STRATUM, AND EVERY FOURTH PLOT THEREAFTER, PUT INVENTORY COMPONENT ON LINES BETWEEN PLOTS.

Submitted by
Name: SOM PUN

Phone Number: (250) 614-7400 email: som.pun@gov.bc.ca

B. TENURE		OBLIGATION		LICENCE NO.		CUTTING PERMIT		CUTBLOCK		LICENSEE	
OPENING		TIMBER MARK		BLOCK							
93J027-30		33761		1		A33761		APR-33761		TSM Prince George	
STAND TYPE		TIMBER TYPE		PREVIOUS		SITE		GROSS AREA (ha)		MAX ALLOWABLE PERMANENT ACCESS %	
1 SPECIES		2 SPECIES		CLASSES		INDEX		SRC CODE		SITE PLAN EXEMPT (Y / N)	
MAT		Sx		B1		8 5 1		18		E	
								28.8		17	
										N	

3. Silviculture Activity

C. SILVICULTURE		Opening No.		Obligation		Licence No.		Cutting Permit		CutBlock		Activity		Objectives		FundingSource		Date Indicator		Completion Date		Net Area	
93J027-30		33761		1		A33761		APR-33761		SU		FG		PLOT		1		2		3		BCI	
Seedlot		Species		Number Planted		Seedlot		Species		Number Planted		Seedlot		Species		Number Planted		Seedlot		Species		Number Planted	

4. Forest Cover Polygon

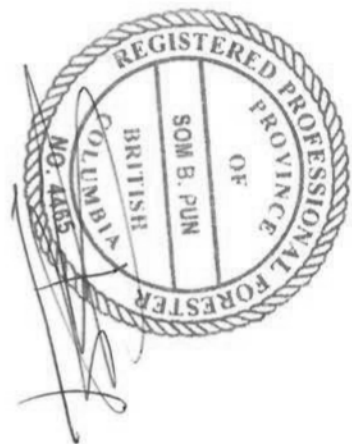
C. FOREST COVER		AREA (ha)		REF Reserve		SITE		Tree		Re-		STOCKING		L		SPECIES COMPOSITION		CC		Density		Total		Well-		Free-		BASAL		DAMAGE AGENT							
SU		R		T		O		INDEX		Cover		Status		Type		Species		Age		HT		Species		Age		HT		Species		%							
A		14.9		08		18		E		IMMART		Sx		90.0		11		4. Ep		10.0		11		6.		30		2600		1160		1040		IWS			
1		A		14.9		08		18		E		IMMART		Sx		100.0		11		4.																	
2		B		9.4		08		18		E		IMMART		Sx		90.0		11		4. Ep		10.0		8		4.		35		3080		1440		1120		IWS	
2		B		9.4		08		18		E		IMMART		Sx		100.0		11		4.																	
3		C		2.1		08		18		E		IMMART		Sx		100.0		5		1.																	
3		C		2.1		08		18		E		IMMART		Sx		100.0		11		2.8																	
NPN		.9																																			
Z		1.5																																			

5. Milestone Declaration

D. MILESTONE DECLARATION				DECLARATION OF OBLIGATION MET				COMMENTS			
SU		POST HARVEST		REGENERATION		FREE-GROWING					
		YYYY-MM-DD		YYYY-MM-DD		YYYY-MM-DD					
1						2009 02 18					
2						2009 02 18					
3						2009 02 18					

Submitted by
Name: SOM PUN

Phone Number: (250) 614-7400 email: som.pun@gov.bc.ca



Feb. 27/2009

Pun, Som B FOR:EX

From: FORHISP.APPHELP@gov.bc.ca
Sent: Friday, February 27, 2009 3:32 PM
To: Pun, Som B FOR:EX
Subject: ESF Status Update for Opening Submission Submission ID#555127

This is a status update of your Opening Submission Submission ID#555127:

SUBMISSION DETAILS

Submission ID: 555127
Submission Type: Opening Submission
Submission Timestamp: 2009-02-27 12:00:00
File Name: 93J027-30.xml
User Reference:
Status: Submitted
Submitter: IDIR\SBPUN

STATUS MESSAGES

2009-02-27 03:32:03: Outcome of submission: 555127:

Opening ID: 166 / OPN #: / Lic: A33761 CP: Blk: 1 / TM: Blk:
has been received by MOF.

More information can be found at:

<http://apps.for.gov.bc.ca:80/esf/submissionSearch.do?action=detail&submissionId=555127>

This is an automated message from the Electronic Submission Framework.

Opening Tenure Search

Activity Search

RESULTS615 - Event Tracking Details

Standards Unit Search

Opening ID: 166

CP:

Timber Mark: 33761

Cut Block: 1

Licence No: A33761

Code Table Search

Client Number: 17

Locn: 00

Name: WEST HILL LUMBER (1988) LTD.

Links

Event Date: 2009-02-27 10:34AM

Event: Approved

Amendment: 2

[Back](#)

Table	Column	Identifier	Old	New	Date/Tim
OPENING	Opening Status	Opening Id: 166	SUB	APP	2009-02-27 10:34AM

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Ministry of Forests & Range

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Org Unit: DPG - Prince George Forest District
 Client Number: S.17 Locn: 00 Name: WEST HILL LUMBER (1988) LTD.
 Opening 93J 027 0.0 30 Opening ID: 166 Licensee Opening ID:

1 of 3

SU: 1 Net Area To Be Reforested (ha): 14.9 Expiry Date:
 Max Soil Disturbance: 7% Comment: Y
 BGC Zone/Sub/Var/Phase: SBS mk 1 Site Series/Site Phase/Seral: 07
 Standards ID: Standards Name: Amended: Y
 Objective: Geographic:

	Regen	Early	Late
Regen Obligations: ☒	4	9	15
No Regen Obligations: ☐			
Additional Standards:			

☐ Single ☐ Layer 4 - Regen ☐ Layer 3 - Sapling ☐ Layer 2 - Pole ☐ Layer 1 - Mature

	Well Spaced Trees / ha	Residual Basal Area (m2/ha)	Post Spacing Density (st/ha)
Target:	1200		
Min Horiz (m):	1.6		
Min Pref:	700		
Min:	700		
Max:			
Max Coniferous (st/ha):	0		
Height Relative to Comp(cm/%):	150 %		

Preferred Species	Min Height
SW - WHITE SPRUCE	1
PLI - LODGEPOLE PINE	2

Acceptable Species	Min Height
FDI - INTERIOR DOUGLAS-FIR	1.4
BL - SUBALPINE FIR	1

Amendment Rationale:

This amendment is prepared to reflect stocking standards as per the free growing guide book including addition of minimum free growing heights. The NAR is changed from 15.8 to 14.9 based on spatial data from Genus.

In addition, RESULTS does not accommodate vegetation complex labels for site series. A portion of the site series label (01) was dropped to satisfy RESULTS. The site series is not amended and remains as 07 and 01 as in the previous prescription.

Som B. Pun, RPF #4465. February 18, 2009.



Feb. 18/2009

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Org Unit: DPG - Prince George Forest District
 Client Number: 17 Locn: 00 Name: WEST HILL LUMBER (1988) LTD.
 Opening 93J 027 0.0 30 Opening ID: 166 Licensee Opening ID:

2 of 3

SU: 2 Net Area To Be Reforested (ha): 9.4 Expiry Date:
 Max Soil Disturbance: 7% Comment: N
 BGC Zone/Sub/Var/Phase: SBS mk 1 Site Series/Site Phase/Seral: 08
 Standards ID: Standards Name: Amended: Y
 Objective: Geographic:

	Regen	Early	Late
Regen Obligations:	4	9	15
No Regen Obligations:			
Additional Standards:			

[Single] [Layer 4 - Regen] [Layer 3 - Sapling] [Layer 2 - Pole] [Layer 1 - Mature]

	Well Spaced Trees / ha	Residual Basal Area (m2/ha)	Post Spacing Density (st/ha)
Target:	1200		
Min Horiz (m):	1.6		
Min Pref:	700		
Min:	700		
Max:			
Max Coniferous (st/ha):	0		
Height Relative to Comp(cm/%):	150 %		

Preferred Species	Min Height
SW - WHITE SPRUCE	1

Acceptable Species	Min Height
PLI - LODGEPOLE PINE	2
BL - SUBALPINE FIR	1

Amendment Rationale:

This amendment is prepared to reflect stocking standards as per the free growing guide book including addition of minimum free growing heights. The new NAR is 9.4 based on spatial data from Genus.

Som B. Pun, RPF #4465. February 18, 2009.

Submitted By:

Submitted Date:



Feb. 18/2009

[Click to Print This Page](#)

Org Unit: DPG - Prince George Forest District
Client Number: 17 Locn: 00 Name: WEST HILL LUMBER (1988) LTD.
Opening 93J 027 0.0 30 Opening ID: 166 Licensee Opening ID:

3 of 3

SU: 3 Net Area To Be Reforested (ha): 2.1 Expiry Date:
Max Soil Disturbance: 7% Comment: Y
BGC Zone/Sub/Var/Phase: SBS mk 1 Site Series/Site Phase/Seral: 09
Standards ID: Standards Name: Amended: Y
Objective: Geographic:

	Regen	Early	Late
Regen Obligations: ☒	4	9	15
No Regen Obligations: ☐			
Additional Standards:			

☐ Single ☐ Layer 4 - Regen ☐ Layer 3 - Sapling ☐ Layer 2 - Pole ☐ Layer 1 - Mature

	Well Spaced Trees / ha	Residual Basal Area (m2/ha)	Post Spacing Density (st/ha)
Target:	1200		
Min Horiz (m):	1.6		
Min Pref:	500		
Min:	500		
Max:			
Max Coniferous (st/ha):	0		
Height Relative to Comp(cm/%):	150 %		

Preferred Species	Min Height
SW - WHITE SPRUCE	1

Acceptable Species	Min Height
PLI - LODGEPOLE PINE	2
BL - SUBALPINE FIR	1

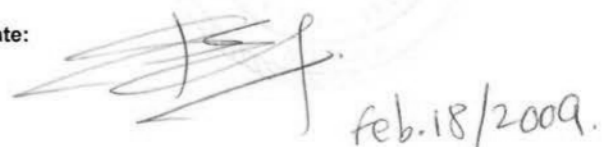
Amendment Rationale:

This amendment is prepared to reflect stocking standards as per the free growing guide book including addition of minimum free growing heights. The NAR is changed from 2.3 to 2.1 based on spatial data from Genus.

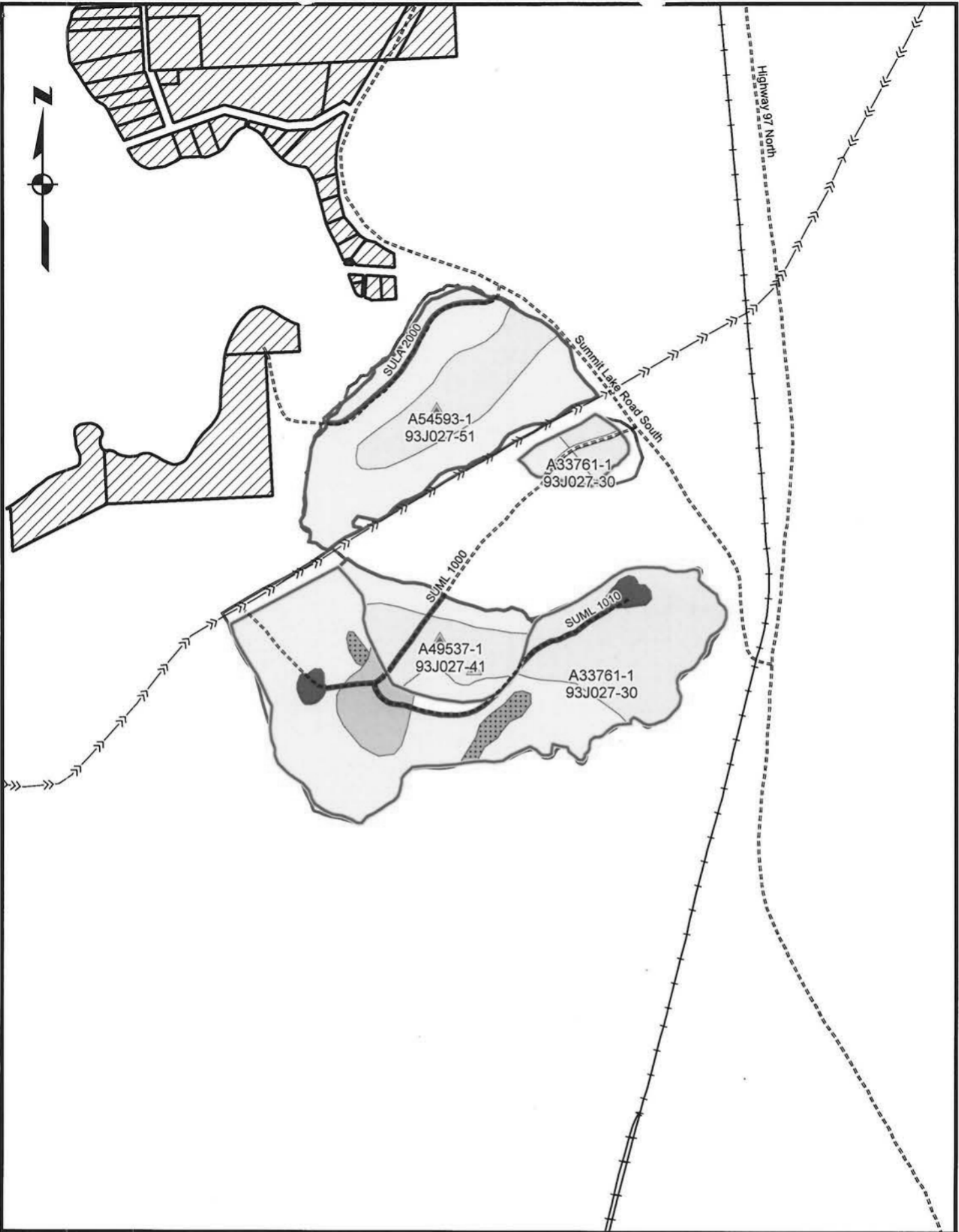
Som B. Pun, RPF #4465. February 18, 2009.

Submitted By:

Submitted Date:



feb. 18 / 2009.



Site Plan Map



BCTS
BC Timber Sales
Prince George Business Area

Timber Sale Licence: A33761
Cutting Permit:
Block: 1
Opening #: 93J027-30

Gross Block Area: 28.8
Net Area to Reforest: 26.431
Latitude: 541615
Longitude: 1223816

Location: SUMMIT LAKE
Map Run Date: 18/02/2009
Map Run By: PUN, SOM
Scale: 1:10,000

Standard Units	Gross Area	Net Area	Milestone Dates		
			Regen Delay	Early FTG	Late FTG
1	14.9	14.9	18/01/1998	18/01/2003	18/01/2009
2	9.4	9.4	18/01/1998	18/01/2003	18/01/2009
3	2.1	2.1	18/01/1998	18/01/2003	18/01/2009
NPh	0.9	0			
Z	1.5	0			
	28.8	26.4			

	BCTS Subject Block		Forest Service Road
	BCTS Block		Proposed Road
	Major Licensee Block		Temporary Road
	Woodlots		Forest Road
	Private Land		Active Bridge
	Lakes / Rivers (classified)		Proposed Bridge
	Wetlands (classified)		Culvert
	Stream Reach (Classified)		Landings (Conv./Cable)
	Stream Indefinite/NCD		Block Center
	Contour (index interval 100m)		Ecology Plot
	Contour (interval 20m)		Rail Line
	Pipeline		Transmission Line

Comments (from Genus block details tab):
Travel on the Hwy 97 to Summit Lake Road for approximately 35.0 km. Turn left and travel for about 600 m to access block opening.

Regeneration and Free Growing Milestone Checklist

Opening Number: 93J027-51

Submission Date: 2011-01-12

Tenure (Lic./CP/Blk/SU): A54593/Blk 1/Su's 1-2 NAR (ha): 16.3

Completed by: L. Fielding

Type of Milestone	Requirements Achieved			Comments
	Yes	No	N/A	
FW				
SP Amendment				
Is an SP amendment planned in Genus (check SP "admin" tab)?	✓			
Is an SP Amendment required (eg. EFG/LFG date)? If so, "plan" or "complete" amendment in Genus (use Genus SP "admin" tab)	✓			
Do Genus standards and SU delineation (incl SU areas) match Results and hard copy SP (within area tolerances)?	✓			
Amendment approved? (Minor/Major/Approved Variation/Site Plan Amendment)	✓			
Milestone Requirements				
If declaring FG, is survey date within FG "window"? If not, record in non-compliance tracking ledger.	✓			
Acceptable seedlot(s) used? Record seedlot(s) #.	✓			29104 ; 60296 ; 60118
Are survey stocking standards as per SP and RESULTS?	✓			Amendment completed to ensure consistency.
Were SP stocking standards (MSS-P, P & A; < Max. Density) achieved and stats met?	✓			
Survey stratification acceptable (aligns with SU boundaries)?	✓			
Is SU-FG-WALK req'd to verify or update survey information? (If so, schedule in Genus and amend LFG if necessary).	✓	sp		Completed in 2008 + conducted multi-layer training on this block in 2010.
Are declaration "comments" required in RESULTS regarding:				
a) Time since last brushing treatment (manual vs chemical)	No			
b) Competing vegetation/brush hazard,	No			
c) Age of survey information (if more than one growing season has passed since survey date)	No			→ Field checked.
d) Seedlot(s)	No			
e) Forest health (eg rust risk, or MPB attack in Pls leading stands)?	No			
f) Potential non-compliance with RG or FG milestones	No			
g) Outstanding SP				

Regeneration and Free Growing Milestone Checklist

obligations (eg road rehabilitation, deactivation, commitments regarding root rot or mistletoe eradication, retention of small mammal habitat piles, max stand density exceeded, etc)?	No			
Once all SU's declared, Genus block state updated to RG/FG? Free Growing Activity set to DONE in the Genus Block Window? Licence state updated?	✓			
Confirm or document RESULTS updated through Genus Exchange. Forest Cover, Activities, Milestone, Spatial verified in RESULTS?	✓			
Incomplete fields cleaned up in RESULTS- Previous Stand label and Opening Gross Area?	✓			
Forms to be put on Opening File				
SP amendment?	✓			
SP map (only for SP amendment)?			✓	
Survey Report and Survey Map?	✓			
Additional Comments/Issues/Outstanding Work:				



Block ID FG-M-A54593-APR-54593-1 Stratum A TU/SU 1 NAR 11.4

Administration:

Licence A54593 Permit PR-5459 Block 1 Licencee BCTS
 Division 10 Opening Number 93J027-051 Photo N/A Timber Mark N/A
 Funding Source BCT Responsibility L Gross Area 16.8
 Longitude Latitude Location Summit Lake
 Standards Used Silviculture Prescription Standards Activity SU - FG - Multi
 Survey Dates Start Date 10/11/2007 Finish Date 10/11/2007
 Surveyor Name Paul Mantler Registration Number N AA2005004

Stratum Description:

Stratum A TU/SU 1 NAR 11.40 Elevation 700m
 BCG Zone SBSmk1 Site Series 04 Site Class M
 Plot Multiplier 200 Site Index 18 Method E Status IMM

Labels:

- 1 (I) FG BI87 Fdi13-108/115-30.3/32.0-15-60-364/0(07)(71)
(S) FG BI84 Sx16-112-31.7-15-309(07)(71)
- 2 (I) FG BI90 Fdi10-43/51-17.0/14.7-15-0-145/0(07)(71)
(S) FG BI60 Sx20 Fdi20-38-14.5-15-73(07)(71)
- 3 (I) FG BI47 Fdi40 Sx10 Pli3-20/18-3.4/2.6-15-30-1,836/0(07)(71)
(S) FG Fdi43 Sx32 BI25-14-3.5-18-455(07)(71)
- 4 (I) FG Fdi33 BI33 Sx17 Pli17-7/8-1.0/0.7-18-6-745/0(07)(71)
(S) FG Fdi50 Sx50-4-0.6-18-36(07)(71)

Stratum Comments:

Block Description

Logged 98 Planted 99. Take Hwy 97 North for approximately 50 km and turn left onto the Summit Lake road. Go 800m and block is on left side of road.

Stratum Description

This stratum has been stratified to represent SU 1.

Plantation Performance

-Within this SU these trees have emerged through the brush and have achieved good growth throughout. All layers here have FG status except for Layer 2, which also has a nice species composition. No further obligations are needed for this SU and a Declaration should be processed.

Riparian Concerns

No riparian concerns within this SU.



Block ID FG-M-A54593-APR-54593-1 Stratum A TU/SU 1 NAR 11.4

Recommendations:

P/A	Activity	Year	Comment
P	Amend Prescription	2007	This amendment is required to move Bl and Sx into the Preferred category, due to these species occupying a large portion of layers 1 and 2 and are natural species for this stand.
P	Declare Free-Growing	2007	





Block ID FG-M-A54593-APR-54593-1 Stratum B TU/SU 2 NAR 4.9

Administration:

Licence A54593 Permit PR-5459 Block 1 Licencee BCTS
 Division 10 Opening Number 93J027-051 Photo N/A Timber Mark N/A
 Funding Source BCT Responsibility L Gross Area 16.8
 Longitude Latitude Location Summit Lake
 Standards Used Silviculture Prescription Standards Activity SU - FG - Multi
 Survey Dates Start Date 10/11/2007 Finish Date 10/11/2007
 Surveyor Name Paul Mantler Registration Number N AA2005004

Stratum Description:

Stratum B TU/SU 2 NAR 4.90 Elevation 700m
 BCG Zone SBSmk1 Site Series 08 Site Class M
 Plot Multiplier 200 Site Index 18 Method E Status IMM

Labels:

- 1 (I) FG BI87 Fdi7 Sx3 Ep3-110/115-30.3/30.5-18-60-280/0(07)(71)
(S) FG BI100-98-31.0-18-240(07)(71)
- 2 (I) FG BI90 Fdi7 Ep3-43/49-16.7/14.0-18-0-120/0(07)(71)
(S) FG BI100-39-11.0-18-80(07)(71)
- 3 (I) FG BI47 Fdi40 Pli13-23/14-6.0/2.4-18-40-1,200/0(07)(71)
(S) FG Pli50 Sx30 BI20-11-2.4-21-320(07)(71)
- 4 (I) FG Fdi50 BI30 Pli13 Sx7-7/8-0.9/0.9-18-2-400/0(07)(71)
(S) FG Sx100-8-1.1-18-40(07)(71)



Block ID FG-M-A54593-APR-54593-1 Stratum B TU/SU 2 NAR 4.9

Stratum Comments:

Block Description

Logged 98 Planted 99. Take Hwy 97 North for approximately 50 km and turn left onto the Summit Lake road. Go 800m and block is on left side of road.

Stratum Description

This stratum has been stratified to represent SU 2.

Plantation Performance

-Crop tree performance here has done quite well and will continue to do so in the future. At this early stage of Free Growing, there will be more layer 4's turning into Layer 3's in time. Currently Layer 3 is the only layer that is FG at this time, which still does meet the FG criteria of having a FG Multi-layered SU. No further obligations are needed for this SU and a Declaration should be processed along with SU 1.

Riparian Concerns

No riparian concerns within this SU.

Recommendations:

P/A	Activity	Year	Comment
P	Amend Prescription	2007	This amendment is required to move BI into the Preferred category, due to this species occupying a large portion of layers 1 and 2 and are natural species for this stand.
P	Declare Free-Growing	2007	





Plot 35 Overview



Plot 39

UTM Zone	East	North	Mag	Comp	L
10	5	2	3	5	2
8	6	0	1	4	2
7	0				

SCALE: 1: 10,000

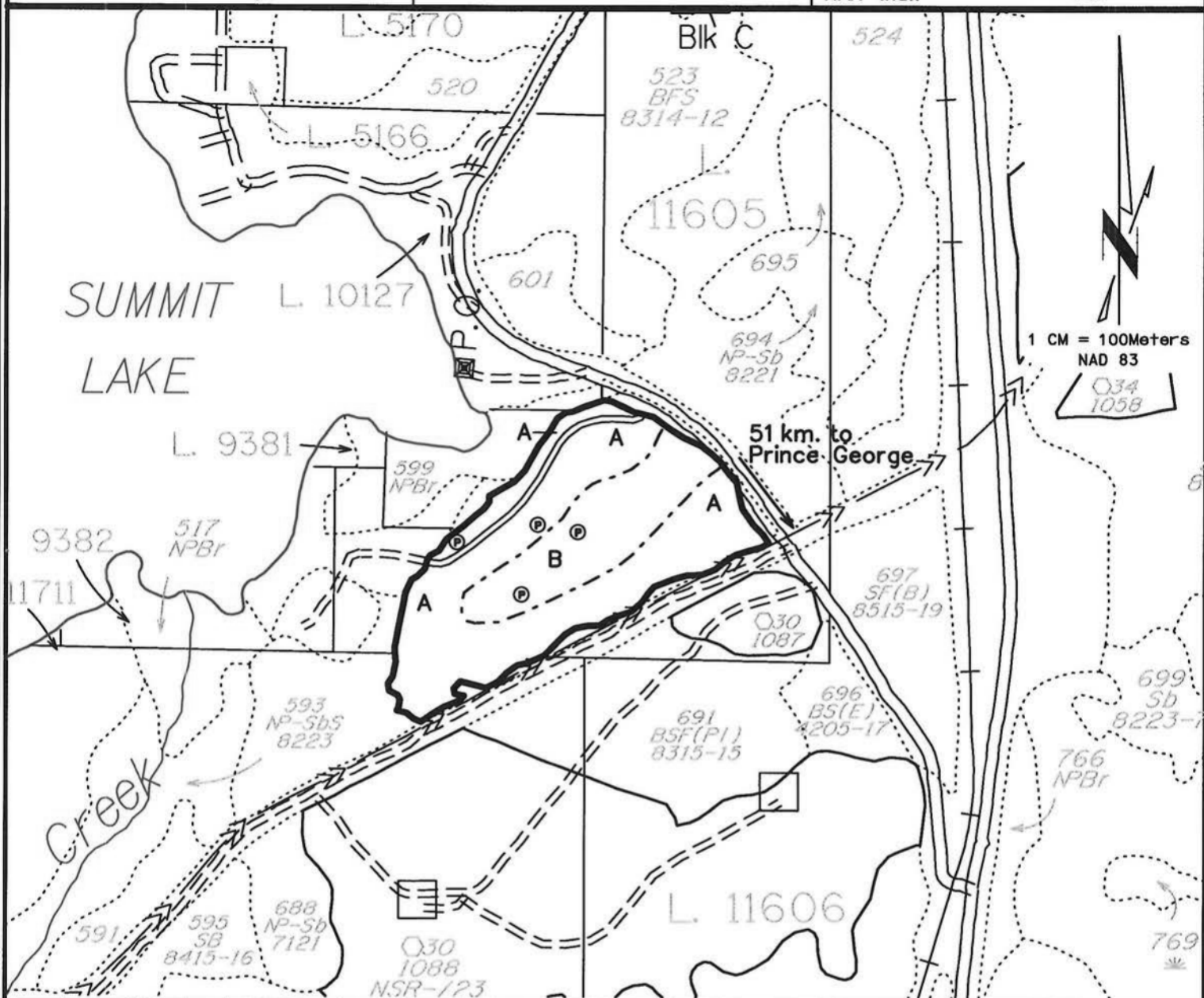
CONTRACT #: SU2006TPGPG-055

OPENING: 93J027-051

Date Drawn: 01/08/07

TOTAL AREA (ha.): 16.8

NAR (ha.): 16.3



S.U.	STRATUM	BEC	HISTORY	STATUS	LAYER	LABEL	RECOMMENDATIONS	AREA(HA)
1	A	SBSmk1 04	GL98 P99	FG	1	I BI87 Fdi13-108/115-30.3/32-15-60-364/0(07)(71) S BI84 Sx16-112-31.7-15-309(07)(71)	AMEND PRESCRIPTION 2007 DECLARE FREE GROWING 2007	11.4
					2	I BI90 Fdi10-43/51-17/14.7-15-0-145/0(07)(71) S BI60 Sx20 Fdi20-38-14.5-15-73(07)(71)		
					3	I BI47 Fdi40 Sx10 Pli3-20/18-3.4/2.6-15-30-1836/0(07)(71) S Fdi43 Sx32 BI25 Pli-14-3.4-18-455(07)(71)		
					4	I Fdi33 BI33 Sx17 Pli17-7/8-1/0.7-18-6-745/0(07)(71) S Fdi50 Sx50-4-0.6-18-36(07)(71)		
2	B	SBSmk1 04	GL98 P99	FG	1	I BI87 Fdi7 Sx3 Ep3-110/115-30.3/30.4-18-60-280/0(07)(71) S BI100-98-31-18-240(07)(71)	AMEND PRESCRIPTION 2007 DECLARE FREE GROWING 2007	4.9
					2	I BI90 Fdi7 Ep3-43/49-16.7/14-18-0-120/0(07)(71) S BI100-39-11-18-80(07)(71)		
					3	I BI47 Fdi40 Pli13-23/14-6/2.4-18-40-1200/0(07)(71) S Pli50 Sx30 BI20-11-2.4-21-320(07)(71)		
					4	I Fdi50 BI30 Pli13 Sx7-7/8-0.9/0.9-18-2-400/0(07)(71) S Sx100-8-1-18-40(07)(71)		

RDS AND LDGS
WTP

0.5



Block ID

FG-M-A54593-APR-54593-1

Plot Number	30	Stratum	A	WP	30	X-Cord	Y-cord
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Plot Details			WS		FG		Ldr	Spots	Misc	CC	Tot	Hgt
Lyr	TT	TC	Age	HGT	Age	HGT						
1	0							Plt	S.I.	Green	CC	
2	0							Brh	Obsts	Hgt	30%	
3	38	38			12	300	27	Prp	B.A.	2	50%	
4	3	3			4	46	13	NP	Misc		80%	

Silviculture	Species	TWS	1	2	3	4	TFG	1	2	3	4
	Sx		0	0	6	0		0	0	6	0

Inventory	Species	% Cover				Age				Height (meters)				Crown Closure			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
	Sx	0	0	3	3			18	6		3.0	0.4		1		1	
	Fdi	2	1	1	1	115	60	22	10	33.0	17.0	2.9	1.0	1	1	25	25
	Bl	8	9	6	6	110	56	17	3	30.0	17.0	3.0	0.4	1	1	3	1

Brush Data	Species	% COVER	HEIGHT (cm)
	loni inv	2	130

Plot Number	33	Stratum	A	WP	33	X-Cord	Y-cord
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Plot Details			WS		FG		Ldr	Spots	Misc	CC	Tot	Hgt
Lyr	TT	TC	Age	HGT	Age	HGT						
1	0							Plt	S.I.	Green	CC	
2	0							Brh	Obsts	Hgt	30%	
3	4	4						Prp	B.A.	4	50%	
4	4	4						NP	Misc		80%	

Silviculture	Species	TWS	1	2	3	4	TFG	1	2	3	4
	Sx		0	0	3	1		0	0	3	1
	Bl		0	0	1	0		0	0	1	0

Plot Number	34	Stratum	A	WP	34	X-Cord	Y-cord
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Plot Details			WS		FG		Ldr	Spots	Misc	CC	Tot	Hgt
Lyr	TT	TC	Age	HGT	Age	HGT						
1	2	2						Plt	S.I.	Green	CC	
2	1	1						Brh	Obsts	Hgt	30%	
3	4	3						Prp	B.A.	11	50%	
4	4	3						NP	Misc		80%	



Block ID

FG-M-A54593-APR-54593-1

Silviculture	Species	TWS	1	2	3	4	TFG	1	2	3	4
	Sx		1	0	0	0		1	0	0	0
	Pli		0	0	3	0		0	0	0	0
	Fdi		0	0	0	1		0	0	0	1
	Bl		1	0	0	0		1	0	0	0

Plot Number	36	Stratum	A	WP	36	X-Cord	Y-cord
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Plot Details			WS		FG								
Lyr	TT	TC	Age	HGT	Age	HGT	Ldr	Spots	Misc		CC	Tot	Hgt
1	1	1			110	3,000		Plt	S.I.	Green	CC		
2	1	1			45	1,800		Brh	Obsts	Hgt	30%		
3	8	8			21	500		Prp	B.A.	5	50%		
4	1	1			4	80		NP	Misc		80%		

Silviculture	Species	TWS	1	2	3	4	TFG	1	2	3	4
	Pli		0	0	0	1		0	0	0	0
	Fdi		0	0	3	0		0	0	3	0
	Bl		1	1	0	0		1	1	0	0

Inventory	Species	% Cover				Age				Height (meters)				Crown Closure			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
	Sx	0	0	0	2				7				0.9				29
	Pli	0	0	0	3				6				1.1				28
	Fdi	1	1	4	3	115	42	22	6	32.0	12.0	3.4	1.0	28	29	29	1
	Bl	9	9	6	2	110	35	18	12	30.0	18.0	5.0	0.9	1	15	25	25

Brush Data	Species	% COVER	HEIGHT (cm)
	corn ser	5	130

Plot Number	37	Stratum	A	WP	37	X-Cord	Y-cord
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Plot Details			WS		FG								
Lyr	TT	TC	Age	HGT	Age	HGT	Ldr	Spots	Misc		CC	Tot	Hgt
1	2	2						Plt	S.I.	Green	CC		
2	5	5						Brh	Obsts	Hgt	30%		
3	4	4						Prp	B.A.	4	50%		
4	6	6						NP	Misc		80%		

Silviculture	Species	TWS	1	2	3	4	TFG	1	2	3	4
	Sx		0	1	0	0		0	1	0	0
	Fdi		0	1	0	0		0	1	0	0
	Bl		2	1	0	0		2	1	0	0

Plot Number	38	Stratum	A	WP	38	X-Cord	Y-cord
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Block ID

FG-M-A54593-APR-54593-1

Plot Details			WS		FG		Ldr	Spots	Misc	CC	Tot	Hgt
Lyr	TT	TC	Age	HGT	Age	HGT						
1	3	3						Plt	S.I.	Green		
2	0							Brh	Obsts	Hgt	30%	
3	7	4						Prp	B.A.	4	50%	
4	12	12						NP	Misc		80%	

Silviculture	Species	TWS	1	2	3	4	TFG	1	2	3	4
	Sx		1	0	0	0		1	0	0	0
	Fdi		0	0	3	2		0	0	2	0
	Bl		2	0	0	0		2	0	0	0

Plot Number	40	Stratum	A	WP	40	X-Cord	Y-cord
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Plot Details			WS		FG		Ldr	Spots	Misc	CC	Tot	Hgt
Lyr	TT	TC	Age	HGT	Age	HGT						
1	6	5						Plt	S.I.	Green	CC	
2	0							Brh	Obsts	Hgt	30%	
3	12	3						Prp	B.A.		50%	
4	2	2						NP	Misc		80%	

Silviculture	Species	TWS	1	2	3	4	TFG	1	2	3	4
	Bl		5	0	1	1		5	0	1	0

Plot Number	41	Stratum	A	WP	41	X-Cord	Y-cord
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Plot Details			WS		FG		Ldr	Spots	Misc	CC	Tot	Hgt
Lyr	TT	TC	Age	HGT	Age	HGT						
1	1	1						Plt	S.I.	Green	CC	
2	0							Brh	Obsts	Hgt	30%	
3	14	14						Prp	B.A.	4	50%	
4	3	3						NP	Misc		80%	

Silviculture	Species	TWS	1	2	3	4	TFG	1	2	3	4
	Fdi		0	0	5	0		0	0	5	0
	Bl		1	0	0	0		1	0	0	0

Plot Number	42	Stratum	A	WP	42	X-Cord	Y-cord
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Plot Details			WS		FG		Ldr	Spots	Misc	CC	Tot	Hgt
Lyr	TT	TC	Age	HGT	Age	HGT						
1	3	3			110	3,200		Plt	S.I.	Green	CC	
2	0							Brh	Obsts	Hgt	30%	
3	1	1			16	450		Prp	B.A.	5	50%	
4	0							NP	Misc		80%	



Block ID

FG-M-A54593-APR-54593-1

Silviculture	Species	TWS	1	2	3	4	TFG	1	2	3	4
	Bl		3	0	1	0		3	0	1	0

Inventory	Species	% Cover				Age				Height (meters)				Crown Closure			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
	Pli	0	0	1	2			10	6			2.4	1.1			21	24
	Fdi	1	1	7	6	115	50	10	6	31.0	15.0	1.6	1.0	1	10	1	1
	Bl	9	9	2	2	105	37	25	9	31.0	16.0	2.1	0.9	1	15	24	26

Brush Data	Species	% COVER	HEIGHT (cm)
	rubu par	20	110
	oplo hor	5	130
	corn ser	10	130

Plot Number	43	Stratum	A	wp	43	X-Cord		Y-cord	
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Plot Details			WS		FG		Ldr	Spots	Misc	CC	Tot	Hgt
Lyr	TT	TC	Age	HGT	Age	HGT						
1	2	2			115	3,300		Plt	S.I.	Green		
2	1	1			31	1,100		Brh	Obsts	Hgt	30%	
3	5	5			9	130		Prp	B.A.	6	50%	
4	0							NP	Misc		80%	

Silviculture	Species	TWS	1	2	3	4	TFG	1	2	3	4
	Sx		1	0	0	0		1	0	0	0
	Fdi		0	0	1	0		0	0	1	0
	Bl		1	1	2	0		1	1	2	0

Plot Number	45	Stratum	A	wp	45	X-Cord		Y-cord	
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Plot Details			WS		FG		Ldr	Spots	Misc	CC	Tot	Hgt
Lyr	TT	TC	Age	HGT	Age	HGT						
1	0							Plt	S.I.	Green		
2	0							Brh	Obsts	Hgt	30%	
3	4	4						Prp	B.A.	1	50%	
4	6	6						NP	Misc		80%	

Silviculture	Species	TWS	1	2	3	4	TFG	1	2	3	4
	Fdi		0	0	1	2		0	0	1	0
	Bl		0	0	2	1		0	0	2	0

Plot Number	31	Stratum	B	wp	31	X-Cord		Y-cord	
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Block ID

FG-M-A54593-APR-54593-1

Plot Details			WS		FG		Ldr	Spots	Misc		CC	Tot	Hgt
Lyr	TT	TC	Age	HGT	Age	HGT							
1	4	3			98	3,100		Plt	S.I.	Green	CC		
2	1	1			33	800		Brh	Obsts	Hgt	30%		
3	2	2			12	168	11	Prp	B.A.	9	50%		
4	6	6			8	100	6	NP	Misc		80%		

Silviculture	Species	TWS	1	2	3	4	TFG	1	2	3	4
	Bl		3	0	1	0		3	0	1	0

Inventory	Species	% Cover				Age				Height (meters)				Crown Closure			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
	Sx	1	0	0	2	102			10	29.0		1.2		20			25
	Fdi	0	0	1	4			20	10		2.7	1.2				25	25
	Ep	1	1	0	0	75	40			19.0	12.0			20	20		
	Bl	8	9	9	4	110	40	18	6	30.0	14.0	4.0	1.0	1	1	1	1

Brush Data	Species	% COVER	HEIGHT (cm)
	rubu par	2	40

Plot Number	32	Stratum	B	WP	32	X-Cord	Y-cord
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Plot Details			WS		FG		Ldr	Spots	Misc		CC	Tot	Hgt
Lyr	TT	TC	Age	HGT	Age	HGT							
1	1	1						Plt	S.I.	Green	CC		
2								Brh	Obsts	Hgt	30%		
3	12	4						Prp	B.A.	2	50%		
4	1	1						NP	Misc		80%		

Silviculture	Species	TWS	1	2	3	4	TFG	1	2	3	4
	Sx		0	0	2	0		0	0	2	0
	Pli		0	0	2	0		0	0	2	0
	Fdi		0	0	0	1		0	0	0	0
	Bl		1	0	0	0		1	0	0	0

Plot Number	35	Stratum	B	WP	35	X-Cord	Y-cord
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Plot Details			WS		FG		Ldr	Spots	Misc		CC	Tot	Hgt
Lyr	TT	TC	Age	HGT	Age	HGT							
1	2	2						Plt	S.I.	Green	CC		
2	0							Brh	Obsts	Hgt	30%		
3	2	1						Prp	B.A.	5	50%		
4	2	2						NP	Misc		80%		

Silviculture	Species	TWS	1	2	3	4	TFG	1	2	3	4
	Sx		0	0	0	2		0	0	0	1
	Bl		2	0	0	0		2	0	0	0



Block ID

FG-M-A54593-APR-54593-1

Plot Number	39	Stratum	B	WP	39	X-Cord		Y-cord	
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Plot Details			WS		FG		Ldr	Spots		Misc		CC	Tot	Hgt
Lyr	TT	TC	Age	HGT	Age	HGT								
1	0							Plt	S.I.	Green		CC		
2	0							Brh	Obsts	Hgt		30%		
3	8	5			15	280		Prp	B.A.	5		50%		
4	0							NP	Misc			80%		

Silviculture	Species	TWS	1	2	3	4	TFG	1	2	3	4
	Fdi		0	0	5	0		0	0	3	0

Inventory	Species	% Cover				Age				Height (meters)				Crown Closure			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
	Pli	0	0	2	2			15	7		2.8	1.1		15	15		
	Fdi	1	1	6	6	120	50	9	4	31.0	12.0	1.5	0.5	1	15	25	28
	Bl	9	9	2	2	110	45	25	9	30.0	18.0	4.0	0.8	1	18	25	25

Brush Data	Species	% COVER	HEIGHT (cm)
	rubu par	20	130

Plot Number	44	Stratum	B	WP	44	X-Cord		Y-cord	
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Plot Details			WS		FG		Ldr	Spots		Misc		CC	Tot	Hgt
Lyr	TT	TC	Age	HGT	Age	HGT								
1	0							Plt	S.I.	Green		CC		
2	2	2			45	1,400		Brh	Obsts	Hgt		30%		
3	6	6			7	280		Prp	B.A.	0		50%		
4	1	1			7	110		NP	Misc			80%		

Silviculture	Species	TWS	1	2	3	4	TFG	1	2	3	4
	Sx		0	0	1	0		0	0	1	0
	Pli		0	0	3	0		0	0	3	0
	Bl		0	2	1	0		0	2	1	0

Inventory	Species	% Cover				Age				Height (meters)				Crown Closure			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
	Pli	0	0	2	2			10	4		2.6	1.0		21	25		
	Fdi	1	1	5	5	110	48	14	6	29.9	16.0	3.0	1.0	1	15	1	1
	Bl	9	9	3	3	110	45	26	10	31.0	18.0	10.0	0.8	1	15	24	26

Brush Data	Species	% COVER	HEIGHT (cm)
	oplo hor	10	120



Ministry of Forests

Block FG-M-A54593-APR-54593-1 Stratum A TU/SU 1 NAR(Ha) 11.40

Administration:

Licence A54593 Permit PR-5459 Block 1 Licencee BCTS
Division 10 Opening Number 93J027-051 Photo N/A Timber Mark N/A
Funding Source BCT Responsibility L Gross Area (ha) 16.8
Longitude _____ Latitude _____ Location Summit Lake
Standards Used Silviculture Prescription Standards Activity SU - FG - Multi
Survey Dates Start Date 10/11/2007 Finish Date 10/11/2007
Surveyor Name Paul Mantler Registration Number AA2005004

Stratum Description:

Stratum A TU/SU 1 NAR(Ha) 11.40 Elevation (m) 700m
BCG Zone SBSmk1 Site Series 04 Site Class M Plot Multiplier 200
Site Index 18 S.I. Source E-BGCG Classification





Ministry of Forests

Block FG-M-A54593-APR-54593-1 Stratum A TU/SU 1 NAR(Ha) 11.40

Silviculture Details:										
layer	1	Species	PA	TW	% cover	TFG	% cover			
		Bl	P	291	84%	291	84%			
		Sx	P	55	16%	55	16%			
		Fdi	P	0	0%	0	0%			
		Pli	P	0	0%	0	0%			
TT	364	TWS	345	WS Age		TFG	345	FG Age	112	LDR
TC	345	TWS(p)	345	Ws Hgt (cm)		TFG(p)	345	FG Hgt (cm)	3,167	
layer	2	Species	PA	TW	% cover	TFG	% cover			
		Bl	P	55	60%	55	60%			
		Sx	P	18	20%	18	20%			
		Fdi	P	18	20%	18	20%			
		Pli	P	0	0%	0	0%			
TT	145	TWS	91	WS Age		TFG	91	FG Age	38	LDR
TC	145	TWS(p)	91	Ws Hgt (cm)		TFG(p)	91	FG Hgt (cm)	1,450	
layer	3	Species	PA	TW	% cover	TFG	% cover			
		Fdi	P	236	41%	218	43%			
		Sx	P	164	28%	164	32%			
		Bl	P	127	22%	127	25%			
		Pli	P	55	9%	0	0%			
TT	1,836	TWS	582	WS Age		TFG	509	FG Age	15	LDR 27
TC	1,600	TWS(p)	582	Ws Hgt (cm)		TFG(p)	509	FG Hgt (cm)	345	
layer	4	Species	PA	TW	% cover	TFG	% cover			
		Fdi	P	91	56%	18	50%			
		Bl	P	36	22%	0	0%			
		Sx	P	18	11%	18	50%			
		Pli	P	18	11%	0	0%			
TT	745	TWS	164	WS Age		TFG	36	FG Age	4	LDR 13
TC	727	TWS(p)	164	Ws Hgt (cm)		TFG(p)	36	FG Hgt (cm)	63	
Miscellaneous Calculations:										
Countable Conifers			Countable Height (cm)			Green-up		Top Height (cm)		
30 %			50 %			80 %		Site Index		Basal Area 5
Spots		Plantable		Brush		Prepareable		Non Productive		
		Obstacles		Misc						
Pot FG		Germes		Vets		RCD				





Ministry of Forests

Block FG-M-A54593-APR-54593-1 Stratum A TU/SU 1 NAR(Ha) 11.40

Stocking Standards:

Preferred Species

Fdi Pli Bl Sx

Acceptable Species

%Hgt Above Brush

150.00

Min spacing (M.m)

1.6

FG Heights (M)

Fdi 1.4m Pli 2.0m Sx Bl 1.

Layer	Target	MSS(P+A)	MSS(P)	M	Max Conifers
1	600	300	250	3.0	10,000
2	800	400	300	4.0	10,000
3	1,000	500	400	5.0	10,000
4	1,200	700	600	6.0	10,000

Statistics:

		Min(P+A)	WS	Accum	Min(P)	WS(P)	Accum	Status
Well Spaced	1	300	309	309	250	309	309	SR
	2	400	73	382	300	73	382	NSR
	3	500	509	891	400	509	891	SR
	4	700	145	1,036	600	145	1,036	SR
		Min(P+A)	FG	Accum	Min(P)	FG(P)	Accum	Status
Free Growing	1	300	309	309	250	309	309	FG
	2	400	73	382	300	73	382	NFG
	3	500	455	836	400	455	836	FG
	4	700	36	873	600	36	873	FG

Inventory Details

Layer	Species	%Cover	Age	Hgt (m)	CC
1	Bl	8.7	108	30.3	1
1	Fdi	1.3	115	32.0	10
2	Bl	9.0	43	17.0	10
2	Fdi	1.0	51	14.7	13
3	Bl	4.7	20	3.4	17
3	Fdi	4.0	18	2.6	18
3	Sx	1.0	18	3.0	1
3	Pli	.3	10	2.4	21
4	Fdi	3.3	7	1.0	9
4	Bl	3.3	8	0.7	17
4	Sx	1.7	7	0.7	15
4	Pli	1.7	6	1.1	26

* Based on Ocular Estimate





Ministry of Forests

Block FG-M-A54593-APR-54593-1 Stratum A TU/SU 1 NAR(Ha) 11.40

Vegetation Summary:

Brush Code	Common	Occurrences	% cover	Range	Height(cm)	Range
corn ser	red-osier dogwood	2	8	-	130	-
loni inv	black twinberry	1	2	-	130	-
oplo hor	devil's club	1	5	-	130	-
rubu par	thimbleberry	1	20	-	110	-

Comeau Index





Ministry of Forests

Block FG-M-A54593-APR-54593-1 Stratum B TU/SU 2 NAR(Ha) 4.90

Administration:

Licence A54593 Permit PR-5459 Block 1 Licencee BCTS
Division 10 Opening Number 93J027-051 Photo N/A Timber Mark N/A
Funding Source BCT Responsibility L Gross Area (ha) 16.8
Longitude _____ Latitude _____ Location Summit Lake
Standards Used Silviculture Prescription Standards Activity SU - FG - Multi
Survey Dates Start Date 10/11/2007 Finish Date 10/11/2007
Surveyor Name Paul Mantler Registration Number AA2005004

Stratum Description:

Stratum B TU/SU 2 NAR(Ha) 4.90 Elevation (m) 700m
BCG Zone SBSmk1 Site Series 08 Site Class M Plot Multiplier 200
Site Index 18 S.I. Source E-BGCG Classification





Ministry of Forests

Block FG-M-A54593-APR-54593-1 Stratum B TU/SU 2 NAR(Ha) 4.90

Silviculture Details:									
layer	1	Species	PA	TW	% cover	TFG	% cover		
		Bl	P	240	100%	240	100%		
		Fdi	U	0	0%	0	0%		
		Pli	A	0	0%	0	0%		
		Sx	P	0	0%	0	0%		
TT	280	TWS	240	WS Age		TFG	240	FG Age	98 LDR
TC	240	TWS(p)	240	Ws Hgt (cm)		TFG(p)	240	FG Hgt (cm)	3,100
layer	2	Species	PA	TW	% cover	TFG	% cover		
		Bl	P	80	100%	80	100%		
		Sx	P	0	0%	0	0%		
		Fdi	U	0	0%	0	0%		
		Pli	A	0	0%	0	0%		
TT	120	TWS	80	WS Age		TFG	80	FG Age	39 LDR
TC	120	TWS(p)	80	Ws Hgt (cm)		TFG(p)	80	FG Hgt (cm)	1,100
layer	3	Species	PA	TW	% cover	TFG	% cover		
		Pli	A	200	50%	200	50%		
		Sx	P	120	30%	120	30%		
		Bl	P	80	20%	80	20%		
		Fdi	U	0	0%	0	0%		
TT	1,200	TWS	400	WS Age		TFG	400	FG Age	11 LDR 11
TC	720	TWS(p)	200	Ws Hgt (cm)		TFG(p)	200	FG Hgt (cm)	243
layer	4	Species	PA	TW	% cover	TFG	% cover		
		Sx	P	80	100%	40	100%		
		Bl	P	0	0%	0	0%		
		Fdi	U	0	0%	0	0%		
		Pli	A	0	0%	0	0%		
TT	400	TWS	80	WS Age		TFG	40	FG Age	8 LDR 6
TC	400	TWS(p)	80	Ws Hgt (cm)		TFG(p)	40	FG Hgt (cm)	105
Miscellaneous Calculations:									
Countable Conifers			Countable Height (cm)			Green-up		Top Height (cm)	
30 %			50 %			Site Index		Basal Area 4	
80 %									
Spots	Plantable		Brush		Prepareable		Non Productive		
	Obstacles		Misc						
Pot FG	Germs		Vets		RCD				





Ministry of Forests

Block FG-M-A54593-APR-54593-1 Stratum B TU/SU 2 NAR(Ha) 4.90

Stocking Standards:

Preferred Species		Sx Bl		Acceptable Species		Pli
%Hgt Above Brush	150.00	Min spacing (M.m)	1.6	FG Heights (M)	Pli 2.0 Sx Bl 1.0	
Layer	Target	MSS(P+A)	MSS(P)	M	Max Conifers	
1	600	300	250	3.0	10,000	
2	800	400	300	4.0	10,000	
3	1,000	500	400	5.0	10,000	
4	1,200	700	600	6.0	10,000	

Statistics:

		Min(P+A)	WS	Accum	Min(P)	WS(P)	Accum	Status
Well Spaced	1	300	240	240	250	240	240	NSR
	2	400	80	320	300	80	320	NSR
	3	500	320	640	400	200	520	SR
	4	700	80	720	600	80	600	SR
		Min(P+A)	FG	Accum	Min(P)	FG(P)	Accum	Status
Free Growing	1	300	240	240	250	240	240	NFG
	2	400	80	320	300	80	320	NFG
	3	500	320	640	400	200	520	FG
	4	700	40	680	600	40	560	NFG

Inventory Details

Layer	Species	%Cover	Age	Hgt (m)	CC
1	Bl	8.7	110	30.3	1
1	Fdi	.7	115	30.5	1
1	Sx	.3	102	29.0	20
1	Ep	.3	75	19.0	20
2	Bl	9.0	43	16.7	11
2	Fdi	.7	49	14.0	15
2	Ep	.3	40	12.0	20
3	Bl	4.7	23	6.0	17
3	Fdi	4.0	14	2.4	17
3	Pli	1.3	13	2.7	18
4	Fdi	5.0	7	0.9	18
4	Bl	3.0	8	0.9	17
4	Pli	1.3	6	1.1	20
4	Sx	.7	10	1.2	25

* Based on Ocular Estimate





Ministry of Forests

Block FG-M-A54593-APR-54593-1 Stratum B TU/SU 2 NAR(Ha) 4.90

Vegetation Summary:

Brush Code	Common	Occurrences	% cover	Range	Height(cm)	Range
oplo hor	devil's club	1	10	-	120	-
rubu par	thimbleberry	2	11	2-20	85	40-130

Comeau Index





MINISTRY OF
FOREST

PRINCE GEORGE
FOREST DISTRICT

SILVICULTURE SURVEY
FREEGROWING SURVEY PLOT MAP

CONTRACT #: SU2006TPGP-055

OPENING: 93J027-051

Surveyed By: Algonquin Forestry

Location: Summit Lake

Licence: A54593 BLK I

C.P. No.: APR-54593

Forest Region: Prince George

Drawn By: D.Cranswick

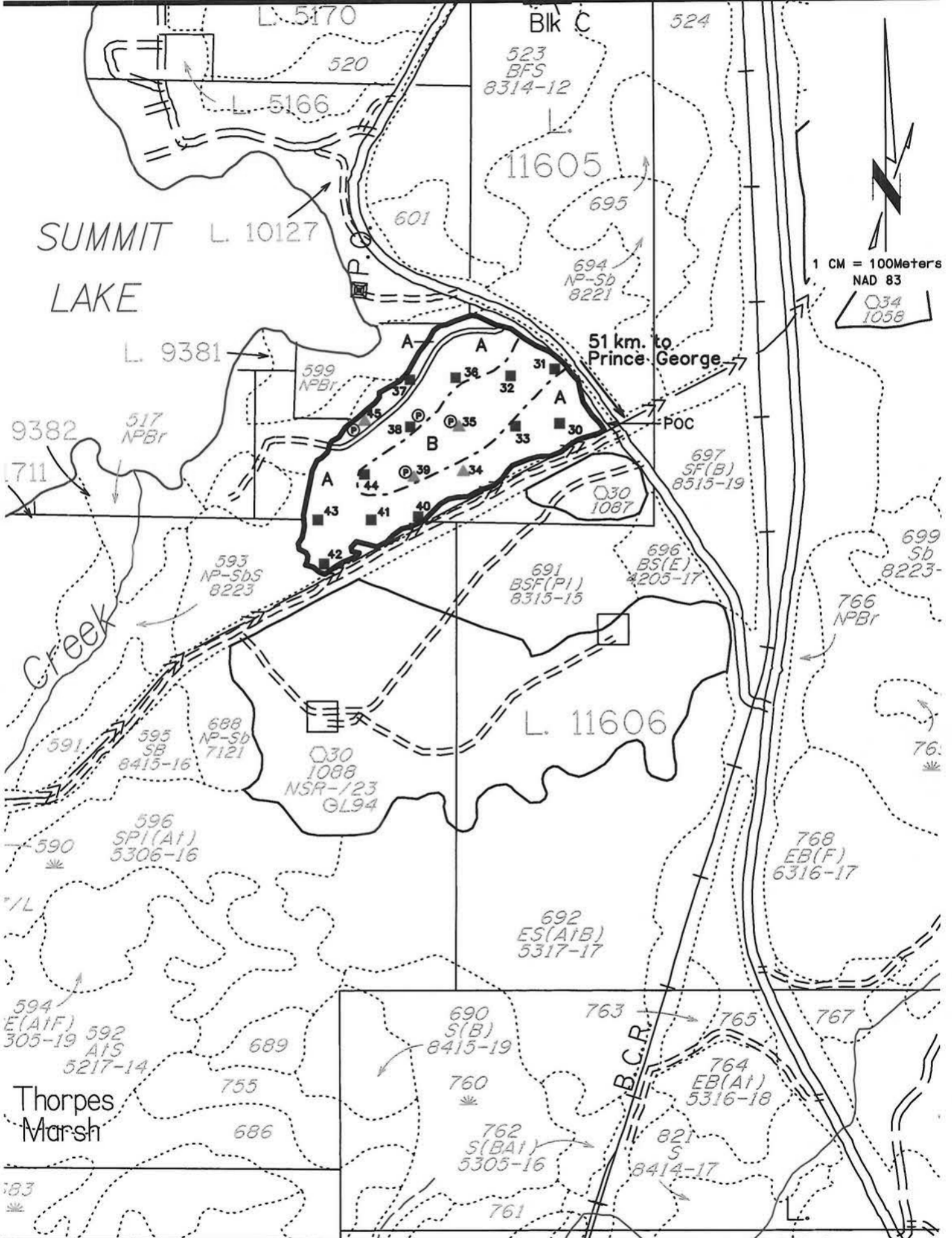
Date Drawn: 10/31/07

TOTAL AREA (ha.): 16.8

NAR (ha.): 16.3

UTM Zone	East	North	Mag	Contour	L
10	52	35	28	60	14270

SCALE: 1: 10,000



Cutblock Boundary
Stratum Boundary
Strip Line/Plots
Roads - Existing
Located Road
Trail

Landings
Wildlife Tree Patch
Drop - Off
Rock
Brush

Photo Location
Contour
Creek
Intermittent Creek
Swamp

Symbol	Plot	Colour
●	NSR	Red
▲	SR	Green
■	FG	Blue

Submitted by

Name: LARRY A. FIELDING

Phone Number: (250) 614-7400 email: larry.fielding@gov.bc.ca

Date: 2011/01/12

B. TENURE

OPENING	OBLIGATION		LICENCE NO.	CUTTING PERMIT	CUTBLOCK	LICENSEE		
	TIMBER MARK	BLOCK						
93J027-51	54593	1	A54593	APR-54593	1	TSM Prince George		
PREVIOUS						GROSS AREA (ha)	MAX ALLOWABLE PERMANENT ACCESS %	SITE PLAN EXEMPT (Y / N)
STAND TYPE	TIMBER TYPE			SITE				
	1 SPECIES	2 SPECIES	CLASSES	INDEX	SRC CODE			
MAT	Sx	Fdi	6 4 1	18	E	16.8	7	N

3. Silviculture Activity

C. SILVICULTURE

Opening No.	Obligation		Licence No.	Cutting Permit	CutBlock	Activity			Objectives			FundingSource		Date indicator	Completion Date		Net Area Treated (ha)
	Timbermark	Block				Base	Tech.	Method	1	2	3	Code	Project #		Year	Month	
93J027-51	54593	1	A54593	APR-54593	1	SU	FG	PLOT				BCT			2007	10	16.3
Seedlot	Species	Number Planted	Seedlot	Species	Number Planted	Seedlot	Species	Number Planted	Seedlot	Species	Number Planted	Seedlot	Species	Number Planted	Seedlot	Species	Number Planted
Opening No.	Obligation		Licence No.	Cutting Permit	CutBlock	Activity			Objectives			FundingSource		Date indicator	Completion Date		Net Area Treated (ha)
	Timbermark	Block				Base	Tech.	Method	1	2	3	Code	Project #		Year	Month	
93J027-51	54593	1	A54593	APR-54593	1	SU	FG	WALK				BCT			2008	09	16.3
Seedlot	Species	Number Planted	Seedlot	Species	Number Planted	Seedlot	Species	Number Planted	Seedlot	Species	Number Planted	Seedlot	Species	Number Planted	Seedlot	Species	Number Planted

4. Forest Cover Polygon

C. FOREST COVER

SU	STR	AREA (ha)	REF	Reserve		SITE	Tree Cover Pattern	Re-Entry Year	STOCKING		LAYER	SPECIES COMPOSITION																CC (%)	Density (stms/ha)	Total Well-Spaced (stms/ha)	Well-Spaced (stms/ha)	Free-Growing (stms/ha)	BASAL AREA (m2/ha)	DAMAGE AGENT			
				TYPE	OBJ				INDEX	SCORE		Status	Type	Species	%	Age (yrs)	HT (m)	Species	%	Age (yrs)	HT (m)	Species	%	Species	%	Species	%							CODE	%	CODE	%
1	A	11.4	07	D	V	15	E			IMMART	1	BI	87.0	108	30.3	Fdi	13.0	115	33.							60	364										
1	A	11.4	07	D		15	E			IMMART	1S	BI	84.0	112	31.7	Sx	16.0											345	309	309							
1	A	11.4	07	D	V	15	E			IMMART	2	BI	90.0	43	17.	Fdi	10.0	60	17.							20	145										
1	A	11.4	07	D		15	E			IMMART	2S	BI	60.0	38	14.5	Fdi	20.0			Sx	20.0							91	73	73							
1	A	11.4	07	D	V	15	E			IMMART	3	BI	47.0	18	4.	Fdi	40.0	10	1.6	Sx	10.0	Pli	3.0			35	1836										
1	A	11.4	07	D		18	E			IMMART	3S	Fdi	43.0	14	3.5	Sx	32.0			BI	25.0							582	509	455							
1	A	11.4	07	D	V	18	E			IMMART	4	BI	33.0	8	.7	Fdi	33.0	7	1.	Pli	17.0	Sx	17.0			6	745										
1	A	11.4	07	D		18	E			IMMART	4S	Fdi	50.0	4	.6	Sx	50.0											164	145	36							
2	B	4.9	07	D	V	18	E			IMMART	1	BI	87.0	110	30.3	Fdi	7.0			Ep	3.0	Sx	3.0			60	280										
2	B	4.9	07	D		18	E			IMMART	1S	BI	100.0	98	31.													240	240	240							
2	B	4.9	07	D	V	18	E			IMMART	2	BI	90.0	43	16.7	Fdi	7.0			Ep	3.0					15	120										
2	B	4.9	07	D		18	E			IMMART	2S	BI	100.0	39	11.													80	80	80							

Submitted by

Name: LARRY A. FIELDING

Phone Number: (250) 614-7400 email: larry.fielding@gov.bc.ca

Date: 2011/01/12

C. FOREST COVER

SU	STRATA	AREA (ha)	REF	Reserve		SITE INDEX	SCROD EE	Tree Cover Pattern	Re-Entry Year	STOCKING		LAYER	SPECIES COMPOSITION																CC (%)	Density (stms/ha)	Total Well-Spaced (stms/ha)	Well-Spaced (stms/ha)	Free-Growing (stms/ha)	BASAL AREA (m2/ha)	DAMAGE AGENT			
				YR	OBJ					Status	Type		Species	%	Age (yrs)	HT (m)	Species	%	Age (yrs)	HT (m)	Species	%	Species	%	Species	%	CODE	%							CODE	%		
2	B	4.9	07	D	V	18	E			IMM	ART	3	Bl	47.0	18	4	Fdi	40.0	12	2.3	Pli	13.0					30	1200										
2	B	4.9	07	D		21	E			IMM	ART	3S	Pli	50.0	11	2.4	Sx	30.0			Bl	20.0						400	320	320								
2	B	4.9	07	D	V	18	E			IMM	ART	4	Fdi	50.0	7	.9	Bl	30.0	8	.9	Pli	13.0	Sx	7.0			2	400										
2	B	4.9	07	D		18	E			IMM	ART	4S	Sx	100.0	8	1.1												80	80	40								
	Z	.5	04							NP	UNN	I														0												

5. Milestone Declaration

D. ESTONE DECLARATION

SU	DECLARATION OF OBLIGATION MET			COMMENTS
	POST HARVEST YYYY-MM-DD	REGENERATION YYYY-MM-DD	FREE-GROWING YYYY-MM-DD	
1			2011 01 12	
2			2011 01 12	



Fielding, Larry A FOR:EX

From: FORHISP.APPHELP@gov.bc.ca
Sent: Thursday, January 6, 2011 1:53 PM
To: Fielding, Larry A FOR:EX
Subject: Opening Amendment Decision

-----START OF MESSAGE-----

This is an automated message from the RESULTS System.
Please do not reply to this message.

This message was sent to: Fielding, Larry A FOR:EX This message is to inform you that your request of an amendment was approved. The opening is 65276 The status of the opening is APP It was submitted by: IDIR\LAFIELDI on 2010-12-31.

License: A54593
CP:
BLOCK: 1

The link to the history of the opening is:

https://apps.for.gov.bc.ca/results/indexAction.do?isMenuPick=true&tabscreen=results610EventTrackHistAction.do&screen=results610EventTrackHistAction.do&p event tracking type=0&p opening_id=65276

-----END OF MESSAGE-----

Opening Inquiry

Multi-Tenure

Stocking Standards

Activities

Projects

Forest Cover

Milestones

Land Status

Attachments

Org Unit: DPG - Prince George Forest District

Status: APP - Approved

Client: TPG00

Name: TIMBER SALES MANAGER PRINCE GEORGE

Opening: 93J0270.051

Opening Id: 65276

Licensee Opening Id:

Licence No: A54593

CP:

Cut Block: 1

Timber Mark: 54593

Exhibit A Area (ha): 16.8

Disturbance Area (ha): 16.8

NAR (ha): 16.3

Forest Cover Area (ha): 17.1

Opening Gross Area (ha): 16.8

Go

Clear

SP Map

Map View

History

FTA

RESULTS310 - Stocking Standards

1 of 2

Back

SU: 1

Net Area To Be Reforested (ha): 11.4

Max Soil Disturbance: 10%

Comment: Y

Attachment: N

Amendment #: 2

SU History

BGC Zone	BGC Subzone	Variant	Phase	Site Series	Site Phase	Seral
SBS	mk	1		04		

Standards Regime

Standards ID:

FSP ID:

Standards Name:

Expiry Date:

Regen Obligations:

No Regen Obligations:

Additional Standards: No

Regen Delay

Free Growing Early

Free Growing Late

4

9

15

Species Ht(m)			Well Spaced Trees (st/ha)					Post Spacing Density(st/ha)		Max Conif (st/ha)	Ht To Comp
Layer	Preferred	Acceptable	Target	Min	Min Pref	Min Hz(m)	Basal Area	Min	Max		
4 - Regen	FDI/1.4, PLI/2	BL/1, SX/1	1200	700	600	1.6		700	1800	5000	150%
3 - Sapling	FDI/1.4, PLI/2, BL/1, SX/1		1000	500	400	1.6		700	1800	5000	150%
2 - Pole	FDI/1.4, PLI/2, BL/1, SX/1		800	400	300	1.6		700	1800	5000	150%
1 - Mature	FDI/1.4, PLI/2, BL/1, SX/1		600	300	250	1.6		700	1800	5000	150%

Correction

Minor Amendment

Amendment

Opening Inquiry Multi-Tenure Stocking Standards Activities Projects Forest Cover Milestones Land Status Attachments

Org Unit: Activities Status: APP - Approved

Client: TPG 00 Name: TIMBER SALES MANAGER PRINCE GEORGE

Opening: 93J 027 0.0 Forest Cover Opening Id: 65276 Licensee Opening Id:

Licence No: A54593 Milestones CP: Cut Block: 1 Timber Mark: 54593

Exhibit A Area (ha): 16.8 Disturbance Area (ha): 16.8 NAR (ha): 16.3 Forest Cover Area (ha): 17.1 Opening Gross Area (ha): 16.8

Attachments Go Clear SP Map Map View History FTA

RESULTS310 - Stocking Standards

2 of 2 |< < > >|

[Back](#)

SU: 2 Net Area To Be Reforested (ha): 4.9 Max Soil Disturbance: 10%

Comment: Y Attachment: N

Amendment #: 2 SU History

BGC Zone	BGC Subzone	Variant	Phase	Site Series	Site Phase	Seral
SBS	mk	1		08		

Standards Regime

Standards ID: Standards Name: Expiry Date:

FSP ID:

Regen Delay 4 Free Growing Early 9 Late 15

Regen Obligations:

No Regen Obligations:

Additional Standards: No

Layer	Species Ht(m)		Well Spaced Trees (st/ha)					Post Spacing Density(st/ha)		Max Conif (st/ha)	Ht To Comp
	Preferred	Acceptable	Target	Min	Min Pref	Min Hz(m)	Basal Area	Min	Max		
4 - Regen	SX/1	PLI/2, BL/1	1200	700	600	1.6		700	1800	5000	150%
3 - Sapling	SX/1, BL/1	PLI/2	1000	500	400	1.6		700	1800	5000	150%
2 - Pole	SX/1, BL/1	PLI/2	800	400	300	1.6		700	1800	5000	150%
1 - Mature	SX/1, BL/1	PLI/2	600	300	250	1.6		700	1800	5000	150%

[Correction](#)[Minor Amendment](#)[Amendment](#)[Feedback](#) [Disclaimer](#) [Privacy](#) [Copyright](#)

Ministry of Forests & Range

Amendment #1

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Org Unit: DPG - Prince George Forest District

Client Number: c 17 Locn: 00 Name: TIMBER SALES MANAGER PRINCE GEORGE

Opening 93J 027 0.0 51 Opening ID: 65276 Licensee Opening ID:

1 of 2

SU: 1 Net Area To Be Reforested (ha): 11.4 Expiry Date:

Max Soil Disturbance: 10% Comment: Y

BGC Zone/Sub/Var/Phase: SBS mk 1 Site Series/Site Phase/Seral: 04

Standards ID: Standards Name: Amended: Y

Objective: Geographic:

Regen Delay Free Growing Early Late

Regen Obligations: 4 9 15

No Regen Obligations:

Additional Standards:

[Single] [Layer 4 - Regen] [Layer 3 - Sapling] [Layer 2 - Pole] [Single]

	Well Spaced Trees / ha	Residual Basal Area (m2/ha)	Post Spacing Density (st/ha)
Target:	1200		
Min Horiz (m):	1.6		
Min Pref:	600		
Min:	700		700
Max:			1800
Max Coniferous (st/ha):	5000		
Height Relative to Comp(cm/%):	150 %		

Preferred Species	Min Height
FDI - INTERIOR DOUGLAS-FIR	1.4
PLI - LODGEPOLE PINE	2

Acceptable Species	Min Height
BL - SUBALPINE FIR ✖	1
SX - SPRUCE HYBRID ✖	1

} Preferred for layers 1,2 +3 only. L.F.

Amendment Rationale:

Amendment #1 completed by Larry Fielding, RPF on Dec. 31, 2010:

The purpose of this amendment for SU 1 is to add Bl and Sx as preferred species for layers 1, 2, and 3. Originally these species were only acceptable. This opening was selectively harvested to salvage fir beetle attacked trees, and a retention of 66% of the basal area was targeted. This is a very productive site and although the ecology for SU 1 is classified as an 04 site series, the ecology is quite variable throughout the block with devils club and twinberry being present. Bl and Sx were the primary species retained following harvesting in SU 1. I have personally field visited this opening and the Bl and Sx are healthy, have good form and vigour, and represent a good source for a variety of forest products including lumber, if a second pass were to occur. This SU is at a free growing state and a declaration is planned.

The NAR of SU 1 has also been revised from 11.5 ha to 11.4 ha based on updated spatial information.

Submitted By:

Submitted Date:

Click to Print This Page

Org Unit:DPG - Prince George Forest District

Client Number: 17Locn: 00Name: TIMBER SALES MANAGER PRINCE GEORGE

Opening: 93J 027 0.0 51Opening ID: 65276Licensee Opening ID:

2 of 2

SU:2Net Area To Be Reforested (ha):4.9Expiry Date:

Max Soil Disturbance:10%Comment:Y

BGC Zone/Sub/Var/Phase:SBS mk 1Site Series/Site Phase/Seral:08

Standards ID:Standards Name:Amended:Y

Objective:Geographic:

Regen Obligations:Regen Delay4Free Growing Early9Late15

No Regen Obligations:

Additional Standards:

[Single] [Layer 4 - Regen] [Layer 3 - Sapling] [Layer 2 - Pole] [Single]

	Well Spaced Trees / ha	Residual Basal Area (m2/ha)	Post Spacing Density (st/ha)
Target:	1200		
Min Horiz (m):	1.6		
Min Pref:	600		
Min:	700		700
Max:			1800
Max Coniferous (st/ha):	5000		
Height Relative to Comp(cm/%):	150 %		

Preferred SpeciesMin Height

SX - SPRUCE HYBRID1

Acceptable SpeciesMin Height

PLI - LODGEPOLE PINE2

BL - SUBALPINE FIR *1

BI is preferred for layers 1, 2 + 3 only. L.F.

Amendment Rationale:
Amendment #1 completed by Larry Fielding, RPF on Dec. 31, 2010:

The purpose of this amendment for SU 2 is to add BI as a preferred species for layers 1, 2, and 3. Originally this species was only acceptable. This opening was selectively harvested to salvage fir beetle attacked trees, and a retention of 66% of the basal area was targeted. This is a very productive site. BI was the primary species retained following harvesting in SU 2. I have personally field visited this opening and similar to SU 1, the BI is healthy, has good form and vigour, and represents a good source for a variety of forest products including lumber, if a second pass were to occur. This SU is at a free growing state and a declaration is planned.

The NAR of SU 2 has also been revised from 4.8 ha to 4.9 ha based on updated spatial information.

Submitted By:

Submitted Date: Dec. 31, 2010

QUALITY ASSURANCE CHECKLIST

TSL# AS4593 BLK. # 1 OPENING NUMBER 933027-51

Block Details Tab:

- ☒ YES Opening Number and Mapsheet fields are in the proper format: 93O014-34
- ☒ YES The latitude and longitude are entered (to the nearest second, if possible).
- ☒ YES Previous Stand Type, Timber Type and Order (= 1, 2), Age, and Height Stocking Class (please note that some age and height stocking class codes have been entered backwards)
- ☒ YES Site Index and Source correct (Source is E or H where already filled-in.)
- ☒ YES Operating Area is correct: Prince George; Robson Valley; TFL 30; TFL 53.
- ☒ YES FDP Status is entered; Funding Code is BCT; and Category is FTSBF.
- ☒ YES The applicable Block State has been selected.
- ☒ YES Prov Frst Conflict= Within
- ☒ YES Traverse= POC and POT
- ☒ YES Directions are entered under the Comments section.

Silviculture Prescription:

- ☒ YES Each SU is digitized correctly and corresponds with the most current ortho.
- ☒ YES Stocking standards are complete.

Survey Activity- Details Tab: ☐ N/A

- ☒ YES Start date and completion date; Contractor name; Funding Code is BCT; Access Comments; and Silviculture Project ID is entered.

Survey Activity- Survey Units Tab: ☐ N/A

For Roads:

- ☐ YES Enter "I" for layer; Reference Year (year of survey); and NP Road for Stocking Status/Type.

For WTPs/Reserves:

- ☐ YES Enter "I" for layer; Reference Year; Crown Closure; Site Index; Site Source; Type/Objective; and RES NAT for Stocking Status/Type. For determining Type/Objective, refer to SP. **PLEASE NOTE:** Only complete if not previously populated from another silviculture survey. If entered and digitized in another survey, then NP and WTP are already linked to stocking status.

For Productive SUs:

- ☒ YES Enter "I" for layer; Reference Year (year of survey); Stocking Status/Type; Site Index; Site Source; Density (total trees); Crown Closure; and Countable Conifers (optional). Pest Code and Percentage are entered if applicable.
- ☒ YES Enter "S" for layer; Site Index; Site Source; Total Free Growing (if applicable); Total Well Spaced; Total Preferred Free Growing (if applicable); Total Preferred Well Spaced; and Lower Confidence Limits for both. Well spaced does not exceed the "m" value.
- ☒ YES For Inventory and Silviculture Layers: enter Species; Percent (to the nearest % for "S" and to the nearest 10% for "I" with a total of 100%); Age (leading and second leading species for "I"); and Height (leading species and second leading species for "I").
- ☒ YES Enter the Milestone date for any productive SU and check the checkbox.
- ☐ YES The activity status has been changed to DONE.

Populating the Stocking Status: ☐ N/A

- ☒ YES SU/stratum link: Each stratum belongs to only 1 SU.
- ☒ YES All polygons are linked. There are no slivers that have been missed. Existing linework has been used where appropriate (copy function).
- ☒ YES All productive strata < 1 ha have been minimized.
- ☒ YES Strata Area = Block Area.

Planting Activity: ☒ N/A

- ☐ YES All applicable data in the Details Tab is entered.
- ☐ YES All applicable data in the Planting Units Tab is entered.
- ☐ YES The activity status has been changed to DONE.
- ☐ YES Spatial is complete and accurate. The Done Area = SP NAR.

Silviculture Activity Regime:

- ☒ YES The activity regime is updated based on the survey recommendations OR based on the default regime.
- ☒ YES Previously planned activities that are not applicable have been updated or deleted.
- ☒ YES The Planned Area= the SP NAR.

RESULTS:

- ☒ YES ☐ NO The opening exists in RESULTS.
- ☒ YES ☐ NO ☐ N/A Regeneration Milestone is declared.
- ☐ YES ☒ NO ☐ N/A Regen is overdue.
- ☐ YES ☒ NO ☐ N/A Free Growing Milestone is declared.
- ☐ YES ☐ NO ☐ N/A Free Growing is overdue.

Is an SP amendment required? ☐ YES ☒ NO

Can Regen Delay be declared? ☒ YES ☐ ALREADY DECLARED ☐ ISSUES

Can Free Growing be declared? ☒ YES ☐ N/A ☐ ISSUES

Comments/Issues/Outstanding Work:

Declared FG in 2007 survey
Removed scheduled 2009

Completed by: Randy Stone

Date: Nov 13

BCTS - RESULTS Submissions

TSL A 54893 CP ✓ BLOCK OPENING #: 935027-051

INITIALS DATE

1. FILE REVIEW CONFIRMATION

- Check RESULTS for Declaration status. ☒ Regen ☐ FG
- If declared, print off the RESULTS Milestone report, highlight milestone and place on file. *RG Declared Date: 2000-06-22 Late FG Date: _____*
- Complete Regen / Free Growing check review form.
- Amendment required? (Complete and send to Richard) ☐ Yes ☒ No
- Draft covering letter and send to Richard for signing.
- Place copy on file and replace with the approved amendment once received.
- Complete GENUS/RESULTS data entries and update amendment once approved.
- Check if SU & Strata link is established in GENUS. ☒ Yes ☐ No
- Determine if mapping to be completed by:
 - ☒ Brooke
 - ☒ Spatial Mapping.
- Update and assign duties in Access database – genus_loading_status.mdb (located at P:\tpg_root\genus_status\genus_silv_data_loading_status.mdb)

JK March 21/05

2. GIS MAPPING LINKAGE

- Create, check and establish the correct links for this block for surveys, brushing, planting etc.
- Update the genus loading database located at P:\tpg_root\genus_status\genus_silv_data_loading_status.mdb

done

3. GENUS EXCHANGE PROCESSING

- Review, enter and update treatment regime and recommendations.
- Create Projects in GENUS for this coming field season plus two years. Use the following legend, i.e. for 2005 Herbicide project in GENUS is BR2006TPG-REHE (☐ BR..REHE, ☐ PL..REPL, ☐ SP..RESP, ☐ ST..REST, ☐ SU..RESU, ☐ TR..RETR)
- Prepare file electronically for submission (refer to PG Procedures).
- Check that species is in full % and add up to 100% (50, versus 5), Funding Source is (BCT), Crown Closure and Total Well Spaced Stems and Density values are entered on survey screen.
- Populate Stocking Status.
- Create XML.
- Print off the GENUS Exchange & GENUS Regen Delay and FG Reports.
- Send Activity to RESULTS, print the successful RESULTS activity submission.
- Check XML for map information on FG and Regen.
- For Spatial Layer on Activity submissions, select PG Blocks layer only. For FG and RD submissions select PG Blocks, PG SU, PG strata & PG silv-survey layers.
- Save to G:\BCTS\Results\Results Submissions\
 - ☐ Activity, ☐ All In One ☐ , Free Growing, ☐ Regen Delay\TSLA..CP#..Block#.xml.
- Update the genus loading database located at P:\tpg_root\genus_status\genus_silv_data_loading_status.mdb

4. BCTS SILVICULTURE PRACTICES FORESTER

- Prepare and submit RESULTS submission.
- Confirm that submission was successful & print RESULTS milestones report for file.

5. FILE

Return opening file to File Room.

Submitted by

Name: Richard S. Dominy

Phone Number: (250) 614-7526 email: richard.dominy@gov.bc.ca Date: 2006/02/02

B. TENURE		OBLIGATION		BLOCK		LICENCE NO.		CUTTING PERMIT		CUTBLOCK		LICENSEE	
OPENING		TIMBER MARK		54593		1		A54593		APR-54593		1	
93027-51												TSM Prince George	
STAND TYPE		1 SPECIES		2 SPECIES		PREVIOUS		CLASSES		INDEX		GROSS AREA (ha)	
										0		16.8	
												7	
												N	
												MAX ALLOWABLE PERMANENT ACCESS %	
												SITE PLAN EXEMPT (Y/N)	

4. Forest Cover Polygon

C. FOREST COVER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
SU	Y R A T A	AREA (ha)	REF	Reserv T O I N D E X S C R I P T I O N P L A N	SITE	Tree Cover Pattern	Re- Entry Year	STOCKING Status Type	L A Y E R	SPECIES COMPOSITION										CC (%)	Density (stms/ha)	Total Well- Spaced (stms/ha)	Well- Spaced (stms/ha)	Free- Growing (stms/ha)	BASAL AREA (m2/ha)	DAMAGE AGENT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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5. Milestone Declaration

Submitted by

Name: Richard S. Dominy Phone Number: (250) 614-7526 email: richard.dominy@gov.bc.ca Date: 2006/02/02

D. MILESTONE DECLARATION

SU	DECLARATION OF OBLIGATION MET			COMMENTS
	POST HARVEST YYYY-MM-DD	REGENERATION YYYY-MM-DD	FREE-GROWING YYYY-MM-DD	
1		2000 06 22		
2		2000 06 22		

[Opening Inquiry](#) [Multi-Tenure](#) [Stocking Standards](#) [Activities](#) [Forest Cover](#) [Milestones](#) [Land Status](#) [Attachments](#)

Org Unit:

Status:

APP

Client: S.17

Name: EDWARDS

Opening: Opening Id: Licensee
Opening Id:Licence
No: CP:

Timber Mark:

Cut BI

Exhibit A Area (ha): 16.8

Disturbance Gross Area (ha): 13.5

NAR (ha): 16.3

Forest Cover Area (ha)

RESULTS325 - Milestones

Compliance Date Indicator: HARVEST

SU	SU Area Declaration Type	Due Early	Due Late	Declared		Cmt	Submission Date	
				Date	User ID			
					Calendar			Save
1	11.5 Post Harvest	0	0			No		Upd
1	11.5 Regeneration	1997-09	2001-09	2000-06-22	SHOUGH	No	2003-11-15	Upd
1	11.5 Free Growing	2006-09	2012-09			No		Upd
2	4.8 Post Harvest	0	0			No		Upd
2	4.8 Regeneration	1997-09	2001-09	2000-06-22	SHOUGH	No	2003-11-15	Upd
2	4.8 Free Growing	2006-09	2012-09			No		Upd

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MINISTRY OF FORESTS

Opening #: 93J027-051
Lic-block: A54593

Boundary source: digitized from SU Survey bdry (FC) - matches pipeline
Road source: FC ortho edge better
Landing source: N/A than SU
Swamp source: N/A bdry.
Other base feature source: N/A
Other base feature source: N/A

SU typeline source:
Digitized from SU map

SRV typeline source:
Used SU lines

Cover(s) to load to Genus (Atlas E:\data\bcts\load2genus):

j27-51sa

GENUS TABULAR AREA TRACKING:

	OLD (ha)	NEW (ha)
Gross	<u>16.8</u>	<u>16.8</u>
Estimated	<u>16.8</u>	
Merch	<u>16.3</u>	
Hrvst'd	<u>13.5</u>	
Remain'g	<u>2.8</u>	

SU 1	<u>11.5</u>	<u>11.4</u>
SU 2	<u>4.8</u>	<u>4.9</u>
SU 3		
SU 4		
SU 5		
SU 6		
W		
Z	<u>0.5</u>	<u>0.5</u>
NP		
Other		

	OLD (ha)	NEW (ha)
SRV A		<u>11.4</u>
SRV B		<u>4.9</u>
SRV C		
SRV D		
SRV E		
SRV F		
W		
Z		<u>0.5</u>
NP		
Other		

Pathnames:

Digitized or FC data - Atlas E:\data\bcts\prep(x)

Digital survey data - Atlas E:\data\bcts\batch(x)

Ortho data - will be contained in the genus-ready cover(s) - Atlas E:\data\bcts\load2genus...

Final combined cover(s) ready to load into Genus - Atlas E:\data\bcts\load2genus...

SU data loaded/linked in Genus for this block?
SRV data loaded/linked in Genus for this block?

Y/N
Y/N

Init: SR Jan 31/05 L.
Init: SR Jan 31/05 L.



Date: April 7, 2016
File:8015173
Reserve No.:R168018

Ministry of Transportation and Infrastructure
Geotech and Materials - Northern Region
213, 1011 - 4th Avenue
Prince George, BC V2L 3H9

Attention: Satish Prasad

Dear Mr. Prasad:

NOTICE OF ESTABLISHMENT OF SECTION 17 CONDITIONAL WITHDRAWAL

Re: Those parts of Sections 29 and 33, Township 81, Range 25, W6M, Peace River District, containing 40.82 hectares, more or less.

AUTHORITY: The undersigned has been charged with the administration of Section 17 of the Land Act; and

DECISION: The undersigned considers it advisable in the public interest to establish a Designated Use Reserve over the area identified on the attached map; then

AGENCY AND EFFECTIVE PERIOD: Except for a land use compatible with quarrying land for MOTI projects, the Crown land area outlined on the attached map is hereby established as a Map Reserve on behalf of the Ministry of Transportation and Infrastructure for a term of 30 years, effective April 7, 2016.

PRIOR RIGHTS: All prior rights must be respected and acknowledged:
(i) all subsisting dispositions and subsisting grants to or rights of any person made or acquired under the *Coal Act, Forest Act, Mineral Tenure Act, Petroleum and Natural Gas Act, Range Act, Wildlife Act* or *Water Act*, or any extension or renewal of the same, whether or not you have actual notice of them;
(ii) prior dispositions under the *Land Act*; and
(iii) the exceptions and reservations of interests, rights, privileges and titles referred to in section 50 of the *Land Act*.

Any compatible use will be referred to your agency during our adjudication process.

For your information we have consulted with First Nations on the map reserve only. You are responsible for further consultation prior to your agency commencing any development or infringement on this site. Please ensure that you do the consultation required with the appropriate First Nation Band(s).

Richard Elliott, A/Director of Authorizations
Ministry of Forests, Lands and Natural Resource Operations

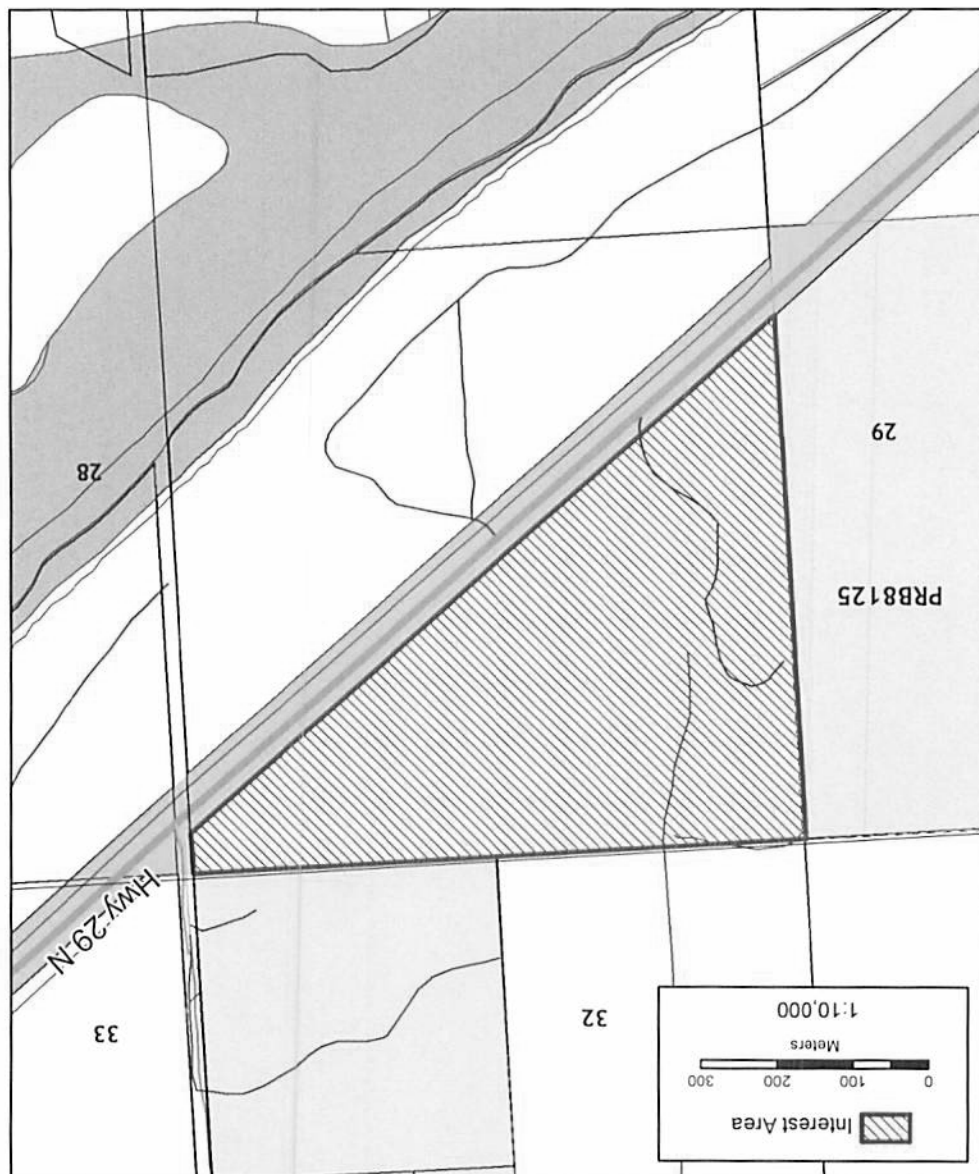
April 7, 2016
Date

/sdc

Attachments

cc: : Ministry of Transportation & Infrastructure 300, 10003-110th Avenue, Fort St. John, BC V1J 6M7
Attn: Andrew Barrett- via email Andrew.Barrett@gov.bc.ca

SECTION 17 MAP RESERVE NO. R168018
File No. 8015173





Date: December 1, 2009
MOTI File: Lynx Cr. Notation
ILMB File: 8015173
NOI No.: R098027

Ministry of Transportation and Infrastructure
214, 1011 4th Ave
Prince George, BC V2L 3H9

Attention: Satish Prasad, Regional Aggregate Resources Manager

NOTICE OF ESTABLISHMENT OF NOTATION OF INTEREST

RE: THOSE PORTIONS OF THE SW1/4 SECTION 33, TOWNSHIP 81, RANGE 25 AND THE NE1/4 SECTION 29, TOWNSHIP 81, RANGE 25, W6M, PEACE RIVER DISTRICT, CONTAINING 40 HECTARES, MORE OR LESS.

AUTHORITY: The undersigned has been charged with the administration of Crown Land under the Land Act; and

DECISION: The undersigned considers it advisable to establish Notation of Interest R098027 over the area identified on the attached sketch; then

AGENCY AND EFFECTIVE PERIOD: A Notation of Interest is established over Crown Land, highlighted on the attached sketch, to record the interest of the Ministry of Transportation and Infrastructure in the area due to its importance for quarry potential purposes, effective December 1, 2009, for a term of five (5) years. Applications for Crown Land in the above area are to be referred to the Ministry of Transportation and Infrastructure for comment and consultation in the adjudication of such applications.

PRIOR RIGHTS: This Notation of Interest is issued subject to:
1. MOTI conducting First Nations Consultation on behalf of the Crown prior to any ground disturbance, and
2. MOTI notifying the District of Hudson's Hope and the Agricultural Land Commission prior to any development


Karrilyn Vince
Manager Client Services
Northern Region, Interior Operations Division
Integrated Land Management Bureau
Ministry of Agriculture and Lands

December 1, 2009
Date

/ldb

Attachments

pc: MOTI, 300, 10003 – 110 Ave., FSJ, BC, V1J6M7, Attn.: Sacha Antifaeff

THOSE PORTIONS OF THE SW1/4 SECTION 33, TOWNSHIP 81, RANGE 25 AND THE NE1/4 SECTION 29, TOWNSHIP 81, RANGE 25, W6M, PEACE RIVER DISTRICT, CONTAINING 40 HECTARES, MORE OR LESS.

