



Silviculture Survey
Summary

Stratum:	A	Stocking Status:	FG Imm Nat
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Project:	SU10TLFxxx	Unit #:	Unit F5	Gross area:	25.7
Block:	A56625 - 1	Field Start:	2009-07-17	Survey area:	25.7
Opening:	093B049-238	Field Finish:	2009-07-28	Plot multiplier:	200
Contractor:	Doe Contracting	# of Plots:	26	Latitude:	51.39
Surveyors:	John Doe, Jane Doe (AA1997zzz, AA2000yyy)			Longitude:	122.16
History:	L97			Low Elevation (m):	910
BioGeo Label:	SBSdw2 06(50) 03(50)	Soil texture:	SiL	High Elevation (m):	960
Green-up SPH:	-	Soil CFC:	30	Aspect:	Variable
Green-up ht (cm):	-	Site Index Source:	E	Slope (%):	15

Regen Delay:	2004-05-21	Early FG Date:	2002-05-21	Late FG Date:	2012-05-21
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Specify FG Standards Used:	☒ Prescription Standards	☐ Modified FG Survey Criteria within the SBPS xc and IDF dk4 Subzones of the Williams Lake Timber Supply Area (DCC & DCH District Policy)
	☐ Interim FG Guidelines (Quadrant Method)	☐ Other (Specify in Comments section below)

		Layer 1	Layer 2	Layer 3	Layer 4	Vets
Stocking Standards (SPH)	Target (TSS)	600	800	1,000	1,200	-
	Minimum (MSS p+a)	300	400	500	700	-
	Minimum Preferred (MSS p)	250	300	400	600	-
	Maximum Density	-	-	1,000	-	-
	Preferred species	Fdi,Pli,Sx	Fdi,Pli,Sx	Fdi,Pli,Sx	Fdi,Pli,Sx	-
	Acceptable species					
Overall Inventory Information (SPH)	Minimum spacing	-	2	2	2	-
	Total Trees	354	23	1,100	2,715	-
	Total Conifers	331	23	885	2,462	-
	Countable Conifers	-	-	885	-	-
	Plantable	-	-	-	-	-
	Preparable	-	-	-	-	-
Well Spaced Stocking (SPH)	Crown Closure (%)	15	1	4	2	-
	Rank			1	2	
	WS	292	-	300	362	-
	WS (P)	292	-	300	362	-
	WS (M+)	323	-	323	408	-
	WS (LCL)	214	-	196	271	-
Free Growing Stocking (SPH)	WS LCL as Single Layer *	N/A	N/A	N/A	848	N/A
	WS Cumulative (Using M)	292	292	592	954	-
	FG	292	-	277	77	-
	FG (P)	292	-	277	77	-
	FG (M+)	331	-	300	77	-
	FG (LCL)	214	-	170	39	-
Average (All Species)	FG LCL as Single Layer *	N/A	N/A	N/A	544	N/A
	FG Cumulative (Using M)	292	292	569	646	-
	Leader Height (cm)	-	-	27	13	-
	Height (cm)	2,427	-	220	116	-
	Age (yrs)	141	-	15	13	-
		Basal Area (m²/ha)	22.31	* For information purposes only. The values generated in these fields may not be valid if the stand were actually surveyed as a single layer, due to the inherent differences in survey procedures and stocking standards between multi-story and single layer stands, particularly minimum inter-tree spacing, minimum free growing heights, and layer-specific "M" values associated with "nesting".		
		Modal DBH (cm)	32.00			

Preferred & Acceptable Species	Description	Additional Free Growing Criteria				
		Layer 1	Layer 2	Layer 3	Layer 4	Vets
Fdi	Minimum FG Height (cm):	0	0	0	100	
	Conifer to Brush Ratio (%):	125	125	125	125	
Pli	Minimum FG Height (cm):	0	0	140	0	
	Conifer to Brush Ratio (%):	125	125	125	125	
Sx	Minimum FG Height (cm):	0	0	0	80	
	Conifer to Brush Ratio (%):	125	125	125	125	

Well Spaced Stems by Species (SPH)	Layer 1	Layer 2	Layer 3	Layer 4	Vets
Fdi (p)	315	-	138	354	-
Pli (p)	-	-	177	31	-
Sx (p)	8	-	8	23	-

Free Growing Stems by Species (SPH)	Layer 1	Layer 2	Layer 3	Layer 4	Vets
Fdi (p)	323	-	108	69	-
Pli (p)	-	-	185	-	-
Sx (p)	8	-	8	8	-

Estimated Total Stems by Species (SPH)	Layer 1	Layer 2	Layer 3	Layer 4	Vets
Fdi (p)	331	23	390	1,755	-
Pli (p)	-	-	619	563	-
Sx (p)	-	-	92	265	-
At	23	-	-	66	-
Ep	-	-	-	66	-

Forest Health Information						
Damage Code	Damage Levels	Layer 1	Layer 2	Layer 3	Layer 4	Vets
DSG (Host: Pli)	Dead Trees Affected / Ha (SPH)	-	-	8	-	-
	Live Trees Affected / Ha (SPH)	-	-	54	8	-
	% Total Trees Affected	0.0	0.0	5.6	0.3	0.0
	% Conifers Affected	0.0	0.0	6.9	0.3	0.0
	% Live Trees Affected	0.0	0.0	4.9	0.3	0.0
	% Host Trees Affected	0.0	0.0	9.9	1.4	0.0
TL	Dead Trees Affected / Ha (SPH)	-	-	-	-	-
	Live Trees Affected / Ha (SPH)	-	-	23	8	-
	% Total Trees Affected	0.0	0.0	2.1	0.3	0.0
	% Conifers Affected	0.0	0.0	2.6	0.3	0.0

	% Live Trees Affected	0.0	0.0	2.1	0.3	0.0
	% Host Trees Affected	0.0	0.0	5.9	0.4	0.0
NY	Dead Trees Affected / Ha (SPH)	-	-	-	-	-
	Live Trees Affected / Ha (SPH)	-	-	15	-	-
	% Total Trees Affected	0.0	0.0	1.4	0.0	0.0
	% Conifers Affected	0.0	0.0	1.7	0.0	0.0
	% Live Trees Affected	0.0	0.0	1.4	0.0	0.0
	% Host Trees Affected	0.0	0.0	1.5	0.0	0.0
IWP (Host: Pli)	Dead Trees Affected / Ha (SPH)	-	-	-	-	-
	Live Trees Affected / Ha (SPH)	-	-	8	-	-
	% Total Trees Affected	0.0	0.0	0.7	0.0	0.0
	% Conifers Affected	0.0	0.0	0.9	0.0	0.0
	% Live Trees Affected	0.0	0.0	0.7	0.0	0.0
	% Host Trees Affected	0.0	0.0	1.3	0.0	0.0
AD	Dead Trees Affected / Ha (SPH)	-	-	-	-	-
	Live Trees Affected / Ha (SPH)	-	-	8	-	-
	% Total Trees Affected	0.0	0.0	0.7	0.0	0.0
	% Conifers Affected	0.0	0.0	0.9	0.0	0.0
	% Live Trees Affected	0.0	0.0	0.7	0.0	0.0
	% Host Trees Affected	0.0	0.0	1.3	0.0	0.0

Vegetation / Brush Competition Summary						
Brush Species	Distribution & Height	Layer 1	Layer 2	Layer 3	Layer 4	Vets
Amel aln	Percent Cover (%)	-	-	-	2	-
	Average Height (m)	0.00	0.00	0.00	0.97	0.00
Sali spp	Percent Cover (%)	-	-	-	-	-
	Average Height (m)	0.00	0.00	0.00	1.80	0.00
Rubu par	Percent Cover (%)	-	-	-	1	-
	Average Height (m)	0.00	0.00	0.00	0.78	0.00
alnu vir	Percent Cover (%)	-	-	-	5	-
	Average Height (m)	0.00	0.00	0.00	3.36	0.00
Shep can	Percent Cover (%)	-	-	-	2	-
	Average Height (m)	0.00	0.00	0.00	1.10	0.00
popu tre	Percent Cover (%)	-	-	-	1	-
	Average Height (m)	0.00	0.00	0.00	2.95	0.00
Rosa spp	Percent Cover (%)	-	-	-	-	-
	Average Height (m)	0.00	0.00	0.00	0.85	0.00
betu pap	Percent Cover (%)	-	-	-	-	-
	Average Height (m)	0.00	0.00	0.00	1.18	0.00
Acer gla	Percent Cover (%)	-	-	-	-	-
	Average Height (m)	0.00	0.00	0.00	2.00	0.00

Inventory and Silviculture Labels		
Layer 1	Inventory Label	Fdi100- 154 - 25.1 - 18/E - 15 - 354 (09)
	Silviculture Label (WS)	Fdi98 Sx2- 141 - 24.3 - 18/E - 292 (09)
	Silviculture Label (FG)	Fdi98 Sx2- 141 - 24.3 - 18/E - 292 (09)
Layer 2	Inventory Label	Fdi100- 60 - 10.0 - 18/E - 1 - 23 (09)
	Silviculture Label (WS)	Not enough information
	Silviculture Label (FG)	Not enough information
Layer 3	Inventory Label	Pli60 Fdi30 Sx10- 11/21 - 2.9/2.1 - 21/E - 4 - 1100 (09)
	Silviculture Label (WS)	Pli55 Fdi43 Sx2- 15 - 2.2 - 21/E - 300 (09)
	Silviculture Label (FG)	Pli62 Fdi35 Sx3- 15 - 2.2 - 21/E - 277 (09)
Layer 4	Inventory Label	Fdi70 Pli20 Sx10- 10/6 - 0.7/1.0 - 18/E - 2 - 2715 (09)
	Silviculture Label (WS)	Fdi87 Pli8 Sx5- 13 - 1.2 - 18/E - 362 (09)
	Silviculture Label (FG)	Fdi90 Sx10- 13 - 1.2 - 18/E - 77 (09)

Comments
Stratum A occupies all of SU 1. It is a multi-storied stand. Douglas-fir is the leading species in all layers except for layer 3 which is dominated by pine. There are thick patches of alder which reduce the number of free growing stems per hectare. The stand structure varies considerably throughout with small clearcut pockets scattered throughout. Other areas are totally dominated by layer one fir. Small rock outcrops are present on the ridges within the block. The remaining basal area is 22.3 m2/ha with a modal diameter of 32 cm. Stratum A is stocked with 954 total well-spaced stems per hectare. Stratum A is free growing with 569 free growing stems per hectare, cumulative to layer 3.

Recommendations
Declare stratum A (all of SU 1) free growing.

Qualified Forest Professional's Statement	
<p>I certify that, to the best of my knowledge, this stratum has been surveyed in accordance with the signed contract between the Contractor and BCTS, and unless otherwise stated, the survey has been conducted according to the approved stocking standards in the Silviculture Prescription, PHSP, Site Plan, Forest Development Plan, or Forest Stewardship Plan, including all applicable amendments to those documents, and that the data and recommendations contained in this report are accurate and appropriate for the site conditions.</p> <div>☒ This stratum meets the Stocking Standards in the Prescription (This is NOT a Regen or Free Growing Declaration - the formal declaration to the District Manager will be submitted by BCTS)</div> <div>☐ This stratum does not meet the Stocking Standards in the Prescription</div> <div>Signature: _____Date: _____</div>	<div>Affix Professional Seal Here</div>

Stratum: A