BCTS
BC Timber Sales
Cariboo-Chilcotin

Silviculture Survey Summary

Stratum:	A	Stocking Status:	FG Imm Art

Project:	SU10TLFxxx	**Unit #:**	Unit E3	**Gross area:**	7.8
Block:	A55339 - 1	**Field Start:**	2009-07-02	**Survey area:**	7.8
Opening:	093A023-075	**Field Finish:**	2009-07-02	**# of Plots:**	8
Contractor:	Doe Contracting			**Plot multiplier:**	200
Surveyors:	John Doe, Jane Doe (AA1997zzz, AA2000yyy)				

Stocking Standards:		Stratum Information:		Survey Results:	
Target (TSS):	1200	**BioGeo Label:**	SBPSmk 01(90) 06(10)	**Total Trees (SPH):**	10425
Min (MSSpa):	700	**Low Elevation (m):**	800	**Total Conifers (SPH):**	3475
Min (MSSp):	0	**High Elevation (m):**	800	**Count Conifers (SPH):**	0
Pref species:	Fdi,Pli,Sx	**Latitude:**	52.14	**Germinants (SPH):**	120
Acc species:		**Longitude:**	121.33	**Plantable Spots (SPH):**	0
Max Density:	10000	**Soil texture:**	SiCL	**Preparable Spots (SPH):**	0
Regen Delay:	2004-01-10	**Soil CFC:**	20	**Green-up (SPH):**	0
Early FG Date:	2009-01-10	**Slope:**	5	**Green-up Height (cm):**	0
Late FG Date:	2012-01-10	**Aspect:**	Flat	**Basal Area (m^2/Ha):**	0
Contract Spc (m):	3.10	**History:**	L97, P97 + 00	**Average DBH (cm):**	0
Min Spacing (m):	2.00				

Additional Free Growing Criteria

Preferred & Acceptable Species	Minimum FG Height (cm)	Conifer to Brush Ratio (%)	Specify FG Standards Used:
Fdi	100	150	☑ SP Standards ☐ Other (Specify in Comments) ☐ Interim FG Guidelines (Quadrant Method) ☐ Modified FG Survey Criteria within SBPSxc and IDF dk4 Subzones of the Williams Lake TSA
Pli	160	150	
Sx	80	150	

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Inventory and Silviculture Labels

Inventory Label:	At60 Pli30 Sx10- 12/11 - 1.6/2.1 - 20/E - 18 - 10425 (09)
Silviculture Label (WS):	Pli73 Sx27- 12 - 2.2 - 18/E - 1200 (09)
Silviculture Label (FG):	Pli71 Sx29- 12 - 2.2 - 18/E - 875 (09)

Stocking Levels (SPH)

WS	WS (P)	WS (M+)	WS (LCL)	FG	FG (P)	FG (M+)	FG (LCL)
1200	1200	1200	1200	875	875	875	716

Well Spaced / Free Growing Information by Species

Species	WS SPH	WS %	FTG SPH	FTG %	Ldr Ht (cm)	Silv Ht (cm)	Silv Age
Pli (p)	875	72.9	625	71.4	38	229	12
Sx (p)	325	27.1	250	28.6	27	205	14
Summary:	***1200***	***100***	***875***	***100***			

Estimated Inventory Information by Species (SPH)

Species	TS SPH	TS %	Inv Ht (cm)	Inv Age
At	5929	56.9	163	12
Pli (p)	2932	28.1	210	11
Sx (p)	1564	15.0	150	11
Summary:	***10425***	***100***	***174***	***11***

Vegetation / Brush Competition Summary

Latin / Scientific Name	Common Name	% Cover	Average Height (m)
Amel aln	Saskatoon	1	0.6
popu tre	aspen	8	1.63
Sali spp	willow	1	0.6

Forest Health Information

Damage Code & Host Species	Damage Agent Name	Live trees affected (sph)	Dead trees affected (sph)	% Total Trees Affected	% Conifers Affected	% Host Trees Affected
DSG (Host: Pli)	Western gall rust	100	0	1.0	2.9	3.4

Comments

Stratum A is the portion of the block which is dominated by aspen.
The severity of the aspen varies considerably throughout the stratum.
There are small pockets which are not free growing due to overtopping aspen but the majority of the stratum is free growing.
Aspen residuals are patchy throughout, and the SP needs to be amended to consider aspen reserves "non-deleterious" (Ghost Tree Rule).
DSG is the main damaging agent present affecting the pine.
The stratum was planted with a mix of pine and spruce - mainly pine.
The aspen is not suppressing the conifer growth within the stratum.
Stratum A is very well stocked with 1200 wsa stems per hectare.
Stratum A is free growing with 875 FG stems per hectare. LCL = 716.

Recommendations

Amend the SP to make aspen greater than 12.5 cm in diameter non-deleterious to free growing (Ghost Tree Rule). Declare stratum A free growing.

Qualified Forest Professional's Statement

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.

Affix Professional Seal Here

☑ *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)*

☐ *This stratum does not meet the Stocking Standards in the Prescription*

SPECIMEN

Signature: John Doe, RPF # xxyy Date: 2009-07-06

Stratum: A