

July 6, 2015

Jonathan Fane, RPF VP Forestry & Engineering Husby Forest Products Ltd. 6425 River Road Delta, BC V4K 5B9

BY E-MAIL

Dear Jonathan:

On July 3, 2015, a check cruise was conducted on A16869, CP216, Block COL778 by Sean Muise and Aline Lachapelle from the Haida Gwaii District, and was also attended by Derek Drake of Tecfor as per your request.

The check cruise indicated that, within the plots visited which were completed by Abacus Forest Management Ltd. (plots 2, 3, 4, 5, 8 and 32), the standards of the *Timber Pricing Branch Cruising Manual* (2014) have not been fully met. Two checked plots were noted to contain a tree tallied as Tree Class 3 (dead potential) by the cruiser that was assessed during the check as being less than 50% sound (dead useless), and therefore should not have been tallied. Plot 32, tree 3 was referenced on the cruise cards as being "55%", but no further rationale on how this was calculated was provided.

Two tree tally changes in 27 checked trees exceeds the allowable error of 1 tree tally change in 50 checked trees, as stated in Table 3-2 of the *Timber Pricing Branch Cruising Manual* (2014). Therefore, a recruise of those plots in this block which were completed by Abacus Forest Management Ltd. must be completed to verify that all cedar trees tallied as Tree Class 3 in the original cruise have been assigned the proper Tree Class. These include all count plots completed by Abacus which contained cedar, plus the following measure plots: 1, 5, 7, 23, and 30.

The plots in this block completed by Kerley and Associates that were checked (plots 12 & 13) indicated that, within the plots visited, the Standards of the *Timber Pricing Branch Cruising Manual* (2014) have been met – no recruise work is required in plots 10-19.

The check cruise summary attached to this letter details the cruise attributes measured during the check, and several photos are included below to document the two trees assessed as less than 50% sound.

If you have any questions regarding this check cruise, please contact me at (250) 559-6258 or by e-mail at Aline.Lachapelle@gov.bc.ca.

Yours truly,

Aline Lachapelle, RPF Cruise and Waste Forester Haida Gwaii Natural Resource District

Cc: Sean Muise, RPF, Revenue Forester, Haida Gwaii District

Attached: 4 Photos, Check Cruise Summary









				iise Sumi	mary	for CP2	16check.ckf				
Client:			st Products								
License:	A16869		ng Permit:	216	_	Cruiser:			sistant:		
Cruising Agency:	Abacus / Ker				_	Checker:	Aline Lacha	pelle As	sistant:	Sear	Muise
Date of Original:			nal # of plots:	44			lot Spacing:	-			
Date of Check:	July 3 2015	Chec	k # of plots: 18.18%	8			t Spacing:				
Percent of Original Location:	Collise	00		Net Cruis	e Are	a (na):	30.1				
Location.	Coms	on co	Changes	% E	iff	P/F	Original	Check	MO	F	Compan
	Tree	Tally	2	7.4		F	Original	27	1in5		1in100
	DU/LU	-	1	0.0		AP		0	1in5		1in50
	Species Mi		1	3.7		AP		-	1in5	_	1in100
	Height		- '	1.3	_	AP	24.25	24.27	AAV :	_	AAV 3%
	DBH			0.3		AP	86.86	86.95	AAV:		AAV 1%
		1				AP	80.80	80.95			
	# of DBHs		0	0.0					109	6	5%
		nsect	0	0.0		\vdash					
	Blow		0	0.0	_						
		Fire	0	0.0							
D	amage (Appra	,	0	0.0	_	AP			5%)	3%
	Paths Mi		1	7.1				14			
	sk Group Cha		0	0.0	00	AP			109	6	3%
M	at. Class Cha	nges	1	3.7	70	Р			5%)	2%
SI	opes (slope 9	6 dif)		0.6	3	AP	7.13	6.50	5%)	1%
	# of Slopes	>5%	0	0.0	00				109	6	5%
	Plot Establish	ment	0	0.0	00	AP		Plots:8	0%)	0%
	Path Indic	ators	1	3.7	70	Р		27	109	6	Coast
	Quality Indic	ators	0	0.0	00	Р		27	109	6	Coast
	Trees per He	ctare		0.0	00	Р	0.0	0.0	5%)	Coast
	Volume	/HA		6.4	18	Р	627.11	588.94	129	6	CGNF
	Value			15.8		P	53156.00	45873.4			CGNF
0	Bross Volume			0.0			0.00	0.00	209		CGNF
	Basal Area			8.6		F	78.25	72.00	5%		CGNF
	Volume			2.1		P	7.52	7.69	159		CGNF
	Value			9.4		P	652.41	595.87	209		CGNF

Value BAR 9.49 P 652.41 595.87 20% CGNF
Two trees called TC3 (Dead potential) by cruiser but assessed as Dead Useless (TC4) during check cruise.

(Plot 5 tree 1 and Plot 32 Tree 3). As per c) under Table 3-2 in section 3.4 of the Cruising Manual, these incorrectly identified trees are considered an incorrect tree count. See photos. Plot 32 Tree 3 was just a hollow shell with punky, splintered base, and Plot 5 Tree 1 was a broken, hollow topped tree that was bored to reveal wet, rotten wood in the base.

			Check Cru	uise	Summar	y for CP2	216check.ckf				
Client:			st Products								
License:	A16869		ng Permit:	216		Cruiser:			sistant:		
Cruising Agency:	Abacus / Ke					Checker:	Aline Lachar	pelle Ass	sistant:	Sean	Muise
Date of Original:				44			lot Spacing:				
Date of Check:	July 3 2015	Chec		8			t Spacing:				
Percent of Originals	Checked:	00	18.18%	Net	Cruise Ar	ea (ha):	30.1				
Location:	Collis	on CO	Changes	. 1	% Diff	P/F	Original	Check	I MC	F	Company
	Tree	Tally	2	' +	7.41	F	Original	27	1ins	-	1in100
	DU/LU		1	\rightarrow	0.00	AP		0	1ins		1in50
	Species M		1	\dashv	3.70	AP			1ins		1in100
	Height		<u> </u>	\dashv	1.35	AP	24.25	24.27	AAV		AAV 3%
		(cm)		\neg	0.37	AP	86.86	86.95	AAV		AAV 1%
	# of DBHs			\neg	0.00				109	%	5%
	- 1	nsect	0	\neg	0.00						
	Blowl		0		0.00						
		Fire	0		0.00						
Da	mage (Appr	aisal)	0		0.00	AP			5%	0	3%
	Paths M		1		7.14			14			
	k Group Cha				0.00	AP			109		3%
Ma	t. Class Cha	nges	1		3.70	Р			5%		2%
Slo	ppes (slope s	% dif)			0.63	AP	7.13	6.50	5%	, 0	1%
	# of Slopes		0		0.00				109		5%
P	Plot Establish		0		0.00	AP		Plots:8	0%		0%
	Path Indic		1		3.70	Р		27	109		Coast
	Quality Indic		0		0.00	Р		27	109		Coast
_	rees per He				0.00	Р	0.0	0.0	5%		Coast
	Volume				6.48	Р	627.11	588.94	129		CGNF
	Value				15.88	Р	53156.00	45873.45			CGNF
G	ross Volume			\perp	0.00		0.00	0.00	209		CGNF
	Basal Area				8.68	F	78.25	72.00	5%		CGNF
	Volume			-1	2.18	Р	7.52	7.69	159		CGNF
	Value	BAR		$\neg \top$	9.49	Р	652.41	595.87	209	%	CGNF

Two trees called TC3 (Dead potential) by cruiser but assessed as Dead Useless (TC4) during check cruise. (Plot 5 tree 1 and Plot 32 Tree 3). As per c) under Table 3-2 in section 3.4 of the Cruising Manual, these incorrectly identified trees are considered an incorrect tree count. See photos. Plot 32 Tree 3 was just a hollow shell with punky, splintered base, and Plot 5 Tree 1 was a broken, hollow topped tree that was bored to reveal wet, rotten wood in the base.

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1 25.0 C 126.5 2 4 3 3 2 2 2 3 4 M 10.55 0 C M L 1 1.5.5 m to top of dead. 23.9m to top of green. Date: 7/3/2015 Cruiser: Aline LACHAPELLE, RPF, 4919
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