



Province of
British Columbia

Ministry of
Forests

Vancouver Forest Region
2100 Labieux Rd.
Nanaimo, British Columbia
V9T 6E9
Tel: 751-7001 Fax: 751-7190



File: 19700-20/TFL 47

August 23, 1995

F.T. Leslie, R.P.F.
Administrative Forester
TimberWest Forest Limited
2300 - 1055 West Georgia Street
Vancouver, British Columbia
V6E 3P3

Dear F. Leslie:

The operability mapping for Blocks 1, 2, 3 and 17 of Tree Farm Licence (TFL) 47 has been reviewed and is approved for the purpose of the TFL timber supply analysis.

Yours truly,

Tim R. Sheldon, Reg. Operations Mgr.
for and on behalf of Ken A. Collingwood,
Reg. Mgr.

Ken Collingwood
Regional Manager



CC M. LISA

TimberWest Forest Limited
Beaver Cove/North Island Region

PO Bag 9000
Port McNeill, British Columbia
Canada V0N 2R0

Phone 604.928.3023
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March 21, 1995

Ministry of Forests
Box 7000
Port McNeill, BC
V0N 2R0

Attn: W. L. McMullan, R.P.F. - R.O. Timber

Dear Sir:

Re: *Twenty Year Plan for Block 17 of T.F.L. 47 (Bonanza Lake)*

Enclosed is a set of 1:20000 maps depicting the proposed Twenty Year Plan for Block 17 of T.F.L. 47 (Bonanza Lake) covering the 1994 to 2013 period. This submission proposes a cut level of 209,000 m³ per year over the term of the plan. This submission is consistent with the Terms of Reference for this plan which were submitted on 26 May 1994 and the proposed Forest Ecosystem Network (FEN) which is being submitted under a separate letter.

The proposed cutblocks have been colour coded by five year period. Selective harvesting areas are hatched in the colour of the proposed five year period of harvest. Inoperable areas are shown in grey. The timber which is currently sixty years or older and not proposed for harvesting during this time frame is shown in light green.

Also attached is the area/volume summary for the proposed cutblocks. This also shows the planned harvest method.

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The timeframe for inclusion of this information into the Management and Working Plan for T.F.L. 47 is very tight, so your timely review would be appreciated. I will contact you shortly to see if a meeting to review this submission is required.

Yours truly,
TimberWest Forest Limited

Gary Lawson, R.P.F.
Operations Engineer
Beaver Cove Division

cc: Dave Alger - MOE
Frank Voysey - DFO
Frank Leslie - TFL
Don McMullan - TFL
Gerry Young - TFL

Encl
/sb

BEAVER COVE
20 YEAR PLAN
PERIOD#1 1994 - 1998

YEAR CUT BLOCK CRUISE TYPE STAND # STAND DESC. VOL./HA AREA TOTAL VOL. METHOD

1994	209	W					14600	GY
	16-4C	W					16800	GY
	255K-1	W					16900	GY
	257-16A	W					500	GY
	257-16B	W					500	GY
	257-17	W					5900	GY
	257-6	W					30700	GY
	42-4A	W					10800	GY
	42-4B	W					8800	GY
	42-5	W					13200	GY
	111B-8	W					15000	GY
	256-8	W					48300	GY
	HELI-1	W					16500	H
	HELI-2	W					10500	H
							209000	

1995	42-5	C			706.3	46.3	32700	GY
	111B-8	C			769.0	38.1	29300	GY
	HELI-1	C			920.6	21.4	19700	H
	HELI-2	C			857.1	1.4	1200	H
	HELI-3	C			683.3	6.0	4100	H
	IDA-2	C				4.7	1200	S
	5Km	C				18.1	1000	S
	45-3	C			620.9	33.5	20800	GY
	45-4	C			583.3	2.4	1400	GY
	4-2	C			535.5	39.4	21100	GY/H
	72-1	C			716.8	22.6	16200	GY
	72-3	C			763.8	12.7	9700	GY
	72-4	C			833.3	12.0	10000	GY
	154A-4	C			967.7	6.2	6000	GY
	210	C			674.4	4.3	2900	GY
	71-2	C			767.6	41.3	31700	GY
					673.3	310.4	209000	

1996	HELI-1	C			923.8	10.5	9700	H
	HELI-4	C			927.8	9.7	9000	H
	HELI-5	C			940.3	6.7	6300	H
	72-4	C			829.9	28.8	23900	GY
	210	C			668.7	33.2	22200	GY
	35-5	C			786.4	44.0	34600	GY
	229-1	C			719.3	39.9	28700	GY
	111B-10	C			808.7	23.0	18600	GY
	21-1	I				10.0	2000	S
	29-2	I	128	B H 6+	1044.9	37.2	38870	GY
	29-5	I	111	H B 6+	924.5	16.4	15162	GY
					805.8	259.4	209032	

1997	HELI-5	C			949.2	5.9	5600	H
	29-5	I	111	H B 6+	924.5	20.7	19137	GY
	72-6	I	137	Y H 2-4	365.3	40.0	14612	GY
	HELI-6	I	115	H B 6+	767.6	13.9	10670	H
	229B	I	115	H B 6+	767.6	40.0	30704	GY
	4-4	I	112	H B 6+	867.4	24.2	20991	GY
	215-7	I	114	H B 6+	919.4	26.9	24732	GY
	215-9	I	107	H B 4-6	545.2	33.8	18428	GY
	25B-2	I	112	H B 6+	867.4	40.0	34696	GY
	16-10	I	121	H Y 6+	735.8	40.0	29432	GY/H
					732.3	285.4	209001	

1998	4-4	I	112	H B 6+	867.4	15.8	13705	GY
	16-11	I	144	F H 6+	970.2	40.0	38808	GY
	16-12	I	140	Y H 4-6	577.5	30.7	17729	GY
	10Km	I	101	H C 2-4	373.4	22.2	8289	GY
	108A-1	I	102	H C 4-6	507.5	32.4	16443	GY
	42-15	I	143	Y H 6+	738.2	40.0	29528	GY
	256C-2A	I	124	B H 6+	677.0	36.6	24778	GY/H
	27-1	I	111	H B 6+	924.5	31.6	29214	GY
	257-15	I	113	H B 6+	814.2	37.5	30533	GY
					728.8	286.8	209028	

CRUISE TYPE

W: WATERED
C: CRUISED
I: INVENTORY

YARDING METHOD

GY: GRAPPLE YARDER
HELI: HELICOPTER
S: SELECTIVE

PERIOD#2 1999 - 2003

YEAR	CUT BLOCK	CRUISE TYPE	STAND #	STAND DESC.	VOL./HA	AREA	TOTAL VOL.	METHOD
1999	81-6	I	126	B H 6+	999.6	35.7	35686	GY
	95-5	I	143	Y H 6+	738.2	40.0	29528	GY/H
	42B-1B	I	126	B H 6+	999.6	27.2	27189	GY
	257-15	I	113	H B 6+	814.2	37.5	30533	GY
	108A-1	I	102	H C 4-6	507.5	7.6	3857	GY
	35-9	I	142	Y H 6+	706.0	37.1	26193	GY/H
	35-8	I	128	B H 6+	1044.9	38.9	40647	GY/H
	66B-3A	I	110	H B 6+	923.9	16.7	15429	GY
					868.6	240.7	209061	
2000	42-11	I	140	Y H 4-6	577.5	30.6	17672	GY
	45-5	I	123	H Y 6+	828.1	29.2	24181	GY/H
	45-11	I	116	H Y 2-4	321.9	30.9	9947	GY/H
	35-1	I	112	H B 6+	867.4	27.7	24027	GY
	35-H2	I	124	B H 6+	677.0	38.4	25997	GY/H
	35-6	I	143	Y H 6+	738.2	30.1	22220	GY
	66B-3A	I	110	H B 6+	923.9	23.3	21527	GY
	65-3	I	122	H Y 6+	772.3	40.0	30892	GY
	68-3	I	143	Y H 6+	738.2	40.0	29528	GY
	25B-6	I	112	H B 6+	867.4	3.5	3036	GY
					711.7	293.7	209025	
	2001	81-8	I	111	H B 6+	924.5	29.9	27643
42-7		I	107	H B 4-6	545.2	37.3	20336	H
35-4		I	135	Y H 2-4	327.7	36.4	11928	GY
35-14		I	142	Y H 6+	706.0	36.5	25769	GY
25B-6		I	112	H B 6+	867.4	15.7	13618	GY
122H-2		I	112	H B 6+	867.4	35.1	30446	GY
122H-4		I	119	H Y 4-6	567.6	29.5	16744	GY
4G-1		I	108	H B 4-6	607.6	27.2	16527	GY
257-18		I	127	B H 6+	1017.8	32.0	32570	GY
73-1		I	114	H B 6+	919.4	14.6	13423	GY
					710.4	294.2	209003	
2002		73-1	I	114	H B 6+	919.4	15.9	14618
	122H-5	I	121	H Y 6+	735.8	36.5	26857	GY
	95-7	I	102	H C 4-6	507.5	40.0	20300	GY
	204-3	I	112	H B 6+	867.4	40.0	34696	GY
	256-9	I	124	B H 6+	677.0	40.0	27080	GY/H
	256P-1	I	118	H Y 4-6	506.6	33.3	16870	GY/H
	222-1	I	112	H B 6+	867.4	40.0	34696	GY
	229R-2	I	113	H B 6+	814.2	34.4	28008	GY
	48B	I	110	H B 6+	923.9	6.4	5913	GY
					729.6	286.5	209038	
2003	48B	I	110	H B 6+	923.9	33.6	31043	GY
	72-13	I	107	H B 4-6	545.2	37.1	20227	GY
	EM-15	I	112	H B 6+	867.4	39.9	34609	GY
	229R-1	I	107	H B 4-6	545.2	39.6	21590	GY/H
	223-1	I	125	B H 6+	889.4	39.3	34953	GY/H
	130-9	I	121	H Y 6+	735.8	38.5	28328	GY
	15-1	I				14.5	1700	S
	ACCESS-2	I				32.9	3900	S
	25B-10	I	126	B H 6+	999.6	40.0	39984	GY
					948.8	228.0	216335	

CRUISE TYPE

W: WATERED
C: CRUISED
I: INVENTORY

YARDING METHOD

GY: GRAPPLE YARDER
HELI: HELICOPTER
S: SELECTIVE

PERIOD#3 2004 - 2008

YEAR	CUT BLOCK	CRUISE TYPE	STAND #	STAND DESC.	VOL./HA	AREA	TOTAL VOL.	METHOD
2004	257-9	I	127	B H 6+	1017.8	39.2	39898	GY/H
	257-10	I	113	H B 6+	814.2	39.9	32487	GY/H
	130-9	I	121	H Y 6+	735.8	38.5	28328	GY
	72-10	I	119	H Y 4-6	567.6	38.4	21796	GY
	65C-2A	I	141	Y H 4-6	577.6	24.0	13862	GY
	60-1A	I	119	H Y 4-6	567.6	38.5	21853	GY
	4-5	I	139	Y H 4-6	541.1	40.0	21644	GY
	25B-20	I	105	H C 6+	743.5	33.7	25056	GY/H
	15-2	I				13.7	2700	S
	MR-5	I	110	H B 6+	923.9	1.5	1386	GY
				679.9	307.4	209009		
2005	MR-5	I	110	H B 6+	923.9	29.9	27625	GY/H
	122H-7	I	109	H B 6+	912.0	33.3	30370	GY
	111B-11	I	119	H Y 4-6	567.6	35.9	20377	GY
	72-2	I	108	H B 4-6	607.6	40.0	24304	GY
	72-17	I	119	H Y 4-6	567.6	29.7	16858	GY
	72-9	I	122	H Y 6+	772.3	40.0	30892	GY
	81C-1	I				40.0	4800	S
	27-4	I	111	H B 6+	924.5	21.5	19877	GY/H
	26-6	I	108	H B 4-6	607.6	40.0	24304	GY/H
	42-4D	I	141	Y H 4-6	577.6	16.7	9646	GY
					639.3	327.0	209051	
2006	42-4D	I	141	Y H 4-6	577.6	21.1	12187	GY
	29-6	I	128	B H 6+	1044.9	28.5	29780	GY
	29-3	I	114	H B 6+	919.4	18.0	16549	GY
	81-12	I	143	Y H 6+	738.2	30.8	22737	H
	35-20	I	108	H B 4-6	607.6	19.8	12030	GY
	210A-1	I	112	H B 6+	867.4	30.2	26195	GY
	210A-2	I	140	Y H 4-6	577.5	38.2	22061	GY
	35-18	I	140	Y H 4-6	577.5	34.2	19751	GY
	215-4	I	143	Y H 6+	738.2	40.0	29528	GY
	210-1	I	105	Y H 4-6	577.5	24.5	18216	GY
					732.7	285.3	209033	
2007	210-1	I	105	H C 6+	743.5	7.3	5428	GY
	229D	I	143	Y H 6+	738.2	37.7	27830	GY/H
	25B-3	I	127	B H 6+	1017.8	20.3	20661	GY
	215-5	I	112	H B 6+	867.4	27.6	23940	GY
	EM-21	I	142	Y H 6+	706.0	30.0	21180	GY
	EM-18	I	143	Y H 6+	738.2	34.4	25394	GY
	220D-1	I	113	H B 6+	814.2	39.7	32324	GY
	EM-11	I	108	H B 4-6	607.6	40.0	24304	H
	104S	I	105	H C 6+	297.4	40.0	11896	H
	154-1	I	107	H B 4-6	684.1	17.2	11767	GY
	EM-10	I	107	H B 4-6	545.2	8.0	4362	H
				691.9	302.2	209085		
2008	25B-3	I	127	B H 6+	1017.8	19.7	20051	GY
	256P-2	I	124	B H 6+	677.0	38.4	25997	GY
	72-5	I	108	H B 4-6	607.6	40.0	24304	GY
	9Km	I	102	H C 4-6	507.5	26.1	13246	GY
	16-17	I	140	Y H 4-6	577.5	34.4	19866	GY/H
	16-16	I	140	Y H 4-6	577.5	25.3	14611	H
	16-14	I	114	H B 6+	919.4	25.1	23077	GY/H
	104C-1	I	107	H B 4-6	545.2	28.8	15702	GY
	4F-1	I	108	H B 4-6	607.6	18.9	11484	GY
	66B-3C	I	110	H B 6+	923.9	38.5	35570	GY
	81K-1	I	111	H B 6+	924.5	24.7	22835	H
					708.8	319.9	226742	

CRUISE TYPE

W: WATERED
C: CRUISED
I: INVENTORY

YARDING METHOD

GY: GRAPPLE YARDER
HELI: HELICOPTER
S: SELECTIVE

PERIOD#4 2009 - 2013

YEAR CUT BLOCK CRUISE TYPE STAND # STAND DESC. VOL./HA AREA TOTAL VOL. METHOD

2009	257-7	I	125	B H 6+	889.4	37.5	33353	GY
	257-8	I	125	B H 6+	889.4	40.0	35576	GY
	256M-1	I	125	B H 6+	889.4	40.0	35576	GY/H
	256-10	I	124	B H 6+	677.0	11.6	7853	GY
	256M-2	I	108	H B 4-6	607.6	36.4	22117	GY/H
	15-3	I			200.0	9.7	1940	S
	16-4D	I	125	B H 6+	889.4	33.8	30062	GY
	EM-20	I	113	H B 6+	814.2	40.0	32568	GY
	95-6	I	143	Y H 6+	738.2	9.8	7234	GY
	81K-1	I	111	H B 6+	924.5	3.0	2774	GY
					798.5	261.8	209052	

2010	95-6	I	143	Y H 6+	738.2	14.1	10409	GY
	81K-1	I	111	H B 6+	924.5	21.7	20062	GY
	27-2	I	111	H B 6+	924.5	9.6	8875	GY
	42-6	I	140	Y H 4-6	577.5	16.1	9298	H
	45-7	I	142	Y H 6+	706.0	40.0	28240	GY
	104C-2	I	107	H B 4-6	744.1	29.6	22025	GY
	81-12	I	143	Y H 6+	738.2	30.8	22737	GY/H
	MR-1	I			120.0	21.3	2556	S
	35-11	I	142	Y H 6+	706.0	36.2	25557	GY/H
	48C	I	126	B H 6+	999.6	35.7	35686	GY
	48A	I	110	H B 6+	923.9	25.5	23559	GY/H
					744.8	280.6	209004	

2011	48A	I	110	H B 6+	923.9	14.5	13397	GY/H
	70-1	I	110	H B 6+	923.9	37.2	34369	GY
	229-3	I	125	B H 6+	889.4	36.8	32730	GY
	229R-3	I	125	B H 6+	889.4	26.3	23391	GY
	122H-1	I	119	H Y 4-6	567.6	40.0	22704	GY
	111B-15	I	109	H B 6+	912.0	13.7	12494	GY
	35-15	I	142	Y H 6+	706.0	39.1	27605	GY
	4K-1	I	107	H B 4-6	696.1	32.2	22414	GY
	81-9	I	123	H Y 6+	828.1	17.8	14740	GY/H
	80-1	I			120.0	43.3	5196	S
					694.7	300.9	209040	

2012	35-3	I	121	H Y 6+	735.8	40.0	29432	GY
	111B-15	I	109	H B 6+	912.0	14.3	13042	GY
	257L-1	I	113	H B 6+	814.2	29.9	24345	GY
	122H-6	I	143	Y H 6+	738.2	34.0	25099	GY
	72-7	I	108	H B 4-6	607.6	40.0	24304	GY
	111B-17	I	112	H B 6+	867.4	21.7	18823	GY/H
	215-8	I	107	H B 4-6	545.2	24.7	13466	GY
	223-2	I	113	H B 6+	814.2	38.9	31672	GY/H
	229H-1	I	115	H B 6+	767.6	27.6	21186	GY/H
	104E-1	I	107	H B 4-6	744.1	16.9	12575	GY
					742.9	288.0	213943	

2013	95-10	I	145	C H 6+	927.8	40.0	37112	GY
	256P-3	I	124	B H 6+	677.0	30.1	20378	GY
	25B-14	I	126	B H 6+	999.6	38.8	38784	GY/H
	95-8	I	145	C H 6+	927.8	35.2	32659	GY
	95-9	I	119	H Y 4-6	567.6	36.3	20604	GY/H
	60-13	I	110	H B 6+	923.9	23.3	21527	GY/H
	MR-H	I	119	H Y 4-6	567.6	31.8	18050	GY/H
	204-4	I	107	H B 4-6	545.2	40.0	21808	GY
					765.6	275.5	210921	

CRUISE TYPE

W: WATERED
C: CRUISED
I: INVENTORY

YARDING METHOD

GY: GRAPPLE YARDER
HELI: HELICOPTER
S: SELECTIVE