

Planning Unit 085064/CTLA140002

Forest Harvest Plan

1. Introduction

This integrated Forest Harvest Plan (FHP) for fire damaged stands within Planning Unit 085064/CTLA140002 includes maps and reports that clearly show and document the planned harvest area boundaries, roads and water crossings within the planning unit.

This plan is being submitted for appraisal, for a 5-year FHP approval under the 2016-17 Alberta-Pacific Forest Industries Inc. (Alberta-Pacific) and Northland Forest Products Ltd. (Northland) respective Annual Operating Plans (AOPs).

This plan has been developed following the objectives outlined in the Horse River Fire salvage plan submitted August 9, 2016.

This FHP has been discussed with Alberta Agriculture and Forestry (AAF).

2. Planning Unit Specific Comments

This harvest area is located south of Anzac.

The planning unit is located in Forest Management Unit (FMU) A14. Alberta-Pacific has rights to D as deciduous landbase and DC, CD and C as shared coniferous landbase.

Northland has rights to DC, CD and C as shared coniferous landbase.

Watershed

Gregoire River has been identified as fish bearing and as a navigable water way and will be buffered accordingly.

All unsurveyed channeled creeks have been buffered and crossed as though they were fish bearing.

Debris Management

All of the blocks in this submission are within FireSmart Community Zones as identified by AAF. The following debris management strategies apply for blocks within this planning unit:

Methods described in the Forest and Prairie Protection Act and Regulations.

Blocks within this planning unit will not utilize the retention of debris piles as a management strategy.

Stand Structure Summary

Proximal Retention (ha)	Proximal Retention %	Riparian Retention (ha)	Riparian Retention %	Block Total (ha)
14.8	2.4	0.4	0.1	609

3. Alberta-Pacific Block Information

Alberta-Pacific Deciduous First Entry Block Listing

(Values Affected by Rounding)

Source Id	Opening Num	Harv Season	Conif Charge	Detail Plan	Area (ha)	Decid (m3)	Conif (m3)	Inc Conif (m3)	Total (m3)
08505431231	4050853123	N			33	5,121	107	215	5,443
08506402321	4060850232	N			3	354	0	116	470
08506402421	4060850242	N			2	284	0	8	292
08506403521	4060850352	N			27	3,661	0	202	3,863
08506404221	4060850422	F			26	3,750	70	207	4,027
08506406511	4060850651	N			2	314	0	11	325
08506406671	4060850667	N			46	6,340	37	1,020	7,397
08506415851	4060851585	N			53	7,675	206	1,044	8,925
08506422461	4060852246	N			25	4,112	0	150	4,262
08506422741	4060852274	N			15	2,487	0	76	2,563
08506425821	4060852582	N			3	202	0	7	209
08506425961	4060852596	N			11	1,385	10	82	1,477
08506434221	4060853422	N			45	6,743	0	224	6,967
08506435141	4060853514	N			33	4,425	0	218	4,643
08506436461	4060853646	N			74	12,072	0	518	12,590
08506436821	4060853682	N			3	434	0	71	505
08606401421	4060860142	N			10	1,611	0	84	1,695
08607403231	4070860323	N			6	612	17	58	687
08607403431	4070860343	N			26	2,594	294	224	3,112
08607404811	4070860481	N			30	3,698	220	440	4,358
08607410951	4070861095	N			30	5,116	0	203	5,319
08607411611	4070861161	N			31	5,254	0	164	5,418
Total					534	78,244	961	5,342	84,547

Retention Area Listing
(Values Affected by Rounding)

Retention Id	Structure	Area (ha)	Decid (m3)	Conif (m3)	Inc Conif (m3)	Total (m3)
14259	Non-Proximal	2	0	0	0	0
22369	Proximal	4	0	0	0	0
22679	Proximal	6	0	0	0	0
31349	Proximal	5	0	0	0	0
Total		17	0	0	0	0

4. Access and Road Information

Landuse agreements will be in place prior to use of any third party dispositions being used.

Alberta Pacific Inter Block Roads and Crossings

Road No.	Class	Length (Km)	Construction Season	Crossing Location	Field Call	Navigability
01421	4S	0.54	Non-Frozen			
02321	4S	0.16	Non-Frozen			
02421	4S	0.55	Non-Frozen	0241	E	U
				0243	E	U
03231	4S	0.51	Non-Frozen	0323	E	U
03431	4S	0.31	Non-Frozen	0354	E	U
03521	4S	1.73	Non-Frozen			
04221	4W	1.72	Frozen	0432	SP	U
				0433	E	U
				0472	SP	U
04811	4S	0.91	Non-Frozen	0481	E	U
				0493	E	U
				0312	T	U
				0492	E	U
06671	4S	0.18	Non-Frozen			
10951	4S	1.52	Non-Frozen	1136	E	U
11611	4S	0.28	Non-Frozen	0267	E	U
15851	4S	2.96	Non-Frozen	1088	I	U
				1566	E	U
22461	4S	0.44	Non-Frozen			
22741	4S	0.34	Non-Frozen			
25821	4S	0.23	Non-Frozen			
25961	4S	0.74	Non-Frozen			
31231	4S	1.17	Non-Frozen			
34221	4S	1.10	Non-Frozen	2728	I	U
35141	4S	1.19	Non-Frozen	3493	E	U
36461	4S	2.45	Non-Frozen	3654	E	U
				3657	E	U
36821	4S	0.37	Non-Frozen			
Total Class 4W:		1.72				
Total Class 4S:		17.68				

In the above table, possible “Field Call” channelled watercourse classifications are ephemeral (E), intermittent (I), transitional (T), small permanent (SP), large permanent (LP), beaver pond (B), spring (S), saturated soils (SS) or no channelled watercourse (NW). The “Navigability” rating identifies channelled watercourse as being potentially navigable (N) or potentially unnavigable (U) based on the possibility of traveling the stream with a vessel. The “Field Call” channelled watercourse classifications in the above table are based on Table 1 of the OGRs at the time, and during the conditions, when layout was conducted.

5. Non Timber Values

Public Involvement

Once this plan is approved it will be available for viewing on the Alberta-Pacific website www.alpac.ca.

Aboriginal Consultation

Aboriginal Consultation for proposed fire salvage areas was completed on Aug 23, 2016.

No concerns have been identified so far.

Trappers

The holders of the following Registered Fur Management Areas (RFMA) have been contacted regarding harvesting activities within Planning Unit 085064/CTLA140002 (and their concerns have been noted below):

1694

1783

2013

2090

No concerns have been identified through the Trapper Consultation process to date.

Guides and Outfitters

The holders of the following permits within Wildlife Management Unit (WMU) 519 and 529 have been notified of Alberta-Pacific’s harvest plans within Planning Unit 085064 and their concerns have been noted below:

0026 - 0344 - 0429 - 0446 - 0483

0541 - 0709 - 0818 - 0858 - 0861

0923 - 1023 - 1124 - 1160

No concerns have been identified through the Guide and Outfitter Consultation process to date.

Forest Recreation Groups

Block 08607403431 is located adjacent to a trail that is part of the McMurray Sno Drifters trail system. McMurray Sno Drifters was consulted and there were no concerns.

Historical Resources

Known historical resource sites have been addressed during the design of this plan.

Forest Aesthetics

No concerns have been identified.

Land Use

As per a review of the Alberta Government's Digital Integrated Dispositions (DIDs) digital mapping program on July 4, 2016 and Alberta-Pacific's Land Use files from Evergreen Land Use Consulting on July 4, 2016, there are currently no dispositions within this planning unit that restrict harvesting timber.

Wildlife

This planning unit is within the Caribou Range. Operations will adhere to the Alberta-Pacific Caribou Protection Plan submitted annually in the fall.

No blocks or roads fall within the Wildlife and Biodiversity Zone, but a portion of the planning unit is within a key Wildlife and Biodiversity Zone. Operations will adhere to section 7.7.5 of the OGRs.

All known sensitive wildlife sites have been buffered according to section 7.7.6.2 of the OGRs. These buffers have been placed into RAs.

Access and Access Management

Existing access has been utilized where practical to minimize the clearing of new RoW.

6. Northland Block and Road Information

Northland Block Listing

(Values Affected by Rounding)

Source Id	Opening Num	Harv Season	Conif Charge	Detail Plan	Area (ha)	Decid (m3)	Conif (m3)	Inc Conif (m3)	Total (m3)
08506406594	4060850659	T			8	944	471	13	1,428
08506411284	4060851128	N			7	844	363	0	1,207

Northland Block Listing (Cont.)

(Values Affected by Rounding)

Source Id	Opening Num	Harv Season	Conif Charge	Detail Plan	Area (ha)	Decid (m3)	Conif (m3)	Inc Conif (m3)	Total (m3)
08506425774	4060852577	N			16	1,474	1,013	0	2,487
08506425864	4060852586	N			19	1,965	781	1	2,747
08506425934	4060852593	N			4	348	239	0	587
08607402634	4070860263	F			5	349	437	4	790
Total					60	5,924	3,304	18	9,246

Northland Inter Block Roads and Crossings

Road No.	Class	Length (Km)	Construction Season	Crossing Location	Field Call	Navigability
02634	4W	0.17	Frozen			
06594	4S	0.02	Non-Frozen			
25774	4S	1.02	Non-Frozen	2567	E	U
25864	4S	0.07	Non-Frozen			
25934	4S	0.10	Non-Frozen			
Total Class 4W:		0.17				
Total Class 4S		1.21				

In the above table, possible “Field Call” channelled watercourse classifications are ephemeral (E), intermittent (I), transitional (T), small permanent (SP), large permanent (LP), beaver pond (B), spring (S), saturated soils (SS) or no channelled watercourse (NW). The “Navigability” rating identifies channelled watercourse as being potentially navigable (N) or potentially unnavigable (U) based on the possibility of traveling the stream with a vessel. The “Field Call” channelled watercourse classifications in the above table are based on Table 1 of the OGRs at the time, and during the conditions, when layout was conducted.

7. Silviculture Information

The following table outlines the initial silviculture declarations for FHP blocks within Planning Unit 085064/CTLA140002. Cover group balanced declarations will be submitted post harvest.

Alberta-Pacific Silviculture Declarations

Source Id	Opening Num	Area (ha)	Std_ Mod	Open_ Desig	Species_ Gr	Silv_ Harv
08505431231	4050853123	32.9	D	SM	DE	CC
08506402321	4060850232	2.9	D	SM	DE	CC
08506402421	4060850242	1.5	D	SM	DE	CC
08506403521	4060850352	27.1	D	SM	DE	CC
08506404221	4060850422	26.4	D	SM	DE	CC

Alberta-Pacific Silviculture Declarations (Cont.)

Source Id	Opening Num	Area (ha)	Std_ Mod	Open_ Desig	Species_ Gr	Silv_ Harv
08506406511	4060850651	2.4	D	SM	DE	CC
08506406671	4060850667	45.9	D	SM	DE	CC
08506415851	4060851585	52.6	D	SM	DE	CC
08506422461	4060852246	25.0	D	SM	DE	CC
08506422741	4060852274	14.9	D	SM	DE	CC
08506425821	4060852582	2.8	D	SM	DE	CC
08506425961	4060852596	11.0	D	SM	DE	CC
08506434221	4060853422	44.7	D	SM	DE	CC
08506435141	4060853514	32.5	D	SM	DE	CC
08506436461	4060853646	74.2	D	SM	DE	CC
08506436821	4060853682	3.1	D	SM	DE	CC
08606401421	4060860142	9.8	D	SM	DE	CC
08607403231	4070860323	6.2	D	SM	DE	CC
08607403431	4070860343	26.3	D	SM	DE	CC
08607404811	4070860481	30.1	D	SM	DE	CC
08607410951	4070861095	29.6	D	SM	DE	CC
08607411611	4070861161	31.5	D	SM	DE	CC

Northland Silviculture Declarations

Source Id	Opening Num	Area (ha)	Std_ Mod	Open_ Desig	Species_ Gr	Silv_ Harv
08506406594	4060850659	7.9	DC	SM	MX	CC
08506411284	4060851128	6.8	DC	SM	MX	CC
08506425774	4060852577	16.5	DC	SM	MX	CC
08506425864	4060852586	19.4	DC	SM	MX	CC
08506425934	4060852593	4.0	DC	SM	MX	CC
08607402634	4070860263	5.1	C	SM	SW	CC

In the above two tables, the codes for “Std_Mod”, “Open_Type”, “Species_Gr” and “Silv_Harv” are as per the Alberta Regeneration Information System (ARIS) domain codes. “AV” under “Open_Desig” is not an ARIS code but is used internally for the tracking of understorey avoidance blocks. If a block contains adequate amounts of Balsam Fir, so that fir is an acceptable coniferous regeneration species, a code of FA is used in the “Species_Gr”.

All blocks will be treated as per Appendix 4, of the FMP.

8. OGRs Variances

Blocks

The following blocks have boundary bordering lakes less than 4.0 hectares in size and a 30 meter buffer has been utilized.

08506422461 08607404811

The following table identifies blocks greater than 7.0 ha that may exceed 5% road disturbance once turnabouts are constructed.

Road Percent

Source Id	% Road Class	Comments
08506404221	7	Narrow block and/ or irregular shaped block.
08506406594	5	Narrow block and/ or irregular shaped block.
08506406671	6	Narrow block and/ or irregular shaped block.
08506422461	7	Narrow block and/ or irregular shaped block.
08506425961	9	Narrow block and/ or irregular shaped block.
08506435141	5	Narrow block and/ or irregular shaped block.
08606401421	6	Narrow block and/ or irregular shaped block.
08607404811	5	Narrow block and/ or irregular shaped block.
08607410951	6	Narrow block and/ or irregular shaped block.
08607411611	9	Narrow block and/ or irregular shaped block.

The percent road class values have been achieved by rounding the road disturbance percent to the nearest whole number.

Roads

Road Comments

Road No.	Class	Comments
04811	4S	Contains a spur road that may be within 200m of a Lake at grid location 0471.
10951	4S	Contains a spur road that may be within 200m of a Lake at grid location 1145.
22461	4S	Contains a spur road that may be within 200m of a Lake at grid location 2239.
34221	4S	Contains a road that may be within 200m of a Lake at grid location 2729.