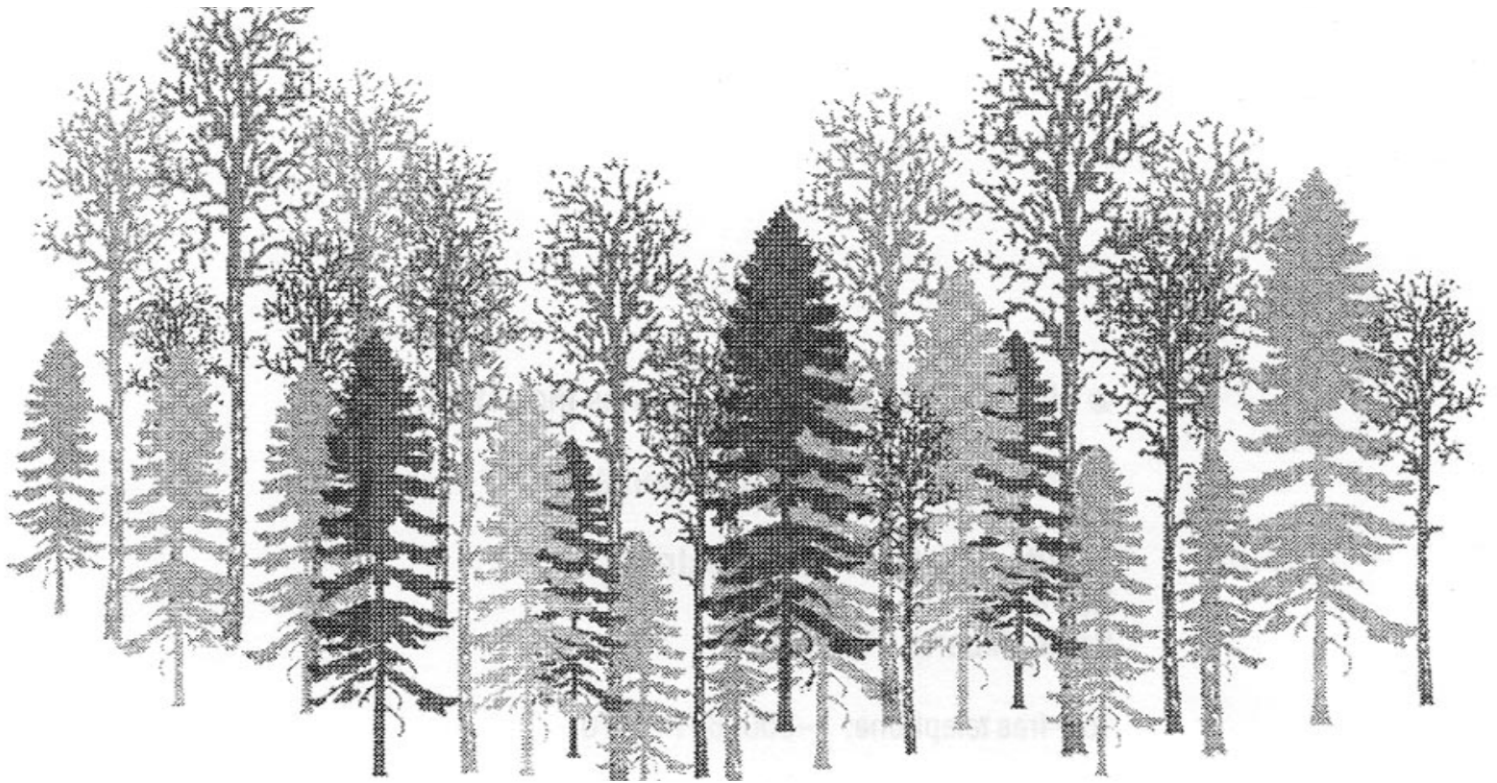


**ALBERTA
PACIFIC**
FOREST INDUSTRIES INC

Forest Harvest Plan



Planning Unit 071144

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Planning Unit 071144 Forest Harvest Plan

1. Introduction

This Forest Harvest Plan (FHP) for Planning Unit 071144 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 2018-19 Alberta-Pacific Forest Industries Inc. (Alberta-Pacific) Annual Operating Plan (AOP).

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

2. Planning Unit Specific Comments

This salvage plan has been designed to harvest non Spatial Harvest Sequence (SHS) timber in an area of blowdown within Twp. 070-14-4.

Planning Unit 071144 is located north of Lac La Biche on the Heart Lake Road.

The planning unit is located in Forest Management Unit (FMU) L8. Alberta-Pacific has rights to D as deciduous landbase.

Integration

Since this FHP is in FMU L08 it has been provided for review to the following forest operators:

Northland Forest Products Ltd.
Ed Bobocel Lumber (1993) Ltd.

Alberta-Pacific has received their agreements for this plan.

Watershed

No channelled watercourses or waterbodies within this planning unit have been surveyed as fish bearing or navigable.

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

Stand Structure

An average of 5% of the merchantable volume will be left in stand structure over the FMU. The structure will be left as layout patches, and as single trees and small clumps of timber at the operators' discretion.

Debris Management

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

- Methods described in the Forest and Prairie Protection Act and Regulations, and/or
- Thinly spread slash throughout the block.

The deciduous and coniferous utilization standards will be 15/10.

Design Comments

During the layout phase of this operation, Alberta-Pacific looked for signs of insect or disease infestations.

3. Block Information

The following table summarizes the volumes within Alberta-Pacific's FHP blocks.

Landbase Volume Summary

Company	Area (ha)	Decid (m3)	Conif (m3)	Inc Conif (m3)	Total (m3)
Alberta-Pacific	86	18,951	0	721	19,672

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)
07014413671	4140701367	NF	INC		63	13,420	0	481	13,901
07014424431	4140702443	NF	INC		18	4,495	0	206	4,701
07014436571	4140703657	NF	INC		2	447	0	16	463
Total					83	18,362	0	703	19,065

Retention Area Listing
(Values Affected by Rounding)

Retention Id	Area (ha)	Decid (m3)	Conif (m3)	Inc Conif (m3)	Total (m3)
07014413669	2	589	0	18	607
Total	2	589	0	18	607

4. Access and Road Information

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

Planning Unit Temporary Road Information

Existing access has been utilized where possible to minimize the clearing of new Right of Way (RoW).

New access and channelled watercourse crossings will be reclaimed as per Section 11.3.4 of the OGRs. Road reclamation and abandonment details are listed in the AOP when the blocks and roads are scheduled.

Inter Block Roads and Crossings

Road No.	Class	Length (Km)	Construction Season	Crossing Location	Field Call	Navigability
13671	4S	1.92	Non-Frozen	1343	E	U
				1353	E	U
				1362	E	U
				1373	E	U
24431	4S	0.32	Non-Frozen			
36571	4S	0.84	Non-Frozen			
Total Class 4W:		0.00				
Total Class 4S:		3.08				
Total Class 4P:		0.00				

In the above table, possible “Base Info” watercourse classifications are indefinite (E), intermittent (I), perennial (P) or unmapped (UM). The possible “Field Call” channelled watercourse classifications are ephemeral (E), intermittent (I), transitional (T), small permanent (SP) 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

Copies of this harvest plan are available for viewing at www.alpac.ca.

The Public Involvement for this plan was completed during this year's GDP review meetings.

No concerns have been identified through the public involvement process to date.

Aboriginal Consultation

The Aboriginal Consultation for this plan was completed during this year's GDP review meetings.

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

Trappers

The holder of Registered Fur Management Area (RFMA) 1323 has been contacted regarding harvesting activities within Planning Unit 071144.

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) 515 have been notified of Alberta-Pacific's harvest plans within Planning Unit 071144:

- 0431 - 0960
- 0446 - 1160
- 0447 - 1230

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

Forest Recreation Groups

There are currently no active forest recreation groups with interests within this planning unit.

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 March 9, 2018 and Alberta-Pacific's Landuse files from Evergreen Land Use Consulting on March 9, 2018, there are currently no dispositions within this planning unit that restrict the harvesting of timber.

Wildlife

This planning unit is not within or near Caribou Range.

Portions of the planning unit are within a key Wildlife and Biodiversity Zone. Operations will adhere to section 7.7.5 of the OGRs.

No areas of concentrated terrestrial lichens were identified during layout.

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 possible to minimize the clearing of new RoW.

Continuous flow roads have been utilized in larger blocks to reduce skidding distances and cycle times. Their use outside of blocks has been minimized to control access and reduce potential wildlife disturbance.

The following policies have been implemented to mitigate access management concerns:

- Temporary road systems will be closed as soon as possible after the harvesting, hauling, and silviculture activities have been completed.

6. Spatial Harvest Sequence Summary

This plan was designed to salvage timber within an area of blowdown.

The tracking of SHS variance for this plan will be included with the calculations for plans approved after January 1, 2015.

7. Silviculture Information

The following table outlines the initial silviculture declarations for FHP blocks within Planning Unit 071144. Cover group balanced declarations will be submitted post harvest.

Alberta-Pacific Silviculture Declarations

Source Id	Opening Num	Area (ha)	Lanbase Desig
07014413671	4140701367	63.4	ALPC0501
07014424431	4140702443	18.0	ALPC0501
07014436571	4140703657	1.9	ALPC0501

All deciduous blocks will be Leave for Natural (LFN).

8. OGRs Variances

Blocks

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
07014413671	6	Extra road required due to terrain

The percent road class value has been achieved by rounding the road disturbance percent to the nearest whole number.

Roads

Roads Close to Watercourses

Road No.	Grid Location	Base Info	Field Call	Distance of Watercourse From Road	Habitat Rating
36571	3678	SL	SL	200	U

The “Distance of Watercourse From Road” is the minimum distance allowed in Table 2 of the OGRs without AFF approval. The roads listed are within those minimum distances. Please refer to the FHP map and layout block maps for more information.

In the above table, possible “Base Info” watercourse classifications are indefinite (E), intermittent (I), perennial (P), unmapped (UM) , lake < 4 ha (SL) or lake ≥ 4 ha (LL). The possible “Field Call” watercourse classifications are intermittent (I), transitional (T), small permanent (SP), large permanent (LP), lake < 4 ha (SL), lake ≥ 4 ha (LL). The “Habitat Rating” identifies watercourses surveyed as fish bearing or potentially fish bearing (SF), surveyed as non-fish bearing (SN) or unsurveyed (U). The “Field Call” 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.