



June 29, 2020

Forest Harvest Plan

Planning Unit 084035F



**ALBERTA
PACIFIC**
FOREST INDUSTRIES INC

Forest Harvest Plan

Planning Unit o84035F

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Appendices

Appendix 1- FHP Block Maps

Appendix 2- FHP Overview Maps

Report

1.0 Introduction

Alberta-Pacific Forest Industries Inc. (Al-Pac) has prepared a Forest Harvest Plan (FHP) for the harvest of stands within Planning Unit 084035F within the McMillan Lake Fire Salvage Plan, which was approved Aug 13, 2019. Al-Pac holds the active timber disposition FMA9100029.

Planning Unit 084035F is located along Al-Pac's Trout Road within Forest Management Unit (FMU) S11.

Copies of this Forest Harvest Plan are available on the Al-Pac website, at www.alpac.ca.

2.0 General Planning Unit Information /Design Considerations

This FHP has been validated by a Registered Forestry Professional from Al-Pac.

This FHP 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 2020-2021 Al-Pac Annual Operating Plan (AOP).

2.1 Operating Ground Rules

Planning Unit 084035F has been designed in accordance with the Northeast Alberta Operating Ground Rules (OGRs) revised 2018, and Directive No 2007-01. Alberta – Pacific is requesting certain deviations from the OGRs, due to field verified factors. These requests, along with corresponding information are listed under the section “OGR Deviations”.

3.0 Maps

Individual block maps have been included in the submission package, outlining the information pertinent to these blocks. A Planning Unit overview map has been included in the submission package. These maps can be viewed in the *Appendices* of this document.

4.0 Block Information

A *Block Summary Table* has been included below outlining the expected volumes of the harvest area.

4.1 Utilization

Deciduous will adhere to the 15/10 utilization standard, and coniferous utilization of 19/13 (as per the McMillan Lake Fire Salvage Plan).

4.2 Field verification

The proposed blocks were ground verified by a field layout team during the fall of 2019. The layout team provided planning support to assess timber quality, sensitive and historical sites, operability of the harvest area, and classification of water courses within the Planning Unit boundary. Where applicable, the findings of the layout team have been noted in the corresponding section of this report.

4.3 Understory Assessment

Any unburned stands identified with greater than or equal to 400 stems per hectare of acceptable white spruce understory will be treated using the Avoidance Method as per the OGR's.

Blocks requiring understory protection or understory avoidance are noted within the *Block Summary Table*.

Block Summary Table

(Values rounded to whole numbers)

Table 1: Block Summary Table

This table provides a brief description of the proposed harvest blocks within the Planning Unit

Deciduous Blocks						
Source ID	Opening Number	Harvest Season (Frozen/Non-Frozen)	Area (m3)	Deciduous Volume (m ³)	Incidental Conifer Volume (m ³)	Total Volume (m ³)
FC08403519411	5030841941	Non-Frozen	36	7,959	1,419	9,378
FC08403519911	5030841991	Non-Frozen	42	6,765	1,636	8,401
FC08403519961	5030841996	Non-Frozen	5	1,398	43	1,442
FC08403520261	5030842026	Non-Frozen	14	2,299	556	2,855
FC08403521581	5030842158	Non-Frozen	48	8,782	792	9,573
FC08403528151	5030842815	Non-Frozen	62	11,502	882	12,385
FC08403528191	5030842819	Non-Frozen	14	2,578	198	2,776
Total			221	41,284	5,526	46,810

*Any blocks found to have understory amounting to between 400 stems/ha and 600 stems/ha will be protected utilizing the avoidance method.

4.4 Structure Retention

As per the McMillan Lake Fire Salvage Plan approved August 13th, 2019, internal cutblock retention will follow the Operating Ground Rules, 5% for Deciduous Landbase and 3% for Coniferous Landbase.

4.5 Debris Management

Planning Unit 084035F is situated within Alberta's Fire Control Zone number 46 as identified by Alberta Agriculture and Forestry (AAF). Debris management of the Planning Unit will be accomplished in a manner consistent with Section 7.3 of the OGRs.

4.6 Camp Location

The companies have identified a camp location for logging operations within this Planning Unit. The campsite will be reclaimed as indicated in Section 11.3.4.4 of the Northeast Alberta Timber Harvesting Planning and Operating Ground Rules (OGRs).

Table 2: Camp Locations

SOURCE ID	OPENING NUMBER	LAT	LONG
FC08403528151	5030842815	56.3097	-114.4300
FC08403528151	5030842815	56.3096	-114.4300

5.0 Watercourse Protection

During the preliminary planning of Planning Unit 084035F, potential watercourses were identified using wet areas mapping, LiDAR data, aerial imagery, as well as the available AVI data.

Where harvest blocks are in proximity to any potential watercourses, the field layout team conducted field assessments utilizing the methodology and classification standards outlined in Section 6.0 of the OGRs. Any confirmed watercourses have been buffered in accordance with the OGRs Section 6.0.

Any deviations from the OGRs in relation to the watercourse buffers are noted in this report; please refer to the *OGR Deviations* section of the report for further information.

Watercourse Crossing Summary Table

Table 3: Watercourse Crossing Summary

A list of road crossings over field verified watercourses within the Planning Unit.

Road ID	Crossing ID	Stream Class
RC08403520261	2901	Ephemeral
	2900	Ephemeral
	2009	Ephemeral
RC08403528151	2817	Ephemeral

6.0 Road Information

Overview maps have been attached showing roads in accordance with Section 3.4.7. of the OGRs; all spatial data requirements have also been included with this submission.

Roads will be constructed, maintained, and reclaimed in a manner consistent with Section 11.3 of the OGRs.

When new access is necessary, reclamation processes will adhere to Section 11.3.4, Section 11.3.4.3 and Section 11.3.4.4 of the OGRs. To enable for silviculture activities, all-terrain vehicle (ATV) access may be left throughout the harvest area.

Road Attributes Table

(Values rounded to whole numbers)

Table 4: Road Attributes

Summary of the proposed inter-block roads of the Planning Unit.

Road ID	Road Classification	Haul Season	Class	Length (m)
RC08403519911	Temp	Non-Frozen	4	813
RC08403520261	Temp	Non-Frozen	4	663
RC08403519411	Temp	Non-Frozen	4	191
RC08403519961	Temp	Non-Frozen	4	982
RC08403528151	Temp	Non-Frozen	4	1,143
RC08403521581	Temp	Non-Frozen	4	600

7.0 Land Use Information

A search of the Geographic Land Information Management and Planning System (GLIMPS) and Digital Integrated Dispositions (DIDs) yielded active dispositions within the FHP. Any necessary agreements with the disposition holder will be in place prior to the commencement of harvest operations. None of the dispositions within the FHP will restrict harvest operations in the FHP.

Land Use Summary Table

Table 5: Land Use Summary Table

Active dispositions in the Planning Unit

Disposition Number	Disposition Holder	Disposition Type
No Dispositions Found		

The FHP design incorporates pipeline crossings, for temporary roads. The agreements will be in place prior to the construction of these crossings.

8.0 Integration with Other Forest Users

8.1 Integration with Other Harvest Operators

This plan was not designed to be integrated as there is very little mature coniferous landbase within the planning unit's boundary. This plan has been sent to the Quota Holders within FMU S11 (West Fraser Mills Ltd.) for their consent.

8.2 Registered Fur Management Areas (RFMAs)

There are 4 RFMAs within the FHP who will be affected by operations. Notification letters were sent to the respective RFMA holders, any requests from any RFMA holder have been considered, and, where possible, the harvest design has been planned to accommodate the request.

Trapper Areas Table

Table 6: Trapper Areas Table

RFMA holders affected by harvest operations.

RFMA ID	Notification Method	Contact Method
53	Letter	Mail

8.3 Wildlife Management Unit(s) (WMU)

Planning Unit 084035F is located within WMU #542. The Guides and Outfitters operating within this unit have been sent notification, via registered mail, on the FHP design, as well as a timeline for the commencement of harvest operations. Any requests from Guides and Outfitters have been considered, and, where possible, the harvest design has been planned to accommodate the request.

Guide and Outfitters Table

Table 7: Guide and Outfitters

List of Guide and Outfitters active in WMU #542.

Company Name	Notification Method	Contact Method
Northern Adventure Hunts #869	Letter	Mail
North Alberta Outfitters #66		
Blue Bronna Outfitting #23		

8.4 Indigenous Groups

During the General Development Plan (GDP) process, Alberta – Pacific conducts consultations with indigenous groups every year. There have not been any issues identified for the Planning Unit 084035F FHP submission.

8.5 Other Forest Users

There are no forest user groups identified operating within the Planning Unit area.

8.6 Forest Aesthetics

As outlined in Section 5.5. of the OGRs, Al-Pac follows the objective to mitigate the impact of timber operations on the visual quality of the forest landscape. This FHP is not adjacent to any park or recreational areas, and no other aesthetics concerns have been noted to date by other forest users.

9.0 Species and Areas of Concern

9.1 Woodland Caribou

Planning Unit 084035F is **not** located within a caribou range.

There were no rare plants, including signs of terrestrial lichen found within the Planning Unit.

9.2 Key Wildlife and Biodiversity Zone (KWBZ)

Planning Unit 084035F is not located within a Key Wildlife and Biodiversity Zone; all operations will be consistent with Section 7.7.5 of the OGRs

9.3 Other Species

All known sensitive wildlife sites have been buffered in accordance with Section 7.7.5 of the OGRs.

Opening Number 5030842819 is within the buffer of a trumpeter swan water body, and thus falls under the Ground Rules 7.7.3. This includes a time restriction for operations between April 1 to September 30.

9.4 Historical Resources

A review of the block design and landscape of the FHP was completed by professional archaeologists. Any sites identified as being of high historical significance (historical resource sites) have been removed from the harvest design.

If any sites are identified post submission, Al-Pac will take the appropriate action to protect these sites.

9.5 Forest Health

During the Pre-Harvest Assessments, there were no forest health/protection concerns identified as outlined in Section 10 of the OGRs.

10.0 SHS Information / Variance Summary

Variances from the Spatial Harvest Sequence (SHS) is not applicable to Planning Unit 084035F since it is within the McMillan Lake Fire Salvage Plan.

11.0 OGR Deviations

Table 8: Road Percent Deviations Table

Road deviations which contain blocks that are greater than 7 hectares, with potentially more than 5% road disturbance.

Source ID	Opening Number	Block Area (ha)	Harvest Season	Road Percentage	Road Percentage Reason
FC08403520261	5030842026	14.1	Non-Frozen	8.1	Wet / Narrow Irregular block shape

12.0 Validation by Registered Forest Practitioner

This plan is being prepared and submitted on behalf of Alberta-Pacific Forest Industries Inc.

ALBERTA-PACIFIC FOREST INDUSTRIES INC.

Dennis Froese, RPF

