



13-Oct-22

Forest Harvest Plan

PU085045a



**ALBERTA
PACIFIC**
FOREST INDUSTRIES INC



Table of Contents

1.0 Introduction	5
2.0 General Planning Unit Information /Design Considerations	5
2.1 Operating Ground Rules	5
3.0 Maps	5
4.0 Block Information.....	6
4.1 Utilization	6
4.2 Field verification	6
4.3 Understory Assessment	6
4.4 Structure Retention	7
4.5 Debris Management.....	8
4.6 Camp Location	8
5.0 Watercourse Protection	8
Table 2: Watercourse Crossing Summary.....	9
6.0 Road Information	10
Table 3: Road Attributes.....	10
7.0 Land Use Information	10
Table 4: Land Use Summary Table	11
8.0 Integration with Other Forest Users	11
8.1 Integration with Other Harvest Operators	11
8.2 Registered Fur Management Areas (RFMAs).....	11
Table 5: Trapper Areas Table	11
8.3 Wildlife Management Unit(s) (WMU)	11
Table 6: Guide and Outfitters.....	12
8.4 Indigenous Groups	12
8.5 Other Forest Users.....	12
8.6 Forest Aesthetics.....	12
9.0 Species and Areas of Concern	12

9.1 Woodland Caribou	12
9.2 Key Wildlife and Biodiversity Zone (KWBZ).....	12
9.3 Other Species	12
9.4 Sensitive Sites	13
9.5 Forest Health.....	13
10.0 SHS Information / Variance Summary.....	13
11.0 OGR Deviations.....	13
12.0 Validation by Registered Forest Practitioner.....	13

Appendices

Appendix 1- FHP Block Maps

Appendix 2- FHP Overview Maps

Appendix 3- Spatial Harvest Sequence Summary Tables

Appendix 4- Spatial Harvest Sequence Summary Map

Report

1.0 Introduction

Alberta – Pacific Forest Industries Inc. (Alberta–Pacific) has prepared a Forest Harvest Plan (FHP) for the harvest of stands within Planning Unit 085045a.

The Planning Unit is located within Forest Management Unit FMU S11 along Al-Pac’s “Trout River Road”. North of the Planning Unit are the communities of Peerless and Trout Lake (Peerless Trout No. 238).

Copies of this Forest Harvest Plan are available on the Alberta–Pacific website, at www.alpac.ca.

2.0 General Planning Unit Information /Design Considerations

This FHP has been validated by a Registered Forestry Professional from Alberta-Pacific.

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 2022-2023 Alberta-Pacific Annual Operating Plan (AOP).

2.1 Operating Ground Rules

This Planning Unit is designed in accordance with the Timber Harvest Planning and Operating Ground Rules - Northeast Alberta Regional Area-Specific Addendum (OGRs). 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 and a Spatial Harvest Sequence (SHS) Planning Unit map have 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 and coniferous stands will adhere to the 15/10 utilization standard

4.2 Field verification

Field verification was conducted to assess the timber quality, potential 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

White Spruce understory within deciduous landbase will be protected utilizing high effort understory protection in stands identified as greater than 600 stems/ha by the Alberta Vegetation Inventory (AVI), as well as any potential areas found to have understory present that is not identified by the AVI. Any deciduous blocks found to have understory amounting to between 400 stems/ha and 600 stems/ha will be protected utilizing the avoidance method.

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						
<i>Source ID</i>	Opening Number	Harvest Season (Frozen/ Non-Frozen)	Area (ha)	Deciduous Volume (m³)	Incidental Conifer Volume (m³)	Total Volume (m³)
FC08503519471	5030851947	Frozen	59	7,261	2,360	9,621
FC08504522461	5040852246	Frozen	50	6,136	1,997	8,133
FC08504522641	5040852264	Frozen	29	3,735	1,176	4,911
FC08504524161	5040852416	Frozen	5	610	220	830
FC08504524411	5040852441	Non-Frozen	66	11,163	1,623	12,786
FC08504524951	5040852495	Frozen	6	1,445	63	1,508
FC08504528771	5040852877	Frozen	24	5,804	215	6,019
FC08504529871	5040852987	Frozen	64	11,513	1,629	13,142
Totals			303	47,667	9,283	56,950

*Understory Block: White Spruce understory within deciduous landbase will be protected utilizing high effort understory protection in stands identified as greater than 600 stems/ha.

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

For Alberta-Pacific and Commercial Timber Permits, an average of 5% representative of all harvested area at the FMU level by stewardship reporting period will be retained. A harvest area may have zero structure but the FMU average shall be 5%. Non-merchantable structure is not to be tracked as part of the 5%. Structure retention will be left in the following methods:

- Laid out patches
- Individual trees
- Small clumps left at the operators' discretion

4.5 Debris Management

The Planning Unit is situated within Alberta's Fire Control Zone number 46 as identified by Alberta Agriculture, Forestry and Rural Economic Development (AFRED).

Debris management of the Planning Unit will be accomplished in a manner consistent with the Debris Management Standards for Timber Harvest Operations (AF-FDP-2017-07).

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 2.12.2 of the OGRs.

Source ID	Opening Number	LATITUDE	LONGITUDE
FC08504524411	5040852441	56.37645	-114.495341

5.0 Watercourse Protection

During the potential watercourses were identified during preliminary planning 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 2.17 of the OGRs. Any confirmed watercourses have been buffered in accordance with the OGRs Section 2.17.

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 2: Watercourse Crossing Summary

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

<i>Road ID</i>	<i>Crossing ID (Road Crossing Number)</i>	<i>Watercourse Classification</i>
RC08504522461	2722	Ephemeral
RC08504522461	2235	Ephemeral
RC08503519471	1968	Ephemeral
RC08503519471	1912	Ephemeral
RC08503519471	1913	Beaver Pond
RC08504529871	2994	Ephemeral
RC08504529871	2821	Ephemeral
RC08504529871	2802	Ephemeral
RC08504529871	2986	Ephemeral
RC08504529871	2996	Ephemeral
RC08504529871	2998	Ephemeral
RC08504524161	2395	Intermittent
RC08504524411	2454	Ephemeral
RC08504529871	2984	Ephemeral
RC08504522461	2198	Ephemeral
RC08504522461	2700	Ephemeral
RC08504528771	2714	Transitional
DLO8112200	2288	Ephemeral
DLO811200	2262	Ephemeral
DLO811200	2790	Ephemeral

6.0 Road Information

Overview maps have been attached showing roads in accordance with Section 4.1.3.7. 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 2.15 of the OGRs.

When new access is necessary, reclamation processes will be followed as per applicable legislation. 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 3: Road Attributes

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

Road ID	Road Classification	Haul Season	Length, m
DLO811200	Temp	Frozen	2,151
RC08503519471	Temp	Frozen	4,447
RC08504522461	Temp	Frozen	5,399
RC08504524161	Temp	Frozen	561
RC08504524411	Temp	Non-Frozen	1,986
RC08504524951	Temp	Frozen	229
RC08504528771	Temp	Frozen	4,115
RC08504529871	Temp	Frozen	6,430

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 4: Land Use Summary Table
Active dispositions in the Planning Unit

Disposition Number	Disposition Holder	Disposition Type
DLO811200	S-11 LOGGING COMPANY LTD.	LICENSE OF OCCUPATION

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 FHP is not an integrated between the FMA and a CTL holder.

8.2 Registered Fur Management Areas (RFMAs)

Notification letter were sent to RFMAs within the FHP who will be affected by operations. Any requests from the RFMA holders have been considered, and, where possible, the harvest design has been planned to accommodate the request.

Trapper Areas Table

Table 5: Trapper Areas Table

RFMA ID	Notification Method
998	Registered Mail
2240	Registered Mail

8.3 Wildlife Management Unit(s) (WMU)

The Planning Unit 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. A table with the active Guides and Outfitters in the WMU is included below.

Guide and Outfitters Table

Table 6: Guide and Outfitters

OG ID Number	Date	Contact Method
Blue Bronna Outfitting	04-Jul-22	Registered Mail
Northern Wilderness Outfitters	04-Jul-22	Registered Mail
Northern Adventure Hunts	04-Jul-22	Registered Mail
Alberta Hunting Company	04-Jul-22	Registered Mail
Three Rivers Adventures	04-Jul-22	Registered Mail
Northern Edge Outfitting Ltd.	04-Jul-22	Registered Mail
North Alberta Outfitters Inc.	04-Jul-22	Registered Mail

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 prior to FHP submission.

8.5 Other Forest Users

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

8.6 Forest Aesthetics

As outlined in Section 4.2.2.1. of the OGRs, Alberta – Pacific follows the objective to mitigate the impact of timber operations on the visual quality of the forest landscape.

9.0 Species and Areas of Concern

9.1 Woodland Caribou

Planning Unit 085045a is not located within Woodland Caribou Range.

9.2 Key Wildlife and Biodiversity Zone (KWBZ)

Planning Unit 085045a is not located within a Key Wildlife and Biodiversity Zone.

9.3 Other Species

All known sensitive wildlife sites have been buffered in accordance with Section 2.8.9 of the OGRs.

9.4 Sensitive Sites

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.

Upon completion of cutblock and road layout, a second review of the harvest blocks, and temporary roads is completed to identify potential conflicts, and to determine if any further changes are required to the Planning Unit.

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

If any sites are identified post submission, Alberta – Pacific will take the appropriate action to protect these sites.

9.5 Forest Health

During the field verification, a team evaluated the current state of the forest health in the FHP area, as outlined in Section 2.19 of the OGRs.

If any sites are identified post submission, Alberta – Pacific will take the appropriate action to address these concerns as per Section 2.19.1 of the OGRs.

10.0 SHS Information / Variance Summary

Variances from the Spatial Harvest Sequence (SHS) within the Planning Unit boundary are shown in Appendix 3 - *Spatial Harvest Sequence Summary Table*.

11.0 OGR Deviations

There are no requested OGR deviations within PU085045a at this time.

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.



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