



28-Aug-19

Forest Harvest Plan

Planning Unit 82035F



Alberta-Pacific
Forest Industries Inc.



Vanderwell
Contractors (1971) Ltd.

Forest Harvest Plan

Planning Unit 82035F

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Report

Introduction

Alberta – Pacific Forest Industries Inc. (Alberta – Pacific) and Vanderwell Contractors have prepared a Forest Harvest Plan (FHP) for Planning Unit 82035F under the McMillan Lake Fire Salvage plan, approved Aug 13, 2019. Alberta – Pacific holds the active timber disposition FMA9100029 and Vanderwell has CTLS18J006.

This plan has been designed to adhere to the Northeast Alberta Operating Ground Rules (OGRs), revised 2018 and Directive No 2007-01. Deviations from the OGRs and this directive, specific to this FHP, have been identified in this FHP.

Block Information

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

Block Summary Table

(Values rounded to whole numbers)

| Deciduous Blocks | | | | | | |
|----------------------|-----------------------|---|----------------------------|---|--|---|
| <i>Source ID</i> | Opening Number | Harvest Season <i>(Frozen/Non-Frozen)</i> | Area <i>(ha)</i> | Deciduous Volume <i>(m³)</i> | Incidental Conifer Volume <i>(m³)</i> | Total Volume <i>(m³)</i> |
| <i>FCo8023535041</i> | 5230803504 | Non-Frozen | 7.2 | 914 | 28 | 942 |
| <i>FCo8202529141</i> | 5020822914 | Non-Frozen | 6.9 | 1,346 | 379 | 1,726 |
| <i>FCo8203525441</i> | 5030822544 | Non-Frozen | 12.8 | 679 | 26 | 704 |
| <i>FCo8203525771</i> | 5030822577 | Non-Frozen | 14.9 | 1,219 | 216 | 1,435 |
| <i>FCo8203525951</i> | 5030822595 | Non-Frozen | 15.9 | 854 | 152 | 1,006 |
| <i>FCo8203525971</i> | 5030822597 | Non-Frozen | 1.9 | 176 | 5 | 181 |
| <i>FCo8203526961</i> | 5030822696 | Non-Frozen | 3.7 | 560 | 62 | 622 |
| <i>FCo8203531701</i> | 5030823170 | Non-Frozen | 17.8 | 2,379 | 978 | 3,358 |
| <i>FCo8203532201</i> | 5030823220 | Non-Frozen | 3.1 | 433 | 105 | 538 |
| <i>FCo8203535901</i> | 5030823590 | Non-Frozen | 20.8 | 2,135 | 613 | 2,748 |

| <i>FCo8203536711</i> | 5030823671 | Non-Frozen | 10.8 | 369 | 17 | 386 |
|--------------------------|-----------------------|---|------------------|--|---------------------------------------|-------------------------------------|
| <i>FCo8204535351</i> | 5040823535 | Non-Frozen | 48.7 | 6,573 | 4,184 | 10,758 |
| <i>FCo8204535961</i> | 5040823596 | Non-Frozen | 21.0 | 2,102 | 1,782 | 3,883 |
| <i>FCo8302506311</i> | 5020830631 | Non-Frozen | 186.1 | 13,761 | 2,632 | 16,392 |
| Coniferous Blocks | | | | | | |
| Source ID | Opening Number | Harvest Season (Frozen/Non-Frozen) | Area (ha) | Incidental Deciduous Volume (m³) | Conifer Volume (m³) | Total Volume (m³) |
| NC08202531474 | 5020823147 | Non-Frozen | 10.9 | 1402 | 1118 | 2520 |
| NC08202531884 | 5020823188 | Non-Frozen | 4.8 | 854 | 173 | 1027 |
| NC08203536774 | 5030823677 | Non-Frozen | 20.0 | 2838 | 558 | 3396 |

Table 1: Block Summary Table – This table provides a brief description of the proposed harvest blocks within the planning unit..

Watercourse Protection

Any confirmed watercourses have been buffered in accordance with the OGRs Section 6.0 Table 2.

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.

Watercourse Crossing Summary Table

| Road ID | Road Crossing Number | Stream Class |
|----------------|-----------------------------|---------------------|
| RC08203525771 | 2565 | Small Permanent |
| | 2576 | Ephemeral |
| | 2587 | Ephemeral |
| RC08204535351 | 3573 | Ephemeral |
| | 3616 | Ephemeral |
| RC08203535901 | 3610 | Ephemeral |
| RC08204535961 | 3605 | Ephemeral |
| RC08203536711 | 3653 | Ephemeral |
| | 3631 | Ephemeral |

Table 2: Watercourse Road Crossings - A list of road crossings over field verified watercourses within the planning unit.

Road Information

When new access is necessary, reclamation processes will adhere to Section 11.3.4 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)

| Source ID | Opening Number | Block Area (ha) | Operations (Conifer/Deciduous) | Harvest Season (Frozen/Non-Frozen) | Road Percentage | Road Percentage Reason |
|-----------------------|-------------------|-------------------|--------------------------------|------------------------------------|-----------------|------------------------|
| FC08204535961 | 5040823596 | 21.02908 | Deciduous | Non-Frozen | 5.3 | MAIN |
| FC08203536711 | 5030823671 | 10.790383 | Deciduous | Non-Frozen | 6.29 | MAIN |
| <i>FC08202529141</i> | <i>5020822914</i> | <i>6.895019</i> | <i>Deciduous</i> | <i>Non-Frozen</i> | <i>4.53</i> | <i>NONE</i> |
| <i>FC082023535041</i> | <i>5230803504</i> | <i>7.248486</i> | <i>Deciduous</i> | <i>Non-Frozen</i> | <i>3.13</i> | <i>NONE</i> |
| <i>FC08203525441</i> | <i>5030822544</i> | <i>12.810148</i> | <i>Deciduous</i> | <i>Non-Frozen</i> | <i>4.42</i> | <i>NONE</i> |
| <i>FC08203525771</i> | <i>5030822577</i> | <i>14.89282</i> | <i>Deciduous</i> | <i>Non-Frozen</i> | <i>3.92</i> | <i>NONE</i> |
| <i>FC08203525951</i> | <i>5030822595</i> | <i>15.919145</i> | <i>Deciduous</i> | <i>Non-Frozen</i> | <i>3.9</i> | <i>NONE</i> |
| <i>FC08203525971</i> | <i>5030822597</i> | <i>1.920017</i> | <i>Deciduous</i> | <i>Non-Frozen</i> | <i>0.0</i> | <i>NONE</i> |
| <i>FC08203526961</i> | <i>5030822696</i> | <i>3.709316</i> | <i>Deciduous</i> | <i>Non-Frozen</i> | <i>4.67</i> | <i>NONE</i> |
| <i>FC08203531701</i> | <i>5030823170</i> | <i>17.809036</i> | <i>Deciduous</i> | <i>Non-Frozen</i> | <i>3.48</i> | <i>NONE</i> |
| <i>FC08203532201</i> | <i>5030823220</i> | <i>3.08397</i> | <i>Deciduous</i> | <i>Non-Frozen</i> | <i>2.76</i> | <i>NONE</i> |
| <i>FC08203535901</i> | <i>5030823590</i> | <i>20.843283</i> | <i>Deciduous</i> | <i>Transitional</i> | <i>1.69</i> | <i>NONE</i> |
| <i>FC08204535351</i> | <i>5040823535</i> | <i>48.737032</i> | <i>Deciduous</i> | <i>Non-Frozen</i> | <i>2.32</i> | <i>NONE</i> |
| <i>FC08302506311</i> | <i>5020830631</i> | <i>212.589751</i> | <i>Deciduous</i> | <i>Non-Frozen</i> | <i>2.83</i> | <i>NONE</i> |

Table 3: Road Information - Summary of the proposed inter-block roads of the planning unit.

Land Use Information

Agreements

A search of the Land Status Automated System (LSAS) and of Digital Integrated Dispositions (DIDs) yielded active dispositions within the FHP harvest area. 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 area will restrict harvest operations of the FHP.

Land Use Summary Table

| Disposition Number | Disposition Holder | Disposition Type |
|--------------------|---------------------------------|--------------------------|
| LOC761109 | HUSKY OIL OPERATIONS LIMITED | LICENSE OF OCCUPATION |

Table 4: Disposition Information - Active dispositions in the planning unit

Integration with Other Forest Users

Integration with Other Harvest Operators

Within the FMU, there is one other Quota Holder, West Fraser. This plan has been sent to them to provide feedback.

Registered Fur Management Areas (RFMAs)

There are 5 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.

Trappers have also been personally contacted regarding this FHP to gather feedback. To date, no concerns have been identified.

Trapper Areas Table

| RFMA ID | Notification Method | Contact Method |
|---------|---------------------|----------------|
| 37 | Letter | Mail |
| 47 | Letter | Mail |
| 160 | Letter | Mail |

| | | |
|------|--------|------|
| 989 | Letter | Mail |
| 2874 | Letter | Mail |

Table 5: RFMA Information - RFMA holders affected by harvest operations.

Wildlife Management Unit(s) (WMU)

Planning Unit 82035F falls within WMU 542. The Guide and Outfitters operating within this unit have received 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

| OG ID Number/Name | Date | Contact Method |
|---|-----------|----------------|
| Glenn Brown (Blue Bronna Outfitting) | 12-Aug-19 | Letter |
| Heather G. Chaney (Northern Adventure Hunts) | | |
| Randy David Endersby (Wide North Outfitters Ltd.) | | |
| Troy A. Foster (North Alberta Outfitters) | | |
| Scott R. Gagne (Northern Wilderness Outfitters) | | |
| Corey B. Jarvis (Three Rivers Adventures) | | |
| Colin Paly (Northern Edge Outfitting Ltd.) | | |
| Eldon Skrynyk (Grizzly Mountain Outfitters) | | |

Table 6: Guide and Outfitters - List of Guide and Outfitters active in WMU 542

Aesthetics

OGR objectives to mitigate the impact of timber operations on the visual quality of the forest landscape will be followed. 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.

Retention will be strategically located in areas adjacent to Class I, II, and III roads, minimizing line of sight where possible.

Wildlife Buffer Retention Areas

A sticknest was discovered in Cutblock 5020830631, it was given a 100m buffer

Historical Resources

The permitting and approval process for Historical Resource Impact Assessments has been followed and approval will be received prior to operations.

OGR Deviations

No OGR deviations are identified at this time.

Appendix 1 – FHP Block Maps

Appendix 2 – FHP Overview Map