



26-Oct-20

Forest Harvest Plan

Planning Unit o80045F



Alberta-Pacific
Forest Industries Inc.

Forest Harvest Plan

Planning Unit 080045F

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FHP Report

Introduction

This Forest Harvest Plan (FHP) – Planning Unit 080045F is prepared by Alberta – Pacific Forest Industries Inc. (Alberta–Pacific) under the McMillan Lake Fire Salvage plan, which was approved Aug 13, 2019. Alberta–Pacific holds the active timber disposition FMA9100029.

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. Blocks denoted as “Fire Block” meet the requirements as per the McMillan Lake Fire Salvage plan as fire salvage harvest operations. Blocks denoted as “FMA Harvest” do not meet specifications of fire salvage harvest operations and will be treated as AAC chargeable FMA operations.

Block Summary Table

(Values rounded to whole numbers)

Table 1: Block Summary – 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 (ha)	Deciduous Volume (m³)	Incidental Conifer Volume (m³)	Total Volume (m³)	Block Type
FC07904519971	5040791997	Frozen	3.4	935	30	965	Fire Block
FC07904520331	5040792033	Frozen	10.1	1,959	240	2,198	Fire Block
FC07904521461	5040792146	Frozen	7.7	2,041	265	2,305	Fire Block
FC07904521821	5040792182	Frozen	2.7	690	77	767	Fire Block
FC07904528891	5040792589	Frozen	19.7	5,177	292	5,469	Fire Block
FC07904531671	5040793167	Frozen	5.6	1,417	121	1,537	Fire Block
FC07904534771	5040793477	Frozen	10.9	2,874	102	2,976	Fire Block
FC07904535481	5040793567	Frozen	22.4	4,619	1,026	5,645	Fire Block
FC08003530601	5030803060	Frozen	14.1	9,735	1,160	10,895	Fire Block

Source ID	Opening Number	Harvest Season (Frozen/Non-Frozen)	Area (ha)	Deciduous Volume (m³)	Incidental Conifer Volume (m³)	Total Volume (m³)	Block Type
FC08004501051	5040800163	Frozen	41.3	6,137	235	6,372	Fire Block
FC08004502431	5040800243	Frozen	3.2	981	30	1,011	Fire Block
FC08004502841	5040800284	Frozen	10.8	2,580	401	2,981	Fire Block
FC08004506061	5040800606	Frozen	19.1	5,386	290	5,676	Fire Block
FC08004508391	5080800839	Frozen	7.6	1,808	123	1,931	Fire Block
FC08004510581	5040801058	Frozen	8.0	1,304	553	1,858	Fire Block
FC08004510731	5040801073	Frozen	9.0	2,227	72	2,299	Fire Block
FC08004511361	5040801136	Frozen	10.8	2,678	333	3,012	Fire Block
FC08004511641	5040801164	Frozen	16.7	3,996	176	4,171	Fire Block
FC08004512131	5040801213	Frozen	37.3	8,367	1,552	9,918	Fire Block
FC08004512741	5040801274	Frozen	11.0	2,883	257	3,140	Fire Block
FC08004514451	5040801445	Frozen	11.5	2,439	103	2,542	Fire Block
FC08004515541	5040801554	Frozen	16.6	3,808	436	4,243	Fire Block
FC08004516981	5040801698	Frozen	8.1	1,180	212	1,392	Fire Block
FC08004521201	5040802120	Frozen	37.1	8,174	1,389	9,563	Fire Block
FC08004522361	5040802236	Frozen	11.3	2,132	317	2,449	Fire Block
FC08004522981	5040802298	Frozen	23.9	5,411	1,691	7,102	Fire Block
FC08004523131	5040802313	Frozen	8.9	1,983	164	2,147	Fire Block
FC08004523521	5040802352	Frozen	6.3	1,494	176	1,670	Fire Block
FC08004524321	5040802432	Frozen	53.6	14,203	1,445	15,648	Fire Block
FC08004524991	5040802499	Frozen	5.1	1,238	237	1,476	Fire Block
FC08004527271	5040802727	Frozen	15.4	3,315	251	3,566	Fire Block
FC08004528301	5040802830	Frozen	64.2	14,480	1,935	16,415	Fire Block
FC08004536081	5040813608	Frozen	19.1	4,952	390	5,342	Fire Block
FC08103506091	5030810609	Frozen	6.7	1,836	139	1,976	Fire Block
FC08103507261	5030810726	Frozen	7.1	1,889	334	2,223	Fire Block
FC08104501651	5040810165	Frozen	18.3	4,626	442	5,068	Fire Block
FC08104511631	5040811163	Frozen	45.2	11,359	1,946	13,305	Fire Block
FC08104512531	5040811253	Frozen	7.8	2,159	240	2,399	Fire Block
FC08104513371	5040811337	Frozen	45.7	11,874	822	12,695	Fire Block
FC07904506331	5040790633	Frozen	57.8	14,958	755	15,713	FMA Harvest
FC07904521531	5040792153	Frozen	30.7	7,758	1,146	8,904	FMA Harvest
FC07904532991	5040793299	Frozen	104.8	24,943	1,381	26,323	FMA Harvest
FC07904533931	5040793393	Frozen	6.9	2,080	86	2,166	FMA Harvest
FC07904533971	5040793397	Frozen	3.3	407	128	535	FMA Harvest
FC07904534551	5040793455	Frozen	2.0	537	22	560	FMA Harvest
FC07904536971	5040793697	Frozen	4.1	1,004	112	1,115	FMA Harvest
FC08003529531	5030802953	Frozen	56.6	14,345	1,877	16,222	FMA Harvest

Source ID	Opening Number	Harvest Season (Frozen/Non-Frozen)	Area (ha)	Deciduous Volume (m ³)	Incidental Conifer Volume (m ³)	Total Volume (m ³)	Block Type
FC08004502741	5040800274	Frozen	24.9	6,859	528	7,387	FMA Harvest
FC08004503841	5040800384	Frozen	10.2	2,639	142	2,780	FMA Harvest
FC08004504431	5040800443	Frozen	1.9	493	33	527	FMA Harvest
FC08004505081	5040800508	Frozen	2.4	624	21	644	FMA Harvest
FC08004514921	5040801492	Frozen	17.0	4,264	602	4,866	FMA Harvest
FC08004515491	5040801549	Frozen	34.3	7,960	681	8,640	FMA Harvest
FC08004515931	5040801593	Frozen	41.6	7,896	3,991	11,887	FMA Harvest
FC08004520471	5040802047	Frozen	56.3	14,669	1,432	16,101	FMA Harvest
FC08004522921	5040802292	Frozen	31.4	6,361	1,332	7,694	FMA Harvest
FC08004523451	5040802345	Frozen	33.5	9,221	850	10,071	FMA Harvest
FC08004527051	5040802705	Frozen	35.0	9,225	619	9,844	FMA Harvest
FC08103508371	5030810837	Frozen	50.3	11,834	2,995	14,829	FMA Harvest
FC08104512901	5040811290	Frozen	48.6	12,285	2,532	14,817	FMA Harvest
Totals			1,336.9	326,706	41,264	367,970	

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.

Watercourse Protection

Any confirmed watercourses have been buffered in accordance with the OGRs Section 6.0 Table 2. Necessary changes due to field verification will occur prior to operations.

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

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

Road ID	Crossing ID	AVI Stream Class
DLO3741	3576	Large permanent
DLO4492	0265	Beaver Pond
DLO4915	3166	Ephemeral
DLO4915	3156	Beaver Pond

Road ID	Crossing ID	AVI Stream Class
DLO3741	0625	Ephemeral
DLO4915	3276	Beaver Pond
DLO000981	0467	Small Permanent
DLO000981	2837	Small Permanent
DLO000981	3571	Small Permanent
DLO000981	2888	Small Permanent
DLO000981	2546	Small Permanent
DLO000981	0396	Intermittent
DLO000981	2666	Intermittent
DLO4492	2174	Ephemeral
DLO4492	2166	Ephemeral
DLO2100	0839	Ephemeral
RC07094521461	2616	Large permanent
RC07904506391	0184	Transitional
RC07904532991	3338	Ephemeral
RC07904520331	2063	Intermittent
RC07904521461	2787	Ephemeral
RC08004522981	2327	Ephemeral
RC08004523451	2336	Ephemeral
RC08004515491	1593	Ephemeral
RC08004528301	2864	Ephemeral
RC08004536081	2746	Ephemeral
RC08004523451	2326	Ephemeral
RC07904506331	0674	Ephemeral
RC07904519971	2034	Ephemeral
RC07904519971	2033	Ephemeral
RC08004511641	0269	Ephemeral
RC07904534771	3476	Ephemeral
RC08004503841	0383	Ephemeral
RC08004503841	0374	Ephemeral
RC08004506061	0146	Large permanent
RC08004501631	3649	Small Permanent
RC08004511361	1155	Small Permanent
RC08004502841	0271	Ephemeral
RC08004515491	1519	Ephemeral
RC08004522921	2223	Ephemeral
RC07904528891	3364	Ephemeral
RC07904521461	2863	Ephemeral

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.

Any deviations from the OGRs in relation to the in-block road % are noted in this report. Please refer to the *OGR Deviations* section of the report.

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	Class	Length, m
DLO000981	Temp	Frozen	4	29,431
DLO060190	Temp	Frozen	4	395
DLO2100	Temp	Frozen	4	3,976
DLO3741	Temp	Frozen	4	9,072
DLO4492	Temp	Frozen	4	5,418
DLO4915	Temp	Frozen	4	6,646
DLO910889	Temp	Frozen	4	423
LOC022891	Temp	Frozen	4	2,633
LOC030235	Temp	Frozen	4	1,166
LOC043125	Temp	Frozen	4	1,477
RC07804521531	Temp	Frozen	4	3,071
RC07904506331	Temp	Frozen	4	4,146
RC07904519971	Temp	Frozen	4	856
RC07904520331	Temp	Frozen	4	2,051
RC07904521461	Temp	Frozen	4	4,903
RC07904521821	Temp	Frozen	4	38
RC07904528891	Temp	Frozen	4	3,207
RC07904531671	Temp	Frozen	4	594
RC07904532991	Temp	Frozen	4	6,142
RC07904534551	Temp	Frozen	4	96
RC07904534771	Temp	Frozen	4	672
RC07904535481	Temp	Frozen	4	1,896
RC07904936971	Temp	Frozen	4	257
RC08003529531	Temp	Frozen	4	3,691
RC08003530601	Temp	Frozen	4	4,257
RC08004501051	Temp	Frozen	4	5,409
RC08004501631	Temp	Frozen	4	794
RC08004502431	Temp	Frozen	4	479

Road ID	Road Classification	Haul Season	Class	Length, m
RC08004502741	Temp	Frozen	4	1,129
RC08004502841	Temp	Frozen	4	1,034
RC08004503841	Temp	Frozen	4	1,090
RC08004504431	Temp	Frozen	4	45
RC08004505081	Temp	Frozen	4	306
RC08004506061	Temp	Frozen	4	3,317
RC08004508391	Temp	Frozen	4	381
RC08004510581	Temp	Frozen	4	1,573
RC08004510931	Temp	Frozen	4	304
RC08004511361	Temp	Frozen	4	2,728
RC08004511641	Temp	Frozen	4	2,356
RC08004512131	Temp	Frozen	4	3,833
RC08004512741	Temp	Frozen	4	1,031
RC08004514451	Temp	Frozen	4	1,700
RC08004514921	Temp	Frozen	4	416
RC08004515491	Temp	Frozen	4	3,489
RC08004515931	Temp	Frozen	4	2,596
RC08004516981	Temp	Frozen	4	1,159
RC08004520471	Temp	Frozen	4	2,717
RC08004521201	Temp	Frozen	4	2,212
RC08004522361	Temp	Frozen	4	648
RC08004522921	Temp	Frozen	4	3,020
RC08004522981	Temp	Frozen	4	2,524
RC08004523131	Temp	Frozen	4	684
RC08004523451	Temp	Frozen	4	1,482
RC08004523521	Temp	Frozen	4	22
RC08004524321	Temp	Frozen	4	3,967
RC08004524991	Temp	Frozen	4	1,261
RC08004527051	Temp	Frozen	4	2,434
RC08004527271	Temp	Frozen	4	1,344
RC08004528301	Temp	Frozen	4	6,303
RC08004536081	Temp	Frozen	4	3,205
RC08103506091	Temp	Frozen	4	387
RC08103507261	Temp	Frozen	4	97
RC08103508371	Temp	Frozen	4	1,852
RC08104501651	Temp	Frozen	4	1,147
RC08104511631	Temp	Frozen	4	4,227
RC08104512531	Temp	Frozen	4	761
RC08104512901	Temp	Frozen	4	3,441
RC08104513371	Temp	Frozen	4	1,001

Camp Locations

Table 4: Camp Locations - Proposed camp locations in the Planning Unit

SOURCE ID	OPENING NUMBER	LAT	LONG
FC08004536081	5040813608	281955.4758	6209682.9400
FC08004501051	5040800105	282467.8827	6200367.1200
FC07904532991	5040793299	275255.4637	6200714.0700

Land Use Information

Landuse 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

Table 5: Land Use Summary - Active dispositions in the planning unit

Disposition Number	Disposition Holder	Disposition Type
DLO03741	West Fraser Mills Ltd	DLO
DLO910889		
DLO2100		
DLO4915		
DLO000981	Alberta-Pacific Forest Industries Inc.	
DLO060190		
LOC33278	Firenze Energy Ltd	LOC
LOC33258		
LOC22891		
PLA61167	CNRL	PLA
PLA971943		
EZE160031	AB Powerline General Partner Ltd	EZE

Integration with Other Forest Users

Integration with Other Harvest Operators

This plan has been sent to the Quota Holders (West Fraser Mills Ltd. & Vanderwell Contractors) involved with the McMillan Lake Fire Salvage Plan in FMU S18, for sign-off. The FHP checklist will be updated once sign-off is received from the Quota Holders.

Registered Fur Management Areas (RFMA)

Notification letters were sent to the RFMA holders affected by the proposed harvest plan. 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.

Table 6: Trapper Areas - RFMA holders affected by harvest operations.

RFMA ID	Notification Method	Contact Method
1693	Letter	Mail
4	Letter	Mail
116	Letter	Mail
1502	Letter	Mail
278	Letter	Mail
70	Letter	Mail
2777	Letter	Mail

Wildlife Management Unit(s) (WMU)

Planning Unit 080045F 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

Table 7: Guide and Outfitters - List of Guide and Outfitters active in WMU 542

Guide & Outfitter ID Number/ Name	Date	Contact Method
Blue Bronna Outfitting	12-Aug-19	Letter
Northern Adventure Hunts	12-Aug-19	Letter
Wide North Outfitters Ltd.	12-Aug-19	Letter
North Alberta Outfitters	12-Aug-19	Letter
Northern Wilderness Outfitters	12-Aug-19	Letter
Three Rivers Adventures	12-Aug-19	Letter
Northern Edge Outfitting Ltd.	12-Aug-19	Letter
Grizzly Mountain Outfitters	12-Aug-19	Letter

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 Sensitive Areas

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

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

Table 8: OGR Deviations - Road Percentage Deviations: 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 (Frozen/ Non-Frozen)	Road Percentage	Road Percentage Reason
FC07904506331	5040790633	57.8	Frozen	7.1	Access to other blocks
FC07904520331	5040792033	10.1	Frozen	9.2	Access to other blocks
FC07904521461	5040792146	7.7	Frozen	6.0	Narrow/irregular block
FC07904521531	5040792153	30.7	Frozen	5.0	Access to other blocks
FC07904528891	5040792589	19.7	Frozen	9.4	Narrow/irregular block
FC07904532991	5040793299	104.8	Frozen	7.0	Narrow/irregular block
FC07904534771	5040793477	10.9	Frozen	8.1	Narrow/irregular block
FC07904535481	5040793567	22.4	Frozen	7.1	Access to other blocks
FC08003530601	5030803060	14.1	Frozen	7.1	Access to other blocks
FC08004501051	5040800105	41.3	Frozen	6.7	Access to other blocks
FC08004502841	5040800284	10.8	Frozen	6.3	Access to other blocks
FC08004503841	5040800384	10.2	Frozen	8.0	Access to other blocks
FC08004506061	5040800606	19.1	Frozen	7.9	Narrow/irregular block
FC08004508391	5080800839	7.6	Frozen	5.2	Narrow/irregular block
FC08004510581	5040801058	8.0	Frozen	10.5	Narrow/irregular block
FC08004510731	5040801073	9.0	Frozen	5.8	Narrow/irregular block
FC08004511361	5040801136	10.8	Frozen	9.4	Access to other blocks
FC08004511641	5040801164	16.7	Frozen	9.6	Access to other blocks
FC08004512131	5040801213	37.3	Frozen	6.6	Access to other blocks
FC08004512741	5040801274	11.0	Frozen	5.6	Access to other blocks
FC08004514451	5040801445	11.5	Frozen	12.1	Access to other blocks
FC08004514921	5040801492	17.0	Frozen	6.3	Large timber/high volume
FC08004515491	5040801549	34.3	Frozen	7.1	Access to other blocks
FC08004515541	5040801554	16.6	Frozen	6.8	Access to other blocks
FC08004515931	5040801593	41.6	Frozen	6.3	Access to other blocks
FC08004516981	5040801698	8.1	Frozen	8.1	Access to other blocks
FC08004520471	5040802047	56.3	Frozen	5.0	Access to other blocks
FC08004522361	5040802236	11.3	Frozen	8.7	Access to other blocks
FC08004522921	5040802292	31.4	Frozen	5.9	Access to other blocks
FC08004522981	5040802298	23.9	Frozen	7.5	Narrow/irregular block
FC08004523131	5040802313	8.9	Frozen	9.3	Narrow/irregular block
FC08004524321	5040802432	53.6	Frozen	5.9	Large timber/high volume

Source ID	Opening Number	Block Area (ha)	Harvest Season (Frozen/ Non-Frozen)	Road Percentage	Road Percentage Reason
FC08004527051	5040802705	35.0	Frozen	6.0	Access to other blocks
FC08004527271	5040802727	15.4	Frozen	8.8	Access to other blocks
FC08004528301	5040802830	64.2	Frozen	6.0	Access to other blocks
FC08004536081	5040813608	19.1	Frozen	5.9	Access to other blocks
FC08103507261	5030810726	7.1	Frozen	5.0	Narrow/irregular block
FC08103508371	5030810837	50.3	Frozen	5.6	Access to other blocks
FC08104501651	5040810165	18.3	Frozen	7.0	Access to other blocks
FC08104511631	5040811163	45.2	Frozen	5.2	Access to other blocks
FC08104512531	5040811253	7.8	Frozen	5.0	Access to other blocks
FC08104512901	5040811290	48.6	Frozen	5.1	Access to other blocks
FC08104513371	5040811337	45.7	Frozen	5.4	Narrow/irregular block
FC08004521201	5040802120	37.1	Frozen	5.0	Access to other blocks

Table 8.1: OGR Deviations – Road Within Watercourse Buffer

Source ID	Harvest Season (Frozen/ Non-Frozen)	Buffer	Reason
FC08004506061	Frozen	Large Perm	Inter block road comes within 100m of creek due operational constraints.
FC07904536491	Frozen	Large Perm	Inter block road comes within 100m of creek due operational constraints.

Appendix 1 – FHP Block Maps

Appendix 2 – FHP Overview Map

Appendix 3 – Variance Table

Appendix 4 – Variance Map

12.0 Validation by Registered Forest Practitioner

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

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