

# Forest Management Plan Approval Decision

## Forest Management Unit P20 Manning Diversified Forest Products Ltd.

Forest Management Agreement #0200041



**Date: November 8, 2013**  
**Effective: May 1, 2012**

*Signed original  
copy on file*  
**Approved by: \_\_\_\_\_**  
**Darren Tapp, MBA, MF, RPF**  
**Executive Director,**  
**Forest Management Branch**

## ***Executive Summary***

*The Manning Diversified Forest Products Ltd. (MDFP) Forest Management Plan (FMP) dated June 30, 2013, and revised October 15, 2013, is approved subject to the satisfactory completion of the Approval Conditions presented in this document.*

*The Conditions herein are consistent with the terms of the Forest Management Agreement (FMA). Failure by MDFP to fulfill the direction provided in this Approval Decision will place the Company in default of its FMA.*

*The Forest Management Plan has been validated<sup>1</sup> by a Regulated Forestry Professional (RFP). The department recognizes RFP-validated work as complete, accurate, and prepared with professional due diligence. The FMP has been reviewed and approved by Alberta Government RFPs.*

## ***Approval Decision Conditions***

<b><i>Approval Condition</i></b>	<b><i>Page</i></b>	<b><i>Requirement</i></b>	<b><i>Approval Authority</i></b>	<b><i>Date</i></b>
<i>1.1</i>	<i>3</i>	<i>Public Consultation</i>	<i>Approvals Manager, Peace Region</i>	<i>Ongoing</i>
<i>1.2</i>	<i>3</i>	<i>First Nations Consultation</i>	<i>Approvals Manager, Peace Region</i>	<i>Ongoing</i>
<i>2.1</i>	<i>4</i>	<i>Mountain Pine Beetle</i>	<i>Approvals Manager, Peace Region</i>	<i>Ongoing</i>
<i>3.1</i>	<i>5</i>	<i>Spatial Harvest Sequence</i>	<i>Senior Manager, Forest Resource Management; Approvals Manager, Peace Area</i>	<i>Ongoing</i>
<i>4.1</i>	<i>5</i>	<i>Woodland Caribou</i>	<i>Senior Manager, Forest Resource Management</i>	<i>Ongoing</i>
<i>5.1</i>	<i>6</i>	<i>Growth and Yield Program</i>	<i>Senior Manager, Forest Resource Analysis</i>	<i>September 1, 2014</i>
<i>7.1</i>	<i>6</i>	<i>Delivered Timber Volume Monitoring Program</i>	<i>Senior Manager, Timber Production, Auditing and Revenue</i>	<i>April 30, 2014</i>
<i>8.1</i>	<i>7</i>	<i>Performance Monitoring</i>	<i>Senior Manager, Forest Resource Management</i>	<i>May 1, 2017</i>
<i>9.1</i>	<i>7</i>	<i>Future Forest Management Plans</i>	<i>Executive Director, Forest Management Branch</i>	<i>May 1, 2022</i>

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<sup>1</sup> Refer to the FMPS, Annex 2 for professional validation requirements.

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## ***Executive Summary***

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## ***Approval Decision Conditions***

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<sup>1</sup> Refer to the *FMPS, Annex 2* for professional validation requirements.

### ***Approved Annual Allowable Cuts***

*The Approved Annual Allowable Cuts (AAC) for May 1, 2012 – Apr. 30, 2022 are:*

- *Primary coniferous AAC: 526,500 m<sup>3</sup> per year*
- *Secondary coniferous AAC: 65,200 m<sup>3</sup> per year*
- *Primary deciduous AAC: 174,100 m<sup>3</sup> per year*
- *Secondary deciduous AAC: 151,400 m<sup>3</sup> per year*

*Refer to Tables 1 and 6 for the Historical Allocations, Tables 2 and 7 for the Approved Annual Allowable Cuts, and Tables 3 and 8 for the Quadrant Allowable Cuts.*

### ***Authorization***

*The Forest Management Plan for Forest Management Unit P20 dated June 30, 2013, and revised October 15, 2013, is approved subject to the Approval Conditions and Annual Allowable Cuts (Tables 2 and 7) presented in this Approval Decision.*

*This Forest Management Plan replaces the FMP approved December 14, 2007.*

*The AACs are effective beginning May 1, 2012.*

*The SHS is effective beginning May 1, 2012.*

*The next FMP is due by May 1, 2022.*

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## **Introduction**

Forest Management Plans (FMPs) are prepared by forest industry companies to meet the Forest Management General Provisions of Forest Management Agreements (FMAs). Acceptable FMPs are approved by the Executive Director, Forest Management Branch (FMB), Forestry and Emergency Response Division, Department of Environment and Sustainable Resource Development (the department). This Approval Decision presents the Conditions of Approval for the Manning Diversified Forest Products Ltd. (MDFP) FMP dated June 30, 2013 and revised October 15, 2013.

The Conditions herein are consistent with the terms of the FMA. Failure by MDFP to fulfill the direction provided in this Approval Decision will place the Company in default of its FMA. The Conditions are non-negotiable.

The FMP has been validated by a Regulated Forestry Professional (RFP). The department recognizes RFP-validated work as complete, accurate, and prepared with professional due diligence. The FMP has been reviewed and approved by Alberta Government RFPs.

## **Forest Management Planning Area**

The forest management planning area under consideration is Forest Management Agreement #0200041, allocated to MDFP through Order-in-Council (O.C. 250/2009).

The MDFP FMA (Forest Management Unit P20) is located in northwestern Alberta and spans the Central Mixedwood, Dry Mixedwood, Lower Boreal Highlands and Upper Boreal Highlands Natural Subregions. It falls within the Lower Peace and Upper Peace Land-use Framework regions.

## **Background**

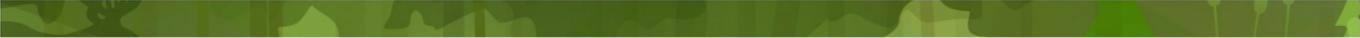
The new FMP was prepared according to the *Alberta Forest Management Planning Standard* (ver. 4.1, 2006; hereafter, FMPS). The FMP introduces new information for planning, implementing and monitoring forestry operations on the FMA.

The publication of this Approval Decision concludes the department's appraisal of MDFP's FMP.

## **Approval Decision Scope**

This Approval Decision addresses the MDFP FMP dated June 30, 2013, and revised October 15, 2013. It supersedes previous FMPs, timber supply analyses, and their associated approval conditions. All timber operators within the FMA area shall conduct their activities in accordance with the approved FMP and the Conditions of this Approval Decision.

MDFP shall meet the requirements of the Approval Decision Conditions unless the Executive Director, FMB, agrees to alternate requirements in writing.



In this document, **bolded text** identifies specific timelines, requirements, and the department senior manager accountable for the review. Non-bolded text presents the rationale for the condition and specific considerations to be addressed to meet the Condition.

In the event of an inconsistency between the FMP, the Approval Decision and existing, new or revised legislation or regulation, the legislation or regulation shall apply.

### **Watershed Management**

MDFP incorporated Alberta's ECA model into their timber supply analysis, and constrained harvesting to minimize changes in hydrologic yield. All watersheds were assessed low risk, with predicted hydrologic yield increases less than 20%.

### **Forest Management Plan Approval Conditions**

The Approval Conditions direct MDFP to complete additional work to enhance the information presented. The department posts approved FMPs on its website to support public access to plans. MDFP remains obligated to make the approved FMP available to the public.

## **1.0 Public and First Nations Consultation**

Alberta, through the FMA Order-in-Council and *Alberta's First Nations Consultation Guidelines on Land Management and Resource Development* delegates the responsibility for public and First Nations consultation on proposed FMPs to the FMA holder. Following meaningful consultations, the company is required to address the results of these consultations in the FMP.

MDFP completed adequate First Nations consultation on strategic-level planning decisions. It also engaged in reasonable and ongoing public and stakeholder consultation, and addressed the issues raised to the extent possible given the limited scope of the FMP. MDFP is encouraged to maintain its efforts to conduct meaningful public and First Nations consultation throughout FMP implementation.

### ***Approval Condition 1.1 Public Consultation***

**All companies shall keep written documentation of the issues and comments raised by the public during operational plan consultation, as well as responses and actions to address the concerns.**

### ***Approval Condition 1.2 First Nations Consultation***

**All companies shall:**

- i. Adhere to Alberta's First Nations Consultation Guidelines on Land Management and Resource Development for the following:**
  - a. Continue to consult with First Nations (as identified by the Government of Alberta) during operational plan development.**
  - b. Make specific enquiries during First Nations consultation (per the Guidelines, above) to identify how and where planned forest management activities may affect:**
    - treaty rights to hunt, trap and fish for food; and**
    - traditional use of the FMA area.**
- ii. Document consultation efforts and activities, issues raised and company responses. This documentation shall be made available to the Government of Alberta upon request.**

## 2.0 Mountain Pine Beetle

The mountain pine beetle (MPB) infestation extends into the MDFP FMA, which is classified as Inactive Holding Zone where successful mitigation is unlikely. Therefore, all companies must optimize the recovery of merchantable coniferous fibre from dead, infested and MPB-susceptible pine timber.

Each company's ongoing and timely communication with local department staff is essential to access affected timber and manage the MPB infestation. MDFP is encouraged to continue its efforts to keep the public and stakeholders advised of its operational plans and accomplishments in addressing the MPB infestation.

### *Approval Condition 2.1 Mountain Pine Beetle*

**All companies shall discuss priorities and coordinate efforts for mountain pine beetle control, timber salvage and forest renewal activities with the Approvals Manager, Peace Region.**

## 3.0 Spatial Harvest Sequence

The spatial (mapped) harvest sequence (SHS) is the most important output of the FMP as it provides the implementation strategy timber operators must follow to achieve the forecasted future forest condition. While dependent on many factors, the future condition is strongly influenced by harvest patterns, intensity and schedules. It presents spatially and temporally how the integration of environmental, economic, and social values will be achieved on the FMA. Adherence to a properly planned harvest sequence is imperative. The department recognizes that changes to the SHS may be required to manage future mountain pine beetle infestations as they are found.

### *Approval Condition 3.1 Spatial Harvest Sequence*

- i. All companies shall follow the mapped twenty-year harvest sequence as presented in the FMP.**
- ii. Timber disposition holders may modify the SHS by deleting and replacing stands from the net landbase, provided the deletions include no more than 20% of the total sequenced area in each compartment per decade. Stands may be added from the passive landbase subject to department approval. Harvesting may not exceed 100% of the total area within the SHS by compartment, by decade.**
- iii. When replacing deleted stands, preference shall be given to stands from the second ten-year period of the SHS (years 2021-2030). Where this is not feasible, replacements may be from any other stands identified in the approved net or passive landbase of the FMP, subject to department approval, with priority given to pine stands that are ranked highly susceptible to MPB infestations.**
- iv. Should companies exceed the variance described in (ii), the Approvals Manager, Peace Region, may require the completion of a Compartment Assessment and the Senior Manager, Forest Resource Management, may recommend the adjustment of the approved annual allowable cut (AAC) to reflect the impact of the variance.**
- v. The department requires the variance from the SHS to be reported annually. The five-year Stewardship Report will include an analysis of the cumulative variance from the SHS, describing the impacts of the variance on forecasts made in the FMP.**
- vi. Generally, the department will not request a modification to the approved harvest sequence unless required by a change in legislation or a policy approved by the Minister.**

### **4.0 Woodland Caribou**

The MDFP FMA falls within the range of the Chinchaga caribou herd. Alberta is preparing range plans for woodland caribou. When a range plan encompassing the Chinchaga herd has been approved, the FMP and operational plans shall be revised to align with it.

### *Approval Condition 4.1 Woodland Caribou*

**Alberta is preparing range plans for woodland caribou. When applicable plans are approved, MDFP shall review its plan with the department to ensure its alignment and compliance with any new requirements.**

## 5.0 Growth and Yield

MDFP, the department and other forest companies are cooperating on the Provincial Growth and Yield Initiative, investigating a new ecology-based system which will alter permanent sample plot requirements.

If the initiative fails to produce new requirements in a timely manner, MDFP will amend its program to achieve consistency between its growth and yield program; landbase; and FMP.

### *Approval Condition 5.1 Growth and Yield Program*

- i. **MDFP is required to continue measurements committed to in its existing growth and yield plan until a revised plan is approved.**
- ii. **By September 1, 2014, independent of the success of the Provincial Growth and Yield Initiative, MDFP will submit a revised growth and yield plan consistent with department requirements, acceptable to the Senior Manager, Forest Resource Analysis.**

## 6.0 Approved AACs and Allocations

The Approved Annual Allowable Cuts (AAC) for May 1, 2012 – Apr. 30, 2022 are:

- Primary coniferous AAC: 526,500 m<sup>3</sup> per year
- Secondary coniferous AAC: 65,200 m<sup>3</sup> per year
- Primary deciduous AAC: 174,100 m<sup>3</sup> per year
- Secondary deciduous AAC: 151,400 m<sup>3</sup> per year

Refer to Tables 1 and 6 for the Historical Allocations, Tables 2 and 7 for the Approved Annual Allowable Cuts, and Tables 3 and 8 for the Quadrant Allowable Cuts.

## 7.0 Delivered Timber Volume Monitoring and Reporting

Delivered timber volumes must be monitored and reported to allow comparisons of forecasted volumes with harvested volumes. Collection and analysis of this information will be used in conjunction with Permanent Sample Plot data to adjust yield forecasts.

### *Approval Condition 7.1 Delivered Timber Volume Monitoring Program*

**By April 30, 2014, MDFP shall develop a program that compares delivered merchantable timber volumes to harvested area yield forecasts. Results will be reported annually, and periodically in the Stewardship Report. This program must be acceptable to the Senior Manager, Timber Production, Auditing and Revenue.**

## **8.0 Performance Monitoring and Reporting**

Annual Reports and 5-year Stewardship Reports are used to monitor the successful implementation of FMPs.

### ***Approval Condition 8.1 Performance Monitoring***

- i. MDFP shall prepare reports annually and Stewardship Reports that document the operational performance of each timber operator's activities implementing the FMP. All timber operators shall cooperate in providing supporting information to MDFP. Where variances from the planned outcomes exist, analyses shall discuss the reasons for the variances and describe each timber operator's corrective action, taken or proposed.**
- ii. By May 1, 2017 a Stewardship Report current to that date and acceptable to the Senior Manager, Forest Resource Management shall be prepared for department review. MDFP shall seek guidance from the department on required content.**

## **9.0 Future Forest Management Plans**

To address changes and uncertainty in their FMA area, MDFP has provided this FMP in advance of the date originally required in section 10(1) of the FMA (O.C. 250/2009). MDFP has requested that the next FMP be due on a timeline consistent with the current submission. MDFP shall prepare an updated Forest Management Plan for department review in 2022, unless otherwise approved by the Minister.

### ***Approval Condition 9.1 Future Forest Management Plans***

- i. By May 1, 2022, MDFP shall submit a new FMP for department review that meets the FMPS unless otherwise approved by the Minister.**

## **10.0 Authorization**

The Forest Management Plan for Forest Management Unit P20 dated June 30, 2013, and revised October 15, 2013, is approved subject to the Approval Conditions and Annual Allowable Cuts (Tables 2 and 7) presented in this Approval Decision.

This Forest Management Plan replaces the FMP approved December 14, 2007.

The AACs are effective beginning May 1, 2012.

The SHS is effective beginning May 1, 2012.

The next FMP is due by May 1, 2022.

**Table 1. Historical Coniferous Allocations and Annual Allowable Cuts**

FMU	Company Name	Disposition Number	Landbase Management Type	Source	Primary Disposition Allocation (%)	Primary Coniferous AAC (m <sup>3</sup> ) 15+/11/30 cm	Secondary Disposition Allocations (%)	Secondary Coniferous AAC (m <sup>3</sup> ) 0	Total Approved AAC (m <sup>3</sup> )
P20	Manning Diversified Forest Products Ltd.	FMA0200041	Separate Distinct	FMA-Only		337,969		20,005	357,974
P20		Local Use	Separate Distinct	FMA-Only		3,414		202	3,616
P20	FMA AAC Subtotal	FMA0200041	Separate Distinct	FMA-Only		341,383		20,207	361,590
P20	Gordon Buchanan Enterprises Ltd.	CTQP200001	Separate Distinct	All-FMU	2.8898%	10,159	8.6689%	1,918	12,077
<b>FMU P20 Total</b>						<b>351,542</b>		<b>22,125</b>	<b>373,667</b>

Notes:  
Effective date - May 1, 2010

**Table 2. Approved Coniferous Allocations and Annual Allowable Cuts**

Effective Date: May 1, 2012

FMU	Company Name	Disposition Number	Landbase Management Type	Source	Primary Disposition Allocation (%)	Primary Coniferous AAC (m <sup>3</sup> ) 15+/11/30 cm	Secondary Disposition Allocations (%)	Secondary Coniferous AAC (m <sup>3</sup> ) 15+/11/30 cm	Total Approved AAC (m <sup>3</sup> )
P20	<i>Manning Diversified Forest Products Ltd.</i>	<i>FMA0200041</i>	<i>Separate Distinct</i>	<i>FMA-Only</i>		506,172		58,953	565,125
P20		<i>Local Use</i>	<i>Separate Distinct</i>	<i>FMA-Only</i>		5,113		595	5,708
P20	FMA AAC Subtotal	FMA0200041	Separate Distinct	FMA-Only		511,285		59,548	570,833
P20	Gordon Buchanan Enterprises Ltd.	CTQP200001	Separate Distinct	FMA-Only	2.8898%	15,215	8.6689%	5,652	20,867
<b>FMU P20 Total</b>						<b>526,500</b>		<b>65,200</b>	<b>591,700</b>

Notes:

The volume percentages for CTQP200001 represent that quota's proportion of the conifer AAC calculated for the FMA. However, the volume was sequenced entirely from the former P18 forest management unit, as described on page 17, Chapter 7 of the 2012-2021 MDFP FMP.

**Table 3. Coniferous Periodic Allowable and Quadrant Authorized Allowable Cuts**

3.1	P20	Manning Diversified Forest Products Ltd.		Disposition: FMA0200041						
		Period Start: 1-May-12		Period End: 30-Apr-17						
		Period Segment Start Date	Period Segment End Date	Years in Period Segment	Primary Approved Harvest Level (m <sup>3</sup> /yr)	Secondary Approved Harvest Level (m <sup>3</sup> /yr)	Primary PAC Contribution (m <sup>3</sup> )	Secondary PAC Contribution (m <sup>3</sup> )	Total PAC Contribution (m <sup>3</sup> )	Notes
		1-May-12	30-Apr-17	5	511,285	59,548	2,556,425.0000	297,740.0000	2,854,165.0000	
		Periodic Reconciliation Volume (m <sup>3</sup> )					0	0	0	
<b>PAC Total</b>					<b>2,556,425</b>	<b>297,740</b>	<b>2,854,165</b>			
3.2	P20	Gordon Buchanan Enterprises Ltd.		Disposition: CTQP200001						
		Quadrant Start 1-May-12		Quadrant End 30-Apr-17						
		Quadrant Segment Start Date	Quadrant Segment End Date	Years in Quadrant Segment	Primary Approved Harvest Level (m <sup>3</sup> /yr)	Secondary Approved Harvest Level (m <sup>3</sup> /yr)	Primary Quadrant Contribution (m <sup>3</sup> )	Secondary Quadrant Contribution (m <sup>3</sup> )	Total Quadrant Contribution (m <sup>3</sup> )	Notes
		1-May-12	30-Apr-17	5	15,215	5,652	76,075.0000	28,260.0000	104,335.0000	Effective November 1, 2013, the original quadrant date of May 1, 2009 to April 30, 2014 was terminated at April 30, 2012. The new quadrant will run from May 1, 2012 to April 30, 2017 in order to have this quadrant date line up with the other quadrant and period dates within this FMU.
		Quadrant Reconciliation Volume (m <sup>3</sup> )					0	0	0	
<b>QAAC Total</b>					<b>76,075</b>	<b>28,260</b>	<b>104,335</b>			

**Table 4. Manning Diversified Forest Products Ltd. FMA Coniferous Chargeability**  
**Effective Date: May 1, 2012**

FMU	Company Name	Disposition Number	Coniferous Species Used in AAC	Species NOT Chargeable to AAC	Rights to Species NOT Chargeable to AAC	Structure Retention (%)	Structure Retention (%) Accounted for in AAC	Net Landbase Deletions and Deferrals	Net Landbase Deletions and Deferrals: Rights to Timber	Industrial Salvage Chargeability Strategy
All dispositions and FMUs (unless otherwise noted)			All	None	N/A	3% of merchantable area	AAC has not been reduced to account for structure retention. Structure retention is AAC chargeable. See Appendix 5, Structure Retention Strategy, 2012-2021 FMP.	See Annex 5, Landbase - 2012-2021 FMP	Deletions and deferrals do not contribute to the AAC.	All industrial salvage volumes are AAC chargeable. Appendix 2, page 68, Chapter 7, 2012-2021 FMP

**Table 5. Manning Diversified Forest Products Ltd. FMA Coniferous Utilization**  
**Effective Date: May 1, 2012**

FMU	Company Name	Disposition Number	AAC Type	Cover Group / Species	Utilization used to determine Harvest Level in PFMS				Operational Utilization				
					Top Diameter (cm)	Stump Diameter (cm)	Minimum Length (m)	Stump Height (cm)	Top Diameter (cm)	Stump Diameter (cm)	Minimum Length (m)	Stump Height (cm)	Coniferous Harvest Level (m <sup>3</sup> /yr) based on Operational Utilization
All dispositions, FMUs and AAC types (unless otherwise noted)			All	All	11	15+	2.60	30	N/A	N/A	N/A	N/A	N/A

**Table 6. Historical Deciduous Allocations and Annual Allowable Cuts**

FMU	Company Name	Disposition Number	Landbase Management Type	Source	Primary Deciduous AAC (m <sup>3</sup> ) 15+/10/30 cm	Secondary Deciduous AAC (m <sup>3</sup> ) 0	Total Approved AAC (m <sup>3</sup> )
P20	Daishowa-Marubeni International Ltd.	DTAP200001	Separate Distinct	All-FMU	107,074	185,606	292,680
<b>FMU P20 Total</b>					<b>107,074</b>	<b>185,606</b>	<b>292,680</b>

**Table 7. Approved Deciduous Allocations and Annual Allowable Cuts**

Effective Date: May 1, 2012

FMU	Company Name	Disposition Number	Landbase Management Type	Source	Primary Deciduous AAC (m <sup>3</sup> ) 15+/10/30 cm	Secondary Deciduous AAC (m <sup>3</sup> ) 15+/10/30 cm	Total Approved AAC (m <sup>3</sup> )
P20	<i>Daishowa-Marubeni International Ltd.</i>	<i>DTAP200001</i>	<i>Separate Distinct</i>	<i>All-FMU</i>	<i>172,359</i>	<i>149,886</i>	<i>322,245</i>
P20		<i>Local Use</i>	<i>Separate Distinct</i>	<i>All-FMU</i>	<i>1,741</i>	<i>1,514</i>	<i>3,255</i>
P20	FMA AAC Subtotal	DTAP200001	Separate Distinct	All-FMU	174,100	151,400	325,500
	<b>FMU P20 Total</b>				<b>174,100</b>	<b>151,400</b>	<b>325,500</b>
	<b>FMA Total</b>				<b>174,100</b>	<b>151,400</b>	<b>325,500</b>

**Table 8. Deciduous Periodic Allowable and Quadrant Authorized Allowable Cuts**

8.1	P20	Daishowa-Marubeni International Ltd.		Disposition: DTAP200001						
		Quadrant Start 1-May-12		Quadrant End 30-Apr-17						
		Quadrant Segment Start Date	Quadrant Segment End Date	Years in Quadrant Segment	Primary Approved Harvest Level (m <sup>3</sup> /yr)	Secondary Approved Harvest Level (m <sup>3</sup> /yr)	Primary Quadrant Contribution (m <sup>3</sup> )	Secondary Quadrant Contribution (m <sup>3</sup> )	Total Quadrant Contribution (m <sup>3</sup> )	Notes
		1-May-12	30-Apr-17	5	174,100	151,400	870,500.0000	757,000.0000	1,627,500.0000	
Quadrant Reconciliation Volume (m <sup>3</sup> )						58,730	211,691	270,421	2009-2012 adjustment volume.	
<b>QAAC Total</b>						<b>929,230</b>	<b>968,691</b>	<b>1,897,921</b>		

**Table 9. Manning Diversified Forest Products Ltd. FMA Deciduous Chargeability**  
 Effective Date: May 1, 2012

FMU	Company Name	Disposition Number	Deciduous Species Used in AAC	Species NOT Chargeable to AAC	Rights to Species NOT Chargeable to AAC	Structure Retention (%)	Structure Retention (%) Accounted for in AAC	Net Landbase Deletions and Deferrals	Net Landbase Deletions and Deferrals: Rights to Timber	Industrial Salvage Chargeability Strategy
All dispositions and FMUs (unless otherwise noted)			All	None	N/A	3% of merchantable area	AAC has not been reduced to account for structure retention. Structure retention is AAC chargeable. See Appendix 5, Structure Retention Strategy, 2012-2021 FMP.	See Annex 5, Landbase - 2012-2021 FMP	Deletions and deferrals do not contribute to the AAC.	All industrial salvage volumes are AAC chargeable. Appendix 2, page 68, Chapter 7, 2012-2021 FMP

**Table 10. Manning Diversified Forest Products Ltd. FMA Deciduous Utilization**  
**Effective Date: May 1, 2012**

FMU	Company Name	Disposition Number	AAC Type	Cover Group / Species	Utilization used to determine Harvest Level in PFMS				Operational Utilization				
					Top Diameter (cm)	Stump Diameter (cm)	Minimum Length (m)	Stump Height (cm)	Top Diameter (cm)	Stump Diameter (cm)	Minimum Length (m)	Stump Height (cm)	Deciduous Harvest Level (m <sup>3</sup> /yr) based on Operational Utilization
All dispositions, FMUs And AAC Types(unless otherwise noted)			All		10	15+	2.60	30	N/A	N/A	N/A	N/A	N/A

**Table 11. Fiber Transfer Agreements within the Manning Diversified Forest Products Ltd. FMA Area**

<b>Source Company</b>	<b>Source Disposition Number</b>	<b>Transfer Type</b>	<b>Company Directed To</b>	<b>Species Group</b>	<b>Volume (m<sup>3</sup>/yr)</b>	<b>Comments</b>
N/A	N/A	N/A	N/A	N/A	N/A	N/A