



# Harvest Block Summary Form

## Block MR-1411 A

Last Prescription Revision: December 29, 2008.

### Block Location

Forest Section	<u>Lake Winnipeg East</u>	FMU	<u>31</u>	Twp/ Rge	<u>t24r11ep</u>	Ortho Tile(s) #	<u>7005650</u>
Op. Area	<u>Manitogan River</u>	Road Mgmt Plan	<u>-----</u>	Access Route	<u>Wanipigow South Road</u>		

### AORP Plan

Year of Harvest	<u>2009/2010</u>	Contingency Block	<u>Yes</u>
Cut Season(s)	<u>All Season</u>	Contingency Criteria	<u>To provide additional volume if required.</u>
Planned Area (ha)	<u>80.83</u>		
Reason(s) for Exceeding 100 ha	<u>N/A</u>		
Contractor	<u>Unknown</u>		
Company Supervisor	<u>Not Applicable</u>		
Harvest Equipment	<u>Unknown</u>		

### Block Review / Approval Dates

IRMT 1st Review	<u>-----</u>
Subsequent Review(s):	<u>-----</u>
Technical Review Completed	<u>-----</u>
Commencement Date	<u>N/A</u>
Final Inspection Date	<u>-----</u>

### Block Strata Description

- Based on 10 Plots  
- Based on Preharvest Survey Completed July 24, 2001.

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	<b>JP10</b>					
		<b>70%</b>	<b>20%</b>		<b>10%</b>											
Topography	Flat	Undul.	Rough	Very Rough						FEC Vtype	<b>V25 (40), V26 (30), V16 (10), V24 (10), V28 (10)</b>					
	<b>20%</b>	<b>60%</b>	<b>20%</b>			<b>9%</b>										
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated							Stand Structure	Volume (m3)					
	<b>20%</b>	<b>80%</b>								Age (yr)	Ht (m)	DBH (cm)	For Harvest Available	Planned		
Soil Depth	Deep	Moderate	Shallow	Rocky						JP	<b>60</b>	<b>21</b>	<b>19</b>	Pine	13,448.0	-
	<b>20%</b>	<b>20%</b>	<b>30%</b>	<b>30%</b>						BF	<b>49</b>	<b>17</b>	<b>13</b>	Spruce	607.8	-
Snags/Hectare	Softwood		<12 cm	12-30cm	>30 cm					BS				Other Softwood	-	-
	Hardwood	<b>780</b>	<b>60</b>							WS				<b>Total Softwood</b>	<b>14,055.8</b>	-
Stems / Hectare	Merchantable Softwood									L				Poplar	122.9	-
	Merchantable Hardwood									TA				Other Hardwood	-	-
	Non-Merchantable									BP				<b>Total Hardwood</b>	<b>122.9</b>	-
										OH				<b>Total Volume</b>	<b>14,178.7</b>	-

- Percentages displayed on this page are rounded and thus may add up to over 100%.

### Forest Renewal Strategy

	Leave for Natural	Drag	Alternate Strip	Disc Trench	Disc Trench or Drag	Herbicide & Disc Trench	Alternate Strip & Herbicide
Treatment Unit		JP-C sh-rck JP-C dp-thinO (90%)				JP-M (10%)	
Treatment Type		Natural Regeneration				Plant	
Target Species		Jack Pine				Jack Pine Black Spruce	
Manitoba Conservation Standard		Softwood				Softwood	



## Harvest Block Summary Form Block MR-1411 A

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### Block Mitigation

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#### Harvest & Renewal Design

Mature softwood - Harvest softwood and incidental Poplar, retain hardwood or softwood patches and or scattered trees where line of sight may be a problem.

Use rock outcrops where applicable to help address line of sight concerns.

A 750 meter park reserve remains along the Manigotagan River

Block 1402 and 1410 were surveyed prior to the year 2000 and thus do not have the survey detail as our current surveys.

As a result no individual harvest block summaries will be provided for these blocks. Any mitigable detail will be included with block 1411 as well as on the plan map.

No spraying within proposed buffers and park reserve.

A total of 3.6 kilometers of class 3 B roads and 4.8 kilometers of class 4 winter roads is prescribed for the block which includes blocks 1401, 1402 and 1410.

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#### In-Block Watercourses

A 100 meter buffer is prescribed from the waters edge for each creek and lake as per the plan block map. This will result in a variable width treed buffer due to the variability of the riparian zone width.

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#### Public / Other Resource Users Concerns -- Company Action

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# Harvest Block Summary Form

## Block MR-1411 B

Last Prescription Revision: December 29, 2008.

### Block Location

Forest Section	<u>Lake Winnipeg East</u>	FMU	<u>31</u>	Twp/ Rge	<u>t24r11ep</u>	Ortho Tile(s) #	<u>7005650</u>
Op. Area	<u>Manigotagan River</u>	Road Mgmt Plan	<u>-----</u>	Access Route	<u>Wanipigow South Road</u>		

### AORP Plan

Year of Harvest	<u>2009/2010</u>	Contingency Block	<u>Yes</u>
Cut Season(s)	<u>Winter</u>	Contingency Criteria	<u>To provide additional volume if required.</u>
Planned Area (ha)	<u>5.26</u>		
Reason(s) for Exceeding 100 ha	<u>N/A</u>		
Contractor	<u>Unknown</u>		
Company Supervisor	<u>Not Applicable</u>		
Harvest Equipment	<u>Unknown</u>		

### Block Review / Approval Dates

IRMT 1st Review	<u>-----</u>
Subsequent Review(s):	<u>-----</u>
Technical Review Completed	<u>-----</u>
Commencement Date	<u>N/A</u>
Final Inspection Date	<u>-----</u>

### Block Strata Description

- Based on 4 Plots  
- Based on Preharvest Survey Completed July 24, 2001

Surface Soil Text	Gravel Sand S. Loam Loam C. Loam Clay Silt Deep Organic 100% Shallow Organic	Species Composition	<b>BS10</b>
Topography	Flat 100% Undul. Rough Very Rough	% Bedrock for Rough & Very Rough	FEC Vtype <b>V30 (100)</b>
Soil Moisture	Arid / Dry 100% Moist / Very Moist Wet / Saturated	Stand Structure	Volume (m3) For Harvest Available Planned
Soil Depth	Deep 25% Moderate 75% Shallow Rocky	Age (yr) Ht (m) DBH (cm)	
Snags/Hectare	<12 cm 12-30cm >30 cm	JP BF BS 79 14 14 WS L TA BP OH	Pine 583.3 - Spruce - Other Softwood - <b>Total Softwood 583.3</b> Poplar - Other Hardwood - <b>Total Hardwood</b> <b>Total Volume 583.3</b>
Stems / Hectare	Merchantable Softwood 1,950 Merchantable Hardwood Non-Merchantable 550		

- Percentages displayed on this page are rounded and thus may add up to over 100%.

### Forest Renewal Strategy

	Leave for Natural	Drag	Alternate Strip	Disc Trench	Disc Trench or Drag	Herbicide & Disc Trench	Alternate Strip & Herbicide
Treatment Unit	BS-Org (100%)						
Treatment Type	Natural Regeneration						
Target Species	Black Spruce						
Manitoba Conservation Standard	Softwood						



## Harvest Block Summary Form Block MR-1411 B

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### Block Mitigation

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#### Harvest & Renewal Design

Mature softwood - Harvest softwood and incidental Poplar, retain hardwood or softwood patches and or scattered trees where line of sight may be a problem.

Use rock outcrops where applicable to help address line of sight concerns.

A 750 meter park reserve remains along the Manigotagan River

Block 1402 and 1410 were surveyed prior to the year 2000 and thus do not have the survey detail as our current surveys.

As a result no individual harvest block summaries will be provided for these blocks. Any mitigable detail will be included with block 1411 as well as on the plan map.

A total of 3.6 kilometers of class 3 B roads and 4.8 kilometers of class 4 winter roads is prescribed for the block which includes blocks 1401, 1402 and 1410.

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#### In-Block Watercourses

No in-block watercourses have been identified.

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#### Public / Other Resource Users Concerns -- Company Action

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# Harvest Block Summary Form

## Block MR-1411 C

Last Prescription Revision: December 29, 2008.

### Block Location

Forest Section	<u>Lake Winnipeg East</u>	FMU	<u>31</u>	Twp/ Rge	<u>t24r11ep</u>	Ortho Tile(s) #	<u>7005650</u>
Op. Area	<u>Manigotogan River</u>	Road Mgmt Plan	<u>-----</u>	Access Route	<u>Wanipigow South Road.</u>		

### AORP Plan

Year of Harvest	<u>2009/2010</u>	Contingency Block	<u>Yes</u>
Cut Season(s)	<u>All Season</u>	Contingency Criteria	<u>To provide additional volume if required.</u>
Planned Area (ha)	<u>28.30</u>		
Reason(s) for Exceeding 100 ha	<u>N/A</u>		
Contractor	<u>Unknown</u>		
Company Supervisor	<u>Not Applicable</u>		
Harvest Equipment	<u>Unknown</u>		

### Block Review / Approval Dates

IRMT 1st Review	<u>-----</u>
Subsequent Review(s):	<u>-----</u>
Technical Review Completed	<u>-----</u>
Commencement Date	<u>N/A</u>
Final Inspection Date	<u>-----</u>

### Block Strata Description

- Based on 4 Plots  
- Based on Preharvest Survey Completed July 24, 2001

Surface Soil Text	Gravel 25%	Sand 25%	S. Loam	Loam	C. Loam 50%	Clay 25%	Silt	Deep Organic	Shallow Organic	Species Composition	<b>TA7BF2WS1</b>
Topography	Flat 75%	Undul. 25%	Rough	Very Rough	% Bedrock for Rough & Very Rough				FEC Vtype	<b>V6 (75), V13 (25)</b>	
Soil Moisture	Arid / Dry	Moist / Very Moist 50%	Wet / Saturated 50%	Stand Structure				Volume (m3)	For Harvest Available	Planned	
Soil Depth	Deep 100%	Moderate	Shallow	Rocky	Age (yr)	Ht (m)	DBH (cm)	Pine	1,512.8	-	
Snags/Hectare	Softwood	950	<12 cm	12-30cm	>30 cm			Spruce	3,969.5	-	
	Hardwood	100						Other Softwood	1,512.8	-	
								Other Hardwood	3,969.5	-	
Stems / Hectare	Merchantable Softwood	850						Total Softwood	5,482.3	-	
	Merchantable Hardwood	300						Total Hardwood	3,969.5	-	
	Non-Merchantable	900						Total Volume	5,482.3	-	

- Percentages displayed on this page are rounded and thus may add up to over 100%.

### Forest Renewal Strategy

	Leave for Natural	Drag	Alternate Strip	Disc Trench	Disc Trench or Drag	Herbicide & Disc Trench	Alternate Strip & Herbicide
Treatment Unit	TA-H (75%)					WS-M (25%)	
Treatment Type	Natural Regeneration					Plant	
Target Species	Trembling Aspen					White Spruce	
Manitoba Conservation Standard	Hardwood					Mixedwood-M	



## Harvest Block Summary Form Block MR-1411 C

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### Block Mitigation

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#### Harvest & Renewal Design

Mature mixedwood - Harvest both softwood and Poplar, retain hardwood or softwood patches and or scattered trees where line of sight may be a problem.

Use rock outcrops where applicable to help address line of sight concerns.

This area was wetter than normal due to Beaver activity in the area.

A 750 meter park reserve remains along the Manigotagan River

Block 1402 and 1410 were surveyed prior to the year 2000 and thus do not have the survey detail as our current surveys.

As a result no individual harvest block summaries will be provided for these blocks. Any mitigable detail will be included with block 1411 as well as on the plan map.

Leave hardwood stand regenerate naturally. Remaining mixedwood will be ground sprayed, disc trenched and planted with White Spruce. No spraying within proposed buffer and park reserve.

A total of 3.6 kilometers of class 3 B roads and 4.8 kilometers of class 4 winter roads is prescribed for the block which includes blocks 1401, 1402 and 1410.

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#### In-Block Watercourses

A 100 meter buffer is prescribed from the waters edge for each creek and lake as per the plan block map. This will result in a variable width treed buffer due to the variability of the riparian zone width.

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#### Public / Other Resource Users Concerns -- Company Action

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