



Harvest Block Summary Form

Block 1411 A

Last Prescription Revision: September 15, 2005.

Block Location

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

AORP Plan

Year of Harvest	2005/2006	Contingency Block	Yes
Cut Season(s)	All Season	Contingency Criteria	To provide additional volume if required.
Planned Area (ha)	80.83		
Reason(s) for Exceeding 100 ha	N/A		
Contractor	Unknown		
Company Supervisor	Not Applicable		
Harvest Equipment	Unknown		

Block Review / Approval Dates

IRMT 1st Review	October 19, 2005
Subsequent Review(s):	
Technical Review Completed	November 1, 2005
Commencement Date	N/A
Final Inspection Date	

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	JP10				
		70%	20%		10%										
Topography	Flat	Undul.	Rough	Very Rough				% Bedrock for Rough & Very Rough		FEC Vtype	V25 (40), V26 (30), V16 (10), V24 (10), V28 (10)				
	20%	60%	20%			9%									
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated							Stand Structure	Volume (m3)	For Harvest			
	20%	80%								Age (yr)	Ht (m)	DBH (cm)	Available	Planned	
Soil Depth	Deep	Moderate	Shallow	Rocky						JP	60	21	19	13,448.0	-
	20%	20%	30%	30%						BF	49	17	13	607.8	-
										BS				-	-
										WS				-	-
Snags/Hectare	Softwood	780	60	<12 cm	12-30cm	>30 cm				L				14,055.8	-
	Hardwood									TA				122.9	-
										BP				122.9	-
										OH				14,178.7	-
Stems / Hectare	Merchantable Softwood				1,280										
	Merchantable Hardwood				20										
	Non-Merchantable				220										

- 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	

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Harvest Block Summary Form Block 1411 A

Block Mitigation

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.

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.

Public / Other Resource Users Concerns -- Company Action



Harvest Block Summary Form

Block 1411 B

Last Prescription Revision: September 15, 2005.

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>2005/2006</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>October 19, 2005</u>
Subsequent Review(s):	
Technical Review Completed	<u>November 1, 2005</u>
Commencement Date	<u>N/A</u>
Final Inspection Date	

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	Shallow Organic	Species Composition	BS10		
Topography	Flat	Undul.	Rough	Very Rough	% Bedrock for Rough & Very Rough				FEC Vtype	V30 (100)			
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated	Stand Structure							Volume (m3)	For Harvest Available	Planned
Soil Depth	Deep	Moderate	Shallow	Rocky	Age (yr)	Ht (m)	DBH (cm)	JP	Pine				
Snags/Hectare	Softwood	450	<12 cm	12-30cm	>30 cm	BS	79	14	14	Spruce	583.3	-	
Stems / Hectare	Merchantable Softwood					WS				Other Softwood	583.3	-	
	Merchantable Hardwood					L				Total Softwood	583.3	-	
	Non-Merchantable					TA				Poplar		-	
						BP				Other Hardwood		-	
						OH				Total Hardwood		-	
										Total Volume	583.3	-	

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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 1411 B

Block Mitigation

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.

In-Block Watercourses

No in-block watercourses have been identified.

Public / Other Resource Users Concerns -- Company Action



Harvest Block Summary Form

Block 1411 C

Last Prescription Revision: September 15, 2005.

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>2005/2006</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>October 19, 2005</u>
Subsequent Review(s):	
Technical Review Completed	<u>November 1, 2005</u>
Commencement Date	<u>N/A</u>
Final Inspection Date	

Block Strata Description

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

Surface Soil Text	Gravel	Sand 25%	S. Loam	Loam	C. Loam 50%	Clay 25%	Silt	Deep Organic	Shallow Organic	Species Composition	TA7BF2WS1
Topography	Flat 75%	Undul. 25%	Rough	Very Rough	% Bedrock for Rough & Very Rough				FEC Vtype	V6 (75), V13 (25)	
Soil Moisture	Arid / Dry	Moist / Very Moist 50%	Wet / Saturated 50%	Stand Structure				Volume (m3)	For Harvest		
Soil Depth	Deep 100%	Moderate	Shallow	Rocky	Age (yr)	Ht (m)	DBH (cm)	Pine	Available	Planned	
Snags/Hectare	Softwood	<12 cm 950	12-30cm	>30 cm	JP	17	16	Spruce	1,512.8	-	
	Hardwood	100			BF			Other Softwood	-	-	
					BS			Total Softwood	1,512.8	-	
					WS	22	24	Poplar	3,969.5	-	
					L			Other Hardwood	-	-	
					TA	24	28	Total Hardwood	3,969.5	-	
					BP			Total Volume	5,482.3	-	
					OH						
Stems / Hectare	Merchantable Softwood			850							
	Merchantable Hardwood			300							
	Non-Merchantable			900							

- 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 1411 C

Block Mitigation

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.

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.

Public / Other Resource Users Concerns -- Company Action
