





# Harvest Block Summary Form

**Block 1703 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.

Access will be via the Vanson West Road.

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### In-Block Watercourses

No in-block watercourses have been identified other than the creek that borders the block to the north.

A 100 meter buffer is prescribed from the creeks edge 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 1704 A

Last Prescription Revision: November 02, 2005.

### Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t24r13ep	Ortho Tile(s) #	730 5660
Op. Area	Kaneeshoot Lake	Road Mgmt Plan	-----	Access Route	Vanson Road		

### AORP Plan

Year of Harvest	2005/2006	Contingency Block	No
Cut Season(s)	Winter	Contingency Criteria	N/A
Planned Area (ha)	57.49		
Reason(s) for Exceeding 100 ha	N/A		
Contractor	W. Zirk		
Company Supervisor	Unknown		
Harvest Equipment	Mechanical Harvesters and Line Skidders		

### Block Review / Approval Dates

IRMT 1st Review	October 19, 2005
Subsequent Review(s):	
Technical Review Completed	November 1, 2005
Commencement Date	January 01, 2006.
Final Inspection Date	

### Block Strata Description

- Based on 9 Plots  
- Based on Preharvest Survey Completed August 19, 2000

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	BS7JP3					
			11%	11%					78%							
Topography	Flat	Undul.	Rough	Very Rough				% Bedrock for Rough & Very Rough	41%	FEC Vtype	V26 (56%), V30 (33%), V15 (11%)					
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated							Stand Structure	Volume (m3)					
	44%	56%								Age (yr)	Ht (m)	DBH (cm)	For Harvest Available	Planned		
Soil Depth	Deep	Moderate	Shallow	Rocky						JP	73	16	18	Pine	4,456.0	-
	22%	11%	11%	56%						BF				Spruce	6,112.0	-
Snags/Hectare		<12 cm	12-30cm	>30 cm						BS	73	13	13	Other Softwood	-	-
	Softwood	244	244							WS	69	10	14	Total Softwood	10,568.0	-
	Hardwood									L				Poplar	-	-
Stems / Hectare	Merchantable Softwood		1,933							TA				Other Hardwood	-	-
	Merchantable Hardwood									BP				Total Hardwood	-	-
	Non-Merchantable		667							OH				Total Volume	10,568.0	-

- 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	56%	30%				14%	
Treatment Type	Natural Regeneration	Natural Regeneration Plant				Plant	
Target Species	Black Spruce	Jack Pine Black Spruce				Black Spruce	
Manitoba Conservation Standard	Softwood	Softwood				Softwood	

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# Harvest Block Summary Form

**Block 1704 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.

Access will be from the Vanson West Road.

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### In-Block Watercourses

No in-block watercourses have been identified other than the creek that borders the block to the west and north.

A 100 meter buffer is prescribed from the creeks edge 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 1705 A

Last Prescription Revision: September 13, 2005.

### Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t24r13ep	Ortho Tile(s) #	730 566
Op. Area	Kaneeshoot Lake	Road Mgmt Plan	-----	Access Route	Vanson Road		

### AORP Plan

Year of Harvest	2005/2006	Contingency Block	Yes
Cut Season(s)	Winter	Contingency Criteria	To provide additional volume if required
Planned Area (ha)	125.70	Reason(s) for Exceeding 100 ha	Natural landscape will break up the harvest area.
Contractor	Clinton Spence	Company Supervisor	Unknown
Harvest Equipment	Mechanical Harvester & Line Skidder		

### 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 14 Plots  
- Base on Preharvest Survey Completed August 20, 2000.

Surface Soil Text	Gravel	Sand 36%	S. Loam 7%	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic 57%	Species Composition	BS9JP1					
Topography	Flat	Undul.	Rough 100%	Very Rough		6%	% Bedrock for Rough & Very Rough	FEC Vtype	V26(36),V30(29),V33(14),V31(7),V29(7)							
Soil Moisture	Arid / Dry 50%	Moist / Very Moist 36%	Wet / Saturated 14%					Stand Structure		Volume (m3)	For Harvest Available Planned					
Soil Depth	Deep 29%	Moderate	Shallow 57%	Rocky 14%				Age (yr)	90	Ht (m)	22	DBH (cm)	20	Pine	7106.0	
Snags / Hectare	Softwood	<12 cm 129	12-30cm 214	>30 cm				BS	74	15	14	Other Softwood	0.0	Total Softwood	31327.0	
Stems / Hectare	Merchantable Softwood			2,200				L				Other Hardwood	0.0	Total Hardwood	0.0	
	Merchantable Hardwood			-				TA				Total Volume	31327.0			
	Non-Merchantable			243				BP								
								OH								

- 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 (40%)				JP-C sh-rck BS-C (40%)	BS-C (20%)	
Treatment Type	Natural Regeneration						
Target Species	Black Spruce						
Manitoba Conservation Standard	Softwood						

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# Harvest Block Summary Form

**Block 1705 A**

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## Block Mitigation

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### Harvest & Renewal Design

Mature softwood - Harvest softwood, 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.

Plan to use existing winter roads.

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### In-Block Watercourses

No defined channel for water course at north end of block. No buffer recommended.

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

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# Harvest Block Summary Form

## Block 1708 A

Last Prescription Revision: November 02, 2005.

### Block Location

Forest Section	<u>Lake Winnipeg East</u>	FMU	<u>31</u>	Twp/ Rge	<u>t24r13ep</u>	Ortho Tile(s) #	<u>730 5660</u>
Op. Area	<u>Kaneeshoot Lake</u>	Road Mgmt Plan	<u>-----</u>	Access Route	<u>Vanson Road</u>		

### AORP Plan

Year of Harvest	<u>2005/2006</u>	Contingency Block	<u>No</u>
Cut Season(s)	<u>Winter</u>	Contingency Criteria	<u>N/A</u>
Planned Area (ha)	<u>81.68</u>		
Reason(s) for Exceeding 100 ha	<u>N/A</u>		
Contractor	<u>W.Zirk</u>		
Company Supervisor	<u>Unknown</u>		
Harvest Equipment	<u>Mechanical Harvesters and Line Skidders</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>January 01, 2006.</u>
Final Inspection Date	

### Block Strata Description

- Based on 7 Plots  
- Based on Preharvest Survey Completed August 19, 2000

Surface Soil Text	Gravel	Sand	S. Loam 43%	Loam	C. Loam	Clay	Silt	Deep Organic 43%	Shallow Organic	Species Composition	<b>BS8JP2</b>
Topography	Flat	Undul.	Rough 100%	Very Rough	% Bedrock for Rough & Very Rough				41%	FEC Vtype	V26 (43%), V32 (29%), V30 (14%), V33 (14%)
Soil Moisture	Arid / Dry 43%	Moist / Very Moist 14%	Wet / Saturated 43%	Stand Structure				Volume (m3)		For Harvest	
Soil Depth	Deep 14%	Moderate 29%	Shallow 29%	Rocky 29%	Age (yr)	Ht (m)	DBH (cm)	Pine	2,499.0	-	
Snags/Hectare	Softwood	200	29		JP	98	15	16	Spruce	9,461.0	-
Stems / Hectare	Merchantable Softwood	1,629			BS	96	16	17	Other Softwood	-	-
	Non-Merchantable	171			WS				Total Softwood	11,960.0	-
					L				Poplar	-	-
					TA				Other Hardwood	-	-
					BP				Total Hardwood	-	-
					OH				Total Volume	11,960.0	-

- Percentages displayed on this page are rounded and thus my 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	75%				25%		
Treatment Type	Natural Regeneration				Natural Regeneration Plant		
Target Species	Black Spruce Jack Pine				Jack Pine Black Spruce		
Manitoba Conservation Standard	Softwood				Softwood		



# Harvest Block Summary Form

**Block 1708 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 total of 2 kilometers of class 4 winter roads is proposed for the block.

Black spruce swamps will be left to regenerate naturally. Remaining areas will be chained and/or disc depending on access. Planted with pine and spruce where possible.

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### In-Block Watercourses

No in-block watercourses have been identified other than the creek that borders the block to the west.

A 100 meter buffer is prescribed from the creeks edge as per the plan block map.

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

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# Harvest Block Summary Form

## Block KNS-1 D

Last Prescription Revision: September 13, 2005.

### Block Location

Forest Section	<u>Lake Winnipeg East</u>	FMU	<u>31</u>	Twp/ Rge	<u>t24r13/14ep</u>	Ortho Tile(s) #	<u>7305650, 7305660</u>
Op. Area	<u>Kaneeshoot Lake</u>	Road Mgmt Plan	<u>-----</u>	Access Route	<u>Vanson Road</u>		

### AORP Plan

Year of Harvest	<u>2005/2006</u>	Contingency Block	<u>Yes</u>
Cut Season(s)	<u>summer</u>	Contingency Criteria	<u>To provide additional volume if required.</u>
Planned Area (ha)	<u>98.54</u>		
Reason(s) for Exceeding 100 ha	<u>N/A</u>		
Contractor	<u>Clinton Spence / W. Zirk</u>		
Company Supervisor	<u>Unknown</u>		
Harvest Equipment	<u>Mechanical Harvester &amp; Manual Felling and Line Skidders</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 12 Plots  
- Based on Preharvest Survey Completed July 19 & 21, 2001

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	<b>TA7JP2WS1</b>					
		25%	8%	17%	42%	8%										
Topography	Flat	Undul.	Rough	Very Rough				% Bedrock for Rough & Very Rough		FEC Vtype	<b>V6 (36.4), V5 (18.2), V8 (9.1), V13 (9.1), V15 (9.1), V17 (9.1), V26 (9.1)</b>					
	42%	50%	8%			1%										
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated							Stand Structure	Volume (m3)					
	8%	92%								Age (yr)	Ht (m)	DBH (cm)	For Harvest Available	Planned		
Soil Depth	Deep	Moderate	Shallow	Rocky						JP	72	19	26	Pine	1,389.4	-
	67%	25%	8%							BF	24	10	14	Spruce	1,397.7	-
Snags/Hectare		<12 cm	12-30cm	>30 cm						BS				Other Softwood		-
	Softwood	17	33							WS	60	21	33	<b>Total Softwood</b>	<b>2,787.1</b>	-
	Hardwood		50	33						L				Poplar	7,101.6	-
Stems / Hectare	Merchantable Softwood									TA	53	21	24	Other Hardwood	326.8	-
	Merchantable Hardwood									BP	48	22	18	<b>Total Hardwood</b>	<b>7,428.4</b>	-
	Non-Merchantable									OH	25	15	16	<b>Total Volume</b>	<b>10,215.5</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	TA-H (67%)					JP-M (33%)	
Treatment Type	Natural Regeneration					Plant	
Target Species	Trembling Aspen					Jack Pine White Spruce	
Manitoba Conservation Standard	Hardwood					Mixedwood-N	

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# Harvest Block Summary Form

**Block KNS-1 D**

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## Block Mitigation

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### Harvest & Renewal Design

Mature hardwood - Harvest both Poplar and softwood, 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.

Hardwood Stem Decay was identified within the strata at moderate levels. Further evaluation by the company supervisor should be done to confirm this prior to harvest.

Leave hardwood stand regenerate naturally. Remaining mixedwood areas will be ground sprayed, disc trenched and planted. No spraying within proposed buffer along Wanipigow River.

To provide both summer and winter access 2.8 kilometers of class 3B roads is proposed for the block.

A 100 meter buffer is prescribed along the Wanipigow River.

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### In-Block Watercourses

No in-block watercourses were identified.

A 100 meter buffer is prescribed along the Wanipigow River.

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

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# Harvest Block Summary Form

## Block KNS-2 A

Last Prescription Revision: November 02, 2005.

### Block Location

Forest Section	<u>Lake Winnipeg East</u>	FMU	<u>31</u>	Twp/ Rge	<u>t24r13ep</u>	Ortho Tile(s) #	<u>7305660</u>
Op. Area	<u>Kaneeshoot Lake</u>	Road Mgmt Plan	<u>-----</u>	Access Route	<u>Vanson Road</u>		

### AORP Plan

Year of Harvest	<u>2005/2006</u>	Contingency Block	<u>No</u>
Cut Season(s)	<u>Winter / Spring</u>	Contingency Criteria	<u>N/A</u>
Planned Area (ha)	<u>22.31</u>		
Reason(s) for Exceeding 100 ha	<u>N/A</u>		
Contractor	<u>W. Zirk</u>		
Company Supervisor	<u>Unknown</u>		
Harvest Equipment	<u>Manual felling and line skidders</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>January 01, 2006.</u>
Final Inspection Date	

### Block Strata Description

- Based on 6 Plots  
- Based on Preharvest Survey Completed July 20 & 23, 2001

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	<b>JP4WS2TA2BS1BF1</b>
		33%			17%	50%					
Topography	Flat	Undul.	Rough	Very Rough	% Bedrock for Rough & Very Rough				FEC Vtype	<b>V8 (33.3), V6 (16.7), V15 (16.7), V16 (16.7), V28 (16.7)</b>	
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated	Stand Structure				Volume (m3)	For Harvest		
	17%	67%	17%	Age (yr)	Ht (m)	DBH (cm)		Available	Planned		
Soil Depth	Deep	Moderate	Shallow	Rocky	JP	22	22	Pine	1,130.4		
	33%	17%	17%	33%	BF	21	26	Spruce	1,133.3		
Snags/Hectare		<12 cm	12-30cm	>30 cm	BS	26	27	Other Softwood			
	Softwood	233	133		WS	28	28	<b>Total Softwood</b>	<b>2,263.7</b>		
	Hardwood				L			Poplar	610.6		
Stems / Hectare	Merchantable Softwood				TA	25	22	Other Hardwood	91.5		
	Merchantable Hardwood				BP			<b>Total Hardwood</b>	<b>702.0</b>		
	Non-Merchantable				OH			<b>Total Volume</b>	<b>2,965.7</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 (50%)				JP-M TA-H H-M (50%)	
Treatment Type		Natural Regeneration				Plant	
Target Species		Jack Pine				White and Black Spruce	
Manitoba Conservation Standard		Softwood				Mixedwood-M	

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# Harvest Block Summary Form

## Block KNS-2 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.

Hardwood Stem Decay was identified within the strata at moderate levels. Further evaluation by the company supervisor should be done to confirm this prior to harvest.

Brown Cubical Rot found at moderate levels within the Jack Pine. Recommend to harvest as soon as possible to prevent further volume loss due to wind throw.

A total of .1 kilometers of class 4 winter roads is required.

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#### In-Block Watercourses

An intermittent stream has been identified within the block. Two crossing sites have been identified as requiring Erosion Protection.

Ensure the crossings are used during frozen conditions where snow and ice can be used for crossing material.

In addition the riparian zone between the creek and Vanson Road require erosion protection due to the steeper slopes. Restrict harvesting in this area to frozen ground conditions only where harvesting will be restricted to White Spruce only.

Competing Shrubs of Alder and Hazel (41% cover) in addition to White Birch and Aspen are present which will help ensure stability of the riparian slope following harvest.

No spraying or scarification will take place within riparian zone between creek and Vanson Road.

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