



# Harvest Block Summary Form

## Block 2103 A

Last Prescription Revision: October 06, 2005.

### Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t22r16ep	Ortho Tile(s) #	7605640
Op. Area	Beresford Lake	Road Mgmt Plan	-----	Access Route	Highway 314		

### AORP Plan

Year of Harvest	2005/2006	Contingency Block	N/A
Cut Season(s)	Winter	Contingency Criteria	N/A
Planned Area (ha)	43.52		
Reason(s) for Exceeding 100 ha	N/A		
Contractor	Unknown		
Company Supervisor	Unknown		
Harvest Equipment	Mechanical Feller Buncher, delimb at stump.		

### 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 5 Plots  
- Base on Preharvest Survey Completed July 7 & 9, 2002

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	BS8 TA2
		20%				20%		40%	20%		
Topography	Flat	Undul.	Rough	Very Rough	% Bedrock for Rough & Very Rough				FEC Vtype	V30 (60), V9 (20), V30 (20)	
	80%	20%									
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated	Stand Structure				Volume (m3)	For Harvest Available	Planned	
	20%	80%		Age (yr)	Ht (m)	DBH (cm)					
Soil Depth	Deep	Moderate	Shallow	Rocky							
	20%	60%	20%		JP				Pine	-	-
Snags / Hectare	Softwood	<12 cm	12-30cm	>30 cm	BF				Spruce	5,262.8	5,262.8
	120	40			BS	74	17	17	Other Softwood	-	0.0
	Hardwood				WS				<b>Total Softwood</b>	<b>5,262.8</b>	<b>5,262.8</b>
					L				Poplar	1,411.9	280.0
					TA	68	19	27	Other Hardwood	-	0.0
					BP				<b>Total Hardwood</b>	<b>1,411.9</b>	<b>280.0</b>
					OH				<b>Total Volume</b>	<b>6,674.7</b>	<b>5,542.8</b>
Stems / Hectare	Merchantable Softwood	1,160									
	Merchantable Hardwood	80									
	Non-Merchantable	200									

- 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%)			BS-org (40%)		H-M (20%)	
Treatment Type	NATURAL			PLANT		PLANT	
Target Species	BS			BS		BS	
Manitoba Conservation Standard	Softwood			Softwood		Mixedwood-N	

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# Harvest Block Summary Form

## Block 2103 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.

Ensure Special Use areas that have been identified (trails) are not obstructed during and upon completion of the harvest. Refer to map detail.

Plans are to use the existing trail in block 2103 for access and pulp hauling subject to trapper consultation.

A total of 4.6 kilometers of winter road is proposed for the block.

Visual screen (Buffer) for Highway 314 and Beresford Subdivision Road is 100 meters.

Deep BS swamps and rock outcrops will be left to regenerate naturally. Remaining site will be disc trenched and ground sprayed where necessary. No spraying will take place within proposed visual screen.

**Block identified for inbush chipping. Harvested trees that are destined for inblock chipping will be delimited on site where topping is not required on upland Jack Pine and Spruce sites. Black Spruce and Tamarack Stands on deep organic soils will be delimited at roadside where identified on the Block Summary Maps.**

**Debris from inblock chipping and larger accumulations of limbing debris will be burnt no later than one year after harvest subject to burning permit authorization. All other debris to be spread on roads and landings.**

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#### In-Block Watercourses

No inblock water courses identified.

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



# Harvest Block Summary Form

## Block 2103 B

Last Prescription Revision: October 06, 2005.

### Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t22r16ep	Ortho Tile(s) #	7605640
Op. Area	Beresford Lake	Road Mgmt Plan	-----	Access Route	Highway 314		

### AORP Plan

Year of Harvest	2005/2006	Contingency Block	N/A
Cut Season(s)	Winter	Contingency Criteria	N/A
Planned Area (ha)	26.11		
Reason(s) for Exceeding 100 ha	N/A		
Contractor	Unknown		
Company Supervisor	Unknown		
Harvest Equipment	Mechanical Feller Buncher, delimb at stump.		

### Block Review / Approval Dates

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

### Block Strata Description

- Based on 4 Plots  
- Base on Preharvest Survey Completed July 8, 2002

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	TA7BS2BF1
			50%	25%				25%			
Topography	Flat	Undul.	Rough	Very Rough				% Bedrock for Rough & Very Rough		FEC Vtype	V6 (75), V30 (25)
	100%										
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated							Volume (m3)	For Harvest Available Planned
		100%									
Soil Depth	Deep	Moderate	Shallow	Rocky							
	25%	75%									
Snags / Hectare	Softwood	<12 cm	12-30cm	>30 cm							
	150	50									
	Hardwood		200								
Stems / Hectare	Merchantable Softwood			650							
	Merchantable Hardwood			400							
	Non-Merchantable			300							

- 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 (25%)					M-H (75%)	
Treatment Type	NATURAL					PLANT	
Target Species	BS					BS	
Manitoba Conservation Standard	Softwood					Mixedwood-N	

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# Harvest Block Summary Form

## Block 2103 B

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### Block Mitigation

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#### Harvest & Renewal Design

Mature mixedwood - 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 4.6 kilometers of winter road is proposed for the block.

Visual screen (Buffer) for Highway 314 is 100 meters.

Ensure Special Use areas that have been identified (trails) are not obstructed during and upon completion of the harvest. Refer to map detail.

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

BS swamps and rock outcrops will be left to regenerate naturally. Remaining mixewood site will be ground sprayed and disc trenched.

No spraying will take place within proposed creek buffer and visual screen. Spruce understory will be maintained during site preparation.

**Block identified for inbush chipping. Harvested trees that are destined for inblock chipping will be delimbed on site where topping is not required on upland Jack Pine and Spruce sites. Black Spruce and Tamarack Stands on deep organic soils will be delimbed at roadside where identified on the Block Summary Maps.**

**Debris from inblock chipping and larger accumulations of limbing debris will be burnt no later than one year after harvest subject to burning permit authorization. All other debris to be spread on roads and landings.**

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#### In-Block Watercourses

Block is bordered by creek on western boundary.

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



# Harvest Block Summary Form

## Block 2103 C

Last Prescription Revision: October 06, 2005.

### Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t22r16ep	Ortho Tile(s) #	7505640, 7605640
Op. Area	Beresford Lake	Road Mgmt Plan	-----	Access Route	Highway 314		

### AORP Plan

Year of Harvest	2005/2006	Contingency Block	N/A
Cut Season(s)	Winter	Contingency Criteria	N/A
Planned Area (ha)	127.26	Reason(s) for Exceeding 100 ha	Natural landscape will break up the harvest area.
Contractor	Fred Fedak	Company Supervisor	Unknown
Harvest Equipment	Mechanical Feller Buncher, delimb at stump.		

### 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 16 Plots  
- Base on Preharvest Survey Completed July 8, 9, 16 & 19, 2002

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	BSS JP4 TA1					
		50%	13%	6%	19%			13%								
Topography	Flat	Undul.	Rough	Very Rough				% Bedrock for Rough & Very Rough		FEC Vtype	V26 (31.25), V18 (25), V17 (12.5), V28 (12.5), V10 (6.25), V30 (6.25), V31(6.25)					
	38%	44%	13%	6%		2%										
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated							Stand Structure	Volume (m3)					
	63%	38%								Age (yr)	Ht (m)	DBH (cm)	For Harvest Available	Planned		
Soil Depth	Deep	Moderate	Shallow	Rocky						JP	70	16	19	Pine	8874.6	8,874.6
	6%	44%	50%							BF				Spruce	9929.2	9,929.2
Snags / Hectare		<12 cm	12-30cm	>30 cm						BS	72	16	17	Other Softwood	0.0	0.0
	Softwood	350	75							WS				<b>Total Softwood</b>	<b>18803.8</b>	<b>18,803.8</b>
	Hardwood	25								L				Poplar	1598.7	320.0
Stems / Hectare	Merchantable Softwood		1,413							TA				Other Hardwood	66.8	0.0
	Merchantable Hardwood		75							BP				<b>Total Hardwood</b>	<b>1665.5</b>	<b>320.0</b>
	Non-Merchantable		263							OH				<b>Total Volume</b>	<b>20469.3</b>	<b>19,123.8</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	BS-org JP-C sh-rck 40%	JP-C sh-rck, dp-thinO 23%				BS-M H-M 37%	
Treatment Type	Natural	Natural				Plant	
Target Species	Black Spruce Jack Pine	Jack Pine				Black Spruce	
Manitoba Conservation Standard	Softwood	Softwood				Mixedwood-M	

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# Harvest Block Summary Form

## Block 2103 C

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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 4.6 kilometers of winter road is proposed for the block.

Visual screen (Buffer) for Highway 314 is 100 meters.

Ensure Special Use areas that have been identified (trails) are not obstructed during and upon completion of the harvest. Refer to map detail.

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

BS swamps and rock outcrops will be left to regenerate naturally. Jack Pine sites will be chain dragged and left to regenerate naturally

Spraying and disc trenching will be done on remaining sites. No spraying will take place within proposed creek buffer and visual screen.

**Block identified for inbush chipping. Harvested trees that are destined for inblock chipping will be delimbed on site where topping is not required on upland Jack Pine and Spruce sites. Black Spruce and Tamarack Stands on deep organic soils will be delimbed at roadside where identified on the Block Summary Maps.**

**Debris from inblock chipping and larger accumulations of limbing debris will be burnt no later than one year after harvest subject to burning permit authorization. All other debris to be spread on roads and landings.**

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#### In-Block Watercourses

Block is bordered by creek on western boundary.

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



# Harvest Block Summary Form

## Block 2104 A

Last Prescription Revision: October 06, 2005.

### Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t22r16ep	Ortho Tile(s) #	7605640
Op. Area	Beresford Lake	Road Mgmt Plan	-----	Access Route	Highway 314		

### AORP Plan

Year of Harvest	2005/2006	Contingency Block	N/A
Cut Season(s)	Winter	Contingency Criteria	N/A
Planned Area (ha)	165.81	Reason(s) for Exceeding 100 ha	Natural landscape will break up the harvest area.
Contractor	Unknown	Company Supervisor	Unknown
Harvest Equipment	Mechanical Feller Buncher, delimb at stump.		

### 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 18 Plots  
- Base on Preharvest Survey Completed July 6, 16 & 17, 2002

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	BS6 JP3 TA1
		56%	22%			6%		17%	11%		
Topography	Flat	Undul.	Rough	Very Rough				% Bedrock for Rough & Very Rough		FEC Vtype	V26 (30), V29 (25), V30 (25), V18 (15), V8 (5)
	33%	61%	17%			2%					
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated	Stand Structure			Volume (m3)		For Harvest		
	78%	33%		Age (yr)	Ht (m)	DBH (cm)			Available	Planned	
Soil Depth	Deep	Moderate	Shallow	Rocky							
	17%	28%	67%		JP	67	15	18	Pine	6,599.1	6,599.1
Snags / Hectare	Softwood	<12 cm	12-30cm	>30 cm	BF				Spruce	14,683.1	14,683.1
	267	56			BS	66	15	17	Other Softwood	462.4	462.4
Stems / Hectare	Merchantable Softwood	1,311		WS					<b>Total Softwood</b>	<b>21,744.7</b>	<b>21,744.7</b>
	Merchantable Hardwood	33		L					Poplar	1,952.8	0.0
	Non-Merchantable	167		TA	71	25	30		Other Hardwood	18.4	0.0
				BP					<b>Total Hardwood</b>	<b>1,971.3</b>	<b>0.0</b>
				OH					<b>Total Volume</b>	<b>23,715.9</b>	<b>21,744.7</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	BS-org JP-C sh-rck 60%			BS-C BS-M H-M 40%			
Treatment Type	Natural			Plant			
Target Species	Black Spruce Jack Pine			Black Spruce			
Manitoba Conservation Standard	Softwood			Mixedwood - M			

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# Harvest Block Summary Form

**Block 2104 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.

Ensure Special Use areas that have been identified (trails) are not obstructed during and upon completion of the harvest. Refer to map detail.

A total of 10.0 kilometers of winter road is proposed for the block.

Proposed buffer for Beresford Lake including no name lakes and Beresford Subdivision Road is 100 meters.

BS swamps and JP rock outcrops will be left to regenerate naturally. Remaining sites will be disc trenched in the spring on the frost

Seedlings will be snow cached due to poor access.

**Block identified for inbush chipping. Harvested trees that are destined for inblock chipping will be delimbed on site where topping is not required on upland Jack Pine and Spruce sites. Black Spruce and Tamarack Stands on deep organic soils will be delimbed at roadside where identified on the Block Summary Maps.**

**Debris from inblock chipping and larger accumulations of limbing debris will be burnt no later than one year after harvest subject to burning permit authorization. All other debris to be spread on roads and landings.**

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### In-Block Watercourses

No inblock water courses have been identified.

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

As requested by the Beresford Cottage Association a fire hazard reduction harvest is being planned for block BRF-01. Both hardwood and softwood is planned for harvest. Measures will be taken to harvest up to the subdivision road to facilitate potential hydro access which requires 30 meters. This location has yet to be confirmed.



# Harvest Block Summary Form

## Block 2104 B

Last Prescription Revision: October 31, 2005.

### Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t22r16ep	Ortho Tile(s) #	7605640
Op. Area	Beresford Lake	Road Mgmt Plan	-----	Access Route	Highway 314		

### AORP Plan

Year of Harvest	2005/2006	Contingency Block	No
Cut Season(s)	Winter	Contingency Criteria	N/A
Planned Area (ha)	74.11		
Reason(s) for Exceeding 100 ha	N/A		
Contractor	Unknown		
Company Supervisor	Unknown		
Harvest Equipment	Mechanical Feller Buncher, delimb at stump.		

### Block Review / Approval Dates

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

### Block Strata Description

- Based on 7 Plots  
- Base on Preharvest Survey Completed July 4 & 17, 2002

Surface Soil Text	Gravel	Sand 71%	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic 29%	Shallow Organic	Species Composition	BS7 JP3
Topography	Flat 43%	Undul. 57%	Rough	Very Rough	% Bedrock for Rough & Very Rough				FEC Vtype	V28 (28.6), V29 (28.6), V30 (28.6), V26 (14.3)	
Soil Moisture	Arid / Dry 71%	Moist / Very Moist 29%	Wet / Saturated	Stand Structure				Volume (m3)		For Harvest	
Soil Depth	Deep	Moderate 29%	Shallow 71%	Rocky	Age (yr)	Ht (m)	DBH (cm)	Pine	3,148.5	3,148.5	
Snags / Hectare	Softwood	<12 cm 143	12-30cm 29	>30 cm	JP	60	15	18	Spruce	7,311.3	7,311.3
Stems / Hectare	Merchantable Softwood	1,400			BS	81	16	16	Other Softwood	-	-
	Merchantable Hardwood	-			WS				Total Softwood	10,459.8	10,459.8
	Non-Merchantable	229			L				Poplar	-	-
					TA				Other Hardwood	-	-
					BP				Total Hardwood	-	-
					OH				Total Volume	10,459.8	10,459.8

- 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							
Treatment Type							
Target Species							
Manitoba Conservation Standard							

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# Harvest Block Summary Form

## Block 2104 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.

Ensure Special Use areas that have been identified (trails) are not obstructed during and upon completion of the harvest. Refer to map detail.

A total of 10.0 kilometers of winter road is proposed for the block.

Proposed buffer for Beresford Lake, Moore Creek including no name lakes and Beresford Subdivision Road is 100 meters.

**Block identified for inbush chipping. Harvested trees that are destined for inblock chipping will be delimbed on site where topping is not required on upland Jack Pine and Spruce sites. Black Spruce and Tamarack Stands on deep organic soils will be delimbed at roadside where identified on the Block Summary Maps.**

**Debris from inblock chipping and larger accumulations of limbing debris will be burnt no later than one year after harvest subject to burning permit authorization. All other debris to be spread on roads and landings.**

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#### In-Block Watercourses

Proposed buffer for Beresford Lake, Moore Creek including no name lakes and Beresford Subdivision Road is 100 meters.

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

As requested by the Beresford Cottage Association a fire hazard reduction harvest is being planned for block BRF-01. Both hardwood and softwood is planned for harvest. Measures will be taken to harvest up to the subdivision road to facilitate potential hydro access which requires 30 meters. This location has yet to be confirmed.