



Harvest Block Summary Form

Block 1511 A

Last Prescription Revision: September 07, 2005.

Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t26r12ep	Ortho Tile(s) #	720 5670
Op. Area	Beaver Creek/Okimaw Lake	Road Mgmt Plan		Okimaw Lake		Access Route	Okimaw Lake Road

AORP Plan

Year of Harvest	2005/2006	Contingency Block	No
Cut Season(s)	Winter	Contingency Criteria	N/A
Planned Area (ha)	49.40		
Reason(s) for Exceeding 100 ha	N/A		
Contractor	G&R Logging		
Company Supervisor	Armand Boulet		
Harvest Equipment	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	N/A
Final Inspection Date	

Block Strata Description

- Based on 8 Plots
- Base on Preharvest Survey Completed May 10, 2000

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	BS 6JP 4					
		62.5	12.50%													
Topography	Flat	Undul.	Rough	Very Rough				% Bedrock for Rough & Very Rough		FEC Vtype	V16(37.5%), V28 (25%), V30 (25%), V29 (12.5%)					
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated							Stand Structure	Volume (m3)					
	12.50%	75%								Age (yr)	Ht (m)	DBH (cm)	For Harvest Available	Planned		
Soil Depth	Deep	Moderate	Shallow	Rocky						JP	72	13	21	Pine	6,567.0	3000.0
	75%			13%						BF				Spruce	5,161.0	3000.0
Snags / Hectare		<12 cm	12-30cm	>30 cm						BS	91	14	14	Other Softwood	-	-
	Softwood	250	225							WS				Total Softwood	11,728.0	6000.0
	Hardwood									L				Poplar	-	-
										TA				Other Hardwood	-	-
Stems / Hectare	Merchantable Softwood			1,700						BP				Total Hardwood	-	0.0
	Merchantable Hardwood			-						OH				Total Volume	11,728.0	6,000.0
	Non-Merchantable			75												

- 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 35%				JP-M JP-C dp-thinO 65%		
Treatment Type	Natural Regeneration				Plant		
Target Species	Black Spruce				Jack Pine, Black Spruce		
Manitoba Conservation Standard	Softwood				Softwood		

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Harvest Block Summary Form

Block 1511 A

Block Mitigation

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.
- Access will be via the Okimaw Lake Road.
- Main access winter roads will consist of .7 kilometers of class 4 winter roads.

In-Block Watercourses

None identified.

Public / Other Resource Users Concerns -- Company Action



Harvest Block Summary Form

Block 1514 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.
- Main access winter roads will consist of 7.1 kilometers of class 4 roads.
- Spring disc trench on the frost. Plant with Black Spruce & Jack Pine.

In-Block Watercourses

No in-block watercourses have been identified.

Public / Other Resource Users Concerns -- Company Action



Harvest Block Summary Form

Block 1514 B

Last Prescription Revision: September 07, 2005.

Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t26r12/13ep	Ortho Tile(s) #	7205670
Op. Area	Beaver Creek / Okimaw Lake	Road Mgmt Plan			Okimaw Lake	Access Route	Okimaw Lake Road

AORP Plan

Year of Harvest	2005/2006	Contingency Block	No
Cut Season(s)	Winter	Contingency Criteria	N/A
Planned Area (ha)	130.44	Reason(s) for Exceeding 100 ha	Natural landscape will break up the harvest area.
Contractor	G&R Logging		
Company Supervisor	Armand Boulet		
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 16 Plots

- Base on Preharvest Survey Completed July 23 & August 1 & 5, 2002

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	JP5 BS5
		38%	13%		13%	6%		25%	6%		
Topography	Flat	Undul.	Rough	Very Rough	% Bedrock for Rough & Very Rough				FEC Vtype	V28 (50), V30 (31.25), V17 (12.5), V15 (6.25)	
	50%	50%									
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated	Stand Structure				Volume (m3)	For Harvest Available	Planned	
	50%	50%			Age (yr)	Ht (m)	DBH (cm)				
Soil Depth	Deep	Moderate	Shallow	Rocky	JP	90	20	21	Pine	13,859.6	3,000.0
	19%	56%	25%		BF				Spruce	13,538.4	6,000.0
Snags / Hectare		<12 cm	12-30cm	>30 cm	BS	85	16	16	Other Softwood	-	-
	Softwood	188	150		WS				Total Softwood	27,397.9	9,000.0
	Hardwood				L				Poplar	978.3	-
					TA				Other Hardwood	-	-
Stems / Hectare	Merchantable Softwood			1,913	BP				Total Hardwood	978.3	200.0
	Merchantable Hardwood			13	OH				Total Volume	28,376.2	9,200.0
	Non-Merchantable			125							

- 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			BS-M, JP-M, BS-C 40%			
Treatment Type	Natural Regeneration			Plant			
Target Species	Black Spruce Jack Pine			Black Spruce Jack Pine			
Manitoba Conservation Standard	Softwood			Softwood			

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Harvest Block Summary Form

Block 1514 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.

Buffer on Kakaki Lake will remain at 100 meters. Two Special Use (cabins) have been identified with a prescription buffer of 200 meters.

One Special Use Government Sample plot was identified near southern Special Use Cabin as identified on plan map. Plan to buffer at 100 meters.

Main access winter roads will consist of 7.1 kilometers of class 4 roads.

Spring disc trench on the frost. Plant Black Spruce & Jack Pine. Site may require a follow-up ground application of Vision to control aspen suckering.

In-Block Watercourses

No in-block watercourses have been identified.

Buffer on Kakaki Lake will remain at 100 meters.

Public / Other Resource Users Concerns -- Company Action

Cabins on Kakaki Lake will be protected by providing a 200 meter buffer of no harvest.



Harvest Block Summary Form

Block 1515 A

Last Prescription Revision: September 07, 2005.

Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t26r12ep	Ortho Tile(s) #	7205670
Op. Area	Beaver Creek / Okimaw Lake	Road Mgmt Plan			Okimaw Lake	Access Route	Okimaw Lake Road

AORP Plan

Year of Harvest	2005/2006	Contingency Block	No
Cut Season(s)	Winter	Contingency Criteria	N/A
Planned Area (ha)	93.54		
Reason(s) for Exceeding 100 ha	N/A		
Contractor	G&R Logging		
Company Supervisor	Armand Boulet		
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 14 Plots
- Base on Preharvest Survey Completed July 29, & August 4, 2002

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	JP5 BS5					
		79%	7%	7%				7%								
Topography	Flat	Undul.	Rough	Very Rough						FEC Vtype	V28 (28.6), V15 (21.4), V17 (14.3), V29 (14.3), V18 (7.1), V26 (7.1), V30 (7.1)					
	43%	50%	7%			1%			% Bedrock for Rough & Very Rough							
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated							Stand Structure	Volume (m3)					
	86%	14%								Age (yr)	Ht (m)	DBH (cm)	For Harvest Available	Planned		
Soil Depth	Deep	Moderate	Shallow	Rocky						JP	81	21	24	Pine	11,509.6	5,000.0
	7%	43%	50%							BF				Spruce	11,273.0	6,000.0
Snags / Hectare		<12 cm	12-30cm	>30 cm						BS	76	19	19	Other Softwood	-	-
	Softwood	114	214							WS				Total Softwood	22,782.6	11,000.0
	Hardwood	14	43	14						L				Poplar	1,212.0	500.0
										TA				Other Hardwood	-	-
Stems / Hectare	Merchantable Softwood		1,386							BP				Total Hardwood	1,212.0	500.0
	Merchantable Hardwood		43							OH				Total Volume	23,994.6	11,500.0
	Non-Merchantable		86													

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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, JP-C sh-rck 35%	JP-C sh-rck 25%		BS-C JP-C dp-thickO 10%		JP-M, BS-M 30%	
Treatment Type	Natural Regeneration	Natural Regeneration		Plant		Plant	
Target Species	Jack Pine Black Spruce	Jack Pine		Black Spruce Jack Pine		Black Spruce	
Manitoba Conservation Standard	Softwood	Softwood		Softwood		Mixedwood-M	

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Harvest Block Summary Form

Block 1515 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.
- Main access winter roads will consist of 4.6 kilometers of class 4 roads.
- Ground spray mixedwood sites and disc trench. Chain drag pine ridges. Plant Black Spruce & Jack Pine.

In-Block Watercourses

No inblock water courses identified.

Public / Other Resource Users Concerns -- Company Action



Harvest Block Summary Form

Block 1519 A

Last Prescription Revision: September 07, 2005.

Block Location

Forest Section	<u>Lake Winnipeg East</u>	FMU	<u>31</u>	Twp/ Rge	<u>t25r12ep</u>	Ortho Tile(s) #	<u>7205670</u>
Op. Area	<u>Beaver Creek / Okimaw Lake</u>	Road Mgmt Plan	<u>Okimaw Lake</u>	Access Route	<u>Okimaw Lake Road</u>		

AORP Plan

Year of Harvest	<u>2005/2006</u>	Contingency Block	<u>No</u>
Cut Season(s)	<u>Fall/Winter</u>	Contingency Criteria	<u>N/A</u>
Planned Area (ha)	<u>30.29</u>		
Reason(s) for Exceeding 100 ha	<u>N/A</u>		
Contractor	<u>G&R Logging</u>		
Company Supervisor	<u>Armand Boulet</u>		
Harvest Equipment	<u>Mechanical Feller Buncher, delimb at stump.</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
- Base on Preharvest Survey Completed May 17, 2000

Surface Soil Text	Gravel	Sand 17%	S. Loam 17%	Loam	C. Loam	Clay	Silt	Deep Organic 50%	Shallow Organic	Species Composition	BS7 JP3
Topography	Flat	Undul.	Rough 100%	Very Rough		50%	% Bedrock for Rough & Very Rough		FEC Vtype	V26 (83), V32 (17)	
Soil Moisture	Arid / Dry 50%	Moist / Very Moist 33%	Wet / Saturated 17%	Stand Structure			Age (yr)	Ht (m)	DBH (cm)	Volume (m3)	For Harvest Available Planned
Soil Depth	Deep	Moderate 17%	Shallow 50%	Rocky 33%	JP	76	14	18	Pine	1,117.0	1117.0
Snags / Hectare	Softwood	<12 cm	12-30cm	>30 cm	BF				Spruce	2,657.0	2657.0
	Hardwood				BS	80	13	14	Other Softwood	-	-
					WS				Total Softwood	3,774.0	3774.0
Stems / Hectare	Merchantable Softwood			1,033	L				Poplar	-	-
	Merchantable Hardwood			-	TA				Other Hardwood	-	-
	Non-Merchantable			200	BP				Total Hardwood	-	0.0
					OH				Total Volume	3,774.0	3774.0

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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		90%		10%			
Treatment Type		Natural Regeneration		Plant			
Target Species		Jack Pine Black Spruce		Black Spruce			
Manitoba Conservation Standard		Softwood		Softwood			

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Harvest Block Summary Form

Block 1519 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.
- 2.3 kilometers of class 4 winter road is proposed for block 1519 which will connect to Okimaw Lake Grade.
- Okimaw Creek and Okimaw Lake will be buffered at 100 meters from the waters edge.

In-Block Watercourses

No inblock water courses have been identified other than Okimaw Creek and Okimaw Lake that borders the south end of the block.

Public / Other Resource Users Concerns -- Company Action



Harvest Block Summary Form

Block 1519 B

Last Prescription Revision: September 07, 2005.

Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t25r12ep	Ortho Tile(s) #	7205670
Op. Area	Beaver Creek / Okimaw Lake	Road Mgmt Plan		Okimaw Lake		Access Route	Okimaw Lake Road

AORP Plan

Year of Harvest	2005/2006	Contingency Block	No
Cut Season(s)	Fall/Winter	Contingency Criteria	N/A
Planned Area (ha)	21.12		
Reason(s) for Exceeding 100 ha	N/A		
Contractor	G&R Logging		
Company Supervisor	Armand Boulet		
Harvest Equipment	Mechanical Feller Buncher, delimb at start-up.		

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 4 Plots
- Base on Preharvest Survey Completed May 14, 2000

Surface Soil Text	Gravel	Sand 25%	S. Loam	Loam 25%	C. Loam 25%	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	BS5 JP5					
Topography	Flat	Undul. 100%	Rough	Very Rough				% Bedrock for Rough & Very Rough		FEC Vtype	V16 (50), V18 (25), V8 (25)					
Soil Moisture	Arid / Dry 75%	Moist / Very Moist 25%	Wet / Saturated							Stand Structure	Volume (m3) For Harvest Available Planned					
Soil Depth	Deep 25%	Moderate 50%	Shallow 25%	Rocky						Age (yr)	Ht (m)	DBH (cm)	Pine	3071.9	3071.9	
Snags / Hectare	Softwood	<12 cm	12-30cm	>30 cm						JP	93	16	21	Spruce	1418.2	1418.2
	Hardwood									BS	106	16	20	Other Softwood	0.0	-
										WS				Total Softwood	4490.1	4490.1
										L				Poplar	559.7	559.7
										TA	117	27	35	Other Hardwood	0.0	-
										BP				Total Hardwood	559.7	559.7
										OH				Total Volume	5049.8	5049.8
Stems / Hectare	Merchantable Softwood			1,200												
	Merchantable Hardwood			50												
	Non-Merchantable			150												

- 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	20%					80%	
Treatment Type	Natural Regeneration					Plant	
Target Species	Black Spruce Jack Pine					Black Spruce	
Manitoba Conservation Standard	Softwood					Softwood	

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Harvest Block Summary Form

Block 1519 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.

2.3 kilometers of class 4 winter road is proposed for block 1519 which will connect to Okimaw Lake Grade.

Okimaw Creek and Okimaw Lake will be buffered at 100 meters from the waters edge.

No spraying will take place within the proposed buffer along Okimaw Creek and Okimaw Lake.

In-Block Watercourses

No inblock water courses have been identified other than Okimaw Creek and Okimaw Lake that borders the south end of the block.

Public / Other Resource Users Concerns -- Company Action



Harvest Block Summary Form

Block 1520 A

Last Prescription Revision: September 07, 2005.

Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t25r12/13ep	Ortho Tile(s) #	7205670
Op. Area	Beaver Creek / Okimaw Lake	Road Mgmt Plan			Okimaw Lake	Access Route	Okimaw Lake Road

AORP Plan

Year of Harvest	2005/2006	Contingency Block	No
Cut Season(s)	Winter	Contingency Criteria	N/A
Planned Area (ha)	14.95		
Reason(s) for Exceeding 100 ha	N/A		
Contractor	G&R Logging		
Company Supervisor	Armand Boulet		
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 4 Plots
- Base on Preharvest Survey Completed July 21, 2002

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	BS7 JP3					
		100%														
Topography	Flat	Undul.	Rough	Very Rough			6%	% Bedrock for Rough & Very Rough		FEC Vtype	V26 (50), V28 (50)					
		50%	50%													
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated							Stand Structure	Volume (m3)					
	100%									Age (yr)	Ht (m)	DBH (cm)	For Harvest Available	Planned		
Soil Depth	Deep	Moderate	Shallow	Rocky						JP			Pine	801.2	801.0	
			100%							BF			Spruce	1,561.3	1561.3	
Snags / Hectare		<12 cm	12-30cm	>30 cm						BS	80	16	21	Other Softwood	-	-
	Softwood		50	50						WS				Total Softwood	2,362.5	2,362.3
	Hardwood									L				Poplar	-	-
										TA				Other Hardwood	-	-
Stems / Hectare	Merchantable Softwood			800						BP				Total Hardwood	-	0.0
	Merchantable Hardwood			-						OH				Total Volume	2,362.5	2,362.3
	Non-Merchantable			-												

- 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		100%					
Treatment Type		Plant Natural Regeneration					
Target Species		Jack Pine Black Spruce					
Manitoba Conservation Standard		Softwood					

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Harvest Block Summary Form

Block 1520 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.

1.1 kilometers of class 4 winter roads is proposed for the block.

A 100 meter buffer for Okimaw Creek even though harvesting is not expected to be near the creek.

This area was logged in the late 1980's for spruce sawlogs.

Area will be chain dragged followed by a fill-in plant with black spruce.

In-Block Watercourses

A 100 meter buffer is proposed for Okimaw Creek from the waters edge.

Public / Other Resource Users Concerns -- Company Action



Harvest Block Summary Form

Block 1520 B

Last Prescription Revision: September 07, 2005.

Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t25r13ep	Ortho Tile(s) #	7205670
Op. Area	Beaver Creek / Okimaw Lake	Road Mgmt Plan		Okimaw Lake		Access Route	Okimaw Lake Road

AORP Plan

Year of Harvest	2005/2006	Contingency Block	No
Cut Season(s)	Winter	Contingency Criteria	N/A
Planned Area (ha)	45.87		
Reason(s) for Exceeding 100 ha	N/A		
Contractor	G&R Logging		
Company Supervisor	Armand Boulet		
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 6 Plots
- Base on Preharvest Survey Completed July 21, 2002

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	BS 10					
		33%	50%					17%								
Topography	Flat	Undul.	Rough	Very Rough			6%	% Bedrock for Rough & Very Rough		FEC Vtype	V28 (50), V17 (16.7), V26 (16.7), V30 (16.7)					
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated							Stand Structure	Volume (m3)					
	83%	17%								Age (yr)	Ht (m)	DBH (cm)	For Harvest Available	Planned		
Soil Depth	Deep	Moderate	Shallow	Rocky						JP			Pine	188.1	188.0	
		50%	50%							BF			Spruce	5,529.2	5,529.0	
Snags / Hectare		<12 cm	12-30cm	>30 cm						BS	83	18	18	Other Softwood	-	-
	Softwood	33	200							WS				Total Softwood	5,717.3	5,717.0
	Hardwood		33							L				Poplar	-	-
										TA				Other Hardwood	-	-
Stems / Hectare	Merchantable Softwood			1,400						BP				Total Hardwood	-	0.0
	Merchantable Hardwood			-						OH				Total Volume	5,717.3	5,717.0
	Non-Merchantable			233												

- 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	20%				50%	30%	
Treatment Type	Natural Regeneration				Natural Regeneration Plant	Plant	
Target Species	Black Spruce				Black Spruce	Black Spruce	
Manitoba Conservation Standard	Softwood				Softwood	Softwood	

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Harvest Block Summary Form

Block 1520 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.

1.1 kilometers of class 4 winter roads is proposed for the block.

A 100 meter buffer for Okimaw Creek.

No spraying in proposed 100 metre buffer along Okimaw Creek

In-Block Watercourses

A 100 meter buffer is proposed for Okimaw Creek from the waters edge.

Public / Other Resource Users Concerns -- Company Action



Harvest Block Summary Form

Block 2801

Last Prescription Revision: August 06, 2004.

Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t25r11ep, t25r12ep, t26r12ep	Ortho Tile(s) #	7105670
Op. Area	Beaver Creek / Okimaw Lake	Road Mgmt Plan		Access Route	Beaver Creek	Access Route	Beaver Creek Road

AORP Plan

Year of Harvest	2005/2006	Contingency Block	N/A
Cut Season(s)	Winter	Contingency Criteria	N/A
Planned Area (ha)	69.00		
Reason(s) for Exceeding 100 ha	N/A		
Contractor	Hollow Water, W.M. Logging, Bjork Logging		
Company Supervisor	Unknown		
Harvest Equipment	Mechanical Harvesters and manual felling, 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 Preharvest Survey Completed summer of 1998.
Information collected prior to procedure change.

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	Use List Below to Determine Spp Comp							
Topography	Flat	Undul.	Rough	Very Rough				% Bedrock for Rough & Very Rough		FEC Vtype	Use List Below to Create Vtype % Distribution							
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated							Stand Structure	Volume (m3)	For Harvest Available	Planned					
Soil Depth	Deep	Moderate	Shallow	Rocky						Age	Ht	DBH						
Snags/Hectare	Softwood	Hardwood	<12 cm	12-30cm	>30 cm					Stand Structure	Total Softwood	Poplar	Other Hardwood	Total Hardwood	Total Volume			
Stems / Hectare	Merchantable Softwood	Merchantable Hardwood	Non-Merchantable							Stand Structure	JP	BF	BS	WS	L	TA	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	40%	40%				20%	
Treatment Type	Natural Regeneration	Natural Regeneration				Plant	
Target Species	Black Spruce Jack Pine	Jack Pine Black Spruce				Black and White Spruce	
Manitoba Conservation Standard	Softwood	Softwood				Softwood	

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Harvest Block Summary Form Block 2801

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.

This is an active block that has had harvesting operations take place over the last five years.

Plans are to finish harvesting activities over the course of the winter and early spring.

No harvesting will take place within the 100 meter visual screen on either side of the Beaver Creek Road where harvesting has not occurred in the past as identified on the Block Summary Maps.

No spraying within proposed buffer along Beaver and Harding Creek.

Access will be via Beaver Creek Road

A total of 2.2 kilometers of class 4 winter road is proposed for the block. This will eliminate the requirement for road 600 of the road management plan and the corresponding stream crossing culvert installation.

In-Block Watercourses

A 100 meter buffer from the creeks edge is prescribed for Harding Creek and its small tributary at the north end of the block.

A 100 meter buffer will be maintained along Beaver Creek.

Public / Other Resource Users Concerns -- Company Action



Harvest Block Summary Form

Block 2803 A

Block Mitigation

Harvest and Renewal Design

Mature hardwood - Harvest hardwood and incidental 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.

A sensitive site was identified requiring soil and water protection. Minimize crossing points and use Poplar corduroy if necessary.

Ground spraying and disc trenching will only be carried out if advanced softwood regeneration stocking is inadequate (less than 10%) following harvest. There will be no spraying within proposed buffer along Harding Creek.

Access will be via Beaver Creek Road.

A total of 2.5 kilometers of class 3A, 3.6 kilometers of class 3B and 1.4 kilometers of class 4 winter in-block roads is proposed for the block.

In-Block Watercourses

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

Public / Other Resource Users Concerns -- Company Action



Harvest Block Summary Form

Block 2803 B

Block Mitigation

Harvest & Renewal Design

Mature softwood - Harvest both softwood and hardwood, 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.

No ground spraying within proposed buffer along Harding Creek

Access will be via Beaver Creek Road.

A total of 2.5 kilometers of class 3A, 3.6 kilometers of class 3B and 1.4 kilometers of class 4 winter in-block roads is proposed for the block.

In-Block Watercourses

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

Public / Other Resource Users Concerns -- Company Action



Harvest Block Summary Form

Block 2803 C

Last Prescription Revision: June 22, 2005.

Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t26r11/12ep	Ortho Tile(s) #	7105670
Op. Area	Beaver Creek / Okimaw Lake	Road Mgmt Plan		Beaver Creek		Access Route	Beaver Creek Road

AORP Plan

Year of Harvest	2005/2006	Contingency Block	No
Cut Season(s)	All Season	Contingency Criteria	N/A
Planned Area (ha)	119.00	Reason(s) for Exceeding 100 ha	Natural landscape will break up the harvest area.
Contractor	Hollow Water, W.M. Logging, Bjork Logging		
Company Supervisor	Unknown		
Harvest Equipment	Mechanical Harvesters, Grapple & 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 19 Plots
- Based on Preharvest Survey Completed June 8 & 12, July 8 & 9, 2001

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	JP5BS2TA2WS1					
		5%	37%	5%	21%	5%		11%	16%							
Topography	Flat	Undul.	Rough	Very Rough				% Bedrock for Rough & Very Rough		FEC Vtype	V9 (10.5), V15 (10.5), V16 (10.5), V18 (10.5), V26 (10.5), V28 (10.5), V8 (5.3), V13 (5.3), V17 (5.3), V24 (5.3), V25 (5.3), V30 (5.3), V33 (5.3)					
	5%	53%	42%			30%										
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated							Stand Structure	Volume (m3)					
	37%	53%	11%							Age (yr)	Ht (m)	DBH (cm)	For Harvest Available	Planned		
Soil Depth	Deep	Moderate	Shallow	Rocky						JP	72	18	19	Pine	10,430.7	10,000.0
	16%	37%	37%	11%						BF				Spruce	7,177.6	5,000.0
Snags/Hectare		<12 cm	12-30cm	>30 cm						BS	70	15	17	Other Softwood	-	-
	Softwood	242	74							WS	66	14	15	Total Softwood	17,608.2	15000.0
	Hardwood	21	21							L				Poplar	4,493.2	3,500.0
										TA	86	22	21	Other Hardwood	-	-
Stems / Hectare										BP				Total Hardwood	4,493.2	3,500.0
	Merchantable Softwood					1,221				OH				Total Volume	22,101.4	18500.0
	Merchantable Hardwood					137										
	Non-Merchantable					158										

*** 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 (30%)	JP-C sh-rck JP-C dp-thin-O (40%)		JP-M BS-M (10%)		BS-M WS-M H-M (20%)	
Treatment Type	Natural Regeneration	Natural Regeneration		Plant		Plant	
Target Species	Black Spruce Jack Pine	Jack Pine		Black Spruce Jack Pine		Black Spruce White Spruce	
Manitoba Conservation Standard	Softwood	Softwood		Softwood		Mixedwood-M	

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Harvest Block Summary Form

Block 2803 C

Block Mitigation

Harvest & Renewal Design

Mature softwood - Harvest softwood and hardwood, 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.

No harvesting will take place within the 100 meter visual screen on either side of the Beaver Creek Road as identified on the Block Summary Maps.

No spraying within proposed buffer along Harding Creek . A follow up chemical release treatment may be necessary as the potential for aspen competition is high.

Access will be via Beaver Creek Road.

Access was made available to the block during road construction in 2002.

A total of 2.5 kilometers of class 3A, 3.6 kilometers of class 3B and 1.4 kilometers of class 4 winter in-block roads is proposed for the block.

In-Block Watercourses

A 100 meter buffer is prescribed from the creeks edge for Harding Creek and its tributary as per the plan block map. This will result in a variable width treed

buffer due to the variability of the riparian zone.

Public / Other Resource Users Concerns -- Company Action



Harvest Block Summary Form

Block 2803 D

Last Prescription Revision: October 06, 2005.

Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t26r12ep	Ortho Tile(s) #	7105670
Op. Area	Beaver Creek / Okimaw Lake	Road Mgmt Plan		Access Route	Beaver Creek	Access Route	Beaver Creek Road

AORP Plan

Year of Harvest	2005/2006	Contingency Block	No
Cut Season(s)	Mainly Winter	Contingency Criteria	N/A
Planned Area (ha)	59.86		
Reason(s) for Exceeding 100 ha	N/A		
Contractor	Hollow Water, W.M. Logging, Bjork Logging		
Company Supervisor	Unknown		
Harvest Equipment	Mechanical Harvesters equipped with processing heads & Line Skidders.		

Block Review / Approval Dates

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

Block Strata Description

* Based on 7 Plots
** Based on Preharvest Survey Completed June 7 & 9, 2001

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	BS8JP1					
			29%	14%				57%								
Topography	Flat	Undul.	Rough	Very Rough				% Bedrock for Rough & Very Rough		FEC Vtype	V29 (28.6), V17 (14.3), V18 (14.3), V20 (14.3), V31 (14.3), V33 (14.3)					
	29%	71%														
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated							Stand Structure	Volume (m3)					
		71%	29%							Age (yr)	Ht (m)	DBH (cm)	For Harvest Available	Planned		
Soil Depth	Deep	Moderate	Shallow	Rocky						JP			Pine	906	500	
		86%	14%							BF	56	11	14	Spruce	8952	4000
Snags/Hectare	Softwood	114	29							BS	75	15	15	Other Softwood	82	-
	Hardwood									WS				Total Softwood	9941	4500
										L	89	12	12	Poplar		-
Stems / Hectare	Merchantable Softwood		1,229							TA				Other Hardwood		-
	Merchantable Hardwood									BP				Total Hardwood		
	Non-Merchantable		143							OH				Total Volume	9941	4500

*** 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 (29%)			BS-C (42%)		BS-M (29%)	
Treatment Type	Natural Regeneration			Plant		Plant	
Target Species	Black Spruce			Black Spruce		Black Spruce	
Manitoba Conservation Standard	Softwood			Softwood		Softwood	

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Harvest Block Summary Form

Block 2803 D

Block Mitigation

Harvest & Renewal Design

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

Use rock outcrops where applicable, 1983 burn and nonproductive areas to help address line of sight concerns.

No spraying within proposed buffer along Harding Creek

Access will be via Beaver Creek Road.

A total of 2.5 kilometers of class 3A, 3.6 kilometers of class 3B and 1.4 kilometers of class 4 winter in-block roads is proposed for the block.

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.

In-Block Watercourses

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

Public / Other Resource Users Concerns -- Company Action



Harvest Block Summary Form

Block 2803 E

Last Prescription Revision: October 06, 2005.

Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t26r12ep	Ortho Tile(s) #	7105670
Op. Area	Beaver Creek / Okimaw Lake	Road Mgmt Plan		Access Route	Beaver Creek	Access Route	Beaver Creek Road

AORP Plan

Year of Harvest	2005/2006	Contingency Block	No
Cut Season(s)	Summer	Contingency Criteria	N/A
Planned Area (ha)	30.72		
Reason(s) for Exceeding 100 ha	N/A		
Contractor	Hollow Water, W.M. Logging, Bjork Logging		
Company Supervisor	Unknown		
Harvest Equipment	Mechanical Harvesters equipped with processing heads & Line Skidders.		

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
** Based on Preharvest Survey Completed June 7 & 9, 2001

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	BS6JP4					
		29%	43%				14%		14%							
Topography	Flat	Undul.	Rough	Very Rough						FEC Vtype	V29 (71.4), V26 (14.3), V28 (14.3)					
		29%	57%	14%			37%		% Bedrock for Rough & Very Rough							
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated							Stand Structure	Volume (m3)					
	71%	29%								Age (yr)	Ht (m)	DBH (cm)	For Harvest Available	Planned		
Soil Depth	Deep	Moderate	Shallow	Rocky						JP	91	14	16	Pine	1917	1000
	14%	14%	43%	29%						BF				Spruce	3515	1750
Snags/Hectare		<12 cm	12-30cm	>30 cm						BS	85	14	15	Other Softwood		
	Softwood	229	143							WS				Total Softwood	5432	2750
	Hardwood									L				Poplar	108	-
Stems / Hectare	Merchantable Softwood									TA				Other Hardwood		-
	Merchantable Hardwood									BP				Total Hardwood	108	
	Non-Merchantable									OH				Total Volume	5540	2750

*** 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 (71%)		JP-C dp-thinO BS-conifer (29%)			
Treatment Type		Natural Regeneration		Plant			
Target Species		Jack Pine Black Spruce		Black Spruce Jack Pine			
Manitoba Conservation Standard		Softwood		Softwood			

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Harvest Block Summary Form

Block 2803 E

Block Mitigation

Harvest & Renewal Design

Mature softwood - Harvest softwood and incidental hardwood, 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.

Isolated case of blowdown was encountered in the strata.

Access will be via Beaver Creek Road.

A total of 2.5 kilometers of class 3A, 3.6 kilometers of class 3B and 1.4 kilometers of class 4 winter in-block roads is proposed for the block.

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.

In-Block Watercourses

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

Public / Other Resource Users Concerns -- Company Action



Harvest Block Summary Form

Block 2803 F

Last Prescription Revision: October 06, 2005.

Block Location

Forest Section	<u>Lake Winnipeg East</u>	FMU	<u>31</u>	Twp/ Rge	<u>t26r12ep</u>	Ortho Tile(s) #	<u>7105670</u>
Op. Area	<u>Beaver Creek / Okimaw Lake</u>	Road Mgmt Plan	<u>Beaver Creek</u>	Access Route	<u>Beaver Creek Road</u>		

AORP Plan

Year of Harvest	<u>2005/2006</u>	Contingency Block	<u>No</u>
Cut Season(s)	<u>All season</u>	Contingency Criteria	<u>N/A</u>
Planned Area (ha)	<u>113.66</u>	Reason(s) for Exceeding 100 ha <u>Natural landscape will break up the harvest area.</u>	
Contractor	<u>Hollow Water, W.M. Logging, Bjork Logging</u>		
Company Supervisor	<u>Unknown</u>		
Harvest Equipment	<u>Mechanical Harvesters equipped with processing heads & Line Skidders.</u>		

Block Review / Approval Dates

IRMT 1st Review	<u>October 19, 2005</u>
Subsequent Review(s):	
IRMT Approved	<u>November 1, 2005</u>
Commencement Date	<u>June 01, 2006.</u>
Final Inspection Date	

Block Strata Description

* Based on 14 Plots
** Based on Preharvest Survey Completed June 8 & 11, 2001

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	JP7BS2TA21					
		21%	43%	7%	7%	21%										
Topography	Flat	Undul.	Rough	Very Rough				% Bedrock for Rough & Very Rough		FEC Vtype	V26 (28.6), V24 (14.3), V25 (14.3), V29 (14.3), V15 (7.1), V17 (7.1), V18 (7.1), V28 (7.1)					
		43%	43%	14%												
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated							Stand Structure	Volume (m3)					
	57%	43%								Age (yr)	Ht (m)	DBH (cm)	For Harvest Available	Planned		
Soil Depth	Deep	Moderate	Shallow	Rocky						JP	62	15	15	Pine	11527	6000
	7%	43%	50%							BF				Spruce	3712	1850
Snags/Hectare		<12 cm	12-30cm	>30 cm						BS	59	16	15	Other Softwood	408	-
	Softwood	443	57							WS				Total Softwood	15646	7850
	Hardwood									L				Poplar	1871	-
Stems / Hectare	Merchantable Softwood									TA	67	21	20	Other Hardwood		-
	Merchantable Hardwood									BP				Total Hardwood	1871	
	Non-Merchantable									OH				Total Volume	17517	7850

*** 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 (30%)	JP-C sh-rck JP-C dp-thinO (41%)		JP-M BS-C (24%)		BS-M (5%)	
Treatment Type	Natural Regeneration	Natural Regeneration		Plant		Plant	
Target Species	Jack Pine	Jack Pine		Black Spruce		Black Spruce	
Manitoba Conservation Standard	Softwood	Softwood		Softwood		Softwood	

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Harvest Block Summary Form

Block 2803 F

Block Mitigation

Harvest & Renewal Design

Mature softwood - Harvest softwood and incidental hardwood, 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.

No harvesting will take place within the 100 meter visual screen on either side of the Beaver Creek Road as identified on the Block Summary Maps.

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.

Access will be via Beaver Creek Road.

A total of 2.5 kilometers of class 3A, 3.6 kilometers of class 3B and 1.4 kilometers of class 4 winter in-block roads is proposed for the block.

No spraying within proposed buffer along Harding Creek.

In-Block Watercourses

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

Public / Other Resource Users Concerns -- Company Action



Harvest Block Summary Form

Block 2804

Last Prescription Revision: June 22, 2005.

Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t25r11ep, t26r11ep	Ortho Tile(s) #	7105670
Op. Area	Beaver Creek / Okimaw Lake	Road Mgmt Plan		Beaver Creek		Access Route	Beaver Creek Road

AORP Plan

Year of Harvest	2005/2006	Contingency Block	N/A
Cut Season(s)	Year Round	Contingency Criteria	N/A
Planned Area (ha)	453.00	Reason(s) for Exceeding 100 ha: Natural landscape will break up the harvest area.	
Contractor	Hollow Water, W.M. Logging, Bjork Logging		
Company Supervisor	Unknown		
Harvest Equipment	Mechanical Harvesters equipped with processing heads & 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 Preharvest Survey Completed summer of 1999.
Information collected prior to procedure change.

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	Use List Below to Determine Spp Comp
Topography	Flat	Undul.	Rough	Very Rough	% Bedrock for Rough & Very Rough				FEC Vtype	Use List Below to Create Vtype % Distribution	
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)	Pine	26,760.0	10,050.0	
Snags/Hectare	Softwood	<12 cm	12-30cm	>30 cm	JP			Spruce	14,049.0	4,950.0	
Stems / Hectare	Merchantable Softwood				BS			Other Softwood		-	
	Merchantable Hardwood				WS			Total Softwood	40809.0	15,000.0	
	Non-Merchantable				L			Poplar	3,008.0	200.0	
					TA			Other Hardwood		-	
					BP			Total Hardwood	3,008.0	200.0	
					OH			Total Volume	43817.0	15,200.0	

- 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	30%	20%				50%	
Treatment Type	Natural Regeneration	Natural Regeneration Plant				Plant	
Target Species	Black Spruce	Jack Pine Black Spruce				Black Spruce White Spruce	
Manitoba Conservation Standard	Softwood	Softwood				Mixedwood-M	



Harvest Block Summary Form Block 2804

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.

Access will be via Beaver Creek Road

A total of 2 kilometers of class 3A roads and 3.1 kilometers of class 4 roads is proposed for the block.

There will be no spraying within the proposed buffer along Harding Creek. Black Spruce swamps will be left to regenerate naturally. Upland coniferous sites will be scarified and left to regenerate naturally or planted with Black Spruce. Mixedwood sites will be sprayed, disc trenched and planted with Black and White Spruce. A follow up chemical release is likely as this site has a high competition potential.

In-Block Watercourses

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

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.

Public / Other Resource Users Concerns -- Company Action



Harvest Block Summary Form

Block 2805 B

Last Prescription Revision: June 22, 2005.

Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t26r11ep	Ortho Tile(s) #	7105670, 7105680
Op. Area	Beaver Creek/Okimaw Lake	Road Mgmt Plan			Beaver Creek	Access Route	Beaver Creek Road

AORP Plan

Year of Harvest	2005/2006	Contingency Block	N/A
Cut Season(s)	All Season	Contingency Criteria	N/A
Planned Area (ha)	139.70	Reason(s) for Exceeding 100 ha Natural landscape will break up the harvest area.	
Contractor	Hollow Water, W.M. Logging, Bjork Logging		
Company Supervisor	Unknown		
Harvest Equipment	Mechanical Harvesters equipped with processing heads & 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 18 Plots
- Based on Preharvest Survey Completed June 7, 9, 10 & August 14, 2001

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	BS4JP3TA3		
		6%	17%	11%	22%	28%		17%					
Topography	Flat	Undul.	Rough	Very Rough		5%	% Bedrock for Rough & Very Rough			FEC Vtype	V17 (33.3), V26 (16.7), V15 (11.1), V16 (11.1), V31 (11.1), V8 (5.6), V13 (5.6), V18 (5.6)		
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated				Stand Structure			Volume (m3)	For Harvest		
	33%	50%	17%				Age (yr)	Ht (m)	DBH (cm)		Available	Planned	
Soil Depth	Deep	Moderate	Shallow	Rocky			JP	68	17	19	Pine	5,974.5	4,000.0
	33%	33%	17%	17%			BF				Spruce	9,097.6	6,000.0
Snags/Hectare		<12 cm	12-30cm	>30 cm			BS	68	16	16	Other Softwood	1,723.0	
	Softwood	389	22				WS	72	15	21	Total Softwood	16,795.0	10,000.0
	Hardwood	11	33				L				Poplar	6,735.1	2,910.0
							TA	68	26	29	Other Hardwood		
Stems / Hectare	Merchantable Softwood						BP				Total Hardwood	6,735.1	2,910.0
	Merchantable Hardwood						OH				Total Volume	23,530.1	12,910.0
	Non-Merchantable												

- 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-Orig JP-C sh-rck H-M (28%)	BS-C JP-M (28%)				BS-M (44%)	
Treatment Type	Natural Regeneration	Natural Regeneration				Plant	
Target Species	Black Spruce Jack Pine Trembling Aspen	Black Spruce Jack Pine				Black Spruce	
Manitoba Conservation Standard	Softwood and Hardwood	Softwood				Mixedwood - M	

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Harvest Block Summary Form

Block 2805 B

Block Mitigation

Harvest & Renewal Design

Mature softwood - Harvest 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.

Severe levels of Yellow Stringy Rot encountered in the strata. The infected area is found within the harvest design and does not fall within any buffers, leave areas or wildlife corridors. As a result no additional prescription is prescribed.

No spraying within buffer along Harding Creek and special feature area. A chemical release treatment may be necessary in the mixedwood sites if hardwood competition is impeding on softwood growth.

Access will be via Beaver Creek Road

A total of .7 kilometers of class 3B and 3.3 kilometers of class 4 in-block roads is proposed for the block.

In-Block Watercourses

No in-block watercourses have been identified other than Harding Creek that borders the block to the south and a tributary of Harding Creek to the east as well as Tuhkanen Creek to the north.

A 100 meter buffer is prescribed from the creeks edge for each creek 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

Ensure special feature is protected by a 200 meter buffer as identified on the plan map.



Harvest Block Summary Form

Block 2805 C

Last Prescription Revision: June 22, 2005.

Block Location

Forest Section	<u>Lake Winnipeg East</u>	FMU	<u>31</u>	Twp/ Rge	<u>t26r11ep</u>	Ortho Tile(s) #	<u>7105670, 7105680</u>
Op. Area	<u>Beaver Creek/Okimaw Lake</u>	Road Mgmt Plan	<u>-----</u>	Access Route	<u>Beaver Creek 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>7.50</u>		
Reason(s) for Exceeding 100 ha	<u>N/A</u>		
Contractor	<u>Hollow Water, W.M. Logging, Bjork Logging</u>		
Company Supervisor	<u>Unknown</u>		
Harvest Equipment	<u>Mechanical Harvesters equipped with processing heads & 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 8 Plots
- Based on Preharvest Survey Completed August 14 & 17, 2001

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	BS7JP2TA1					
			38%	25%		13%		25%								
Topography	Flat	Undul.	Rough	Very Rough				% Bedrock for Rough & Very Rough		FEC Vtype	V18 (37.5), V28 (25), V26 (12.5), V29 (12.5), V31 (12.5)					
	13%	25%	50%	13%												
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated							Stand Structure	Volume (m3)					
	13%	88%								Age (yr)	Ht (m)	DBH (cm)	For Harvest Available	Planned		
Soil Depth	Deep	Moderate	Shallow	Rocky						JP	18	20	Pine	323.4	323.4	
	38%		63%							BF			Spruce	866.1	866.1	
Snags/Hectare		<12 cm	12-30cm	>30 cm						BS	70	19	20	Other Softwood		
	Softwood	425	75							WS				Total Softwood	1,189.5	1,189.5
	Hardwood		25							L				Poplar	135.6	135.6
Stems / Hectare	Merchantable Softwood			1,425						TA	60	17	31	Other Hardwood		
	Merchantable Hardwood			50						BP				Total Hardwood	135.6	135.6
	Non-Merchantable			225						OH				Total Volume	1,325.1	1,325.1

- 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 (35%)				JP-C sh-rck BS-C (50%)	BS-M (15%)	
Treatment Type	Natural Regeneration				Natural Regeneration Plant	Plant	
Target Species	Black Spruce Jack Pine				Jack Pine Black Spruce	Black Spruce	
Manitoba Conservation Standard	Softwood				Softwood	Softwood	

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Harvest Block Summary Form

Block 2805 C

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.

No spraying within proposed buffer along Tuhkanen Creek.

Access will be via Beaver Creek Road

A total of .7 kilometers of class 3B and 3.3 kilometers of class 4 in-block roads is proposed for the block.

In-Block Watercourses

No in-block watercourses have been identified other than Tuhkanen Creek that borders the strata 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.

Public / Other Resource Users Concerns -- Company Action



Harvest Block Summary Form

Block 2805 D

Last Prescription Revision: June 22, 2005.

Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t26r11ep	Ortho Tile(s) #	7105670
Op. Area	Beaver Creek/Okimaw Lake	Road Mgmt Plan		Access Route	Beaver Creek	Access Route	Beaver Creek Road

AORP Plan

Year of Harvest	2005/2006	Contingency Block	No
Cut Season(s)	Winter	Contingency Criteria	N/A
Planned Area (ha)	14.00		
Reason(s) for Exceeding 100 ha	N/A		
Contractor	Hollow Water, W.M. Logging, Bjork Logging		
Company Supervisor	Unknown		
Harvest Equipment	Mechanical Harvesters equipped with processing heads & 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 6 Plots
- Based on Preharvest Survey Completed June 9 & August 17, 2001

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	BS5JP4TL1		
					17%			50%	33%				
Topography	Flat	Undul.	Rough	Very Rough		7%	% Bedrock for Rough & Very Rough		FEC Vtype	V28 (33.3), V31 (33.3), V20 (16.7), V26 (16.7) V31 (16.7)			
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated				Stand Structure			Volume (m3)	For Harvest		
	17%	33%	50%				Age (yr)	Ht (m)	DBH (cm)		Available	Planned	
Soil Depth	Deep	Moderate	Shallow	Rocky			JP	86	19	24	Pine	564.2	564.2
	50%	17%	17%	17%			BF				Spruce	859.1	859.1
							BS	75	18	18	Other Softwood	215.1	215.1
Snags/Hectare		<12 cm	12-30cm	>30 cm			WS				Total Softwood	1,638.5	1,638.5
	Softwood	200		33			L	42	22	21	Poplar		
	Hardwood						TA				Other Hardwood		
							BP				Total Hardwood		
Stems / Hectare	Merchantable Softwood			1,000			OH				Total Volume	1,638.5	1,638.5
	Merchantable Hardwood												
	Non-Merchantable			133									

- 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 (50%)	JP-C sh-rck BS-C (50%)					
Treatment Type	Natural Regeneration	Natural Regeneration					
Target Species	Black Spruce	Jack Pine Black Spruce					
Manitoba Conservation Standard	Softwood	Softwood					

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Harvest Block Summary Form

Block 2805 D

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.

Access will be via Beaver Creek Road

A total of .7 kilometers of class 3B and 3.3 kilometers of class 4 in-block roads is proposed for the block.

In-Block Watercourses

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

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.

Public / Other Resource Users Concerns -- Company Action



Harvest Block Summary Form

Block 2805 E

Last Prescription Revision: June 22, 2005.

Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t26r11ep	Ortho Tile(s) #	7105670
Op. Area	Beaver Creek/Okimaw Lake	Road Mgmt Plan		Beaver Creek		Access Route	Beaver Creek Road

AORP Plan

Year of Harvest	2005/2006	Contingency Block	No
Cut Season(s)	All Season	Contingency Criteria	N/A
Planned Area (ha)	36.97		
Reason(s) for Exceeding 100 ha	N/A		
Contractor	Hollow Water, W.M. Logging, Bjork Logging		
Company Supervisor	Unknown		
Harvest Equipment	Mechanical Harvesters equipped with processing heads & Line Skidders.		

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 6 Plots
- Based on Preharvest Survey Completed August 14, 2001

Surface Soil Text	Gravel	Sand 17%	S. Loam	Loam 17%	C. Loam	Clay 67%	Silt	Deep Organic	Shallow Organic	Species Composition	JP7BS2TA1	
Topography	Flat 67%	Undul. 17%	Rough 17%	Very Rough		10%	% Bedrock for Rough & Very Rough		FEC Vtype	V15 (33.3), V26 (33.3), V8 (16.7), V13 (16.7)		
Soil Moisture	Arid / Dry 50%	Moist / Very Moist 50%	Wet / Saturated				Stand Structure			Volume (m3)	For Harvest	
Soil Depth	Deep 67%	Moderate	Shallow 17%	Rocky 17%			Age (yr)	Ht (m)	DBH (cm)	Pine	Available	Planned
Snags/Hectare	Softwood	<12 cm 267	12-30cm 67	>30 cm			JP 72	20	23	Spruce	1,828.7	1,828.7
Stems / Hectare	Merchantable Softwood						BF			Other Softwood	549.6	549.6
	Merchantable Hardwood						BS 68	14	13	Total Softwood	2,378.3	2,378.3
	Non-Merchantable						WS			Poplar	417.7	417.7
							L			Other Hardwood		
							TA 65	24	29	Total Hardwood	417.7	417.7
							BP			Total Volume	2,796.0	2,796.0
							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	H-M (17%)	JP-C sh-rck (33%)				JP-M WS-M (50%)	
Treatment Type	Natural Regeneration	Natural Regeneration				Plant	
Target Species	Trembling Aspen	Jack Pine				White & Black Spruce	
Manitoba Conservation Standard	Hardwood	Softwood				Softwood	

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Harvest Block Summary Form

Block 2805 E

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.

No spraying within proposed buffer along Harding Creek and special use area. A chemical release treatment may be necessary where Aspen is impeding softwood growth.

Access will be via Beaver Creek Road

A total of .7 kilometers of class 3B and 3.3 kilometers of class 4 in-block roads is proposed for the block.

In-Block Watercourses

No in-block watercourses have been identified other than Harding Creek that borders the block to the south and a tributary of Harding Creek to the east.

A 100 meter buffer is prescribed from the creeks edge for each creek 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

A special use area has been identified on the north side of Harding Creek in the south east corner of the strata.

A 200 meter buffer is prescribed to protect the site on the north side of the creek.



Harvest Block Summary Form

Block 2806 A

Last Prescription Revision: June 22, 2005.

Block Location

Forest Section	<u>Lake Winnipeg East</u>	FMU	<u>31</u>	Twp/ Rge	<u>t25r11ep</u>	Ortho Tile(s) #	<u>710 5670</u>
Op. Area	<u>Beaver Creek/Okimaw Lake</u>	Road Mgmt Plan	<u>Beaver Creek</u>	Access Route	<u>Beaver Creek</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>301.90</u>	Reason(s) for Exceeding 100 ha	<u>Natural landscape will break up the harvest area.</u>
Contractor	<u>Hollow Water, W.M. Logging, Bjork Logging</u>		
Company Supervisor	<u>Unknown</u>		
Harvest Equipment	<u>Mechanical Harvesters equipped with processing heads & 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 Preharvest Survey Completed summer of 1998.

Information collected prior to procedure change.

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	Use List Below to Determine Spp Comp
Topography	Flat	Undul.	Rough	Very Rough	% Bedrock for Rough & Very Rough				FEC Vtype	Use List Below to Create Vtype % Distribution	
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	<12 cm	12-30cm	>30 cm	BF			BS	Spruce	-	-
Stems / Hectare	Merchantable Softwood				WS			L	Other Softwood	-	-
	Merchantable Hardwood				TA			BP	Total Softwood	-	-
	Non-Merchantable				OH				Poplar	-	-
									Other Hardwood	-	-
									Total Hardwood	-	-
									Total Volume	-	-

- 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 50%				BS-C, JP-C dp-ThinO 40%	BS-M 10%	
Treatment Type	Natural Regeneration				Plant	Plant	
Target Species	Black Spruce Jack Pine				Black Spruce	Black Spruce White Spruce	
Manitoba Conservation Standard	Softwood				Softwood	Mixedwood-M	

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Harvest Block Summary Form

Block 2806 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.

Access will be via Beaver Creek Road in conjunction with road 200 and 900 of the Beaver Creek Road Management Plan.

A total of 9.0 kilometers of main class 4 winter roads is proposed for the block.

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.

Most of the block is winter access only, disc trench on the frost and snow cache spruce. Upland spruce areas which can be accessed in the summer will be sprayed where required, trenched & planted with spruce. Pine sites will be drag chained where summer access is possible and left for natural. Black spruce swamps and rock outcrops will be left to regenerate naturally. No spraying within proposed buffer along noname creek.

In-Block Watercourses

One no name in-block watercourses has been identified in the south east portion of the block.

A 100 meter buffer is prescribed from the creeks edge for the no name creek 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

One sensitive site has been identified within the special use area protection site category.

Ensure this sensitive site (trail) is not obstructed during and upon completion of the harvest.