



Harvest Block Summary Form

Block BIR-01 A

Last Prescription Revision: December 23, 2008.

Block Location

Forest Section	<u>Lake Winnipeg East</u>	FMU	<u>31</u>	Twp/ Rge	<u>t17r13ep</u>	Ortho Tile(s) #	<u>7305590</u>
Op. Area	<u>Bird River</u>	Road Mgmt Plan	<u>-----</u>	Access Route	<u>Highway 315</u>		

AORP Plan

Year of Harvest	<u>2009/2010</u>	Contingency Block	<u>Yes</u>
Cut Season(s)	<u>Winter</u>	Contingency Criteria	<u>To provide additional volume if required.</u>
Planned Area (ha)	<u>26.00</u>		
Reason(s) for Exceeding 100 ha	<u>N/A</u>		
Contractor	<u>Top Notch Lumber</u>		
Company Supervisor	<u>Unknown</u>		
Harvest Equipment	<u>Line Skidder</u>		

Block Review / Approval Dates

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

Block Strata Description

- Based on 6 Plots
- Base on Preharvest Survey Completed August 21, 2002

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	BA9 TA1
			50%		50%						
Topography	Flat	Undul.	Rough	Very Rough		27%	% Bedrock for Rough & Very Rough		FEC Vtype	V2 (50), V8 (50)	
	50%		50%								
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated								
	50%	33%	17%								
Soil Depth	Deep	Moderate	Shallow	Rocky							
		50%	33%	17%							
Snags / Hectare	Softwood	<12 cm	12-30cm	>30 cm							
	Hardwood	33	33								
Stems / Hectare	Merchantable Softwood			33							
	Merchantable Hardwood			567							
	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	TA-H H-M 100%						
Treatment Type	Leave for Natural						
Target Species	BA, ASH						
Manitoba Conservation Standard	Hardwood						

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Harvest Block Summary Form

Block BIR-01 A

Block Mitigation

Harvest & Renewal Design

Mature hardwood - Harvest hardwood (predominantly Black Ash) and incidental Spruce, 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 1.6 kilometers of class 4 winter roads is proposed for the block.

In-Block Watercourses

No inblock water courses identified

Public / Other Resource Users Concerns -- Company Action

Avoid special use area to the north of the block (Exploration Permit Area).

A small hardwood and softwood operation will be conducted in block 2402.

No detail will be provided for this block as volumes extracted will be less than 300 cubic meters.

The area of interest in block 2402 falls outside the area for the Land Treaty Entitlement for Brokenhead and Norway House.



Harvest Block Summary Form

Block BIR-07 A

Last Prescription Revision: December 23, 2008.

Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t17r14ep	Ortho Tile(s) #	740 5590
Op. Area	Bird River	Road Mgmt Plan	-----	Access Route	Hwy 315		

AORP Plan

Year of Harvest	2009/2010	Contingency Block	Yes
Cut Season(s)	Refer to Public / Other Resource Users Concerns Section	Contingency Criteria	Resolution of Forest Enhancement Proposal
Planned Area (ha)	196.95	Reason(s) for Exceeding 100 ha: Natural landscape and residual trees will break up the harvest area.	
Contractor	Unknown		
Company Supervisor	Unknown		
Harvest Equipment	Not Determined		

Block Review / Approval Dates

IRMT 1st Review	-----
Subsequent Review(s):	-----
Technical Review Completed	-----
Commencement Date	Unknown
Final Inspection Date	-----

Block Strata Description

- Based on 15 Plots
- Base on Preharvest Survey Completed September 3, 2003

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	TA3 BS3 JP2 BP1 BF1		
		20%	33%	7%	33%				7%				
Topography	Flat	Undul.	Rough	Very Rough				% Bedrock for Rough & Very Rough		FEC Vtype	V29 (50%), V9 (30%), V8 (20%)		
	53%	27%	20%			1%							
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated	Stand Structure			Volume (m3)		For Harvest				
	80%	20%					Age (yr)	Ht (m)	DBH (cm)	Available	Planned		
Soil Depth	Deep	Moderate	Shallow	Rocky			JP	61	14	16	Pine	3,852.3	0.0
	60%	20%	20%				BF	59	17	18	Spruce	7,746.7	0.0
Snags / Hectare		<12 cm	12-30cm	>30 cm			BS	64	13	17	Other Softwood	81.4	0.0
	Softwood	520	147				WS				Total Softwood	11,680.4	0.0
	Hardwood	27					L				Poplar	11,134.2	0.0
Stems / Hectare	Merchantable Softwood	587					TA	52	16	19	Other Hardwood	2,329.3	0.0
	Merchantable Hardwood	453					BP	32	15	13	Total Hardwood	13,463.5	0.0
	Non-Merchantable	280					OH				Total Volume	25,144.0	0.0

- 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	refer to the block mitigation section						
Treatment Type							
Target Species							
Manitoba Conservation Standard							

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Harvest Block Summary Form

Block BIR-07 A

Block Mitigation

Harvest & Renewal Design

Mature mixedwood - Harvest Aspen, Spruce and Pine, 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.

Forest Enhancement Trial is identified within the block along P.T.H. 315 to a distance of 100 meters from the highway right of way (original buffer) as identified on the block summary map. An over mature forest exists within the trial area where the forest is declining and losing its aesthetics appeal.

Prescription of trial has been developed through the consultation process involving local stakeholders to salvage wood from the trial area and enhance the aesthetics appeal from the highway. Implementation will be subject to Manitoba Conservation approval.

Consideration given for more residual retention to be left within the first 20 meters of the PTH 315 road right of way where it exists.

A traditional harvest is prescribed behind the Enhancement Trial where harvesting for spruce took place in 1963.

Operations will rely mainly on old harvesting roads for access.

Considerable amount of blowdown found.

Renewal objective is to promote regeneration of a softwood dominated mixedwood site. Following harvest, area will be left for a year to allow for aspen suckering. The area will then be ground sprayed with Vision at a rate of 2.5 litres/ha, site prepared and planted with White & Black Spruce. No spraying will occur within 20 metres of PTH 315 and 50 metres of Peterson Creek. Jack Pine sites will be chain dragged and left for natural regeneration.

In-Block Watercourses

Peterson Creek borders the block to the north.

A 50 meter buffer is prescribed from the creeks edge for Peterson 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

Designated fuelwood area will be identified within the the Forest Enhancement Trial during the time period between harvesting and renewal activities for local use.

STE Species identified (Carmine Shiner) in two locations as identified on the block summary maps. Forest Management Prescriptions and Procedures identified through Tembec's High Conservation Value Forest Assessment Report for the FML 01 and federal and provincial guidelines will mitigate potential impacts on the Carmine Shiner and its habitat. The most significant impacts on the carmine shiner are from agriculture practices and forestry stream crossing installations, as they relate to erosion and sediment input (Kotak and Lidgett, 2004). Given that the harvest block does not involve any in-stream work or harvesting up to the waters edge (ie., the use of no harvest buffer), no impacts are anticipated on the carmine shiner from operations in the proposed block.

Equipment or landings will not be stored/established on the PTH 315 right of way.

Road access locations along PTH 315 will be minimized.

Inblock roads will be forested except as identified for ATV, X-countryskiing, trapping and wildlife outfitting.

No timber hauling will take place from noon on Friday to noon on Monday from the May long weekend to the September long weekend. On long weekends the hauling will be restricted to noon on Tuesday.

A public information sign will be erected along PTH 315 prior to commencing harvest operations.

Consideration will be given to local harvesting contractors.



Harvest Block Summary Form

Block BIR-2404 A

Last Prescription Revision: December 23, 2008.

Block Location

Forest Section	Lake Winnipeg East	FMU	31	Twp/ Rge	t17r13ep	Ortho Tile(s) #	7305590
Op. Area	Bird River	Road Mgmt Plan	-----	Access Route	Highway 315		

AORP Plan

Year of Harvest	2009/2010	Contingency Block	Yes
Cut Season(s)	Winter	Contingency Criteria	To provide additional volume if required.
Planned Area (ha)	66.90		
Reason(s) for Exceeding 100 ha	N/A		
Contractor	Top Notch Lumber		
Company Supervisor	Unknown		
Harvest Equipment	Line Skidder		

Block Review / Approval Dates

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

Block Strata Description

- Based on 6 Plots
- Based on Preharvest Survey Completed July 31, 2001 & August 1, 2001

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	TA10
						100%					
Topography	Flat 83%	Undul. 17%	Rough	Very Rough			% Bedrock for Rough & Very Rough		FEC Vtype	V5 (50), V3 (33.3), V8 (16.7)	
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated				Stand Structure		Volume (m3)	For Harvest Available Planned	
		67%	33%				Age (yr)	Ht (m)	DBH (cm)		
Soil Depth	Deep	Moderate	Shallow	Rocky			JP			Pine	
	100%						BF			Spruce	
							BS			Other Softwood	
							WS			Total Softwood	
Snags/Hectare		<12 cm	12-30cm	>30 cm			L			Poplar	5,762.5
	Softwood						TA	34	32	Other Hardwood	22.3
	Hardwood	33	67				BP			Total Hardwood	5,784.8
							OH			Total Volume	5,784.8
Stems / Hectare	Merchantable Softwood										
	Merchantable Hardwood				333						
	Non-Merchantable				67						

- 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	Natural Regeneration						
Target Species	Trembling Aspen Black Ash						
Manitoba Conservation Standard	Hardwood						



Harvest Block Summary Form

Block BIR-2404 A

Block Mitigation

Harvest & Renewal Design

Mature hardwood - Harvest hardwood and incidental Spruce or Pine, 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 1.3 kilometers of class 4 winter roads is proposed for the block.

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

In-Block Watercourses

No in-block watercourses have been identified

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.



Harvest Block Summary Form

Block BIR-2405 A

Last Prescription Revision: December 23, 2008.

Block Location

Forest Section	<u>Lake Winnipeg East</u>	FMU	<u>31</u>	Twp/ Rge	<u>t17r13ep</u>	Ortho Tile(s) #	<u>7305590</u>
Op. Area	<u>Bird River</u>	Road Mgmt Plan	<u>-----</u>	Access Route	<u>Highway 315</u>		

AORP Plan

Year of Harvest	<u>2009/2010</u>	Contingency Block	<u>N/A</u>
Cut Season(s)	<u>Winter</u>	Contingency Criteria	<u>N/A</u>
Planned Area (ha)	<u>32.74</u>		
Reason(s) for Exceeding 100 ha	<u>N/A</u>		
Contractor	<u>Top Notch Lumber</u>		
Company Supervisor	<u>Unknown</u>		
Harvest Equipment	<u>Line Skidders</u>		

Block Review / Approval Dates

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

Block Strata Description

- Based on 8 Plots
- Based on Preharvest Survey Completed July 30/31 & August 1, 2001

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	TA10
					25%	75%					
Topography	Flat	Undul.	Rough	Very Rough	% Bedrock for Rough & Very Rough				FEC Vtype	V5 (62.5), V8 (25), V13 (12.5)	
	88%	13%									
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated	Stand Structure				Volume (m3)		For Harvest	
		75%	25%	Age	Ht	DBH			Available	Planned	
Soil Depth	Deep	Moderate	Shallow	Rocky	JP			Pine		-	
	100%				BF			Spruce		-	
Snags/Hectare		<12 cm	12-30cm	>30 cm	BS			Other Softwood		-	
	Softwood				WS			Total Softwood		-	
	Hardwood		75		L			Poplar	2,092.0	-	
					TA	71	33	34	Other Hardwood	-	
					BP			Total Hardwood	2,092.0	-	
Stems / Hectare	Merchantable Softwood				OH			Total Volume	2,092.0	-	
	Merchantable Hardwood			175							
	Non-Merchantable			75							

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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	TA-H H-M (100%)						
Treatment Type	Natural Regeneration						
Target Species	Trembling Aspen						
Manitoba Conservation Standard	Hardwood						



Harvest Block Summary Form Block BIR-2405 A

Block Mitigation

Harvest and Renewal Design

Mature hardwood - Harvest hardwood and incidental Spruce or Pine, 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.

Harvesting activities commenced in this block during the winter of 2002.

A total of 1.4 kilometers of class 4 winter roads is proposed for the block.

In-Block Watercourses

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

A 50 meter buffer is prescribed from the creeks edge for tributary of Peterson 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

Identified as high value trapping habitat.



Harvest Block Summary Form

Block BIR-2405 B

Last Prescription Revision: December 23, 2008.

Block Location

Forest Section	<u>Lake Winnipeg East</u>	FMU	<u>31</u>	Twp/ Rge	<u>t17r14ep</u>	Ortho Tile(s) #	<u>7305590</u>
Op. Area	<u>Bird River</u>	Road Mgmt Plan	<u>-----</u>	Access Route	<u>Highway 315</u>		

AORP Plan

Year of Harvest	<u>2009/2010</u>	Contingency Block	<u>Yes</u>
Cut Season(s)	<u>Winter</u>	Contingency Criteria	<u>To provide additional volume if required.</u>
Planned Area (ha)	<u>51.04</u>		
Reason(s) for Exceeding 100 ha	<u>N/A</u>		
Contractor	<u>Top Notch Lumber</u>		
Company Supervisor	<u>Unknown</u>		
Harvest Equipment	<u>Line Skidders</u>		

Block Review / Approval Dates

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

Block Strata Description

- Based on 6 Plots
- Based on Preharvest Survey Completed July 30, 2001

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	TA8WS2	
					33%	67%						
Topography	Flat	Undul.	Rough	Very Rough	% Bedrock for Rough & Very Rough				FEC Vtype	V16 (50), V13 (33.3), V5 (16.7)		
	17%	83%										
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated	Stand Structure				Volume (m3)	For Harvest			
		83%	17%		Age (yr)	Ht (m)	DBH (cm)		Available	Planned		
Soil Depth	Deep	Moderate	Shallow	Rocky				Pine				
	83%	17%			JP							
Snags/Hectare	Softwood	Hardwood	<12 cm	12-30cm	>30 cm	BF	42	12	14	Spruce	2,029.8	-
	100	67				BS				Other Softwood		-
	33	33				WS	63	17	28	Total Softwood	2,029.8	-
						L				Poplar	7,585.0	-
						TA	67	24	27	Other Hardwood	384.5	-
						BP				Total Hardwood	7,969.5	-
						OH				Total Volume	9,999.3	-
Stems / Hectare	Merchantable Softwood											
											300	
	Merchantable Hardwood											467
	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	TA-H (100%)						
Treatment Type	Natural Regeneration						
Target Species	Trembling Aspen White Spruce						
Manitoba Conservation Standard	Mixedwood-N						



Harvest Block Summary Form Block BIR-2405 B

Block Mitigation

Harvest Design Related to Forest Strata Condition

Mature hardwood - Harvest hardwood and incidental Spruce or Pine, 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.

Extensive understory protection of softwoods required (less than 250 stems per hectare).

Protect understory by avoiding clumps of advanced softwood understory with respect to roads, skid trails and harvesting where possible.

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

Protect patches of softwood understory during harvesting and let aspen regenerate back naturally.

A total of 1.4 kilometers of class 4 winter roads is proposed for the block.

In-Block Watercourses

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

A 50 meter buffer is prescribed from the creeks edge for tributary of Peterson 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

Identified as high value trapping habitat.



Harvest Block Summary Form Block BIR-2406 A

Block Mitigation

Harvest & Renewal Design

Mature hardwood - Harvest hardwood and incidental Spruce or Pine, 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.

Moderate understory protection of softwoods required (333 stems per hectare of white spruce).

As part of protecting the white spruce understory, skidding is restricted to skid trails perpendicular to prevailing winds and topography where possible.

Waiving of the limbing at stump policy may be required due to slash loading.

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

Protect softwood understory during harvest and let aspen regenerate back naturally

A total of 4.5 kilometers of winter roads is proposed for the block.

In-block watercourses will be traversed during frozen conditions only.

Public / Other Resource Users Concerns -- Company Action

Area valued as high value trapping habitat.



Harvest Block Summary Form

Block BIR-2406 B

Last Prescription Revision: December 23, 2008.

Block Location

Forest Section	<u>Lake Winnipeg East</u>	FMU	<u>31</u>	Twp/ Rge	<u>t17r14ep</u>	Ortho Tile(s) #	<u>7305590</u>
Op. Area	<u>Bird River</u>	Road Mgmt Plan	<u>-----</u>	Access Route	<u>Highway 315</u>		

AORP Plan

Year of Harvest	<u>2009/2010</u>	Contingency Block	<u>Yes</u>
Cut Season(s)	<u>Winter</u>	Contingency Criteria	<u>To provide additional volume if required.</u>
Planned Area (ha)	<u>37.14</u>		
Reason(s) for Exceeding 100 ha	<u>N/A</u>		
Contractor	<u>Unknown</u>		
Company Supervisor	<u>Not Applicable</u>		
Harvest Equipment	<u>Unknown</u>		

Block Review / Approval Dates

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

Block Strata Description

- Based on 6 Plots
- Based on Preharvest Survey Completed July 30 & August 1, 2001

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	TA8BF1WS1				
						83%		17%							
Topography	Flat	Undul.	Rough	Very Rough					% Bedrock for Rough & Very Rough	FEC Vtype	V6 (50), V21 (33.3), V13 (16.7)				
	33%	67%													
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	-	
	83%	17%								BF	31	13	13	Spruce	1,158.7
Snags/Hectare		<12 cm	12-30cm	>30 cm						BS			Other Softwood	-	
	Softwood	100	67							WS	53	13	25	Total Softwood	1,158.7
	Hardwood		100							L			Poplar	4,401.0	
Stems / Hectare	Merchantable Softwood									TA	65	20	28	Other Hardwood	-
										BP				Total Hardwood	4,401.0
	Merchantable Hardwood									OH				Total Volume	5,559.7
	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	TA-H (50%)					WS-M (50%)	
Treatment Type	Natural Regeneration					Plant	
Target Species	Trembling Aspen					White Spruce	
Manitoba Conservation Standard	Hardwood					Mixedwood-N	



Harvest Block Summary Form Block BIR-2406 B

Block Mitigation

Harvest & Renewal Design

Mature hardwood - Harvest hardwood and incidental Spruce or Pine, 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 should be done to confirm this prior to harvest.

No plans are to protect the 700 stems per hectare of Balsam Fir understory.

No spraying within 50 metres of Bird River tributary

A total of 4.5 kilometers of winter roads is proposed for the block.

In-Block Watercourses

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

A 50 meter buffer is prescribed from the creeks edge for tributary of Peterson 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

Area valued as high value trapping habitat.



Harvest Block Summary Form

Block BIR-2406 C

Last Prescription Revision: December 23, 2008.

Block Location

Forest Section	<u>Lake Winnipeg East</u>	FMU	<u>31</u>	Twp/ Rge	<u>t17r13/14ep</u>	Ortho Tile(s) #	<u>7305590</u>
Op. Area	<u>Bird River</u>	Road Mgmt Plan	<u>-----</u>	Access Route	<u>Highway 315</u>		

AORP Plan

Year of Harvest	<u>2009/2010</u>	Contingency Block	<u>Yes</u>
Cut Season(s)	<u>Winter</u>	Contingency Criteria	<u>To provide additional volume if required.</u>
Planned Area (ha)	<u>46.64</u>		
Reason(s) for Exceeding 100 ha	<u>N/A</u>		
Contractor	<u>Unknown</u>		
Company Supervisor	<u>Not Applicable</u>		
Harvest Equipment	<u>Unknown</u>		

Block Review / Approval Dates

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

Block Strata Description

- Based on 6 Plots
- Based on Preharvest Survey Completed July 31 & August 1, 2001

Surface Soil Text	Gravel	Sand	S. Loam	Loam	C. Loam	Clay	Silt	Deep Organic	Shallow Organic	Species Composition	TA10				
		33%	17%			50%									
Topography	Flat	Undul.	Rough	Very Rough				% Bedrock for Rough & Very Rough		FEC Vtype	V5 (50), V8 (33.3), V13 (16.7)				
	33%	67%													
Soil Moisture	Arid / Dry	Moist / Very Moist	Wet / Saturated							Stand Structure	Volume (m3)				
	17%	67%	17%							Age (yr)	Ht (m)	DBH (cm)	For Harvest Available	Planned	
Soil Depth	Deep	Moderate	Shallow	Rocky						JP			Pine	-	
	83%		17%							BF			Spruce	276.7	
Snags/Hectare	Softwood		<12 cm	12-30cm	>30 cm					BS			Other Softwood	-	
	Hardwood	200	33							WS	51	14	21	Total Softwood	276.7
										L			Poplar	4,828.6	
Stems / Hectare	Merchantable Softwood									TA	42	24	25	Other Hardwood	15.5
	Merchantable Hardwood									BP				Total Hardwood	4,844.1
	Non-Merchantable									OH				Total Volume	5,120.9

- 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	Natural Regeneration						
Target Species	Trembling Aspen						
Manitoba Conservation Standard	Hardwood						



Harvest Block Summary Form

Block BIR-2406 C

Block Mitigation

Harvest & Renewal Design

Mature hardwood - Harvest hardwood and incidental Spruce or Pine, 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 4.5 kilometers of winter roads is proposed for the block.

In-Block Watercourses

In-block watercourses will be traversed during frozen conditions only.

Public / Other Resource Users Concerns -- Company Action

Area valued as high value trapping habitat.