FOREST MANAGEMENT LICENSE #3

2022-2024 OPERATING PLAN

Volume II: Integrated Operations by Operating Area Booklet 2 of 2 PRV to WNL



LP CANADA LTD.

SWAN VALLEY FOREST RESOURCES DIV



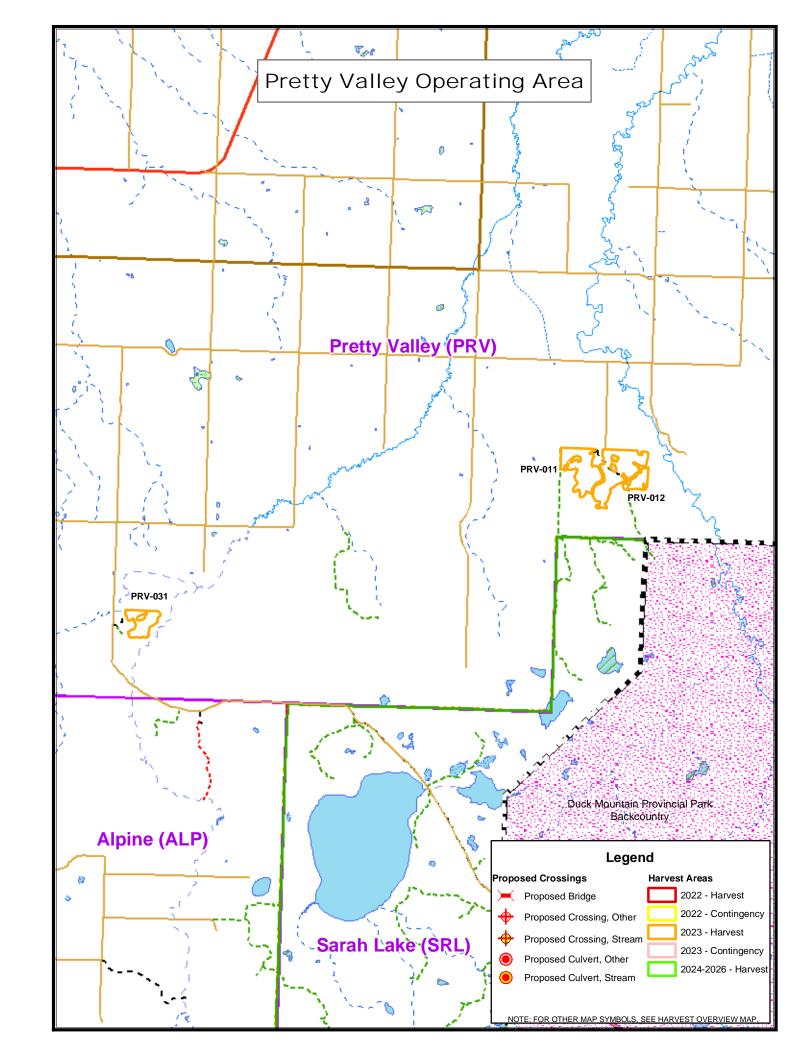
Integrated Operations by Operating Area

Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

FMU 11 Pretty Valley

PRV-011	39.63 Hectare	S	2023 Harvest
HW Allocation	5,143 m3	LP	
SW Allocation	1,929 m3	SPL	
PRV-012	60.22 Hectare	s	2023 Harvest
HW Allocation	7,850 m3	LP	
SW Allocation	170 m3	SPL	
PRV-031	20.43 Hectare	s	2023 Harvest
HW Allocation	3,516 m3	LP	
SW Allocation	0 m3	SPL	



Roads Pretty Valley

PRV-3A (existing) Road Development:				Addition Comme		d Develo	pment			
Road D	<u>evelopn</u>	<u>nent:</u>				This roa	d acces	ses block	RV-0	031. It is an existing trail which is used by the
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	fespan f Road (yrs)	landown	er to acc	cess his	private	land.
0.3	20	8	Dry/Frozen		50					
Road De	activati	on:	:	<u>π</u> Ω				<u> </u>		
Road Clo				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rei							Y	This is an existing road which will remain open.
	PRV-6	A (existin	g)			Addition Comme		d Develo	pment	
Road D	evelopn	<u>nent:</u>						ses block	RV-0	012.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	fespan f Road (yrs)					
0.8	20	8	Dry/Frozen		1					
Road De	activati	on:	;	Ωū	П (0			S	_	
Road Clo				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rei	<u> </u>		V					This road was last used in 1996. The road will be closed with slash and debris at selected locations in block PRV-012. Selected locations include landings and other areas where debris accumulates.
	PRV-6A	-1A (existi	ng)			Addition Comme		d Develo	pment	
Road D	evelopn	<u>nent:</u>						ses block	RV-0	011.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	fespan f Road (yrs)					
0.2	20	8	Dry/Frozen		1					
Road De	activati	on:	;	ω Ω	п "			<u>s</u>		
Road Clo				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rei	<u> </u>		V					The road will be closed with slash and debris at selected locations in block PRV-012. Selected locations include landings and other areas where debris accumulates

PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Fax: 204-734-3646 Cut Block Name: PRV-011 Twp & Rge: t34r27w Cut Block Size: 39.6 ha **OPERATING AREA: Pretty Valley** Ownership: Open Crown Mapsheet: 340575 LICENCE: FML 3 Management Unit: 11 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Understory Stems/ha and Distribution 19.8 28 57% 108 4,278 TA 72 ws BS BF ВА 28 16.3 21 833 11% 44 **WB** 17.8 24 4% 8 302 Clumped Total HW 73% 137 5,413 **Eco Land Classification Soils Summary** 2,030 WS 104 20.9 28 51 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type Moisture Surface Texture 0 .IP 0% 0 n 08 13 V Type 05 Clay Loam S10 05 BF 0% 0 0 **Eco Site** 32 Total SW 27% 2,030 51 **Block Total:** 188 7,443 Cover Type: N IBWC Cnt: 3 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 5,143 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 1,929 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE SALVAGE PATCH RETENTION WHOLE TREE TOP AT STUMP **DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS MFZ Stream Located on the E side. Structure will be maintained. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 317 to 476 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block is on NW6-34-27 which is coded A1. Small area of blowdown near plot 10. Merchantable trees will be salvaged if possible. Maintain 300m LOS for elk. 300 meter LOS for Elk. Maintain a max of 8 WDP's approximately 30-70 m from block edge and where possible adjacent to swd stands outside of block. Maintain structure along IBWC's located near plots 2 and 3. Keep existing trails free of debris after harvest. Keep debris and equipment off private land located on the N and W sides of block. Notify bear bait owner of harvest.

Pretty Valley

Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

			REI	NEWAL PRE	SCRIPT	TION INFO	ORMATIO	N				
RENE\	WAL STRATEGY	BY SPECIES		SITE	PRFPAR	ATIONS		SNC	OW CAC	оне:		
Species		ced Assisted		PREF. ALT		ATIONO				COVERTYPE: N		
TA]			DRAG							
BA	X	 		HH	MOUN	n		REI	NEWAI	L ACCESS		
WB	X	I ⊢		HHH	TRENC				х	ATV		
ws	H k	x		HH		R RIPPER			Ĥ	HELICOPTER		
BS	H Ĥ	$H \mapsto$		H H	AREA I				x	TRUCK		
JP	H	1 H		ں ت						TROOK		
BF	H	1 H										
		J []							_			
	Siteprep	Summary			P	lanting Sun	mary			Survey Sun	mary	
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total		Туре	Series	Year
				2024	Sp	WS	1600	15840		Plantation Survival	First	2025
DE11514/4										Regeneration	First	2034
KENEWAI	L COMMENTS/IS	SUES:										
Planting	g top NW section of	the block										
			PRE	SCRIPTION	REVIE	W AND M	ITIGATIO	N				
	INT	ERNAL REVIEW	I			EX	TERNAL R	EVIEW				
	[↓]	PLANNING					l 011544 -		4645	0/40		
	X					X		ED TO IRMT				
	X	WILDLIFE				X	ALL IRM	CONCERNS	MITIGA	ATED		
	x	SILVICULTURE										
IRMT Conce	rns and Comments:				Mitigati	on Strategy:						Mitigated
Vigual b	uffer with residual st	tand structure on N	V and W edges		Curre	ntly lots of v	oung noplar	along the wee	st will be	e some left along the		
v isuai bi	unor with residual Si	tana structure on r	Tana W Guyes.				ment line bu		or, will De	c some left along the		x
Remove	bear bait owners na	ame and phone nu	umber from		Agree							х
prescript	tion.				1							l
Stream	on E side not W?				Corre	ct. Changed	prescription	۱.				x x x
IRMT re	quested 300 meter	LOS.			Agree	ed						x
300 n LC	OS for elk.				Agree	d.						x
Need W					Agree							
					, tg, 50							
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					1							
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Pretty Valley - PRV-011

PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Fax: 204-734-3646 **Cut Block Name: PRV-012** Twp & Rge: t34r27w Cut Block Size: 60.2 ha **OPERATING AREA: Pretty Valley** Ownership: Open Crown Mapsheet: 340575 LICENCE: FML 3 Management Unit: 11 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution 19.8 25 73% 102 6,136 TA ws BS BF ВА 120 32 18% 25 22 2 1 502 **WB** 17.9 26 7% 10 626 Total HW 98% 137 8,264 **Eco Land Classification Soils Summary** WS 134 25.0 66 179 2% 1st 2nd 3rd BS 0% 0 LFH(cm) Moisture S-Type Surface Texture 0 JP 0% 0 0 08 V Type 05 05 **S3** BF 0% 0 **Eco Site** 22 32 04 S5 2 Silt Loam Total SW 2% 3 179 **Block Total:** 8,443 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 7,850 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 170 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS MFZ Stream Located on the W side. Structure will be maintained. Harvest as shown on map. MFZ Stream Located on S side. Structure will be maintained. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 482 to 723 trees. **SEVERE EROSION RISK POTENTIAL:** x **HARVEST COMMENTS/ISSUES:** This block is on Sec 6-34-27 which is coded A1. 300 meter LOS for Elk. Maintain existing trails free of debris after harvest. Keep debris and equipment off private land located on the N side of the block. Notify bear bait owner of harvest.

Pretty Valley

FML 3 2023 - Harvest

				RE	NEW/	AL PRI	ESCRIPT	TON INF	ORMATIO	N				
	RENEWAL STRATEGY BY SPECIES Species Natural Advanced Assisted PREF. ALT.							NOW C	ACHE: AL COVERTYPE: H					
TA BA WB WS BS JP BF	x x						DRAG MOUN TRENC	CH R RIPPER		F	RENEW	AL ACCESS ATV HELICOPTER TRUCK		
	ш										- r			
<u></u>		iteprep Sum			_			lanting Sur	1		┨╏	Survey Sur		V
Year	 ^	ction	Area (ha)	Alternate	_	Year	Season	Species	Density	Total	┨╏	Type Reforestation	Series First	Year 2028
RENEWAL		INTERN X PL X WI	NAL REVIEW ANNING ILDLIFE LVICULTURE	, <u> </u>	ESCR	IPTION	N REVIE							
IRMT Concert	ns and Com						Mitigati	on Strategy:						Mitigated
1	uested 300) meter LOS on W side.	S.				Agree Agree							x

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Fax: 204-734-3646 Cut Block Name: PRV-031 Twp & Rge: t33r28w Cut Block Size: 20.4 ha **OPERATING AREA: Pretty Valley** Ownership: Open Crown Mapsheet: 330574 LICENCE: FML 3 Management Unit: 11 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Age (yr) Avg Ht (m) Vol % Vol (m3) Understory Stems/ha and Distribution 25 80% 146 2,978 TA 15.9 ws BS BF 24 20% 35 BA 15.4 723 **WB** 0% 0 0 Total HW 100% 181 3,701 **Eco Land Classification Soils Summary** WS 0 1st 2nd 3rd BS 0% LFH(cm) 0 S-Type Moisture Surface Texture 0 .IP 0% n n V Type 05 05 Loam **S5** BF 0% 0 0 **Eco Site** 32 Total SW 0% 0 0 **Block Total:** 181 3,701 Cover Type: H IBWC Cnt: 2 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 3,516 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **UNDERSTOREY PROTECTION FROZEN SELECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ Located on SW side. Expanding beaver flood. Harvest as shown on map Flood 30-100 Stream Ruby Creek located on E side. Variable buffer 30 to 100+ m. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 163 to 245 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Block was edited in 2019 to add additional area on the south side up to the 2012 harvest block, PRV-030. Approximately 9 hectares was added to the block. This addition captures the remaining merchantable wood south of the original block. This block is on the NW and NE29-33-28W which is coded A/C. Beaked hazel is present throughout the block. This block has relatively flat topography. Maintain shrub and treed structure around small open wet areas located along N edge and SW corner of the block. Keep debris off trail on W side. Trail used by landowner to access private land. Keep equipment and trees off private land on N side. Bear bait on NE side. If posted check with owner about harvest.

Pretty Valley

FML 3 2023 - Harvest

			RE	NEWAL PRE	SCRIPT	ION INFO	ORMATIO	N				
RENEW	RENEWAL STRATEGY BY SPECIES SITE PREPARATIONS								IOW CA	ACHE:		
Species		nced Assisted		PREF. ALT						L COVERTYPE: H		
TA BA	x			BB	DRAG MOUNE)		RE	NEW	AL ACCESS		
WB					TRENC					ATV		
WS BS	H	+		HH	AREA F	R RIPPER PLANT			Н	HELICOPTER TRUCK		
JP	H	┪		шш	7.0.12711				Ш	moon		
BF												
		Summary				anting Sun]	Survey Sur	_	
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	 	Type Reforestation	Series First	Year 2028
									J L	Reforestation	FIISL	2020
RENEWAL	COMMENTS/IS	SSUES:										
			PR	ESCRIPTION	REVIEV	V AND M	ITIGATIO	N				
	IN ⁻	TERNAL REVIE	w			EX	TERNAL R	EVIEW				
	x	PLANNING				х	1 ѕивмітт	TED TO IRM	「on 10 /	/24/11		
	х					х	4	T CONCERN				
	_	SILVICULTURI	E			_	•					
IRMT Concer	ns and Comments:				Mitigatio	on Strategy:						Mitigate
Traditiona	al camping area.									ea. Main road is used b Il remain open.	y	х
					landov	viiei to acc	ess private i	and so main i	oau wii	птетпант орен.		
				D#-	/\/allev - PP\/	. 004						_



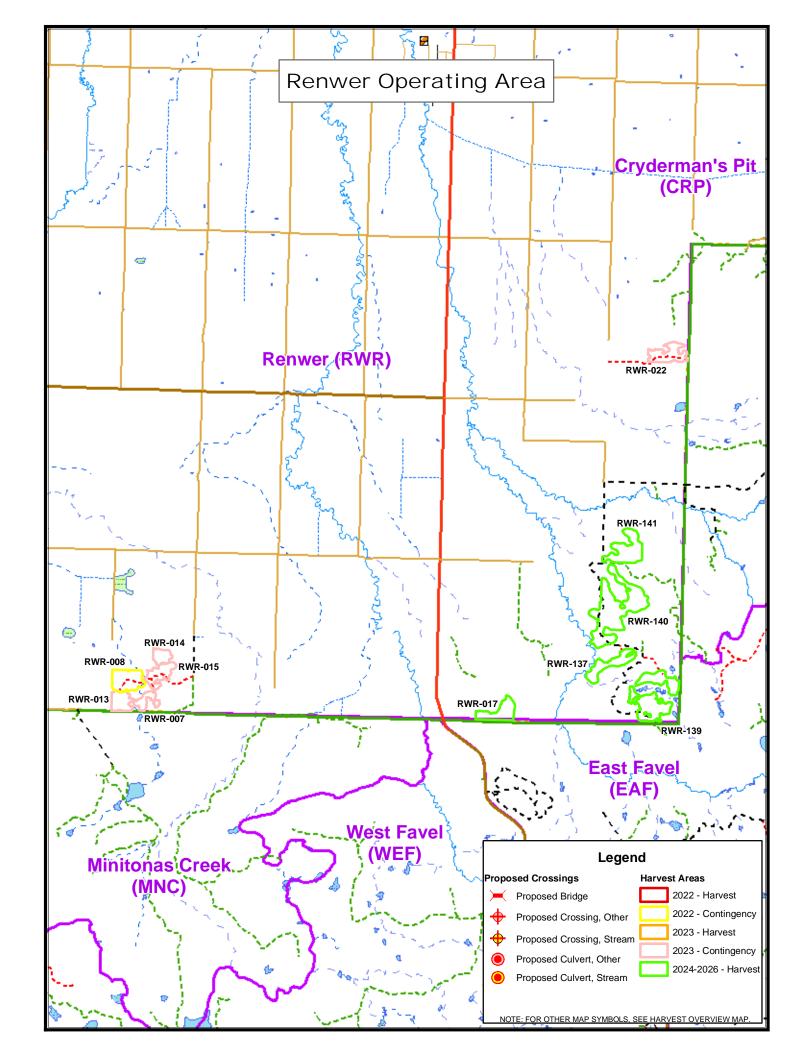
Integrated Operations by Operating Area

Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

FMU 11	Renwer

RWR-007	9.84 Hectares		2023 Contingency
HW Allocation	1,476 m3	LP	
SW Allocation	0 m3	SPL	
RWR-008	26.66 Hectares	S	2022 Contingency
HW Allocation	5,384 m3	Quota Holder/LP	
SW Allocation	0 m3	SPL	
RWR-013	14.72 Hectares	S	2023 Contingency
HW Allocation	2,199 m3	LP	
SW Allocation	0 m3	SPL	
RWR-014	9.02 Hectares		2023 Contingency
HW Allocation	9.02 Hectares 1,752 m3	LP	2023 Contingency
		LP SPL	2023 Contingency
HW Allocation	1,752 m3	SPL	2023 Contingency 2023 Contingency
HW Allocation SW Allocation	1,752 m3 0 m3	SPL	
HW Allocation SW Allocation RWR-015	1,752 m3 0 m3 16.87 Hectares	SPL s	
HW Allocation SW Allocation RWR-015 HW Allocation	1,752 m3 0 m3 16.87 Hectares 2,531 m3	SPL s LP SPL	
HW Allocation SW Allocation RWR-015 HW Allocation SW Allocation	1,752 m3 0 m3 16.87 Hectares 2,531 m3 0 m3	SPL s LP SPL	2023 Contingency



Roads Renwer

				7					
	R	NR-13A			Additio Commo		d Develo	pment	
Road D	evelopn	nent:					on privat	e land a	and accesses blocks RWR-022 and CRP-073.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespa of Roa (yrs)					
1.7	20	8	Dry/Frozen	1					
Road De	eactivati	<u>on:</u>	2	o C □	м – п		S	_	
Road Clo			CYa	Debris Crossing	Earth Berm Slash	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer							This road will be closed with slash and debris in block RWR-022.
	RWR-7	'A (existin	g)		Additio Commo		d Develo	pment	
Road D	evelopn	nent:		_			t of the a	ccess to	b blocks RWR-007, 008, 013, 014 and 015.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespa of Roa (yrs)					
0.8	15	6	Frozen	50					
Road De	eactivati	<u>on:</u>	2	5 C -	() — III	_	Si	_	
Road Clo			CYG	Debris Crossing	Earth Berm Slash	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer						Y	This is an existing road which will remain open.
R	RWR-7A	-1A, 1B an	d 1C				d Develo	pment	
Road D	evelopn	nent:		_	Commo These r		cess bloc	ks RWI	R-008, 013 and 015 and are part of the access to
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespa of Roa (yrs)	blocks I the prov	RWR-00		4. This	new access avoids using the Snowman trail along
1.8	15	6	Frozen	10					
Road De	eactivati	on:	ā	ος ₋ -	с	_	Sit	_	
Road Clos Responsi			Q Q	Debris Crossing	Earth Berm Slash	Gate	Site Prep	None	Additional Road Closure Comments
Quota Hol	lder/LP	Post-Ha Post-Rer	<u> </u>	•					A berm will be placed at the start of the road. Slash and debris will be spread at selected locations in blocks RWR-008 and 015.

	RWR-7A-1B-1A Road Development:					Comme		d Develo	pment	
Road D	evelopr	<u>nent:</u>				This roa	d access	ses blocl	k RWR	-007.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use		fespan f Road (yrs)					
0.3	20	8	Dry/Frozer	1	1					
Road Clo Responsi	sure	ion:		Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rei			Y					This road will be closed with slash and debris at selected locations in block RWR-015.

PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: RWR-007 Twp & Rge: t35r26w Cut Block Size: 9.8 ha **OPERATING AREA: Renwer** Ownership: Open Crown Mapsheet: 350575 LICENCE: FML 3 Management Unit: 11 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution TA 0% 0 0 ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 1,476 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 0 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ Located on the W, S and E sides. Structure will be maintained. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 79 to 118 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area.

Renwer

FML 3 2023 - Contingency

	RE	NEWAL PRE	ESCRIPT	TION INFO	ORMATIC	N				
RENEWAL STRATEGY BY	/ SPECIES	SN	NOW CA	ACHE:						
	Assisted	PREF. AL	т.			RE	ENEWA	L COVERTYPE: H		
та 🔲			DRAG							
ва			MOUNI	D		RI	ENEWA	AL ACCESS		
WB			TRENC	CH				ATV		
ws		$H \vdash$	-	R RIPPER			Ш	HELICOPTER		
BS	\square		AREA I	PLANT			Ш	TRUCK		
JP BF	H									
вг 🔲 📙										
Siteprep Sur	mmary		PI	lanting Sun	nmary] [Survey Sur	mmary	
Year Action	Area (ha) Alternate	Year	Season	Species	Density	Total	J ⊢	Туре	Series	Year
							JL	Reforestation	First	2028
RENEWAL COMMENTS/ISSU	FS:									
TENEVAL GOMMENTO/1000										
	PR	ESCRIPTION	N REVIEV	W AND M	IITIGATIO	N				
INTED		LOCKII HOI	VIKEVIE							
	NAL REVIEW				TERNAL R	KEVIEW				
—	PLANNING				-	TED TO IRM				
	VILDLIFE				ALL IRM	T CONCERN	IS MITIC	GATED		
	SILVICULTURE									
IRMT Concerns and Comments:			Mitigati	on Strategy:						Mitigate
										-

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Fax: 204-734-3646 **Cut Block Name: RWR-008** Twp & Rge: t35r26w Cut Block Size: 26.7 ha **OPERATING AREA: Renwer** Ownership: Open Crown Mapsheet: 350576 LICENCE: FML 3 Management Unit: 11 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution 37 4% 9 230 TA 21.3 ws BS BF 25 57% 120 3.212 BA 20.2 **WB** 18.1 21 39% 83 2,225 Total HW 100% 213 5,667 **Eco Land Classification Soils Summary** WS 0 1st 2nd 3rd BS 0% LFH(cm) Moisture 0 S-Type **Surface Texture** 0 .IP 0% n n 04 05 V Type 01 07 Clay Loam **S5** BF 0% 0 0 **Eco Site** 32 05 S5 2 Sandy Clay Loam Total SW 0% 0 0 **Block Total:** 213 5,667 Cover Type: H IBWC Cnt: 5 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Quota Holder/LP HARDWOOD VOLUME (m3): 5,384 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION FROZEN** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS Wetland MFZ Located on the SE side. Structure will be maintained. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 213 to 320 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block is on quarter section SW4-35-26 which is coded A/B/C/D. Mountain maple is present throughout the block. Beaked hazel and blue-joint grass are present in small amounts. This block has moderately undulating topography. 300 meter LOS for Elk Maintain structure on IBWC's located on the E side and one which runs from the SE side through the block and exits at the NW side by plot 12. With the high volume of birch in this block it may be a potential site for Intermountain Logging to obtain some of thier quota with a temporary quota Ensure west and north boundaries do not encroach on private land to the west and north.

Renwe

FML 3 2022 - Contingency

				RE	ΝE	WAL PR	ESCRIP ⁻	TION INF	ORMATIO	N				
RENEW	IEWAL STRATEGY BY SPECIES SITE PREPARATIONS									SN	ow c	ACHE:		
Species	Natural /	Advanced	Assisted			PREF. AI	LT.			RE	NEWA	L COVERTYPE: H		
TA BA	x		\Box			HE	DRAG MOUN	D		RE	NEW	AL ACCESS		
WB	x	Н	\vdash			$H \vdash$	TRENO	CH ER RIPPER			Н	ATV		
WS BS	Н	Н	Н			$H \vdash$	-	PLANT			Н	HELICOPTER TRUCK		
JP		Н	H			ш -	_				ш			
BF														
	Site	prep Sum	marv					lanting Sun	nmary		1 Г	Survey Su	mmary	
Year	Act		Area (ha)	Alternate		Year	Season	Species	Density	Total	1	Туре	Series	Year
			, ,								1	Reforestation	First	2027
RENEWAL	COMMENT	rs/Issue	:S:											
				PR	ESC	CRIPTIO	N REVIE	W AND N	ITIGATIO	N				
		INTERN	IAL REVIEW	I				EX	TERNAL R	EVIEW				
		X PL	ANNING					х	SUBMITT	ED TO IRM	on 10 /	/12/12		
		 	LDLIFE					х	ALL IRM	CONCERN	S MITIC	GATED		
		_	VICULTURE											
IRMI Concer	ns and Commo	ents:					Mitigat	ion Strategy:						Mitigate
area.	ck due to age juested 300 n			. Defer to blow	dow	n		Not likely o				nd this aspen had a 37 to contingency.	cm	x x
							enwer - PM/P							

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: RWR-013 Twp & Rge: t35r26w Cut Block Size: 14.7 ha **OPERATING AREA: Renwer** Ownership: Open Crown Mapsheet: 350575 LICENCE: FML 3 Management Unit: 11 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution TA 0% 0 0 ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 2,199 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 0 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ Located on the W side. Structure will be maintained. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 118 to 177 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area. Private land on W side. Ensure boundary is flagged prior to harvest.

FML 3 2023 - Contingency

	RE	NEWAL PRE	ESCRIPT	TION INFO	ORMATIC	N				
RENEWAL STRATEGY BY	/ SPECIES	SN	NOW CA	ACHE:						
	Assisted	PREF. AL	т.			RE	ENEWA	L COVERTYPE: H		
та 🔲			DRAG							
ва			MOUNI	D		RI	ENEWA	AL ACCESS		
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ws		$H \vdash$	-	R RIPPER			Ш	HELICOPTER		
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Siteprep Sur	mmary		PI	lanting Sun	nmary] [Survey Sur	mmary	
Year Action	Area (ha) Alternate	Year	Season	Species	Density	Total	J ⊢	Туре	Series	Year
							JL	Reforestation	First	2028
RENEWAL COMMENTS/ISSU	FS:									
TENEVAL GOMMENTO/1000										
	PR	ESCRIPTION	N REVIEV	W AND M	IITIGATIO	N				
INTED		LOCKII HOI	VIKEVIE							
	NAL REVIEW				TERNAL R	KEVIEW				
—	PLANNING				-	TED TO IRM				
	VILDLIFE				ALL IRM	T CONCERN	IS MITIC	GATED		
	SILVICULTURE									
IRMT Concerns and Comments:			Mitigati	on Strategy:						Mitigate
										-

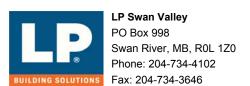
Renwer - RWR-013

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut	Cut Block Name: RWR-014						Twp & Rge: t35r26w					Cut Block Size: 9.0 ha															
_		TING A		: Renw	er								ship: Ope			vn						•		350576			
LIC	CENC	CE: FML	3								Mana	age	ement Un	it:	11						Laı	nd Sta	itus	S :			
									PRE-H	IAR۱	/EST	S	URVEY	NF	OR	MA	TION										
Speci	es	Avg Age ()	r)	Avg Ht (m	ı) Avg	DBH (d	cm)	Vol %	m3/ha	Vo	ol (m3)						Une	derst	ory	Ste	ms/ha	and D	stri	bution			
TA BA								0% 0%	0		0				ws						BS					BF	
WB								0%	0		0																
Total								0%	0		0	ĺ	Eco	La	nd C	lass	ificati	on		Г			S	oils Sumi	mar	v	
WS BS								0% 0%	0		0				1s	st	2nd	3r	d	ш	FH(cm)	S-Ty	_	Moisture	_	urface Textur	
JP								0%	0		0		V Type									 			t		
BF Total	SW							0% 0%	0		0		Eco Site	•						_		-					
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	ŀ	HARDWO	OD	ALLOCAT	ΓΙΟΝ: L	P													HAF	RDV	VOOD	VOLU	ME	(m3): 1,7	52		
	5	SOFTWO	DD	ALLOCAT	ION: SI	PL													SOF	=TV	VOOD '	VOLUI	ME ((m3): <mark>0</mark>			
ı	HAR'	VEST SE	AS	ON					HA	RVE	ST/SI	L۷	/ICULTUF	E:	SYS	TEM	I						SI	LASH A	3A1	EMENT	
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	_	ROZEN					\mathbf{H}		CTION		x		JNDERSTO			ROTI	ECTIC	N				\vdash		E & BURN			
	<u> </u>	RY/FRO	ZEN				П	SEED	TREE		_				IDAN								NLF	DEBRIS	PIL	E	
								SALV	AGE				X P.	AT (CH RI	ETE	NTIO	N				,	NHO	OLE TRE	E TO	OP AT STUM	>
BUFF	ER I	NFORMA	ATIC	N									D	ESI	IGNA	TED	SKID	TRA	AILS								
	EATU			WIDTH (m) DETA	AILS																	N	OTE: IBW	/C =	In Block Water	Course
0			Т																								
WILDL	IFE	TREE RE	TE	NTION: A	As per S	Standar	rd Ope	rating	Guidline	s leav	ve app	rox	ximately 72	to	108 t	trees											
SEVEF	RE EI	ROSION	RIS	K POTE	NTIAL	:	Ш																				
HARVI	EST	COMME	NTS	/ISSUES	j:																						
This	block	has not b	een	surveyed	. The vo	olume i	informa	ation is	s based	on su	rveyed	ld b	locks in the	ar	ea.												
Priva	te lan	d on W si	de.	Ensure bo	oundary	is flag	ged pr	ior to I	narvest.																		
													is not been will be piled														
llaggi	eu pii	or to riary	CSI.	All toppill	y and in	mbing	WIII DE	uone	at the la	riuiriy	. Debi	15 1	will be plied	aı	iu bui	iiit, C	nippe	u oi i	spie	au (JII tile i	oaus (anu	ianungs.			



FML 3 2023 - Contingency

				RE	NE	WAL PR	ESCRIP1	TION INF	ORMATIC	N				
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Species TA	Natural	Advanced	Assisted			PREF. A	LT. DRAG			RE	NEWAI	COVERTYPE: H		
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WB			П			\Box	TRENC					ATV		
WS BS	Н		Н			$H \vdash$	AREA	R RIPPER PLANT			H	HELICOPTER TRUCK		
JP	П						_				ш			
BF	Ш		Ш											
		teprep Sum						lanting Sun] [Survey Su		
Year	A	ction	Area (ha)	Alternate		Year	Season	Species	Density	Total	┨┞	Type Reforestation	Series First	Year 2028
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RENEWAL	COMME	NTS/ISSUE	ES:											
				PR	ESC	CRIPTIO	N REVIE	W AND M	IITIGATIO	N				
		INTERN	NAL REVIEW						TERNAL F					
		X PL	ANNING					Г	SUBMIT	TED TO IRM	Гоп			
			ILDLIFE						ALL IRM	T CONCERN	S MITIG	SATED		
IDMT Canasa			LVICULTURE	į			B#141 41	· 044						Mitimatad
IRMT Concer	ns and Com	ments:					Witigati	ion Strategy:						Mitigated
														$ \sqcup$

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: RWR-015 Twp & Rge: t35r26w Cut Block Size: 16.9 ha **OPERATING AREA: Renwer** Ownership: Open Crown Mapsheet: 350576 LICENCE: FML 3 Management Unit: 11 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution TA 0% 0 0 ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 01 V Type 05 BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 1 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 2,531 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 0 HARVEST/SILVICULTURE SYSTEM HARVEST SEASON **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ Located on the S side. Structure will be maintained. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 135 to 202 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area. Private land on the NW corner. Ensure boundary is flagged prior to harvest.

Renwer

FML 3 2023 - Contingency

	RE	NEWAL PRE	ESCRIPT	TION INFO	ORMATIC	N				
RENEWAL STRATEGY BY	/ SPECIES	SN	NOW CA	ACHE:						
	Assisted	PREF. AL	т.			RE	ENEWA	L COVERTYPE: H		
та 🔲			DRAG							
ва			MOUNI	D		RI	ENEWA	AL ACCESS		
WB			TRENC	CH				ATV		
ws		$H \vdash$	-	R RIPPER			Ш	HELICOPTER		
BS	\square		AREA I	PLANT			Ш	TRUCK		
JP BF	H									
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Siteprep Sur	mmary		PI	lanting Sun	nmary] [Survey Sur	mmary	
Year Action	Area (ha) Alternate	Year	Season	Species	Density	Total	J ⊢	Туре	Series	Year
							JL	Reforestation	First	2028
RENEWAL COMMENTS/ISSU	FS:									
TENEVAL GOMMENTO/1000										
	PR	ESCRIPTION	N REVIEV	W AND M	IITIGATIO	N				
INTED		LOCKII HOI	VIKEVIE							
	NAL REVIEW				TERNAL R	KEVIEW				
—	PLANNING				-	TED TO IRM				
	VILDLIFE				ALL IRM	T CONCERN	IS MITIC	GATED		
	SILVICULTURE									
IRMT Concerns and Comments:			Mitigati	on Strategy:						Mitigate
										-

Renwer - RWR-015

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Size: 21.1 ha Cut Block Name: RWR-022 Twp & Rge: t35r25w **OPERATING AREA: Renwer** Ownership: Open Crown Mapsheet: 360576 LICENCE: FML 3 Management Unit: 11 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution TA 0% 0 0 ws BS ВF ВА 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 3,165 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course WIDTH (m) DETAILS **FEATURE** WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 169 to 253 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Private land on the W and S sides. Ensure boundaries are GPS'ed. This block is on NE28-35-25 which is coded A1. This block is in the area affected by the blow down event from 2012. This block has not been surveyed. The volume information is based on surveyed blocks in the area.

FML 3 2023 - Contingency

				RE	NEWA	AL PF	RESCRIP'	TION INF	ORMATIO	N				
	RENEWAL PRESCRIPTION INFORMATION NEWAL STRATEGY BY SPECIES ies Natural Advanced Assisted PREF. ALT.										NOW CA			
Species TA BA WB WS BS JP BF	Natural	Siteprep Summary			DRAG MOUND TRENCH WINTER RIPPER AREA PLANT Planting Summary							AL ACCESS ATV HELICOPTER TRUCK		
	Ш				_									
					_					1	┨┝	Survey Su		
Year	A	ction	Area (ha)	Alternate		Year	Season	Species	Density	Total	┨	Type Reforestation	Series First	Year 2028
RENEWAL	COMME	NTS/ISSUE	_ ' ≣S:	1			1	1	1	ı			I	
		INTERN	NAL DEVIE		ESCR	IPTIC	N KEVIE		ITIGATIO					
		X PL	NAL REVIE' LANNING ILDLIFE LVICULTUR					E	4	TED TO IRM		GATED		
IRMT Concer	rns and Com	ments:					Mitigat	ion Strategy:						Mitigate

Renwer - RWR-022



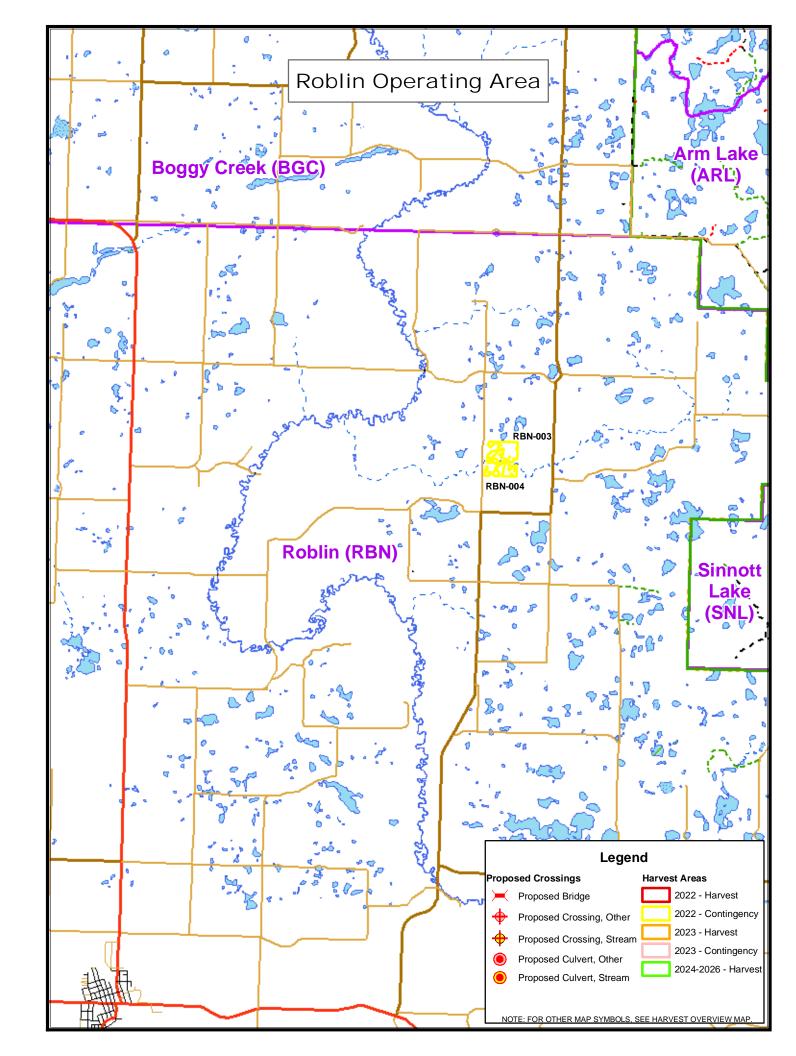
Integrated Operations by Operating Area

Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

FMU 10 Roblin

RBN-003	21.45 Hectare	s	2022 Contingency
HW Allocation	3,731 m3	LP	
SW Allocation	0 m3	SPL	
RBN-004	11.54 Hectare	s	2022 Contingency
HW Allocation	1,620 m3	LP	
SW Allocation	0 m3	SPL	



PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Fax: 204-734-3646 **Cut Block Name: RBN-003** Twp & Rge: t27r27w Cut Block Size: 21.5 ha **OPERATING AREA: Roblin** Ownership: Open Crown Mapsheet: 340569 LICENCE: FML 3 Management Unit: 10 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Age (yr) Avg Ht (m) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 22 88% 161 3,452 TA 17.1 ws BS BF 42 24 BA 19.5 12% 22 476 **WB** 0% 0 0 Total HW 100% 183 3,928 **Eco Land Classification Soils Summary** WS 0 1st 2nd 3rd BS 0% LFH(cm) Moisture 0 0 S-Type **Surface Texture** JP 0% 0 0 V Type 05 08 Clay Loam **S5** BF 0% 0 0 **Eco Site** 32 22 06 S4 2 Silt Total SW 0% 0 0 **Block Total:** 183 3,928 Cover Type: H IBWC Cnt: 3 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 3,731 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 0 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION FROZEN** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ Flood Floods/stream located along S and W sides. Structure will be maintained. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 172 to 257 trees. **SEVERE EROSION RISK POTENTIAL:** x **HARVEST COMMENTS/ISSUES:** Beaked hazel, alder and blue-joint grass are present in the block This block has moderately undulating topography. This block is on the NW29-27-27W which is coded C4. This block has had extensive flooding. There are approximately 3 more hectares flooded which showed up from the survey but do not show on the map. These are not removed from the block since their exact location will be determined in the field. Portions of this block may not be harvested due to flooding.

Roblin

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

RENEWAL STRATEGY BY SPECIES Species Natural Advanced Assisted PREF. ALT. BA		RE	NEWAL PRE	SCRIPTION INFO	ORMATIO	N		
Species Natural Advanced Assisted PREF ALT. RENEWAL COVERTYPE: H TA X	RENEWAL STRATEGY BY S	SPECIES	SITE	PREPARATIONS		SNO	W CACHE:	
RENEWAL ACCESS WB WS SIteprep Summary Year Action Area (ha) Alternate PRESCRIPTION REVIEW AND MITIGATION INTERNAL REVIEW Planning Prescription Pre							<u> </u>	
Siteprep Summary Year Action Area (ha) Alternate PRESCRIPTION REVIEW AND MITIGATION INTERNAL REVIEW PLANNING X WILDLIFE X SILVICULTURE Right X WILDLIFE X X X X X X X X X	BA X	F		MOUND		REN	_	
Vear Season Species Density Total	BS JP						HELICOPTER	
PRESCRIPTION REVIEW AND MITIGATION INTERNAL REVIEW X PLANNING X WILDLIFE X SILVICULTURE IRMT Concerns and Comments: Mitigation Strategy: Mitigation S	Siteprep Sumr	nary		Planting Sun	nmary		Survey Sur	mary
PRESCRIPTION REVIEW AND MITIGATION INTERNAL REVIEW X PLANNING X WILDLIFE X SILVICULTURE IRMIT Concerns and Comments: Mitigation Strategy: Mitigation	Year Action	Area (ha) Alternate	Year	Season Species	Density	Total		
PRESCRIPTION REVIEW AND MITIGATION INTERNAL REVIEW X PLANNING X WILDLIFE X SILVICULTURE Mitigation Strategy: Concern for reduced mature cover for elk wintering. Regen not suitable. Concern for reduced mature cover for elk wintering. Regen not suitable. Concern for reduced mature cover for elk wintering. Regen not suitable. Need a joint inspection to determine level of use, habitat potential for diversity, current and long term timber and wildlife values. Block is falling out due to age and beaver activity. Will proceed with harvest. Near vested. Will show as contingency. Not approved for harvest until field visit scheduled Will show as contingency. Not approved for harvest until field visit scheduled							Reforestation	First 2028
INTERNAL REVIEW X			SCRIPTION	DEVIEW AND M				
X PLANNING X WILDLIFE SILVICULTURE	INTERN							
RMT Concerns and Comments: Mitigation Strategy: Mitigation Strategy: Mitigation Strategy: Need a joint inspection to determine level of use, habitat potential for diversity, current and long term timber and wildlife values. Very little cover remaining. Private land cleared. Prefer not to be harvested. No harvest to occur. Long term leave area for elk. Will show as contingency. Not approved for harvest until field visit scheduled	X PLA X WIL	Anning LDLIFE		x	SUBMITT	ED TO IRMT o		
Suitable. Very little cover remaining. Private land cleared. Prefer not to be harvested. No harvest to occur. Long term leave area for elk. diversity, current and long term timber and wildlife values. Block is falling out due to age and beaver activity. Will proceed with harvest. Will show as contingency. Not approved for harvest until field visit scheduled	IRMT Concerns and Comments:			Mitigation Strategy:				Mitigat
	suitable. Very little cover remaining. Private harvested.	e land cleared. Prefer not to		Need a joint insp diversity, current Block is falling ou Will show as cont	ection to deto and long ten t due to age ingency. No	m timber and wi and beaver act	ildlife values. iivity. Will proceed with harve	est.

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Cut Block Name: RBN-004 Twp & Rge: t27r27w Cut Block Size: 11.5 ha **OPERATING AREA: Roblin** Ownership: Open Crown Mapsheet: 340569 LICENCE: FML 3 Management Unit: 10 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Age (yr) Avg Ht (m) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 17.4 24 97% 143 1,655 TA ws BS ВF 30 BA 49 19.3 50 3% **WB** 0% 0 0 Total HW 100% 148 1,705 **Eco Land Classification Soils Summary** WS 0 1st 2nd 3rd BS 0% LFH(cm) S-Type 0 Moisture Surface Texture 0 JP 0% 0 0 V Type 05 BF 0% 0 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 148 1,705 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 1,620 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 0 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION FROZEN** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Flood MFZ Flood/stream located along N side. Structure will be maintained. Harvest as shown on map. 50 Roads Located on W side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 92 to 138 trees. **SEVERE EROSION RISK POTENTIAL:** x **HARVEST COMMENTS/ISSUES:** Beaked hazel, rose and raspberry are present in the block. This block has moderately undulating topography. This block is on the NW29-27-27W which is coded C4. This block has had extensive flooding. Portions of this block may not be harvested due to flooding.

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 DING SOLUTIONS Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

	RENEV	VAL PRI	ESCRIPT	ION INFO	DRMATIC	N				
RENEWAL STRATEGY BY SPECIES		SITE	PREPAR	ATIONS		SNO	ow c	ACHE:		
Species Natural Advanced Assisted	F	PREF. AL	т.			REI	NEWA	L COVERTYPE: H		
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wв 🔲 🔲			TRENC					ATV		
ws		\vdash	4	R RIPPER			Ц	HELICOPTER		
BS		ШЬ	AREA F	PLANT			Ш	TRUCK		
BF H H										
							_			
Siteprep Summary	Altamata	V		anting Sum		Tatal	-	Survey Sur		Voor
Year Action Area (ha)	Alternate	Year	Season	Species	Density	Total	⊢	Type Reforestation	Series First	Year 2028
							L		1	
RENEWAL COMMENTS/ISSUES:										
INTERNAL REVIEW	PRESC	RIPTION	N REVIEN		ITIGATIC TERNAL F					
					1					
X PLANNING X WILDLIFE				X		TED TO IRMT				
X SILVICULTURE				х	ALL IRM	T CONCERNS	MITIC	SATED		
IRMT Concerns and Comments:			Mitigation	on Strategy:						Mitigate
Very little cover remaining. Private land cleared. I	Prefer not to be		Block	is falling ou	t due to age	and beaver a	ctivity.	Will proceed with harve	est.	$\int x$
harvested.			Will in	crease buffe	er to 50m al	ong RM road v	ves sid	de.		
Concern for reduced mature cover for elk winterin suitable.	ng. Regen not		Need	a joint inspe ity_current a	ection to det and long ter	ermine level of m timber and v	f use, l vildlife	nabitat potential for values		х
No harvest to occur. Long term leave area for elk	(.		Will sh	low as cont				st until field visit schedu	uled	x
			for Fe	b 17, 2016.						
			Roblin - RBN-00							



LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

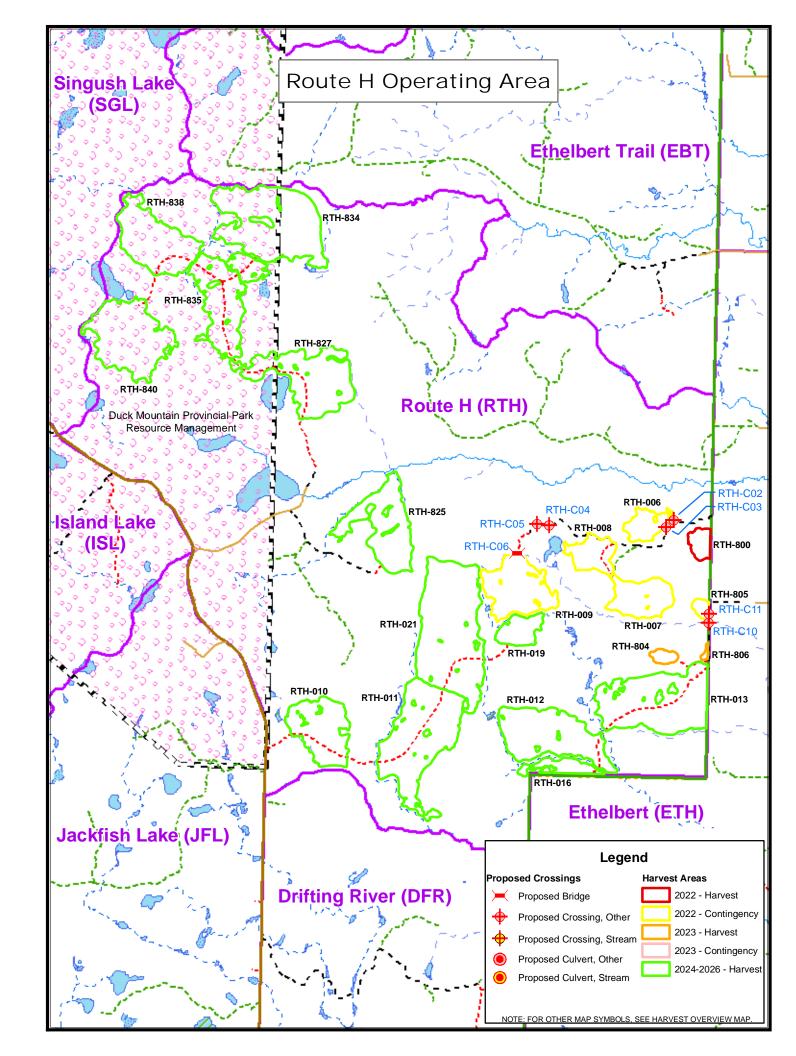
Integrated Operations by Operating Area

Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

FMU 13 Route H

RTH-006	34.92 Hectare	S	2022 Contingency
HW Allocation	2,490 m3	LP	
SW Allocation	2,338 m3	SPL	
RTH-007	69.19 Hectare	S	2022 Contingency
HW Allocation	9,546 m3	LP	
SW Allocation	904 m3	SPL	
RTH-008	46.24 Hectare	s	2022 Contingency
HW Allocation	4,517 m3	LP	
SW Allocation	667 m3	SPL	
RTH-009	106.95 Hectar	es	2022 Contingency
HW Allocation	16,164 m3	LP	
SW Allocation	2,291 m3	SPL	
RTH-800	19.88 Hectare	s	2022 Harvest
HW Allocation	100 m3	LP	
SW Allocation	114 m3	Quota Holder	
RTH-804	10.56 Hectare	S	2023 Harvest
HW Allocation	15 m3	LP	
SW Allocation	114 m3	Quota Holder	
RTH-805	9.14 Hectares		2022 Contingency
HW Allocation	134 m3	LP	
		0 ()	
SW Allocation	114 m3	Quota Holder	
SW Allocation RTH-806	114 m ₃ 2.11 Hectares		2023 Harvest
			2023 Harvest
RTH-806	2.11 Hectares		2023 Harvest



Roads Route H

R	TH-2A t	o 2D (exis	ting)			Addition Comme		d Develo	pment	
Road D	evelopn	nent:		_		These ro	ads are			locks RTH-006 to 009. These roads were built in
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	espan Road (yrs)	2001. Th	ne acces	ss to thes	e roads	s is on private land between 2 quarter sections.
4.2	20	8	Dry/Frozen		15					
Road De	eactivati	on:	ž	ر د ک	σ σ		_	Sit	-	
Road Clos Responsi			GIICYA	Crossing	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer			▽					A berm will be placed at the start of the road. Debris will also be spead after harvest and renewal at selected locations where available, especially along blocks RTH-006 and 008. ATV access will be required for renewal and surveys.
	RT	H-2C-1A						d Develo	pment	
Road D	evelopn	nent:		_		Comme This roa		ses block	RTH-0	007. Most of this road goes through block RTH-
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	espan Road (yrs)			arvested		
0.8	20	8	Dry/Frozen		1					
Road De	eactivati	on:	ž	ōδ	D (0			Si	_	
Road Clo			G I C V Q	Crossing	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer	-		✓					This road will be closed with slash and debris at selected locations in block RTH-008. ATV access will be required for renewal and surveys.
	F	TH-2E						d Develo	pment	
Road D	evelopn	nent:				Comme This roa		ses block	RTH-0	009. Most of this road goes through block RTH-
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	espan Road (yrs)	005 which	ch was h	arvested	in 200	1.
0.6	20	8	Dry/Frozen		15					
Road De	eactivati	on:	ž	<u>δ</u> ζ	σ ω	m m	_	Sit	-	
Road Clos Responsi			Q q	Crossing	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer	<u> </u>		✓					This road will be closed with debris where available in block RTH-005 (2001 harvest block). ATV access will be required for renewal and surveys.

	RTH-6	A (existing	g)		Addition Comme		Develo	pment			
Road D	evelopn	nent:			This is a	This is an existing road that connects to and follows the Provincial Forest					
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespan of Road (yrs)	boundary. This road accesses blocks RTH-805 and 806 and is part of the access to block RTH-804.						
1.8	15	6	Frozen	50							
Road Clo Responsi	sure	i <u>on:</u>		and Debris Crossing Removal	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments		
Quota Hol	lder/LP	Post-Ha Post-Rer						Y	This is an existing road which will remain open. This is a winter road which will melt restricting access. Crossing RTH-C10 and C11 will melt restricting access.		
	RT	H-6A-1A			Addition		l Develo	pment			
Road D					Comme	nts		•	il for most of its length. The road accesses block		
Road Do			Season of Use	Lifespan of Road (yrs)	Comme This roa	nts d follows	a well เ	• used tra			
Road Length	evelopn ROW Width	nent: Road Surface		of Road	Comme This roa	nts d follows	a well เ	• used tra	il for most of its length. The road accesses block		
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Use Frozen	of Road (yrs)	Comme This roa RTH-804	nts d follows 4. This ro	a well u	used tra	il for most of its length. The road accesses block		
Road Length (km)	ROW Width (m) 15 eactivati	Road Surface Width (m)	Use Frozen	of Road (yrs)	Comme This roa	nts d follows	a well เ	• used tra	il for most of its length. The road accesses block		

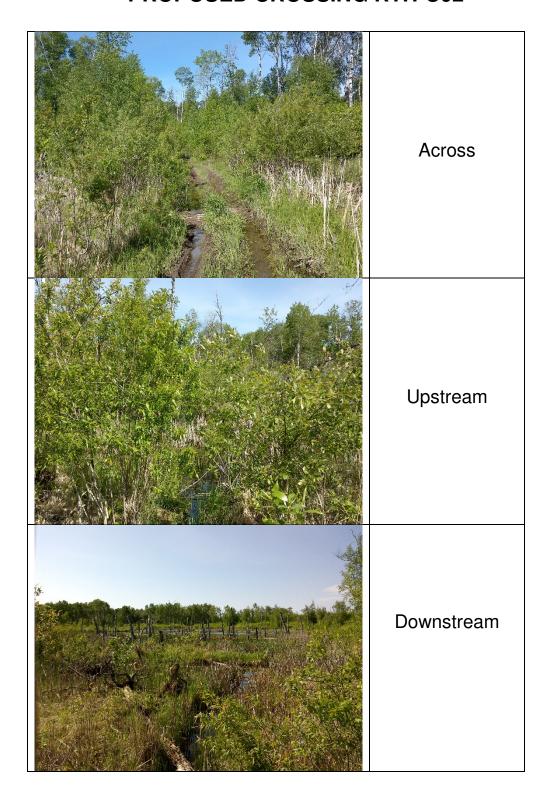


Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

FML 3 2023 - Proposed Crossings

Crossing Name:	PTH-C02	Ownership: LP
Operating Area: UTM Northing: Stream Type: Watercourse Name: Channel Width (m): Water Depth (m):	Route H 5705688 Other Watercourse N/A	Contingency Crossing: UTM Easting: 389566 Land Description: NE14-29-23W Crossing Inspection Date: 02-June-2016 Stream Assessment Required: Stream Assessment Complete:
Site Description:		
This feature is a beaver flood which substrate is clay/organic.	ch has extended onto the ol	ld 2001 harvest road. It is a small alder/willow swale flowing into the flood. The
General Considerations:		
Crossing Stru	ucture:	Crossing Lifespan:
Pr Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert	Alternate X	Temporary Crossing: X 01 December,2023 to 31 March,2024 Permanent Crossing: Proposed Install Date: Crossing Duration: Years Remove after Renewal Activities:
installation & Removal Notes:		
		ossing will be cleaned off and a trench will be constructed to allow for flow during area will return to near natural conditions.



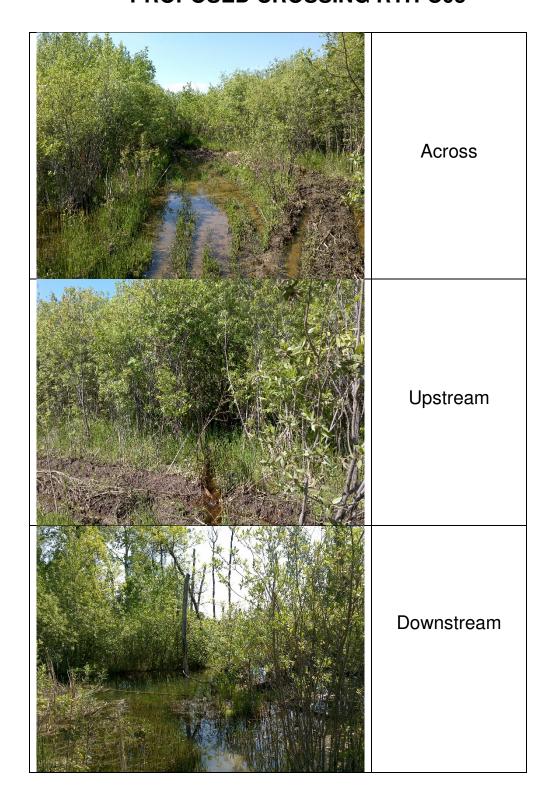


Swan River, MB, R0L 12 Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

FML 3 2023 - Proposed Crossings

Crossing Name: RTH-C03	Ownership: LP
	· —
Operating Area: Route H	Contingency Crossing:
UTM Northing: 5705554	UTM Easting: 389422
Stream Type: Other Watercourse	Land Description: NW14-29-23W
Watercourse Name: N/A	Crossing Inspection Date: 02-June-2016
Channel Width (m): N/A	Stream Assessment Required:
Water Depth (m): N/A	Stream Assessment Complete:
Road Name: RTH-2B	
Site Description:	
This crossing is caused by the beaver flood at crossing RTH-C02 backing up or flowing into the feature. Substrate is clay/organic. Small downstream dam will b	
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Preferred Alternate	Temporary Crossing:
I Ice Bridge	01 December,2023 to 31 March,2024
Portable Bridge	of December,2025 to S1 Ward1,2024
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing	
Arch Culvert	Crossing Duration: Years
Round Culvert	Remove after Renewal Activities:
Installation & Removal Notes:	
After harvest is completed the surface of the snow and ice crossing will be clear the spring melt. The snow and ice crossing will melt and the area will return to n	



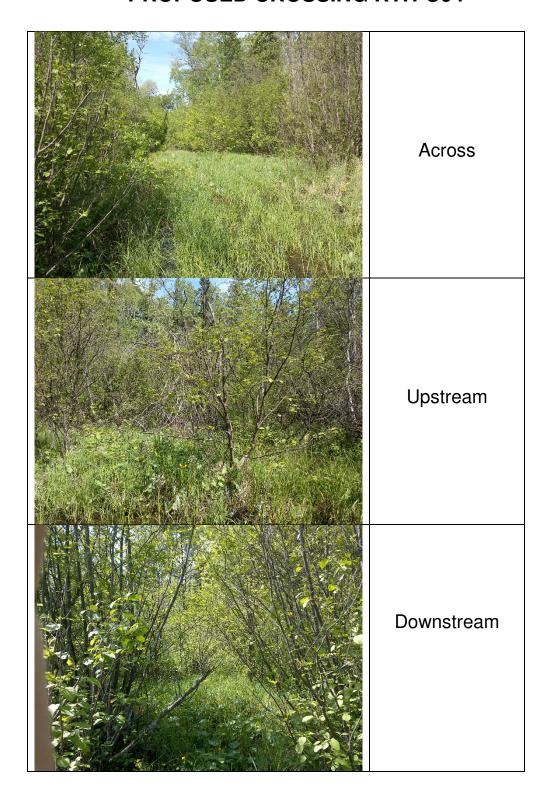


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WATER CROSSING PRESCRIPTION

FML 3 2023 - Proposed Crossings

This is a small sedge meadow on the old 2001 harvest road. The feature is an alder/willow swale on each side of the road. The substrate is organic. The meadow is approximately 50m wide. General Considerations:		
Operating Area: Route H UTM Northing: 5705588 Stream Type: Other Watercourse Watercourse Name: N/A Channel Width (m): N/A Channel Width (m): N/A Stream Assessment Required: Water Depth (m): N/A Road Name: RTH-2D Site Description: This is a small sedge meadow on the old 2001 harvest road. The feature is an alder/willow swale on each side of the road. The substrate is organic. The meadow is approximately 50m wide. Crossing Structure: Crossing Structure: Crossing Structure: Crossing Lifespan: Crossing Lifespan: Temporary Crossing: Temporary Crossing: Temporary Crossing: Temporary Crossing: Perferred Alternate Le Bridge Portable Bridge Rail Car Bridge Proposed Install Date: Crossing Duration: Years Remove after Renewal Activities: After harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be constructed to alliow for flow during		
Stream Type: Other Watercourse Stream Type: Other Watercourse Watercourse Name: N/A Channel Wildth (m): N/A Water Depth (m): N/A Road Name: RTH-2D Site Description: This is a small sedge meadow on the old 2001 harvest road. The feature is an alder/willow swale on each side of the road. The substrate is organic. The meadow is approximately 50m wide. Crossing Structure: Crossing Structure: Crossing Structure: Crossing Lifespan: Crossing Lifespan: Temporary Crossing: Temporary Cro	Crossing Name: RTH-C04	Ownership: LP
Stream Type: Other Watercourse	Operating Area: Route H	Contingency Crossing:
Water Dame: NA Crossing Inspection Date: 02-June-2016 Channel Width (m): N/A Stream Assessment Required: Water Depth (m): N/A Stream Assessment Complete: Road Name: RTH-2D Site Description: Stream Assessment Complete: This is a small sedge meadow on the old 2001 harvest road. The feature is an alder/willow swale on each side of the road. The substrate is organic. The meadow is approximately 50m wide. General Considerations: P will follow DFO Operational Statement for temporary crossings. Crossing Structure: Crossing Lifespan: Crossing Structure: Crossing Lifespan: Temporary Crossing: X O1 December, 2023 to 31 March, 2024 Permanent Crossing: Proposed Install Date: Crossing Duration: Years Remove after Renewal Activities: Crossing Duration: Years Remove after Renewal Activities: Crossing Duration: Years Remove after Renewal Activities: Crossing Duration Years Yea	UTM Northing: 5705589	UTM Easting: 387264
Channel Width (m): N/A Stream Assessment Required: Water Depth (m): N/A Stream Assessment Complete: Road Name: RTH-2D Site Description: This is a small sedge meadow on the old 2001 harvest road. The feature is an alder/willow swale on each side of the road. The substrate is organic. The meadow is approximately 50m wide. General Considerations: LP will follow DFO Operational Statement for temporary crossings. Crossing Structure: Crossing Lifespan: Temporary Crossing: X Of 1 December, 2023 to 31 March, 2024 Permanent Crossing: Proposed Install Date: Crossing Duration: Years Remove after Renewal Activities: Installation & Removal Notes: After harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be constructed to allow for flow during	Stream Type: Other Watercourse	Land Description: NW15-29-23W
Water Depth (m): N/A Road Name: RTH-2D Site Description: This is a small sedge meadow on the old 2001 harvest road. The feature is an alder/willow swale on each side of the road. The substrate is organic. The meadow is approximately 50m wide. General Considerations: LP will follow DFO Operational Statement for temporary crossings. Crossing Structure: Crossing Lifespan: Temporary Crossing: Itemporary Crossin	Watercourse Name: N/A	Crossing Inspection Date: 02-June-2016
Site Description: This is a small sedge meadow on the old 2001 harvest road. The feature is an alder/willow swale on each side of the road. The substrate is organic. The meadow is approximately 50m wide. General Considerations: LP will follow DFO Operational Statement for temporary crossings. Crossing Structure: Crossing Lifespan: Temporary Crossing: Temporary Crossing: Vertered Alternate Of December, 2023 to 31 March, 2024 Permanent Crossing: Permanent Cr	Channel Width (m): N/A	Stream Assessment Required:
Site Description: This is a small sedge meadow on the old 2001 harvest road. The feature is an alder/willow swale on each side of the road. The substrate is organic. The meadow is approximately 50m wide. General Considerations: LP will follow DFO Operational Statement for temporary crossings. Crossing Structure: Crossing Lifespan: Temporary Crossing: Temporary Crossing: X 01 December, 2023 to 31 March, 2024 Permanent Crossing: Proposed Install Date: Crossing Duration: Permanent Crossing: Proposed Install Date: Crossing Duration: Remove after Renewal Activities: After harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be constructed to allow for flow during	Water Depth (m): N/A	Stream Assessment Complete:
This is a small sedge meadow on the old 2001 harvest road. The feature is an alder/willow swale on each side of the road. The substrate is organic. The meadow is approximately 50m wide. Considerations:	Road Name: RTH-2D	
General Considerations: LP will follow DFO Operational Statement for temporary crossings. Crossing Structure: Crossing Lifespan: Temporary Crossing: I to Bridge Portable Bridge Portable Bridge Portable Bridge Timber Bridge Timber Bridge Show and Ice Xing Arch Culvert Round Culvert Round Culvert Round Structure: After harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be constructed to allow for flow during	Site Description:	
Crossing Structure: Crossing Lifespan: Preferred Alternate Ice Bridge Portable Bridge Portable Bridge Timber Bridge Timber Bridge Arch Culvert Round Culvert Round Culvert Round Culvert Round Structure: After harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be constructed to allow for flow during		eature is an alder/willow swale on each side of the road. The substrate is
Crossing Structure: Crossing Lifespan:	General Considerations:	
Crossing Structure: Crossing Lifespan:	LP will follow DFO Operational Statement for temporary crossings.	
Temporary Crossing: X		
Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert After harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be constructed to allow for flow during	Crossing Structure:	Crossing Lifespan:
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert Round Culvert After harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be constructed to allow for flow during	<u>Preferred</u> <u>Alternate</u>	Temporary Crossing:
Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert Round Semoval Notes: After harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be constructed to allow for flow during	Ice Bridge	01 December,2023 to 31 March,2024
Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert Round Culvert Remove after Renewal Activities: After harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be constructed to allow for flow during		Permanent Crossing:
Snow and Ice Xing Arch Culvert Round Culvert Remove after Renewal Activities: After harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be constructed to allow for flow during		
Remove after Renewal Activities: Remove after Renewal Activities: After harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be constructed to allow for flow during		
Installation & Removal Notes: After harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be constructed to allow for flow during	Arch Culvert	Crossing Duration: Years
After harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be constructed to allow for flow during	Round Culvert	Remove after Renewal Activities:
	Installation & Removal Notes:	



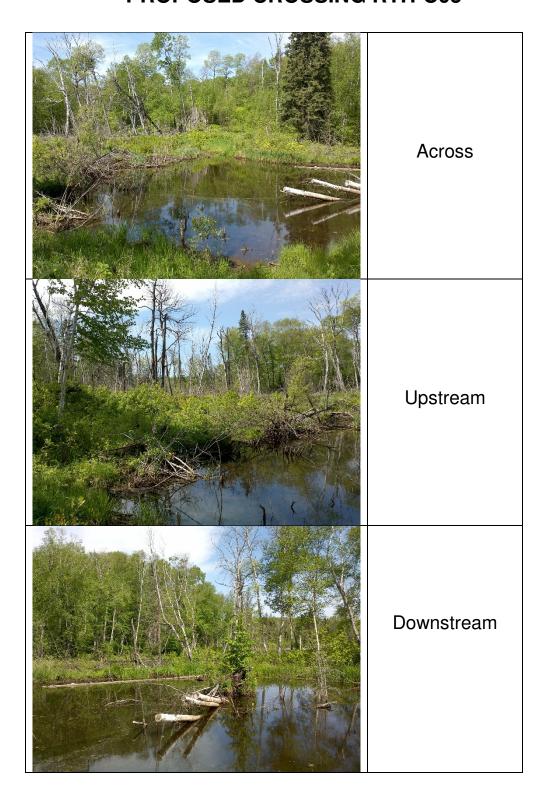


Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

FML 3 2023 - Proposed Crossings

Crossing Name: RTH-	C05	Ownership: LP
Operating Area: Route	Н	Contingency Crossing:
UTM Northing: 57056	312	UTM Easting: 387042
	Watercourse	Land Description: NW15-29-23W
Watercourse Name:	N/A	Crossing Inspection Date: 02-June-2016
Channel Width (m):	I/A	Stream Assessment Required:
Water Depth (m): N/A		Stream Assessment Complete:
Road Name: RTH-2D		
Site Description:		
This crossing is a beaver flood which is procrossing. This crossing is on an old harves		n. The downstream dam will be removed to lower the water level at the
General Considerations: LP will follow DFO Operational Statement	for temporary crossing	75
Crossing Structure:		Crossing Lifespan:
<u>Preferred</u>	<u>Alternate</u>	Temporary Crossing:
Ice Bridge Portable Bridge	П	01 December,2023 to 31 March,2024
Rail Car Bridge	H	Permanent Crossing:
Timber Bridge	\vdash	Proposed Install Date:
Snow and Ice Xing		Crossing Duration: Years
Arch Culvert Round Culvert	H	Remove after Renewal Activities:
nstallation & Removal Notes:		
After harvest is completed the surface of the spring melt. The snow and ice crossing		ing will be cleaned off and a trench will be constructed to allow for flow during a will return to near natural conditions.

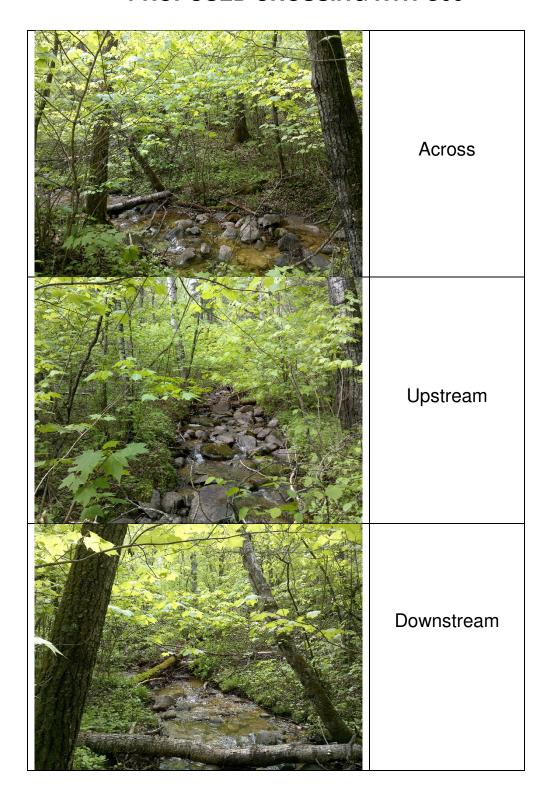




WATER CROSSING PRESCRIPTION FML 3 2023 - Proposed Crossings

Phone: 204-734-4102 Fax: 204-734-3646

Crossing Na	me: RTH-C0	6	Ownership: LP
Operating Are			Contingency Crossing:
UTM Northing			UTM Easting: 386679
Stream Type:		nt	Land Description: SE16-29-23W
Watercourse			Crossing Inspection Date: 02-June-2016
Channel Widt			Stream Assessment Required:
Water Depth (Stream Assessment Complete:
Road Name:	RTH-2E		·
Site Description:			
		tand. The substra	ate is rock/gravel/sand and silt. The banks are approximately 0.5m high. There
were no fish seen at time o	f inspection.		
General Considerations:			
LP will follow DFO Operation	onal Statement for a	rlear snan hridge	s ·
Li wiii iollow Di O Operatio	Shar Statement for	sical spair bridge	.
Crossir	ng Structure:		Crossing Lifespan:
			–
	Preferred	<u>Alternate</u>	Temporary Crossing:
		_	
Ice Bridge		Ц	01 December,2023 to 31 March,2024
Portable Bridge Rail Car Bridge	X	H	Permanent Crossing:
Timber Bridge	H	H	Proposed Install Date:
Snow and Ice Xing	H	H	
Arch Culvert	H	Ħ	Crossing Duration: Years
Round Culvert	H	Ħ	Remove after Renewal Activities:
	_	_	
Installation & Removal No	otes:		
A minimum 30 foot portable	e bridge is required.		
After harvesting activities a	re completed the po	ortable bridge will	be removed and the road approaches will be recontoured to a near natural
condition. The area will be	seeded with grass a	and it required ero	osion control matting or straw mulch will be used to further stabilize the site.



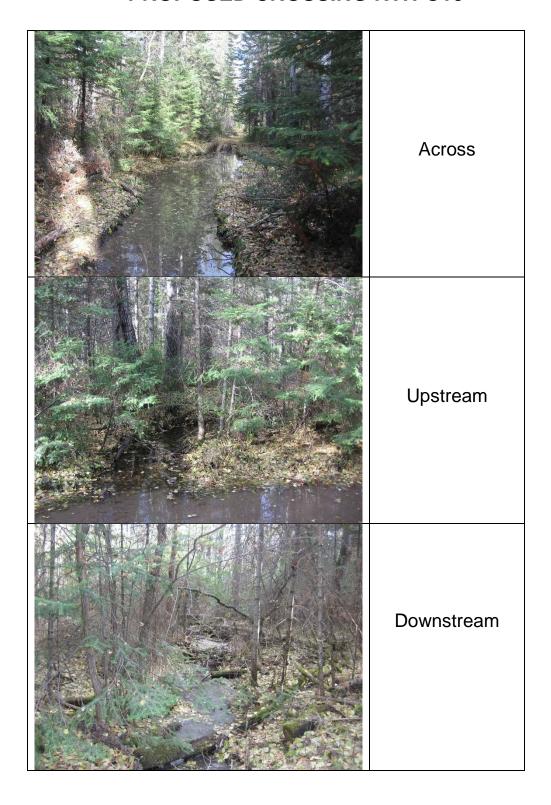


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WATER CROSSING PRESCRIPTION

FML 3 2023 - Proposed Crossings

Crossing Name: RTH-C10	Ownership: Quota Holder/LP
	· —
Operating Area: Route H	Contingency Crossing:
UTM Northing: 5703952	UTM Easting: 390215
Stream Type: Other Watercourse	Land Description: NE11-29-23W
Watercourse Name: N/A	Crossing Inspection Date: 18-October-2018
Channel Width (m): 0.5	Stream Assessment Required:
Water Depth (m): 0.05	Stream Assessment Complete:
Road Name: RTH-6A	
Site Description:	
Stream crosses Provincial Forest boundary at crossing. Well used ATV trail. Substitution in mixed wood stand alder/BF/WS/TA/BA.	bstrate is rock, sand and silt. There are no banks. Crossing is
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Preferred Alternate	Tamanana Oarasinana (M
- Interior	Temporary Crossing:
Ice Bridge	01 December,2023 to 31 March,2024
Portable Bridge	Bormanant Crossing:
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing Arch Culvert	Crossing Duration: Years
Round Culvert	Remove after Renewal Activities:
	Remove after Renewal Activities:
Installation & Removal Notes:	
After harvest is completed the surface of the snow and ice crossing will be clean	ned off and a trench will be constructed to allow for flow during
the spring melt. The snow and ice crossing will melt and the area will return to ne	



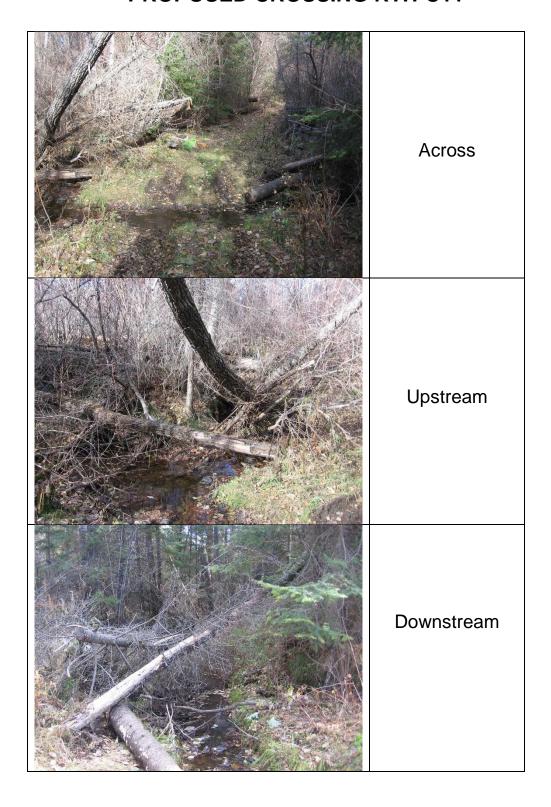


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WATER CROSSING PRESCRIPTION

FML 3 2023 - Proposed Crossings

Crossing Name: RTH-C11	Ownership: Quota Holder/LP
Operating Area: Route H	Contingency Crossing:
UTM Northing: 5703792	UTM Easting: 390209
Stream Type: Other Watercourse	Land Description: NE11-29-23W
Watercourse Name: N/A	Crossing Inspection Date: 18-October-2018
Channel Width (m): 0.5	Stream Assessment Required:
Water Depth (m): 0.05	Stream Assessment Complete:
Road Name: RTH-6A	
Site Description:	
Stream crosses Provincial Forest boundary at crossing. Well used a in mixed wood stand alder/willow/BF.	ATV trail. Substrate is cobble, sand and silt. There are no banks. Crossing is
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
<u>Preferred</u> <u>Alternate</u>	Temporary Crossing:
Ice Bridge	01 December,2023 to 31 March,2024
Portable Bridge	
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing Arch Culvert	Crossing Duration: Years
Round Culvert	Remove after Renewal Activities:
nstallation & Removal Notes:	
	will be cleaned off and a trench will be constructed to allow for flow during
the spring melt. The snow and ice crossing will melt and the area w	iii returri to ricai Haturai Coriultioris.



PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Cut Block Name: RTH-006 Twp & Rge: t29r23w Cut Block Size: 34.9 ha **OPERATING AREA: Route H** Ownership: Open Crown Mapsheet: 380570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Ht (m) Vol % Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 20.1 32 47% 68 2,376 TA ws BS ВF ВА 22 20.0 1% 41 56 322 Uniform **WB** 15.5 20 4% 6 204 Clumped Total HW 52% 75 2,621 **Eco Land Classification Soils Summary** 2,162 WS 20.5 29 43% 62 1st 2nd 3rd BS 0% 0 LFH(cm) Moisture S-Type Surface Texture JP 0% 0 n 06 V Type 05 13 Sandy Loam 10 **S8** BF 20.3 25 6% 299 **Eco Site** 22 2,461 Total SW 48% 70 **Block Total:** 5,082 Cover Type: N IBWC Cnt: 3 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 2,490 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 2,338 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 279 to 419 trees. SEVERE EROSION RISK POTENTIAL: x **HARVEST COMMENTS/ISSUES:** Maintain a maximum of 7 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible Maintain structure along IBWC that runs through the block from plot 9 to plot 5. This feature is crossing RTH-C03. Keep equipment and debris out of harvested areas located on the N and S sides of the block.

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

			RE	NEV	VAL PR	ESCRIPT	ION INFO	DRMATION	I				
RENEWAL STRA	TEGY BY	SPECIES			SITE	PREPAR	ATIONS			SNOW C	ACHE:		
Species Natural TA X BA X WB X WS BS	Advanced	Assisted		!	X	DRAG MOUNI TRENC	:H R RIPPER				AL COVERTYPE: N VAL ACCESS ATV HELICOPTER TRUCK		
	teprep Sum		r] [anting Sun	nmary		\square	Survey Sum		
Year A	ction	Area (ha)	Alternate	┨	Year	Season	Species	Density	Total	_ -	Type Plantation Survival	Series First	Year 2025
				J	2024	Sp	WS	1600	140	40]	Reforestation	First	2025
Back edges of block	Coeing pian	teu so all Toac	as require ATV	, acces	55.								
			PR	RESC	RIPTIO	N REVIEV	W AND M	ITIGATION	l				
	INTERN	IAL REVIEW	I				EX	TERNAL RE	VIEW				
	x WI	ANNING LDLIFE LVICULTURE					x	SUBMITTE ALL IRMT					
IRMT Concerns and Com	ш					Mitigation	on Strategy:						Mitigated
Joint inspection at ha	arvest to pla	n in block rend	ewal access a	and roa	id			ave to happe the summer		nd of har	vest. Equipment will not	be	x

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Cut Block Name: RTH-007 Twp & Rge: t29r23w Cut Block Size: 69.2 ha **OPERATING AREA: Route H** Ownership: Open Crown Mapsheet: 380570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 53% 85 5,870 TA 95 18.9 28 ws BS BF 88 28 27 BA 17% 1,871 18 2 50 **WB** 16.8 23 21% 33 2,308 81 Clumped Clumped 88 Clumped Total HW 91% 145 10,049 **Eco Land Classification Soils Summary** WS 16.5 20 443 69 6 1st 2nd 3rd BS 16.5 34 0% 42 LFH(cm) S-Type Moisture **Surface Texture** .IP 125 16.5 22 3% 4 295 01 V Type 05 13 09 **S10** Loamy Sand BF 12.0 22 2% 172 **Eco Site** 41 Total SW 9% 952 14 **Block Total:** 11,001 Cover Type: H IBWC Cnt: 1 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 9,546 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 904 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **UNDERSTOREY PROTECTION FROZEN SELECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION **SALVAGE** WHOLE TREE TOP AT STUMP **DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS Located along the S side. Harvest as shown on map Stream 100 WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 554 to 830 trees. **SEVERE EROSION RISK POTENTIAL:** x **HARVEST COMMENTS/ISSUES:**

Maintain a maximum of 13 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible.

Maintain structure along IBWC located on the N side of the block near plots 24 to 27. This feature may be used as the block boundary if it is feasible.

This block has a high volume of birch. Most of the birch is located in the NW portion of the block, plots 19, 20, 21, 27 and 28. This area will be selectively harvested (if possible) if no quota holder or permittee will claim the birch volume.

Keep equipment and debris out of harvested areas located on the N and W sides of the block.

Contact bear bait owner if it is posted to inform them of the harvest. The bait is located between plots 11 and 4. Maintain the existing trail to this bait free of debris.

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

			IXL	NEWA											
						PREPAR	ATIONS		SI	SNOW CACHE:					
Species Natura TA X BA X WB X WS BS JP X BF	Advanced X	Assisted		PRE	F. AL	DRAG MOUNI TRENC	CH R RIPPER				AL ACCES ATV HELICOF TRUCK	SS			
	Sitemen Sum			ı —		- Di				, _–		Survey St	Immon.		
Year	Siteprep Sumi	Area (ha)	Alternate	\vdash	ear	Season	anting Sum Species	Density	Total	┨	Туј		Series	Year	
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				ESCRI	PTION	N REVIEV		ITIGATIOI							
	X PLA	AL REVIEW ANNING LDLIFE VICULTURE		ESCRI	PTION	N REVIEV		SUBMITT							
MT Concerns and C	X PLA X WILL X SIL	ANNING LDLIFE		ESCRI	PTION		EX.	SUBMITT	EVIEW ED TO IRM					Mitiga	

Route H - RTH-007

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Fax: 204-734-3646 **Cut Block Name: RTH-008** Twp & Rge: t29r23w Cut Block Size: 46.2 ha **OPERATING AREA: Route H** Ownership: Open Crown Mapsheet: 380570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 20.6 35 36% 43 1,978 TA ws BS BF 29 37% BA 90 44 2 037 18 4 50 **WB** 17.1 29 14% 16 740 Clumped 267 Clumped Total HW 87% 103 4,755 **Eco Land Classification Soils Summary** WS 18.9 35 12% 15 671 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type Moisture Surface Texture 0 .IP 0% n n 08 01 V Type 05 07 Sandy Clay Loam S₂ BF 65 12.0 18 1% 31 **Eco Site** 22 11 07 S5 0 Sandy Clay Loam Total SW 13% 702 15 **Block Total:** 118 5,457 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 4,517 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 667 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **UNDERSTOREY PROTECTION FROZEN SELECTION** PILE & BURN DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Flood MFZ Located on the SW side of the block. Structure will be maintained. Harvest as shown on map 30-50 Lake Duck Lake located on the NW side. Variable 30 to 50m buffer. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 370 to 555 trees. **SEVERE EROSION RISK POTENTIAL:** x **HARVEST COMMENTS/ISSUES:** Maintain a maximum of 10 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible. Keep existing quad trail which runs through the block from plot 25 to the SE corner free of debris. This block has a high volume of birch. Most of the birch is located in the NE and central portions of the block, plots 7, 17 and 19. These areas will be selectively harvested (if possible) if no quota holder or permittee will claim the birch volume. Keep equipment and debris out of harvested areas located on the N, S and E sides of the block.

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Siteprep Sur Action Siteprep Sur Action COMMENTS/ISSU /S understory >500 sentrated clumps of Engrep rotection of WS,	Assisted Assisted Assisted Assisted Assisted Assisted Assisted	m in height are I ned.	Year Cated in the	DRAG MOUN TRENC WINTE AREA P Season E portion of	ID CH ER RIPPER PLANT Planting Sun Species	Density	Total nps of unders	story will	COVERTYPE: H L ACCESS ATV HELICOPTER TRUCK Survey Sum Type Reforestation be protected in	mary Series First	Year 2028
Siteprep Sur Action COMMENTS/ISSU //S understory >500 entrated clumps of E	mmary Area (ha) ES: stems/ha and <6n	m in height is loo m in height are l	Year Vear	DRAG MOUN TRENC WINTE AREA P Season E portion of	CH ER RIPPER PLANT Planting Sun Species	Density	Total nps of unders	story will	ATV HELICOPTER TRUCK Survey Sum Type Reforestation be protected in	Series	
Siteprep Sur Action COMMENTS/ISSU //S understory >500 entrated clumps of E	Area (ha) ES: stems/ha and <6n stems/ha and <6n F being maintain	m in height is loo m in height are l	cated in the	MOUN TRENC WINTE AREA P Season E portion of	CH ER RIPPER PLANT Planting Sun Species	Density	Total nps of unders	story will	ATV HELICOPTER TRUCK Survey Sum Type Reforestation be protected in	Series	
Siteprep Sur Action COMMENTS/ISSU //S understory >500 entrated clumps of E	Area (ha) ES: stems/ha and <6n stems/ha and <6n F being maintain	m in height is loo m in height are l	cated in the	P Season E portion of e N portion	CH ER RIPPER PLANT Planting Sun Species f the block (p	Density	nps of unders		Survey Sum Type Reforestation	Series	
Siteprep Sur Action COMMENTS/ISSU //S understory >500 sentrated clumps of E	Area (ha) ES: stems/ha and <6n stems/ha and <6n F being maintain	m in height is loo m in height are l	cated in the	P Season E portion of e N portion	PLANT Planting Sun Species f the block (p	Density	nps of unders		Survey Sum Type Reforestation	Series	
Action COMMENTS/ISSU /S understory >500 s BF understory >500 entrated clumps of E	Area (ha) ES: stems/ha and <6n stems/ha and <6n F being maintain	m in height is loo m in height are l	cated in the	Season E portion of e N portion	Planting Sun Species f the block (p	Density	nps of unders		Survey Sum Type Reforestation be protected in	Series	
Action COMMENTS/ISSU /S understory >500 s BF understory >500 entrated clumps of E	Area (ha) ES: stems/ha and <6n stems/ha and <6n F being maintain	m in height is loo m in height are l	cated in the	Season E portion of e N portion	Species f the block (p	Density	nps of unders		Type Reforestation be protected in	Series	
Action COMMENTS/ISSU /S understory >500 s BF understory >500 entrated clumps of E	Area (ha) ES: stems/ha and <6n stems/ha and <6n F being maintain	m in height is loo m in height are l	cated in the	Season E portion of e N portion	Species f the block (p	Density	nps of unders		Type Reforestation be protected in	Series	
Action COMMENTS/ISSU /S understory >500 s BF understory >500 entrated clumps of E	Area (ha) ES: stems/ha and <6n stems/ha and <6n F being maintain	m in height is loo m in height are l	cated in the	Season E portion of e N portion	Species f the block (p	Density	nps of unders		Type Reforestation be protected in	Series	
COMMENTS/ISSU /S understory >500 s BF understory >500 entrated clumps of E	ES: stems/ha and <6n stems/ha and <6r F being maintain	m in height is loo m in height are l	cated in the	E portion of e N portion	f the block (p	lot 11). Clun	nps of unders		Reforestation be protected in		
/S understory >500 s BF understory >500 entrated clumps of B	stems/ha and <6n stems/ha and <6r F being maintain	m in height are I ned.	located in th	e N portion							
/S understory >500 s BF understory >500 entrated clumps of B	stems/ha and <6n stems/ha and <6r F being maintain	m in height are I ned.	located in th	e N portion							
		PRES	SCRIPTIO	N REVIE	EX	TERNAL R	EVIEW	on 11/1	1/16		
x v	VILDLIFE				_						
	ILVICULTURE			ga	Ot :						BA147 4
											Mitigate
block road design. A	Access from 008 i	instead of 2B-1	Α.			k PHS map ∙	to see where	road ca	n run through 008 to ge	et	x
_	X V X S and Comments:	X WILDLIFE X SILVICULTURE and Comments:	INTERNAL REVIEW X PLANNING X WILDLIFE X SILVICULTURE and Comments:	INTERNAL REVIEW X PLANNING X WILDLIFE X SILVICULTURE	INTERNAL REVIEW X PLANNING WILDLIFE SILVICULTURE and Comments: Mitigat block road design. Access from 008 instead of 2B-1A. Agree	INTERNAL REVIEW X PLANNING WILDLIFE X SILVICULTURE and Comments: Mitigation Strategy:	INTERNAL REVIEW X PLANNING WILDLIFE SILVICULTURE and Comments: Mitigation Strategy: Agreed. Will check PHS map	X PLANNING WILDLIFE SILVICULTURE and Comments: Mitigation Strategy: Agreed. Will check PHS map to see where	INTERNAL REVIEW X PLANNING WILDLIFE SILVICULTURE and Comments: Mitigation Strategy: Agreed. Will check PHS map to see where road ca	INTERNAL REVIEW X	INTERNAL REVIEW X

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Fax: 204-734-3646 Cut Block Name: RTH-009 Twp & Rge: t29r23w Cut Block Size: 107.0 ha **OPERATING AREA: Route H** Ownership: Open Crown Mapsheet: 380570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Species Avg Ht (m) Avg DBH (cm) Vol % m3/ha Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 23.9 56% 102 10,873 TA 103 ws BS BF 33 BA 21.5 17% 32 3 372 24 **WB** 18.7 26 14% 26 2,770 Clumped 8 Clumped Total HW 88% 159 17,015 **Eco Land Classification Soils Summary** WS 19.4 33 1.182 6% 11 1st 2nd 3rd BS 16.3 17 2% 423 LFH(cm) S-Type Moisture Surface Texture .IP 22.0 20 4% 8 807 08 01 V Type 05 07 Sandy Loam **S5** BF 0% 0 0 **Eco Site** Total SW 12% 2,412 23 **Block Total:** 182 19,427 Cover Type: H IBWC Cnt: 5 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 16,164 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 2,291 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **UNDERSTOREY PROTECTION FROZEN SELECTION** PILE & BURN DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Flood MFZ Located on the W and E sides. Structure will be maintained. Harvest as shown on map. 30 Stream Located along the N side. Harvest as shown on map. Stream 15 Located along the S side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 856 to 1,283 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Maintain a maximum of 20 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible. Maintain structure along IBWC's located near plot 20 and 34. The IBWC's located near plots15 and 35 have been removed from the block. This block has a high volume of birch. Most of the birch is located in the N and Scentral portions of the block, plots 6, 12, 18, 37, 45, 46, 47 and 49. These areas will be selectively harvested (if possible) if no quota holder or permittee will claim the birch volume.

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

			RE	NEW	AL PR	ESCRIPT	TON INF	ORMATIO	N				
RENEWAL STRA	ATEGY BY	SPECIES			SITE	PREPAR	RATIONS			NOW C			
Species Natural	Advanced	Assisted		Р	REF. AI	LT.			R	RENEWA	AL COVERTYPE: H		
TA X				[DRAG			_		/AL A00500		
ва х				[MOUN	D		H	KENEW	AL ACCESS		
wв х				[TRENC	CH				ATV		
ws	х					WINTE	R RIPPER				HELICOPTER		
BS				[AREA	PLANT				TRUCK		
JP X	П					_					_		
BF													
Si	iteprep Sum	nmary		Γ		P	lanting Sur	nmary		٦ [Survey Sur	mmary	
	ction	Area (ha)	Alternate		Year	Season	Species	Density	Total	7 I	Туре	Series	Year
] [Reforestation	First	2028
Combination of see								mponent.	N				
	WITED	IAL DEVIEW		-3Cr	KIPTIO	N REVIE							
		NAL REVIEW					EX	TERNAL R	EVIEW				
		LANNING					х	SUBMITT	ED TO IRM	/IT on 1	1/11/16		
		ILDLIFE					х	ALL IRM	CONCER	NS MIT	IGATED		
	X SI	LVICULTURE						_					
IRMT Concerns and Com	ments:					Mitigat	ion Strategy:						Mitigate
No comment-review	LOS at time	e of harvest.				Block May v	will not be vaive LOS r	planted so no requirement.	o access is	needed	. Block will be inaccessil	ble.	x
							009						

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 **Cut Block Name: RTH-800** Twp & Rge: t29r23w Cut Block Size: 19.9 ha **OPERATING AREA: Route H** Ownership: Open Crown Mapsheet: 390570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution 18.3 29 18% 32 645 TA ws BS ВF ВА 105 27 10% 17 345 16.8 167 1311 Uniform **WB** 15.1 20 10% 17 340 Clumped Total HW 38% 67 1,330 **Eco Land Classification Soils Summary** WS 85 19.2 30 20% 36 717 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type Moisture Surface Texture 0 JP 0% n n V Type Sandy Clay S10 16 BF 16.2 23 42% 74 1,481 **Eco Site** Total SW 62% 2,198 111 **Block Total:** 177 3,528 Cover Type: M IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 100 SOFTWOOD ALLOCATION: Quota Holder SOFTWOOD VOLUME (m3): 114 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON CLEARCUT SHELTERWOOD WHOLE TREE **FROZEN SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE **SALVAGE** PATCH RETENTION WHOLE TREE TOP AT STUMP **DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 159 to 239 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Mitigated in 1998/99 AOP.

This block should provide approx 5 years of softwood quota for quota holder.

Maintain a minimum of 3 WDP's approximately 30-70 m from the block edge.

Harvest only WS over 25 cm DBH.

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

				RE											
RENEWAL STRATEGY BY SPECIES						SITE	PREPAR	ATIONS			SNOW CA	ACHE:			
Species	Natural Ad	dvanced	Assisted		PRE	F. AL	т.				RENEWA	L COVERT	TYPE: M		
TA	х] [DRAG				RENEW/	AL ACCES	SS		
ВА	x	Н	Ш		<u> </u>	⇃⇂	MOUNI								
WB	X	Н	H		-	┨┝	TRENC	H R RIPPER			Н	ATV	DTED		
WS BS	Н	X	H		<u> </u>	┧┝	AREA				Н	HELICO TRUCK			
JP	H	Н	H]				ш	TROOK			
BF	Н	Н	H												
	Citori				1 —			la 4			— г		Sumrov Si	III manani	
Year	Actio	rep Sumr	Area (ha)	Alternate	┤├┰	ear	Season	anting Sun Species	Density	Total	\dashv \vdash		Survey Su	Series	Year
1001	7,01.0	,,,,	7 ii ou (iiu)	Antornato	╽┝	cui	Ocason	Openies	Density	Total	\dashv \vdash		estation	First	2033
area pla	be monitored to nted. BF understory d with concent	y >500 ste	ems/ha and <	6m in height a	ire located										
		—	AL REVIEW		ESCRIF	PTION	N REVIE\	EX	ITIGATIO TERNAL F	EVIEW	IMT on 400	4242			
	[X PLA	AL REVIEW ANNING .DLIFE		ESCRIF	PTION	N REVIE	EX X	SUBMITT	REVIEW	RMT on 10 /				
		X PLA	ANNING		ESCRIF	PTION	N REVIE\	EX	SUBMITT	REVIEW					
IRMT Concer		X PLA X WIL X SIL	ANNING LDLIFE		ESCRIF	PTION		EX X	SUBMITT	REVIEW					Mitigate

Route H - RTH-800

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Fax: 204-734-3646 Cut Block Size: 10.6 ha Cut Block Name: RTH-804 Twp & Rge: t29r23w **OPERATING AREA: Route H** Ownership: Open Crown Mapsheet: 380570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Vol % Avg DBH (cm) m3/ha Vol (m3) **Species** Avg Ht (m) Avg Age (yr) Understory Stems/ha and Distribution TA 22 6% 20 215 ws BS ВF ВА 0% 0 0 33 1900 Uniform **WB** 12.0 16 2% 6 63 Clumped Total HW 8% 26 278 **Eco Land Classification Soils Summary** WS 20.8 28 83% 278 2,938 1st 2nd 3rd BS 0% LFH(cm) S-Type Moisture 0 Surface Texture 0 JP 0% 0 n V Type 14 13 Silt Loam 05 S10 BF 14.5 20 9% 32 337 **Eco Site** 42 36 10 S10 5 Loam Total SW 92% 310 3,275 **Block Total:** 336 3,553 Cover Type: S IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 15 SOFTWOOD ALLOCATION: Quota Holder SOFTWOOD VOLUME (m3): 114 HARVEST/SILVICULTURE SYSTEM HARVEST SEASON **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Mineral Lick 100 Located on the S side. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 84 to 127 trees. **SEVERE EROSION RISK POTENTIAL:** x **HARVEST COMMENTS/ISSUES:**

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

				RE	NEWA	L PI	RESCRIP	TION INF	ORMATIO	N				
RENEW	/AL STRATE	GY BY	SPECIES			SIT	TE PREPA	RATIONS		SN	IOW CA	ACHE:		
Species			Assisted		PRE	F. /						L COVERTYPE: S		
TA	x	П			Г	1 Г	DRAG	;						
ВА	Ħ	П	Н			1	MOUN	ND		RE	NEW/	AL ACCESS		
WB	x	П	П] [TREN	СН			х	ATV		
ws		х	х] [WINT	ER RIPPER				HELICOPTER		
BS		Ш	Ш		Х	JL	AREA	PLANT			Ш	TRUCK		
JP	Н	Н	Н											
BF	Ш	Ш	Ш											
	Sitep	rep Sum	mary				ı	Planting Sui	mmary		1 [Survey Sun	nmary	
Year	Actio	n	Area (ha)	Alternate	Y	'ear	Season	Species	Density	Total] [Туре	Series	Year
					2	024	Sp	WS	2000	14400] [Plantation Survival	First	2025
DENEWAL	COMMENT	·//CCLIE	· c.								L	Regeneration	First	2033
	COMMENTS													
	of BF being ma			om in neight is i	iocateu III	uie	L portion of	ale DIOCK (F	101 1 <i>j</i> . 11118 č	area will be lie	ai vesie	d with concentrated		
				termine at time	of harves	st the	e amount of	seedlings to	be planted i	if required.				
									•					
				PR	FSCRIE	2TI(ON REVIE	W AND N	MITIGATIO	N				
		INITEDN	IAL REVIEV											
		_		V				E/	KTERNAL R _	EVIEW				
		_	ANNING					X	SUBMITT	TED TO IRM	Γ on 11	/16/18		
			LDLIFE					x	ALL IRM	T CONCERN	S MITI	GATED		
		X SII	LVICULTURE											
IRMT Concer	ns and Commer	nts:					Mitiga	tion Strategy:	:					Mitigated
No conce	rns.													x

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Cut Block Name: RTH-805 Twp & Rge: t29r23w Cut Block Size: 9.1 ha **OPERATING AREA: Route H** Ownership: Open Crown Mapsheet: 390570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Age (yr) Avg Ht (m) m3/ha Vol (m3) Understory Stems/ha and Distribution 19.7 25 48% 114 1,039 TA ws BS ВF 32 BA 50 19.0 2% 5 Uniform 4333 **WB** 14.5 21 4% 9 85 Total HW 54% 128 1,174 **Eco Land Classification Soils Summary** WS 103 20.3 29 854 93 1st 2nd 3rd BS 0% LFH(cm) Moisture 0 S-Type Surface Texture 0 JP 0% n n 08 13 V Type 21 03 Loam **S5** BF 15.1 21 7% 17 159 **Eco Site** 34 Total SW 46% 1,013 111 **Block Total:** 239 2,187 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 134 SOFTWOOD ALLOCATION: Quota Holder SOFTWOOD VOLUME (m3): 114 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION FROZEN** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course WIDTH (m) DETAILS **FEATURE** WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 73 to 110 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Keep debris off trail along the provincial forest boundary. Maintain existing trail free of debris. This block should provide at least 5 to 8 years of quota harvest for Pachkowski or quota holder who purchases the quota. This block will be harvested before RTH-804 which was mitigated and scheduled for harvest after RTH-800.

FML 3 2022 - Contingency

			REN	NEWAL F	PRESCRIPT	ION INFO	ORMATIO	N						
RENEWAL STRA	TEGY BY	SPECIES		s	ITE PREPAR	ATIONS			SNOW CACHE:					
Species Natural TA X BA X WB X WS BS JP BF	TA X BA X WB X X BS X X BS S Siteprep Summary				DRAG MOUNI TRENC WINTE AREA I	H R RIPPER			RENEWAL ACCESS X ATV HELICOPTER TRUCK					
Sit	eprep Sumi	mary			P	anting Sun	nmary			Survey Su	ımmary			
Year Ac	tion	Area (ha)	Alternate	Year	_	Species	Density	Total		Туре	Series	Year		
				2023	Sp	WS	1800		┙┟	Plantation Survival	First	2024		
RENEWAL COMMEN	TS/ISSUE	S:							L	Regeneration	First	2000		
			PRE	SCRIPT	ON REVIE	W AND M	ITIGATIO	N						
	INTERN	AL REVIEW	Ī			EX	TERNAL RI	EVIEW						
	X WIL	ANNING LDLIFE .VICULTURE				x	SUBMITT ALL IRMT							
IRMT Concerns and Comm	nents:				Mitigati	on Strategy:						Mitigated		
Understory is extrem removed.	ely high. Is t	this the case?	Can these area	as be	is exp					ate US #s. Small QH		x		

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Fax: 204-734-3646 Cut Block Size: 2.1 ha **Cut Block Name: RTH-806** Twp & Rge: t29r23w **OPERATING AREA: Route H** Ownership: Open Crown Mapsheet: 390570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg Age (yr) Avg Ht (m) m3/ha Vol (m3) **Species** Avg DBH (cm) Vol % Understory Stems/ha and Distribution TA 0% 0 0 ws BS ВF ВА 83 16.0 18 3 1% 7 2000 2000 **WB** 14.0 18 1% 3 6 Clumped Clumped Total HW 2% 6 13 **Eco Land Classification Soils Summary** WS 21.1 24 303 639 1st 2nd 3rd BS 0% LFH(cm) Moisture 0 0 S-Type Surface Texture JP 0% 0 0 V Type 21 13 80 Loam **S5** BF 17.0 16 1% 8 **Eco Site** 34 Total SW 98% 307 647 **Block Total:** 313 660 Cover Type: S IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 5 SOFTWOOD ALLOCATION: Quota Holder SOFTWOOD VOLUME (m3): 114 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON CLEARCUT SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 17 to 25 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Selective harvest of larger WS over 25cm. Block should provide up to 5 years quota volume.

Route H

FML 3 2023 - Harvest

			RE	NEWAL PR	RESCRIP	TION INF	ORMATIC	N				
RENEWAL S	STRATEGY BY S	PECIES		SIT	E PREPAI	RATIONS			SNOW C	ACHE:		
Species Natu		_		PREF. A					RENEWA	AL COVERTYPE: S		
та	1 🗆				DRAG	i						
ва х	1 🗆	П			MOUN	ID			RENEW	AL ACCESS		
WB X					TREN	CH			х	ATV		
ws	х	х		$\vdash \vdash$	_	ER RIPPER				HELICOPTER		
BS	↓ ⊢	Н		X L	AREA	PLANT				TRUCK		
JP BF	→ 	Н										
вг _	ј Ц	Ш										
	Siteprep Summ	ary				Planting Su	mmary			Survey Sum	mary	
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	 	Туре	Series	Year
				2024		WS	2000		-	Plantation Survival	First	2025
RENEWAL COM	MENTS/ISSUES								L	Reforestation	First	2034
			·Our in hairbi		N. mantian a	f the block	rate (2) Oliver			I be much start in		
patches.	nderstory >500 sten	ns/na and <	om in neignt is	s located in the	N portion c	T the block (piot 2). Ciun	nps of und	erstory wii	i be protected in		
•	block planting requir	rments after	r each year of h	harvest.								
			PR	ESCRIPTIO	N REVIE	W AND N	MITIGATIO	N				
	INTERNA	L REVIEW	V			E	CTERNAL F	REVIEW				
	X PLAI	NNING				Гх	1 SUBMIT	TED TO IF	RMT on 10	/18/19		
	—	DLIFE				X		T CONCE				
		'ICULTURE	<u> </u>			ــــــ	J /\LE !\\.	. 00.102		O/ (125		
RMT Concerns and					Mitiga	tion Strategy						Mitigated
l la de setem de la	orden and the lands of a dis-	:- 41	0.0 th		. Van		al : al	lei ale aa		orto I IC #a - Corroll Old wife		7
removed.	extremely high. Is th	is the case	? Can these are	eas be						ate US #s. Small QH wh BF will be left standing		X
						nt practical.				,		



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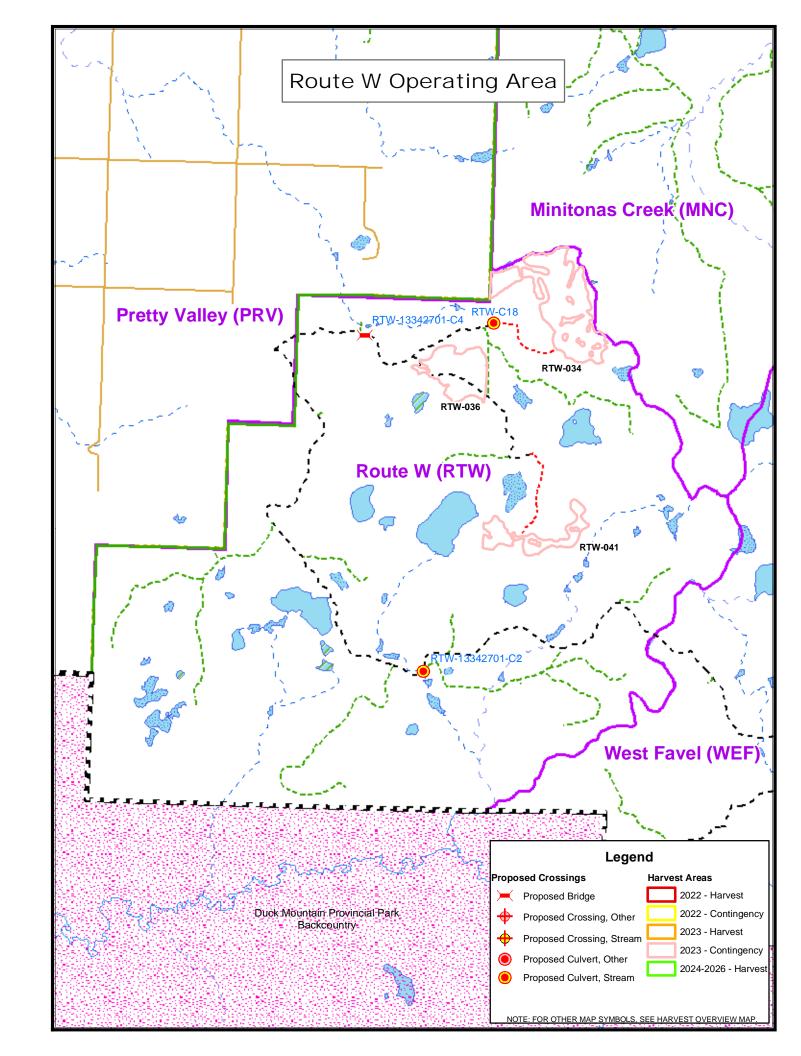
Integrated Operations by Operating Area

Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

FMU 13 Route W

RTW-034	88.66 Hectare	S	2023 Contingency
HW Allocation	11,969 m3	LP	
SW Allocation	1,862 m3	SPL	
RTW-036	38.72 Hectare	s	2023 Contingency
HW Allocation	5,227 m3	LP	
SW Allocation	813 m3	SPL	
RTW-041	25.88 Hectare	s	2023 Contingency
HW Allocation	3,494 m3	LP	
SW Allocation	543 m3	SPL	



Roads Route W

R	TW-1A 1	to 1D (exis	sting)			Addition Comme		d Develo	pment	
Road D	<u>evelopn</u>	<u>nent:</u>						e part of	he new	access to the WEF operating area. The road
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	span Road yrs)	starts or	n Bresky	's land a	nd a po	rtion of it is on Designated Route W.
6.0	20	8	Dry/Frozer	1	25					
Road De	eactivati	<u>on:</u>		교유	п <i>(</i>			S	_	
Road Clo Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer							✓	These roads will remain open.
		to 1D-2D (e	existing)			Addition Comme		d Develo	pment	
Road D	evelopn	<u>nent:</u>				These ro	oads are	part of	he new	access to the WEF operating area.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	span Road yrs)					
4.5	15	6	Frozen		15					
Road De	eactivati	<u>on:</u>		교유	п (S	_	
Road Clo Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer		V					✓	These roads will remain open for future harvest. Crossings RTW-C19 and C20 will melt restricting access.
		nd 2B (exi	sting)			Addition Comme		d Develo	pment	
Road D	evelopn	<u>nent:</u>				These ro	oads are	part of	he acce	ess to blocks RTW-034, 036 and 041.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	span Road yrs)					
3.2	20	8	Dry/Frozer	1	50					
Road De	eactivati	on:		дΩ	- 40	_		<u>s</u>		
Road Clo Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
-				ng /al	S	_		ep	V.	Comments

RTW-2A-1A to 1C (existing) Additional Road Development Comments Road Development: These roads access block RTW-036 and are part of the access to block RTW-Road **ROW** Season of Lifespan Road Length Width **Surface** Use of Road (km) (m) Width (m) (yrs) 2.4 20 8 Dry/Frozen 50 Road Deactivation: Site Prep **Additional Road Closure Road Closure** Comments Responsibility Post-Harvest These road will be closed with slash and debris **Bresky** Post-Renewal at selected locations in block RTW-036. **Additional Road Development** RTW-2A-1D Comments Road Development: This road accesses block RTW-041. ROW Road Road Season of Lifespan Length Width **Surface** Use of Road Width (m) (yrs) (km) (m) 1.2 20 8 Dry/Frozen Road Deactivation: Site Prep Slash and Debris Earth Berm None **Additional Road Closure Road Closure** Comments Responsibility Post-Harvest These road will be closed with slash and debris Bresky Post-Renewal at selected locations in block RTW-014 which was harvested in 2001. RTW-2C **Additional Road Development** Comments Road Development: This road accesses block RTW-034. Lifespan Road ROW Road Season of Width Surface Use of Road Length Width (m) (km) (m) (yrs) 1.1 20 8 Dry/Frozen 1 Road Deactivation: Site Prep Slash and **Additional Road Closure Road Closure** Comments Responsibility **Post-Harvest Bresky** These road will be closed with slash and debris Post-Renewal at selected locations in block RTW-13342701-12 which was harvested in 1999.



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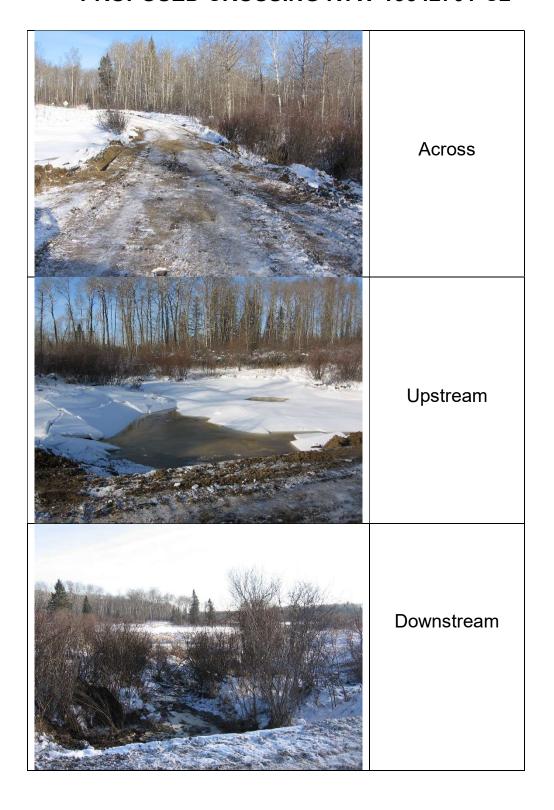
FML 3 2022 - Proposed Crossings

WATER CROSSING PRESCRIPTION

Phone: 204-734-4102 Fax: 204-734-3646

Crossing Na	ame: RTW-13	342701-C2	Ownership: LP/Breskv
Operating A	rea: Route W		Contingency Crossing:
UTM Northin			UTM Easting: 351153
Stream Type	Seasonal		Land Description: SE1-34-27W
Watercourse	Name: N/A		Crossing Inspection Date:
Channel Wid	Ith (m): 0.75		Stream Assessment Required:
Water Depth	(m): 0.3		Stream Assessment Complete:
Road Name:	RTW-1D		
Site Description:			
keep daming the stream a	and the bridge has be	come unstable. L	currently and 20 foot bridge in place. The bridge needs to be replaced. Beavers LP is proposing to replace the bridge with a 3 foot culvert. The culvert will be used to access harvest areas in the West Favel operating area.
General Considerations	 3:		
This crossing will remain i	n place indefinetly.		
Crossi	ing Structure:		Crossing Lifespan:
	Preferred	Alternate	Temporary Crossing:
Ice Bridge Portable Bridge	\vdash	H	to
Rail Car Bridge	\vdash	H	Permanent Crossing: X
Timber Bridge	H	H	Proposed Install Date: 01 July,2022
Snow and Ice Xing	H	H	
Arch Culvert	H	Н	Crossing Duration: Years
Round Culvert	X		Remove after Renewal Activities:
Installation & Removal N	lotes:		
A minimum 3 foot culvert	is required.		

PROPOSED CROSSING RTW-13342701-C2





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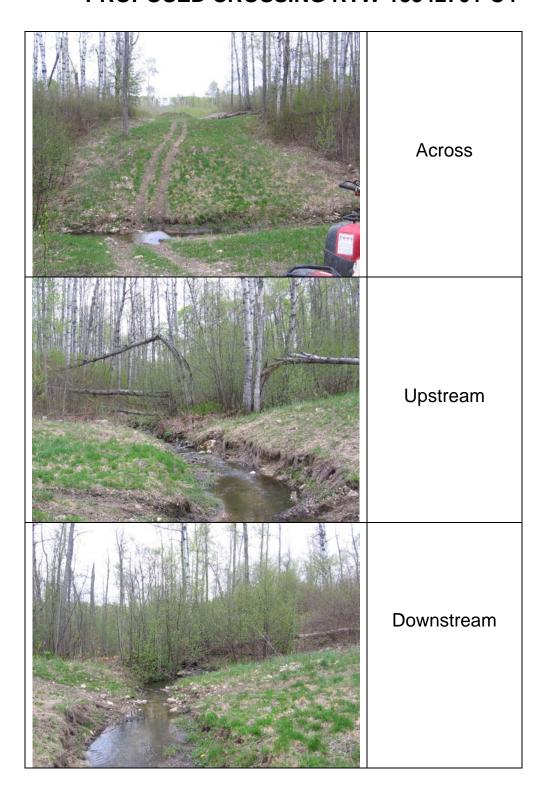
Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

FML 3 2023 - Proposed Crossings

Crossing Name: RTW-13342701-C4	Ownership: Bresky
Operating Area: Route W	Contingency Crossing:
UTM Northing: 5754413	UTM Easting: 350361
Stream Type: Seasonal	Land Description: NW13-34-27W
Watercourse Name: N/A	Crossing Inspection Date: 20-May-2008
Channel Width (m): .50	Stream Assessment Required:
Water Depth (m): .20	Stream Assessment Complete:
Road Name: RTW-2B	
te Description:	
This proposed crossing is located on a previous crossing that had been successfully regenerated to grass. The substrate is composed of gravel, observed. No fish observed on site.	
eneral Considerations:	
Quota holder will be provided with DFO Operational Statement for Clear	- Casa Dridana
	r Span Bridges.
Crossing Structure:	Crossing Lifespan:
Crossing Structure: Preferred Alternate	Crossing Lifespan: Temporary Crossing:
Crossing Structure: Preferred Alternate Ice Bridge	Crossing Lifespan:
Crossing Structure: Preferred Alternate Ice Bridge Portable Bridge	Crossing Lifespan: Temporary Crossing:
Crossing Structure: Preferred Alternate Ice Bridge	Crossing Lifespan: Temporary Crossing:
Crossing Structure: Preferred Alternate Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing	Crossing Lifespan: Temporary Crossing: to Permanent Crossing: Proposed Install Date: 01 July,2023
Crossing Structure: Preferred Alternate Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert	Crossing Lifespan: Temporary Crossing: to Permanent Crossing: Proposed Install Date: Crossing Duration: 2 Years
Crossing Structure: Preferred Alternate Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing	Crossing Lifespan: Temporary Crossing: to Permanent Crossing: Proposed Install Date: 01 July,2023
Crossing Structure: Preferred Alternate Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert	Crossing Lifespan: Temporary Crossing: to Permanent Crossing: Proposed Install Date: Crossing Duration: 2 Years
Crossing Structure: Preferred Alternate	Crossing Lifespan: Temporary Crossing: to Permanent Crossing: Proposed Install Date: Crossing Duration: 2 Years
Crossing Structure: Preferred Alternate Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert tallation & Removal Notes:	Crossing Lifespan: Temporary Crossing: to Permanent Crossing: Proposed Install Date: Crossing Duration: 2 Years
Crossing Structure: Preferred Alternate Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert A minimum 45 foot bridge is required. A minimum 45 ft portable bridge required.	Crossing Lifespan: Temporary Crossing: to Permanent Crossing: Proposed Install Date: Crossing Duration: Remove after Renewal Activities: Proposed Install Date: Ins

PROPOSED CROSSING RTW-13342701-C4





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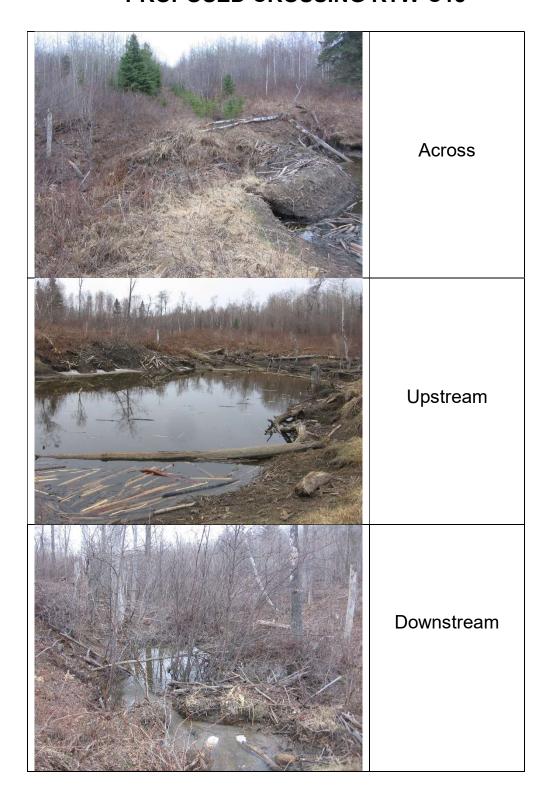
Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

FML 3 2023 - Proposed Crossings

Crossing Name: RTW-C18	Ownership: Presky							
Crossing Name. RTW-C16	Ownership: Breskv							
Operating Area: Route W	Contingency Crossing:							
UTM Northing: 5754520	UTM Easting: 352038							
Stream Type: Seasonal	Land Description: NW18-34-26W							
Watercourse Name: N/A	Crossing Inspection Date: 01-May-2020							
Channel Width (m): 1.0	Stream Assessment Required:							
Water Depth (m): 0.20	Stream Assessment Complete:							
Road Name: RTW-2C								
Site Description:								
Crossing is on an old inblock harvest road. Beaver dam on small stream. Dam ha install culvert. Substrate is silt and sand.	as been opened and is no longer functional. Remove dam and							
General Considerations:								
Bresky will follow DFO Operational Statement for temporary crossings.								
Crossing Structure:	Crossing Lifespan:							
Preferred Alternate	Temporary Crossing:							
I Ice Bridge	01 September,2023 to 01 July,2024							
Portable Bridge	01 September,2023 to 01 July,2024							
Rail Car Bridge	Permanent Crossing:							
Timber Bridge	Proposed Install Date:							
Snow and Ice Xing								
Arch Culvert	Crossing Duration: Years							
Round Culvert X	Remove after Renewal Activities:							
Installation & Removal Notes:								
If a snow/ice crossing is used after harvest is completed the surface of the snow constructed to allow for flow during the spring melt. The snow and ice crossing w	· · · · · · · · · · · · · · · · · · ·							
A minimum 18 inch culvert is required.								
After harvest is completed the culvert will be removed and the road approaches we	will be recontoured to a near natural slope. If required the area							
will be seeded with grass and erosion control matting or straw mulch will be used								

PROPOSED CROSSING RTW-C18



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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: RTW-034 Twp & Rge: t34r26w Cut Block Size: 88.7 ha **OPERATING AREA: Route W** Ownership: Open Crown Mapsheet: 350575 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 11,969 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 1,862 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ Wetlands/floods located on the E side. Structure will be maintained. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 709 to 1,064 trees. **SEVERE EROSION RISK POTENTIAL:** x **HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area. Maintain Snowman Trail that goes through the block free of debris. Sign trail if harvest occuring in winter.

FML 3 2023 - Contingency

				RE	NEWA	AL PR	RESCRIPT	TION INF	ORMATIO	N						
	VAL STRA	TEGY BY	SPECIES			SITI EF. A	E PREPAR	ATIONS			IOW CA	CHE:				
Species TA BA WB WS BS JP BF	Siteprep Summary						DRAG MOUND TRENCH WINTER RIPPER AREA PLANT					RENEWAL ACCESS ATV HELICOPTER TRUCK				
	Sir	tenren Sum	marv				Р	lanting Sun	nmarv		1 Г	Survey S	ummarv			
Year				Alternate		Year	Season	Species	Density	Total	1	Туре	Series	Year		
											JL	Reforestation	First	2028		
RENEWAL		INTERN	NAL REVIE		ESCRI	IPTIO	N REVIE		IITIGATIO TERNAL R	EVIEW						
		x w	LANNING ILDLIFE						4	ED TO IRM CONCERN		GATED				
IDMT 0			LVICULTUR	E										Balai		
IRMT Concer	ns and Com	ments:					Mitigat	on Strategy:						Mitigate		

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: RTW-036 Twp & Rge: t34r27w Cut Block Size: 38.7 ha **OPERATING AREA: Route W** Ownership: Open Crown Mapsheet: 350575 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution TA 0% 0 0 ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 5,227 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 813 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ Wetland/floods located on the S, N and NW sides. Structure will be maintained. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 310 to 465 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area. Maintain Snowman Trail that runs along the E side of block free of debris. Route W

FML 3 2023 - Contingency

				RE	NEWA	AL PR	RESCRIPT	TION INF	ORMATIO	N						
	VAL STRA	TEGY BY	SPECIES			SITI EF. A	E PREPAR	ATIONS			IOW CA	CHE:				
Species TA BA WB WS BS JP BF	Siteprep Summary						DRAG MOUND TRENCH WINTER RIPPER AREA PLANT					RENEWAL ACCESS ATV HELICOPTER TRUCK				
	Sir	tenren Sum	marv				Р	lanting Sun	nmarv		1 Г	Survey S	ummarv			
Year				Alternate		Year	Season	Species	Density	Total	1	Туре	Series	Year		
											JL	Reforestation	First	2028		
RENEWAL		INTERN	NAL REVIE		ESCRI	IPTIO	N REVIE		IITIGATIO TERNAL R	EVIEW						
		x w	LANNING ILDLIFE						4	ED TO IRM CONCERN		GATED				
IDMT 0			LVICULTUR	E										Balai		
IRMT Concer	ns and Com	ments:					Mitigat	on Strategy:						Mitigate		

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: RTW-041 Twp & Rge: t34r26w Cut Block Size: 25.9 ha **OPERATING AREA: Route W** Ownership: Open Crown Mapsheet: 350575 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution TA 0% 0 0 ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 3,494 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 543 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS Wetland MFZ Located on the NW side. Structure will be maintained. Harvest as shown on map. 100 Stream Located along the E side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 207 to 311 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area. Maintain Snowman Trail that runs along the W side of block free of debris. Route W



FML 3 2023 - Contingency

				RE	NEWA	AL PR	RESCRIPT	TION INF	ORMATIO	N						
	VAL STRA	TEGY BY	SPECIES			SITI EF. A	E PREPAR	ATIONS			IOW CA	CHE:				
Species TA BA WB WS BS JP BF	Siteprep Summary						DRAG MOUND TRENCH WINTER RIPPER AREA PLANT					RENEWAL ACCESS ATV HELICOPTER TRUCK				
	Sir	tenren Sum	marv				Р	lanting Sun	nmarv		1 Г	Survey S	ummarv			
Year				Alternate		Year	Season	Species	Density	Total	1	Туре	Series	Year		
											JL	Reforestation	First	2028		
RENEWAL		INTERN	NAL REVIE		ESCRI	IPTIO	N REVIE		IITIGATIO TERNAL R	EVIEW						
		x w	LANNING ILDLIFE						4	ED TO IRM CONCERN		GATED				
IDMT 0			LVICULTUR	E										Balai		
IRMT Concer	ns and Com	ments:					Mitigat	on Strategy:						Mitigate		



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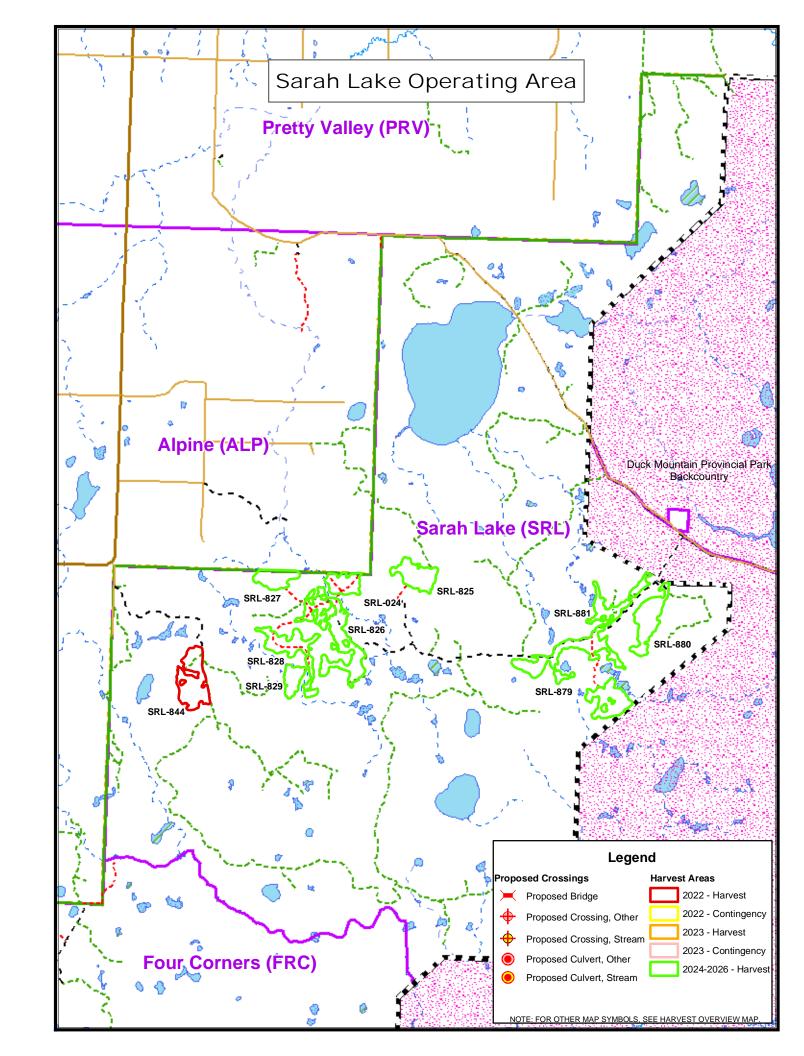
Integrated Operations by Operating Area

Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

Sarah Lake **FMU 13**

SRL-844	48.23 Hectares	•	2022 Harvest
HW Allocation	7,152 m3	Quota Holder/LP	
SW Allocation	1,304 m3	SPL	



Roads Sarah Lake

S	SRL-01 t	o 05 (exist	ting)		Additio		d Develo	pment	
Road D	evelopn	nent:					Sarah La	ake Roa	ad up to the intersection to TEL-845 and 846.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespan of Road (yrs)					
24.6	20	8	All season	50					
Road De	eactivati	ion:	;	π <u>Ω</u> _			<u>s</u>		
Road Clo Responsi			9	and Debris Crossing	Earth Berm Slash	Gate	Site Prep	None	Additional Road Closure Comments
SPL/Riehl	I	Post-Ha Post-Rei				✓		V	This is an existing road and will remain open. There is a gate at the start of the road which is closed in the spring.
SRL-4A and 4B (existing)				Additio		d Develo	pment		
Road D	evelopn	<u>nent:</u>			This roa	d acces	ses block	SRL-8	344. This is old designated Route T.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespan of Road (yrs)					
2.8	20	8	Dry/Frozen	50					
Road De	eactivati	ion:	;	ა ე _	"		S		
Road Clo Responsi			9	and Debris Crossing	Earth Berm Slash	Gate	Site Prep	None	Additional Road Closure Comments
Quota Hol	lder	Post-Ha Post-Rei		Y	Y				This road has been decomissioned in a number of locations. The first 300 meters of the road is one area which has been closed. The existing berm will be replaced after each year. The current access control measures are very aggressive and would be too difficult for the quota holder to reestablish. Debris will be spread where available along the road. The operator will be using this road for a number of years. The road is also decomissioned just past the

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 Cut Block Size: 48.2 ha Cut Block Name: SRL-844 Twp & Rge: t32r28w **OPERATING AREA: Sarah Lake** Ownership: Open Crown Mapsheet: 330573 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Understory Stems/ha and Distribution 20.6 30 81% 150 7,226 TA ws BS ВF ВА 33 200 20.0 270 Uniform **WB** 16.0 24 1% 2 103 Total HW 85% 156 7,529 **Eco Land Classification Soils Summary** WS 16.9 33 1,372 15% 28 1st 2nd 3rd BS 0% LFH(cm) Moisture 0 S-Type Surface Texture 0 JP 0% 0 0 05 13 V Type 08 Silt Loam 09 **S5** BF 0% 0 0 **Eco Site** 34 Total SW 15% 1,372 28 **Block Total:** 185 8,901 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Quota Holder/LP HARDWOOD VOLUME (m3): 7,152 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 1,304 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ Flood Located on S side. Structure will be maintained. Harvest as shown on map. Flood MFZ Located in center of block. Harvest as shown on map. 30-50 Stream Located along the W side. Variable 30 to 50m buffer. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 386 to 579 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** This block should provide 5 to 7 years of quota volume for quota holder. Maintain some juvenile WS in patches for renewal purposes.

Sarah Lake

FML 3 2022 - Harvest

				RE	INEV	VAL PR	KESCR	PTION INF	ORMATIC	N				
RENEWA	RENEWAL STRATEGY BY SPECIES SITE PREPARATIONS					;	SNOW C	ACHE:						
Species	Natural	Advanced	Assisted		1	PREF. A	LT.			1	RENEWA	AL COVERTYPE: H		
TA BA WB WS BS JP BF	x x x	x					TRI	AG UND ENCH ITER RIPPER EA PLANT	₹	1	RENEW	AL ACCESS ATV HELICOPTER TRUCK		
	Si	teprep Sum	nmarv		1 [Planting Su	mmary		ΠГ	Survey Su	mmarv	
Year		ction	Area (ha)	Alternate	l l	Year	Seas			Total	╛	Type	Series	Year
					1 1						╛╏	Reforestation	First	2027
Area of WS understory >500 stems/ha and <6m in height is located in the E portion of the block (plot 14). Clumps of understory will be protected in patches.														
					ESC	RIPTIO	N REV	IEW AND I						
		INTERN	NAL REVIEW					E	XTERNAL F	REVIEW				
		x w	ANNING ILDLIFE LVICULTURE)	_	TED TO IRI				
RMT Concerns	s and Com	ments:					Mit	gation Strategy	<i>r</i> :					Mitigate
Block not to be left open for more than one year. Retain some mature WS in patches for seed trees to maintain WS% in renewal. Quota holder mentioned has sold quota. Remove name from prescription.		%	co ac In ye	mplete in one cess control n	year. If QH uneasures will be left big sailo	nable to co be implement ors that have	omplete ir ented. e blown o	capacity and unable to n one year, temporary over. We'll leave 20-40 I source.		x x				
							arah Lake -							—



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Integrated Operations by Operating Area

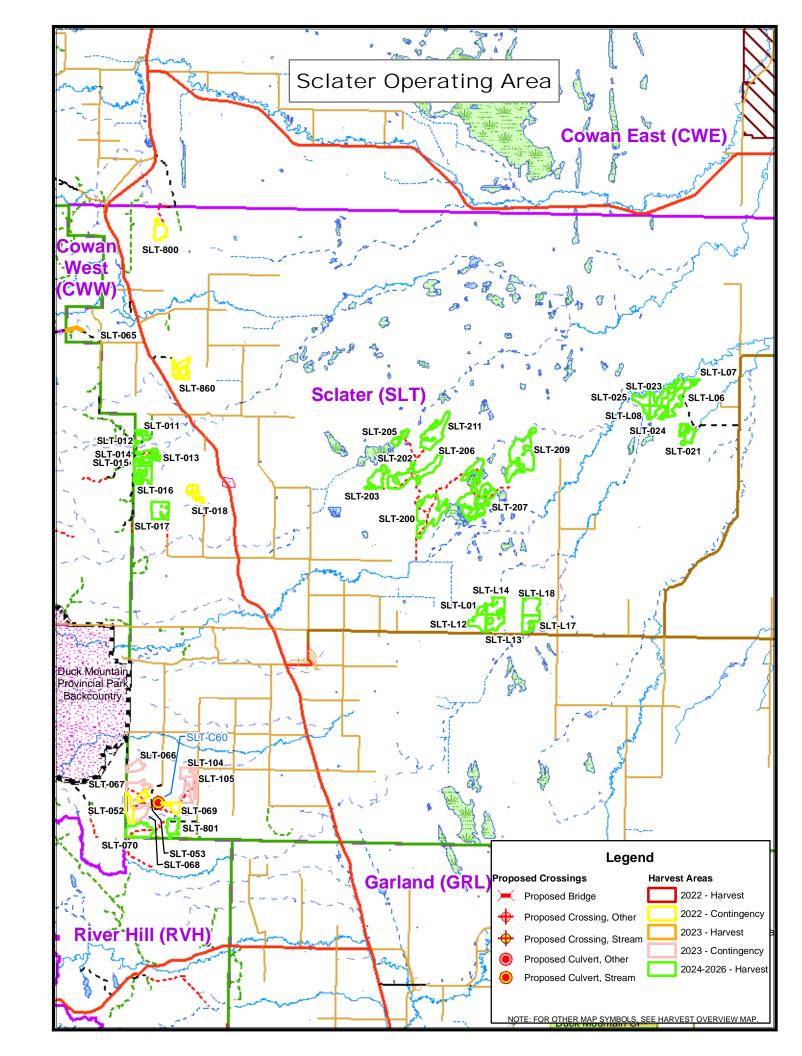
Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

Sclater FMU 11

			Colut
SLT-018	24.94 Hectares		2022 Contingency
HW Allocation	3,737 m3	LP	
SW Allocation	0 m3	SPL	
SLT-052	32.19 Hectares		2022 Contingency
HW Allocation	4,051 m3	LP	
SW Allocation	1,617 m3	SPL	
SLT-053	14.92 Hectares		2022 Contingency
HW Allocation	2,466 m3	LP	
SW Allocation	896 m3	SPL	
SLT-065	7.57 Hectares		2023 Harvest
HW Allocation	850 m3	LP	
SW Allocation	371 m3	SPL	
SLT-066	27.97 Hectares		2023 Contingency
HW Allocation	4,196 m3	LP	
SW Allocation	0 m3	SPL	
SLT-067	59.41 Hectares		2023 Contingency
HW Allocation	8,912 m3	LP	
SW Allocation	0 m3	SPL	
SLT-068	34.49 Hectares		2023 Contingency
HW Allocation	5,174 m3	LP	
SW Allocation	0 m3	SPL	
SLT-069	23.69 Hectares		2022 Contingency
HW Allocation	3,518 m3	LP	
SW Allocation	42 m3	SPL	
SLT-104	34.20 Hectares		2023 Contingency
HW Allocation	5,130 m3	LP	
SW Allocation	0 m3	SPL	
SLT-105	36.14 Hectares		2023 Contingency
HW Allocation	4,196 m3	LP	
SW Allocation	0 m3	SPL	
SLT-800	36.09 Hectares		2022 Contingency
HW Allocation	355 m3	LP	
SW Allocation	4,126 m3	SPL	
SLT-860	41.23 Hectares		2022 Contingency
HW Allocation	1,333 m3	LP	
SW Allocation	1,879 m3	SPL	

FML 3	2022 - 2024	OP



Mitigation Comments

General

Operating Area/ Mitigation Year	Concern	Manitoba	Action/Response
Sclater	Access Control	Where ATV access is to be left for renewal purposes, only one central access may be retained. No in block spur roads are to be left. A limited number of strategically distributed helicopter landing areas may be left on roads and landings. Access to be closed following completion of planting activities by no later than July 31, unless separate approval is applied for.	Agreed. Will determine on a site by site basis.

Site Specific

Block	Concern	Manitoba	Action/Response
SLT-065	Access Control	Minimal access to be left for planting. See Operating Area General Comment about planting access.	Agreed.
SLT-052	Age of Mitigation	Last mitigated 2014. Will revisit mitigation at permit time.	
SLT-053	Age of Mitigation	Last mitigated 2014. Will revisit mitigation at permit time.	
SLT-069	Age of Mitigation	Last mitigated 2014. Will revisit mitigation at permit time.	
SLT-860	Age of Mitigation	Last mitigated 2014. Will revisit mitigation at permit time.	
SLT-066, SLT-06 SLT-068, SLT-10 SLT-105	•	Will mitigate after survey.	
SLT-018, SLT-80	0 No concerns	Blocks were mitigated less than five years ago.	

Roads Sclater

SLT-11A and 11B (existing)					Additional Road Development Comments These roads are part of the access to SLT-052, 053, 066 to 069 and VMR-0					
Road Development:		_								
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	fespan f Road (yrs)	They were originally built in 2007.				
2.3	20	8	Dry/Frozen		10					
Road Deactivation:				ဥ	ο σ	m M	_	Sit	-	
Road Clos Responsi			Kemoval	Crossing	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer		<u> </u>	V					These roads will be closed with slash and debris after harvest but ATV access for planting in blocks SLT-052 and 053 will be maintained. Crossing SLT-C60 will also be removed after renewal activities.
SLT-11A-1A Additional Road Development										
Road De	evelopn	nent:		_		Commer This road		ses block	SLT-0	69. This access is an old in block road which will
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	fespan f Road (yrs)	-			,	be required if the landowner to the east of the land use the existing trail.
0.7	20	8	Dry/Frozen		1					
Road Deactivation:										
Road Clos Responsi			Kemoval	Crossing	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha	-	7	V					This road will be closed with slash and debris
		Post-Rer	iewai _	_						after harvest.
SLT-11C Additional Road Development										
Comments Road Development: This road accesses SLT-053, 067 and VMR-005 and is part of the access to SLT-								87 and VMR-005 and is part of the access to SLT-		
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	fespan f Road (yrs)	052.	u 40003.	303 021-	000, 00	and viving-ood and is part of the access to GET-
0.2	20	8	Dry/Frozen		10					
Road Deactivation:										
Road Clos Responsi			Kemoval	Crossing	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer	<u> </u>		✓					This road will be closed with slash and debris after harvest but ATV access for planting in blocks SLT-052 and 053 will be maintained.

SLT-11C-1A Additional Road Development Comments Road Development: This road accesses block SLT-052. Road **ROW** Season of Lifespan Road Length Width **Surface** Use of Road (km) (m) Width (m) (yrs) 0.6 20 8 Dry/Frozen 1 Road Deactivation: Site Prep **Additional Road Closure Road Closure** Comments Responsibility Post-Harvest LP This road will be closed with slash and debris Post-Renewal after harvest but ATV access for planting in block SLT-052 will be maintained. **Additional Road Development** SLT-12A Comments Road Development: This road accesses block SLT-018. The road location may be changed to cross the private land south of the block. ROW Road Road Season of Lifespan Length Width **Surface** Use of Road Width (m) (km) (m) (yrs) 1.2 15 6 Frozen 1 Road Deactivation: Site Prep Slash and Debris Earth Berm None **Additional Road Closure Road Closure** Comments Responsibility Post-Harvest LP The first 100m of this road will be closed with Post-Renewal debris. ATV access is required for surveys. SLT-21A Additional Road Development Comments Road Development: This road accesses blocks SLT-104 and 105. It may also access block SLT-069 if access from the west is not used. Road ROW Road Season of Lifespan Width Surface Use of Road Length (km) (m) Width (m) (yrs) 1.8 20 8 Dry/Frozen 1 Road Deactivation: Crossing Removal Site Prep Slash and **Additional Road Closure Road Closure** Comments Responsibility **Post-Harvest** LP Road is existing up to block SLT-105 and will Post-Renewal remain open. Road will be closed in block SLT-105 at selected locations. **SLT-21A-1A** Additional Road Development Comments **Road Development:** This road accesses block SLT-104. **ROW** Road Road Season of Lifespan Length Width Surface of Road Use (km) (m) Width (m) (yrs)

Dry/Frozen

1

8

0.9

20

Road De	activati	on:		교오	п "	_ =		<u>s</u>	_	
Road Clos Responsil				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer			Y					This road will be closed with slash and debris where available.
SL	.T-4A an	ıd 4B (exis	sting)			Additior Comme		d Develo	pment	
Road De	evelopn	nent:				These ro	ads acc			-301 and are part of the access to block SLT-800.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use		fespan f Road (yrs)	These robed.	oads we	re last us	ed in 20	017. Part of these roads are on the old railroad
2.8	20	8	Dry/Frozen		50					
Road De Road Clos Responsil	sure	<u>on:</u>		Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer							V	These are existing roads which will remain open.
	SLT-4	C (existing	g)			Addition Comme		d Develo	pment	
Road De	evelopn	nent:						of the ac	cess to	SLT-800. This road was built in 2017.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	0	fespan f Road (yrs)					
0.4	20	8	Dry/Frozen		1					
Road De	activati	on:		교오	D (0			S	_	
Road Clos Responsil				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
SPL		Post-Ha Post-Rer			\					This road will be closed after renewal activites are complete. ATV access will be required for tree planting.
	S	LT-4D						d Develo	pment	
Road De	evelopn	nent:				Comme This road		s block S	LT-800	. This road follows the in block road from the
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	0	fespan f Road (yrs)	2017 hai	rvest of	blocks SI	_T-006	to 008.
1.5	20	8	Dry/Frozen		1					
Road De	activati	on:		ᄝᇲ	ο σ	m m	_	Sit	-	
Road Clos Responsil				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
SPL		Post-Ha Post-Rer			✓					This road will be closed after renewal activites are complete. ATV access will be required for tree planting.

	SLT-7A (existing) Road Development:					Addition Comme		d Develo	opment	t
Road D	evelopr	<u>nent:</u>				This roa	d is part	of the a	ccess to	o blocks SLT-860. This road is on private land.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season o		fespan f Road (yrs)					
1.1	15	6	Frozen		50					
Road Clo Responsi	sure	<u>ion:</u>		Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
SPL		Post-Ha Post-Re							✓	This is an existing trail which will remain open. It is a winter road which will melt restricting access.



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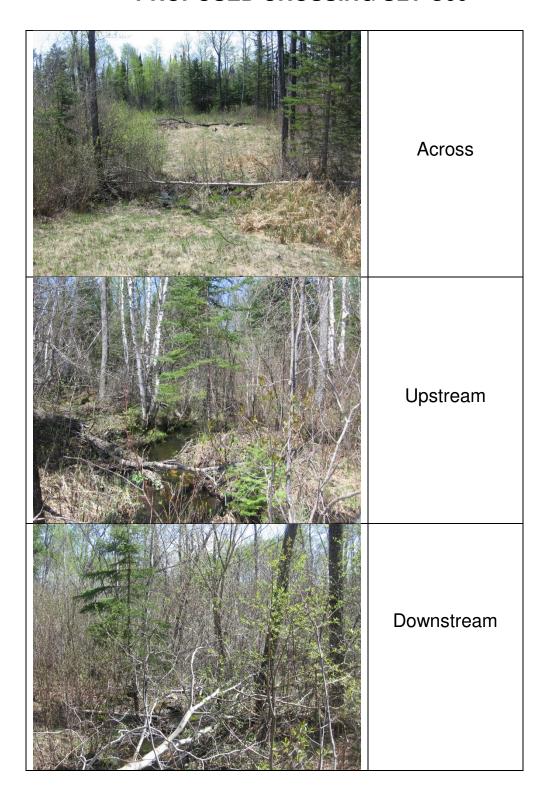
Swan River, MB, R0L 12 Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

FML 3 2022 - Proposed Crossings

Crossing Name: SLT-C60	Ownership: LP/Quota Holder
Operating Area: Sclater	Contingency Crossing:
UTM Northing: 5731777	UTM Easting: 387381
Stream Type: Seasonal	Land Description: NE3-32-23W
Watercourse Name: N/A	Crossing Inspection Date: 28-May-2014
Channel Width (m): 1.5	Stream Assessment Required:
Water Depth (m): 0.20	Stream Assessment Complete:
Road Name: SLT-11A	
Site Description:	
Old crossing location used in 2007. Small seasonal stream with rock, gravel and s crossing will remain in place if a quota holder is transferred to some of the blocks harvested by a quota holder.	
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Preferred Alternate	Temporary Crossing:
Ice Bridge	to
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date: 01 September,2022
Snow and Ice Xing	No. of the Control of
Arch Culvert	
Round Culvert X	Remove after Renewal Activities:
Installation & Removal Notes:	
Minimum 24 inch culvert required.	
After harvest and/or renewal has been completed the round culvert will be remove natural slope. The area may be seeded with grass and if required erosion control site.	

PROPOSED CROSSING SLT-C60



PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Cut Block Name: SLT-018 Twp & Rge: t33r23w Cut Block Size: 24.9 ha **OPERATING AREA: Sclater** Ownership: Open Crown Mapsheet: 380574 LICENCE: FML 3 Management Unit: 11 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Ht (m) Vol % Avg Age (yr) Understory Stems/ha and Distribution 82% 129 3,224 TA 17.7 17 ws BS ВF 23 18% 28 710 BA 17.8 **WB** 0% 0 0 Total HW 100% 158 3,934 **Eco Land Classification Soils Summary** WS 0 1st 2nd 3rd BS 0% LFH(cm) 0 0 S-Type Moisture **Surface Texture** JP 0% 0 0 01 V Type 05 06 Sandy Clay Loam **S5** BF 0% 0 0 **Eco Site** 32 Total SW 0% 0 0 **Block Total:** 158 3,934 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 3,737 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 0 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ Located in SE corner. Structure will be maintained. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 200 to 299 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Block has been edited due to loss of timber from flooding Pink Lady Slipper's found near plot 5 in the E portion of the block. This block is on NE23-33-23 which is coded 4a. Ensure west, east and south boundaries do not encroach on private land located on the west, east and south sides.

	RE	N								
RENEWAL STRATEGY BY SPECIES		SITE	PREPARA	ATIONS		SN	OW CA	ACHE:		
Species Natural Advanced Assisted		PREF. ALT				RE	NEWA	L COVERTYPE: H		
TA X BA X WB WS BS			DRAG MOUND TRENCI WINTER AREA P	H R RIPPER		RE	ENEW#	AL ACCESS ATV HELICOPTER TRUCK		
JP BF										
Siteprep Summary			Pla	anting Sun	nmary] [Survey Sur	nmary	
Year Action Area (h	a) Alternate	Year	Season	Species	Density	Total] [Туре	Series	Year
							J L	Reforestation	First	2027
INTERNAL REVI		ESCRIPTION	REVIEV		IITIGATIO TERNAL R					
X PLANNING				x	4	ED TO IRMT				
X WILDLIFE X SILVICULTU	RE			х	J ALL IRM	CONCERNS	s MITIC	∌A I E D		
IRMT Concerns and Comments:			Mitigatio	on Strategy:						Mitigate
What is linear feature in NW? Possible LOS trees. Discuss harvest of adjacent BS for PFP quinter MFZ on wetland in SE corner.	•	venile	Unsure	e what that	is. Possibili	ty of LOS to be		rmined at time of harve	st.	x x x

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Cut Block Name: SLT-052 Twp & Rge: t32r23w Cut Block Size: 32.2 ha **OPERATING AREA: Sclater** Ownership: Open Crown Mapsheet: 380573 LICENCE: FML 3 Management Unit: 11 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Ht (m) Vol % Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 18% 33 1,047 TA 17.3 ws BS ВF 23 10% 19 BA 16.7 623 29 800 **WB** 15.6 20 43% 81 2,595 Clumped Uniform Total HW 71% 132 4,265 **Eco Land Classification Soils Summary** WS 22.7 31 311 5% 10 1st 2nd 3rd BS 0% LFH(cm) Moisture 0 S-Type Surface Texture 0 JP 17.8 29 1% 32 05 V Type 04 13 05 Silty Clay **S6** BF 14.4 20 23% 42 1,359 **Eco Site** 06 S5 2 Clay Loam Total SW 29% 1,702 53 **Block Total:** 5,967 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 4,051 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 1,617 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION FROZEN** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Located on W side. Harvest as shown on map Stream 100 Stream Located on S side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 258 to 386 trees. **SEVERE EROSION RISK POTENTIAL:** x **HARVEST COMMENTS/ISSUES:** Beaked hazel, rose and fireweed are present in the block. This block has moderately hilly topography. This block is located on the W1/2 03 and the SW10-32-23 which is coded A/C. Keep equipment and debris out of old harvest area located on the E side of block.

PRE-HARVEST CUT BLOCK PRESCRIPTION

			RE	NEWAL PRE	SCRIPT	ION INF	ORMATION	١				
RENEW	VAL STRATEGY	BY SPECIES		SITE	PREPAR.	ATIONS		SNC	W CA	ACHE:		
Species	Natural Advan	ced Assisted		PREF. ALT	г.			REN	IEWAI	L COVERTYPE: N		
TA	x	1 Д		HH	DRAG			REN	NEW/	AL ACCESS		
BA	X	 		HH	MOUNE							
WB WS	X X	 		HH	TRENC	n R RIPPER			×	ATV HELICOPTER		
BS	ΗÊ	X		X H	AREA F				Н	TRUCK		
JP	x	1 H		ں ت					ш			
BF		1 🖯										
	Sitenren	Summary			DI	anting Sun	nmarı/		Г	Survey Sum	ımarv	
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	\vdash	Туре	Series	Year
				2023	Sp	WS	1400	9720		Plantation Survival	First	2024
	•	•		<u> </u>			<u> </u>			Reforestation	First	2033
RENEWAL	COMMENTS/IS	SUES:										
l	road closure to acc			d upon by MFSF	RC and the	supervisin	g officer.					
	all roads to the blo											
	f BF understory >5 ed with concentrate				phout the b	lock (Plots	2, 6, 8, 9, 12,	15, 16, 17 ar	nd 18).	. These areas will be		
nai veste	ed with concentrate	ed clumps of Bribe	sing maintained									
			DD	ESCRIPTION	DEVIEV	N AND M	UTICATION	J				
	INT	ERNAL REVIEV		LOCKIF HON	IXEVILV		TERNAL RE					
	INI	1	Y				_					
	X	PLANNING				x	-	ED TO IRMT				
	X	WILDLIFE				x	ALL IRMT	CONCERNS	MITIC	GATED		
IBMT Concer	X rns and Comments:	SILVICULTURE			Misimosi	Ctt						Mitigated
IKWI Concer	nis and Comments.				Willigatio	on Strategy:						
	dropping blocks d		t or use quota h	nolder.			holder to harv					x
Full road	rehab following re	newal.			Can be	e used as r	efill area if su	fficient seedlir	ng sup	pply.		х
Long tern	n leave area betwe	een 052 and VMR-	007?		Will lik	ely be a lor	ng term leave					х
Remove	Tembec from alloc	ation.			Agree	d.						х
					1							
					1							
					1							
					1							
					1							
					1							

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Cut Block Size: 14.9 ha Cut Block Name: SLT-053 Twp & Rge: t32r23w **OPERATING AREA: Sclater** Ownership: Open Crown Mapsheet: 380573 LICENCE: FML 3 Management Unit: 11 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Vol % m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Understory Stems/ha and Distribution 18.3 27 43% 102 1,528 TA ws BS ВF ВА 0% 0 0 Uniform 200 300 **WB** 14.9 21 30% 72 1,067 Clumped Total HW 73% 174 2,595 **Eco Land Classification Soils Summary** WS 16.5 32 304 20 1st 2nd 3rd BS 0% LFH(cm) S-Type Moisture 0 Surface Texture 0 JP 0% 0 n 08 V Type 05 BF 14.3 18 18% 43 639 **Eco Site** Total SW 27% 63 943 **Block Total:** 237 3,538 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 2,466 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 896 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE **SALVAGE** PATCH RETENTION WHOLE TREE TOP AT STUMP **DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 119 to 179 trees. **SEVERE EROSION RISK POTENTIAL:** x **HARVEST COMMENTS/ISSUES:** Beaked hazel, rose and raspberry are present in the block This block has relatively flat topography. This block is located on the S1/2 10-32-23 which is coded A/C. Trees will be left along old fence line running north and south. Keep equipment and debris out of old harvest area located on the S side of the block.

			RE	ENEWAL PRE	ESCRIPT	ION INF	ORMATIO	N				
RENEV	VAL STRATEGY	BY SPECIES		SITE	PREPAR	ATIONS		SNC	W CA	ACHE:		
Species	Natural Advan	ced Assisted		PREF. AL	т.			REN	EWA	L COVERTYPE: N		
TA	x			\sqcup	DRAG	_		REN	IEW.	AL ACCESS		
BA		 		$H \vdash$	MOUNI				$\overline{}$			
WB WS	X X	 		$H \vdash$	TRENC	л R RIPPER			×	ATV HELICOPTER		
BS	ΗÊ	 		x	AREA F				H	TRUCK		
JP		1 🖯							ш			
BF] 🗇										
	Sitenren	Summary		1	DI	anting Sur	mman/	1	Г	Survey Sun	nmary	
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	-	Туре	Series	Year
		, , ,		2023	Sp	WS	1400	8280		Plantation Survival	First	2024
	•	•		J [Reforestation	First	2033
RENEWAL	COMMENTS/IS	SUES:									•	
l	d regeneration may		_	· · · · · · · · · · · · · · · · · · ·								
Road cl	osure to accommo	date ATV access a	as agreed upor	n by MFSRC and	the super	vising office	er.					
	BF understory >50 of BF being mainta		6m in height is	located in the N	end of the	block (Plot	5). This area	will be harves	ted w	vith concentrated		
			6m in height is	s located in the c	entral porti	on of the bl	ock (plot 1). (Clumps of und	erstor	ry will be protected in		
patches							, ,	•				
			PR	RESCRIPTION	N REVIEV	W AND M	IITIGATIOI	N				
	INT	ERNAL REVIEW					TERNAL RI					
		PLANNING	-			_	-					
	X	WILDLIFE				X	-1	ED TO IRMT				
	x	SILVICULTURE				X	ALL IRIVIT	CONCERNS	MITT	SATED		
IRMT Conce	rns and Comments:				Mitigati	on Strategy:						Mitigated
Consider	dropping blocks d	ue to birch content	t or use quota	holder	May a	et an intere	eted quota be	older to harves	et and	l/or declare WB for		
Consider	dropping blocks d	ue to birch conten	t or use quota	noider.	thems		esteu quota no	older to flarves	st and	i/or deciare WB for		x
Identify s	softwood strata for p	olanting-provide m	ар.				cker concentr	ations of softw	ood o	on N and S end. Will		х
Full road	rehab following re	newal.			asses: Can b		efill area if su	ifficient seedlir	na sur	oply.		х
1	Tembec from alloc				Agree							X
1	all mature BF				Agree							X
					3.10							
1					1							- 1

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Size: 7.6 ha Cut Block Name: SLT-065 Twp & Rge: t34r23w **OPERATING AREA: Sclater** Ownership: Open Crown Mapsheet: 380575 LICENCE: FML 3 Management Unit: 11 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution TA 18.8 28 45% 77 584 ws BS ВF ВА 27 16% 28 211 17 1 3400 Uniform **WB** 18.0 24 8% 13 100 Total HW 70% 118 895 **Eco Land Classification Soils Summary** WS 21.0 39 29 219 1st 2nd 3rd BS 0% 0 LFH(cm) Moisture S-Type Surface Texture 0 JP 0% 0 0 08 V Type 05 06 Loam **S5** BF 13.5 24 13% 23 172 **Eco Site** 32 Total SW 30% 391 52 **Block Total:** 170 1,286 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 850 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 371 HARVEST/SILVICULTURE SYSTEM HARVEST SEASON **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 61 to 91 trees. **SEVERE EROSION RISK POTENTIAL:** x **HARVEST COMMENTS/ISSUES:** Maintain structure along IBWC which flows along old road. Almost half of the softwood volume is BF. Most of this will be left if no market is available.

FML 3 2023 - Harvest

ILDING SOLUT	Fax:	204-734	1-3646											
				RE	NEW.	AL PR	ESCRIP	TION INFO	ORMATIO	N				
RENEW Species TA BA WB WS BS JP	VAL STRATE		SPECIES Assisted X		PR		DRAG MOUN TRENG	RATIONS		SI RI		ACHE: NL COVERTYPE: N AL ACCESS ATV HELICOPTER TRUCK		
	<u> </u>				1 —						- r			
Year	Sitep	rep Sum	Area (ha)	Alternate	ł ⊢	Year	1	lanting Sun		Total	┨┞	Survey Su Type	Series	Year
Tear	Acti	OII	Area (IIa)	Alternate	∙ ⊢	2023	Season Sp	Species WS	Density 1600	Total 4320	┧┟	Plantation Survival	First	2024
					, <u> </u>				1000	1020	٦ <u>۲</u>	Regeneration	First	2033
				PR	ESCR	IPTIO	N REVIE	W AND M	ITIGATIO	N				
		X PL	IAL REVIEW ANNING ILDLIFE LVICULTURE					X X	4	EVIEW ED TO IRM CONCERN				
IRMT Concert	ns and Comme	nts:					Mitigat	ion Strategy:						Mitigated
Minimal a comments		eft for plar	nting. See ope	rating area ge	eneral		Agree	ed.						x

Sclater - SLT-065

PRE-HARVEST CUT BLOCK PRESCRIPTION

Cut Block Name: SLT-066 OPERATING AREA: Sclater LICENCE: FML 3						Owner	Rge: t32r23v	Crown		Cut Block Size: 28.0 ha Mapsheet: 380573						
LICE	NCE: FML 3					Manag	jement Unit:	11		Lan	d Status:					
					PRE-H	ARVEST S	SURVEY INF	ORMATIO	N							
Species	Avg Age (yr)	Avg Ht (m) Avg DBH (cm)	Vol %	m3/ha	Vol (m3)		Ur	nderstory	/ Stems/ha a	nd Distrib	ution				
TA BA				0% 0%	0	0 0		ws	_	BS			BF			
WB				0%	0	0										
Total H WS	W			0% 0%	0	0	Eco La	nd Classificat	tion		Sc	ils Summ	nary			
BS				0%	0	0		1st 2nd	d 3rd	LFH(cm)	S-Type I	Moisture	Surface Texture			
JP BF				0% 0%	0 0	0	V Type									
Total S	W			0%	0	0	Eco Site									
Block 1	otal:				0	0	Cover Type:	IBWC Cr	nt: 0							
					ARVES	ST DRESC	RIPTION IN	FORMATIC)N							
					AIVVE	TIREOU		TORWATIC								
	HARDWOOD									ARDWOOD V		-	6			
	SOFTWOOD	ALLOCAT	ION: SPL						50	OFTWOOD V	OLUME (r	m3):				
H/	ARVEST SEAS	SON			HAI	RVEST/SIL	VICULTURE	SYSTEM		_	SL	ASH AB	ATEMENT			
ALL SEASON X CLEARCUT SHELTERWOOD WHOLE TREE																
<u> </u>	FROZEN			SELEC	CTION	х	UNDERSTORE	Y PROTECTI	ON	PILE & BURN						
Х	DRY/FROZE	V		SEED			_	DANCE		WLF DEBRIS PILE						
				SALVA	AGE			CH RETENTIC		L	WHO	LE TREE	TOP AT STUMP			
	R INFORMATI						DES	GNATED SKII	DIRAIL	5	NC	TE : ID\\((C = In Block Water Course			
FE	ATURE	WIDTH (m)) DETAILS								NO.	TE. IBWC	5 = III Block Water Course			
0																
	E TREE RETE EROSION RI		s per Standard O	perating (Guidlines	s leave appro	oximately 224 to	336 trees.								
ARVES	T COMMENT	S/ISSUES	_													
Private	land on the E s	ide. Ensure	boundary is GPS	6'd and fla	gged.											
This blo	ock has not bee	n surveyed.	The volume infor	mation is	based o	n surveyed b	olocks in the ar	ea.								



	RE	N									
RENEWAL STRATEGY BY	/ SPECIES	SITE	PREPAR	ATIONS		SN	SNOW CACHE:				
	Assisted	PREF. AL	т.			RE	ENEWA	L COVERTYPE: H			
та 🔲			DRAG								
ва			MOUNI	D		RI	ENEWA	AL ACCESS			
WB			TRENC	CH				ATV			
ws		$H \vdash$	-	R RIPPER			Ш	HELICOPTER			
BS	\square		AREA I	PLANT			Ш	TRUCK			
JP BF	H										
вг 📙 📙											
Siteprep Sur	mmary		PI	lanting Sun	nmary] [Survey Sur	mmary		
Year Action	Area (ha) Alternate	Year	Season	Species	Density	Total	J ⊢	Туре	Series	Year	
							JL	Reforestation	First	2028	
RENEWAL COMMENTS/ISSU	FS:										
TENEVAL GOMMENTO/1000											
	PR	ESCRIPTION	N REVIEV	W AND M	IITIGATIO	N					
INTED		LOCKII HOI	VIKEVIE								
	NAL REVIEW				TERNAL R	KEVIEW					
—	PLANNING				-	TED TO IRM					
	VILDLIFE				ALL IRM	T CONCERN	IS MITIC	GATED			
	SILVICULTURE										
IRMT Concerns and Comments:			Mitigati	on Strategy:						Mitigate	
										-	

PRE-HARVEST CUT BLOCK PRESCRIPTION

Cut Block Name: SLT-067 OPERATING AREA: Sciater						Twp & Rge: t32r23w Ownership: Open Crown							Cut Block Size: 59.4 ha Mapsheet: 380573						
	NCE: FML		itoi						ement Unit:		•				nd Statu		0070		
						DE II		Ė			ATION								
Cuasias	A A () A 116 (m) Avg DBH	I (am)		m3/ha		3	URVEY IN	FURIV									
Species TA	Avg Age (yı) Avg Ht (III) AVG DBH	i (CIII)	Vol %	ms/na 0	Vol (m3)			ws	Und	derstory	/ Stem		and Dist	ribu	tion	BF	
BA					0%	0	0			WS		1		BS				В	
WB Total H\	N/				0% 0%	0	0					<u> </u>							
WS	•				0%	0	0		Eco L	and Cla	ssificati	on				Soil	s Summ	ary	
BS					0%	0	0			1st	2nd	3rd	LF	H(cm)	S-Type	M	oisture	Surface	e Texture
JP BF					0% 0%	0	0		V Type										
Total S\	V				0%	0	0		Eco Site	<u> </u>									
Block T	otal:					0	0		Cover Type:		BWC Cnt	t: 0							
					Н	ΔRVE	ST DRES	C	RIPTION II	VEOR	MATIO	N							
						AIVVE	JI I IXEO	Ů.	KII HON II	VI OIX	MATIO								
	HARDWOO																3): <mark>8,912</mark>	2	
	SOFTWOO	D ALLOCA	ATION: SPL									SC)FTW(OOD (/OLUME	(m	3):		
HA	RVEST SEA	ASON				HA	RVEST/SI	L۷	/ICULTURE	SYST	EM				5	SLA	SH AB	ATEME	NT
	ALL SEASO	N		х	CLEAF	EARCUT SHELTERWOOD								Γ	WH	HOL	E TREE		
	FROZEN			П	SELEC	LECTION X UNDERSTOREY PROTECTION						N	PILE & BURN						
х	DRY/FROZ	EN		П	SEED	EED TREE X AVOIDANCE							WLF DEBRIS PILE						
					SALVA	LVAGE PATCH RETENTION					٧		L	WH	HOL	E TREE	TOP AT	STUMP	
BUFFEF	RINFORMA	TION							DES	SIGNAT	ED SKID	TRAILS	S						
	TURE		m) DETAILS												I	NOT	E: IBWC	= In Bloo	k Water Course
0		I																	
EVERE	E TREE RE' EROSION F T COMMEN	RISK POT		dard Ope		Guidlines	s leave app	rox	ximately 475	to 713 t	rees.								
			nsure bounda	ry is GP	S'd and	flagged													
			d. The volume					l bl	locks in the a	rea									



	RE	N									
RENEWAL STRATEGY BY	/ SPECIES	SITE	PREPAR	ATIONS		SN	SNOW CACHE:				
	Assisted	PREF. AL	т.			RE	ENEWA	L COVERTYPE: H			
та 🔲			DRAG								
ва			MOUNI	D		RI	ENEWA	AL ACCESS			
WB			TRENC	CH				ATV			
ws		$H \vdash$	-	R RIPPER			Ш	HELICOPTER			
BS	\square		AREA I	PLANT			Ш	TRUCK			
JP BF	H										
вг 📙 📙											
Siteprep Sur	mmary		PI	lanting Sun	nmary] [Survey Sur	mmary		
Year Action	Area (ha) Alternate	Year	Season	Species	Density	Total	J ⊢	Туре	Series	Year	
							JL	Reforestation	First	2028	
RENEWAL COMMENTS/ISSU	FS:										
TENEVAL GOMMENTO/1000											
	PR	ESCRIPTION	N REVIEV	W AND M	IITIGATIO	N					
INTED		LOCKII HOI	VIKEVIE								
	NAL REVIEW				TERNAL R	KEVIEW					
—	PLANNING				-	TED TO IRM					
	VILDLIFE				ALL IRM	T CONCERN	IS MITIC	GATED			
	SILVICULTURE										
IRMT Concerns and Comments:			Mitigati	on Strategy:						Mitigate	
										-	

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Size: 34.5 ha Cut Block Name: SLT-068 Twp & Rge: t32r23w **OPERATING AREA: Sclater** Ownership: Open Crown Mapsheet: 380573 LICENCE: FML 3 Management Unit: 11 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution TA 0% 0 0 ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 5,174 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST/SILVICULTURE SYSTEM HARVEST SEASON **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Stream Located on the S side. Flag as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 276 to 414 trees. **SEVERE EROSION RISK POTENTIAL:** x **HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area.

	RE	N									
RENEWAL STRATEGY BY	/ SPECIES	SITE	PREPAR	ATIONS		SN	SNOW CACHE:				
	Assisted	PREF. AL	т.			RE	ENEWA	L COVERTYPE: H			
та 🔲			DRAG								
ва			MOUNI	D		RI	ENEWA	AL ACCESS			
WB			TRENC	CH				ATV			
ws		$H \vdash$	-	R RIPPER			Ш	HELICOPTER			
BS	\square		AREA I	PLANT			Ш	TRUCK			
JP BF	H										
вг 📙 📙											
Siteprep Sur	mmary		PI	lanting Sun	nmary] [Survey Sur	mmary		
Year Action	Area (ha) Alternate	Year	Season	Species	Density	Total	J ⊢	Туре	Series	Year	
							JL	Reforestation	First	2028	
RENEWAL COMMENTS/ISSU	FS:										
TENEVAL GOMMENTO/1000											
	PR	ESCRIPTION	N REVIEV	W AND M	IITIGATIO	N					
INTED		LOCKII HOI	VIKEVIE								
	NAL REVIEW				TERNAL R	KEVIEW					
—	PLANNING				-	TED TO IRM					
	VILDLIFE				ALL IRM	T CONCERN	IS MITIC	GATED			
	SILVICULTURE										
IRMT Concerns and Comments:			Mitigati	on Strategy:						Mitigate	
										-	

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Cut Block Name: SLT-069 OPERATING AREA: Sclater LICENCE: FML 3						Owner	k Rge: t32r23 rship: Open gement Unit:	Crowr	1			Cut Block Size: 23.7 ha Mapsheet: 380573 Land Status:				
				- E	RE-HA		SURVEY INI		IATION							
Species	Avg Age (yr)	Avg Ht (m)	Avg DBH (cm)	Vol %	m3/ha	Vol (m3)	JUNVETEN	CKI		- retory	Stame	Stems/ha and Distribution				
TA	87	17.9	25	66%	118	2,793		ws	Ullu	erstory		BS	חמ טוסנו	Ibunon		BF
BA WB	62	23.3 16.5	25 18	6% 27%	11 47	250 1,123	50	Clum	ped	5		Clum	nped	\Box	33	Clumped
Total HW	l			99%	176	4,166	Eco Lí		ssificatio	<u></u>	\vdash		•	2 2 2 2 2 2 2		
WS BS		17.0	30	0% 1%	0 2	0 49		1st		3rd	I FH	(cm)	S-Type	Soils Sur Moistu		y urface Textu
JP		17.0	00	0%	0	0	V Type	05			05	\rightarrow	S3	2	·	oam
BF Total SW	,			0% 1%	2	49	Eco Site	22	21		05	-	S4	2	_	oamy Sand
Block To				1 70	178	4,215	Cover Type:	н	BWC Cnt:	0			-			, .
			ľ		-avec		CRIPTION IN				4					
			J	П	ARVES	I PRESC	KIPTION	FUR	WATION		ı					
	HARDWOOD	ALLOCATIO	ON: LP							НА	RDWO	OD V	/OLUME	(m3): <mark>3</mark> ,	518	
SOFTWOOD ALLOCATION: SPL								90	ETWO	OD 1/	(OL LINAE					
	SOFTWOOD	ALLOCATIC	N: SPL							30	11000	OD V	OLUME	(m3): 42		
HAF	SOFTWOOD RVEST SEAS		N: SPL		HAR	:VEST/SIL	.VICULTURE	SYSTI	EM	30	11110	OD V		,		EMENT
		SON	ON: SPL	CLEAR			.VICULTURE		EM	30	1110	Г	_ s	,	ABAT	EMENT
П	RVEST SEAS	SON	_	CLEAR SELEC	RCUT			OD			1110		S WH	SLASH A	ABAT	EMENT
	RVEST SEAS	SON	_	-	RCUT CTION		SHELTERWOO	OD	OTECTIO		i iwo		WH PIL	SLASH A	ABAT EE N	
	RVEST SEAS ALL SEASON FROZEN	SON	_	SELEC	CUT CTION TREE		SHELTERWOO UNDERSTORI AVO	OD EY PRO	OTECTIO	N	, TWO		WH PIL WL	SLASH A IOLE TRI E & BUR F DEBRI	ABAT EE N S PIL	
x	RVEST SEAS ALL SEASON FROZEN DRY/FROZEN	SON I	_	SELEC SEED	CUT CTION TREE		SHELTERWOO UNDERSTORI AVO X PAT	OD EY PRO IDANC CH RE	OTECTIOI CE	N			WH PIL WL	SLASH A IOLE TRI E & BUR F DEBRI	ABAT EE N S PIL	E
X	RVEST SEAS ALL SEASON FROZEN	SON I	x	SELEC SEED	CUT CTION TREE		SHELTERWOO UNDERSTORI AVO X PAT	OD EY PRO IDANC CH RE	OTECTION E TENTION	N			WH PIL WL WH	BLASH A HOLE TRI E & BUR F DEBRI HOLE TRI	ABAT EE N S PIL EE TO	E
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X BUFFER FEAT 1 Stream VILDLIFE BEVERE E HARVEST Beaked h This block This block	ALL SEASON FROZEN DRY/FROZEN INFORMATIO TURE TERE RETE EROSION RIS T COMMENTS hazel, alder, ros sk has relatively	ON WIDTH (m) 30 L SK POTENT S/ISSUES: se and blue-j y flat topogra I NW2-32-23	DETAILS ocated on S side. per Standard Optinal:	SELECT SEED SALVA Harvest as Perating Government in the A/C.	RCUT ETION TREE GE shown on	x map.	SHELTERWOO UNDERSTORI AVO X PAT	OD EY PRO IIDANC CH RE IGNAT	OTECTION EE TENTION ED SKID	N			WH PIL WL WH	BLASH A HOLE TRI E & BUR F DEBRI HOLE TRI	ABAT EE N S PIL EE TO	E DP AT STUM

PRE-HARVEST CUT BLOCK PRESCRIPTION

				RE	NE	WAL PR	ESCRIPT	TION INF	ORMATIO	N				
	AL STRA	TEGY BY				SITE PREPARATIONS PREF. ALT.				SNOW CACHE: RENEWAL COVERTYPE: H				
Species TA BA WB WS BS JP BF	X X X	X	Assisted				DRAG MOUN TRENG	CH R RIPPER				AL ACCESS ATV HELICOPTER TRUCK		
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Vaar		eprep Sum	1	Altamata		V		lanting Sur		Tatal	┨╴┠	Survey Sum		Voor
Year	AG	tion	Area (ha)	Alternate		Year	Season	Species	Density	Total	┪┟	Type Reforestation	Series First	Year 2027
RENEWAL	COMMEN	ITS/ISSUE	ES:											
IRMT Concern	ns and Comr	X PL X WI X SII	NAL REVIEW ANNING ILDLIFE LVICULTURE		ESC	CRIPTIO			ALL IRMT					Mitigate
Discuss a	nall leave ar	the W on N	I section line o	or from E, SLT	-L66		this w Not so	ay. Will che cheduled fo	eck again and	d may add ar ould have to	ea if fe be sur	veyed as it is above code		x x x

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Size: 34.2 ha Cut Block Name: SLT-104 Twp & Rge: t32r23w **OPERATING AREA: Sclater** Ownership: Open Crown Mapsheet: 380573 LICENCE: FML 3 Management Unit: 11 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 5,130 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course WIDTH (m) DETAILS **FEATURE** WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 274 to 410 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Private land located on the W and N sides. Ensure boundary is GPS'd and flagged. This block has not been surveyed. The volume information is based on surveyed blocks in the area. NE11-32-23. Code A/C/8a. Improvement of go back fields allowed with no time restriction. Sclater



				RE	NEWA	AL PF	RESCRIP'	TION INF	ORMATIO	N				
	RENEWAL STRATEGY BY SPECIES SITE PREPARATIONS Species Natural Advanced Assisted PREF. ALT.							NOW CA						
Species TA BA WB WS BS JP BF	Natural	Advanced	Assisted		PR	EF. A	DRAG MOUN TRENG WINTE					AL ACCESS ATV HELICOPTER TRUCK		
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Year	A	ction	Area (ha)	Alternate		Year	Season	Species	Density	Total	┨	Type Reforestation	Series First	Year 2028
RENEWAL	COMME	NTS/ISSUE	_ ' ≣S:	1			1	1	1	ı			I	
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IRMT Concer	rns and Com	ments:					Mitigat	ion Strategy:						Mitigate

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Size: 36.1 ha Cut Block Name: SLT-105 Twp & Rge: t32r23w **OPERATING AREA: Sclater** Ownership: Open Crown Mapsheet: 380573 LICENCE: FML 3 Management Unit: 11 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution TA 0% 0 0 ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type Moisture 0 **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 4,196 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 289 to 434 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Private land located on the W and S sides. Ensure boundary is GPS'd and flagged. SE11-32-23. Code A/C/4b which allows for 32ha development/clearing with joint decision. Need to maintain 16ha of native woody vegetation. Currently 18 ha pasture/field. This block has not been surveyed. The volume information is based on surveyed blocks in the area.



				RE	NEWA	AL PF	RESCRIP'	TION INF	ORMATIO	N				
	RENEWAL STRATEGY BY SPECIES SITE PREPARATIONS Species Natural Advanced Assisted PREF. ALT.							NOW CA						
Species TA BA WB WS BS JP BF	Natural	Advanced	Assisted		PR	EF. A	DRAG MOUN TRENG WINTE					AL ACCESS ATV HELICOPTER TRUCK		
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Year	A	ction	Area (ha)	Alternate		Year	Season	Species	Density	Total	┨	Type Reforestation	Series First	Year 2028
RENEWAL	COMME	NTS/ISSUE	_ ' ≣S:	1			1	1	1	ı			I	
		INTERN	NAL DEVIE		ESCR	IPTIC	N KEVIE		ITIGATIO					
		X PL	NAL REVIE' LANNING ILDLIFE LVICULTUR					E	4	TED TO IRM		GATED		
IRMT Concer	rns and Com	ments:					Mitigat	ion Strategy:						Mitigate

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Fax: 204-734-3646 Cut Block Name: SLT-800 Twp & Rge: t34r23w Cut Block Size: 36.1 ha **OPERATING AREA: Sclater** Ownership: Open Crown Mapsheet: 380575 LICENCE: FML 3 Management Unit: 11 Land Status: PRE-HARVEST SURVEY INFORMATION **Species** Avg Ht (m) Avg DBH (cm) Vol % m3/ha Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 20.5 38 128 TA 3% ws BS BF 21 3% 163 BA 93 5 18.0 430 Uniform **WB** 13.3 29 2% 2 83 60 Clumped 90 Clumped Total HW 8% 10 374 **Eco Land Classification Soils Summary** WS 23.0 46 48 1% 1st 2nd 3rd BS 102 14 7 19 33% 43 1 564 LFH(cm) S-Type Moisture Surface Texture JP 115 17.6 24 58% 76 2,731 17 29 V Type 30 12 **S5** Loam BF 0% 0 0 **Eco Site** 24 Total SW 92% 4,343 120 **Block Total:** 131 4,717 IBWC Cnt: 0 Cover Type: S HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 355 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 4,126 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT SHELTERWOOD** WHOLE TREE **UNDERSTOREY PROTECTION FROZEN SELECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ Wetland Located on the S and SW sides. Structure will be maintained. Flag as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 289 to 433 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has portions on 4 different quarter sections. Most of the block is on SE34-34-23W which is coded A/4a. The other quarter sections are SW34-34-23W coded A/C/D/E/F1/M/T/8g, NW27-34-23W coded 4a and NE27-34-23W coded A/M/6b. Areas of blow down in block near plots 2 and 17. Merchantable trees will be salvaged if possible. Maintain a max of 7 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block.

			RENE	EWAL P	RESCRIPT	TION INF	ORMATIO	N				
RENE	RENEWAL STRATEGY BY SPECIES			SITE PREPARATIONS				SNO	SNOW CACHE:			
Species	Natural Advance	ed Assisted		PREF.	ALT.			RENE	EWAL CO	VERTYPE: S		
TA	х				DRAG							
ВА	x				MOUN	D		REN	EWAL A	CCESS		
WB	x				TRENC	CH			X AT	V		
ws	x			\sqcup	_	R RIPPER			HE	LICOPTER		
BS		x		X L	AREA	PLANT			TR	UCK		
JP	×	\vdash										
BF		l LJ										
	Siteprep	Summary			P	lanting Sur	nmary			Survey S	Summary	
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total		Туре	Series	Year
				2023	Sp	BS	2000	45000	Pla	antation Survival	First	2024
					•	•				Reforestation	First	2033
RENEWA	L COMMENTS/IS	SUES:										
	f WS understory >50	00 stems/ha and <	6m in height is loc	ated in the	N portion of	the block (plot 19). Clun	nps of understo	ry will be	protected in		
patche		00 otomo/bo aro k	posted in the S per	tion of the	blook (ploto	1 and 17) M	/orobantable	troop will be be	anyostod a	nd		
	of BS understory >50 chantable trees will b			tion of the	DIOCK (PIOLS	i and i/). i	vierchantable	trees will be no	arvesteu a	Hu		
Area o	f BF understory >50) stems/ha and <6	6m in height is loca	ated in the	SE portion o	f the block	(Plot 3]. This	area will be har	vested wi	th concentrated	d	
	s of BF being mainta											
Leave	roads open for ATV	access.										
			PRES	CRIPTIC	ON REVIE	W AND M	IITIGATIO	N				
	INT	ERNAL REVIEV		CRIPTIC	ON REVIE		IITIGATIOI TERNAL R					
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IRMT Conc	x x	PLANNING WILDLIFE	v	CRIPTIC		EX	TERNAL RI SUBMITT ALL IRMT	EVIEW ED TO IRMT o				Mitigate
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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Fax: 204-734-3646 Cut Block Name: SLT-860 Twp & Rge: t34r23w Cut Block Size: 41.2 ha **OPERATING AREA: Sclater** Ownership: Open Crown Mapsheet: 380575 LICENCE: FML 3 Management Unit: 11 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Age (yr) Avg Ht (m) Vol (m3) Understory Stems/ha and Distribution 15.9 22 30% 35 1,451 TA 64 ws BS BF 15 BA 15.3 5% 6 260 11 178 Uniform **WB** 14.7 25 6% 276 Clumped Total HW 41% 48 1,987 **Eco Land Classification Soils Summary** WS 18.0 30 135 82 3% 1st 2nd 3rd BS 117 14 6 16 56% 67 2,743 LFH(cm) S-Type Moisture Surface Texture .IP 0% 0 n 05 08 V Type 30 Silty Clay 12 **S5** BF 0% 0 0 **Eco Site** 42 S3 2 Sandy Loam Total SW 59% 70 2,878 **Block Total:** 118 4,865 Cover Type: M IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 1,333 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 1,879 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE Х **FROZEN SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 330 to 495 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Block has been edited to add additional area in 2022 operating plan. Original design did not capture all available wood on the crown quarter. Alder, willow, rose, fireweed and beaked hazel are present in small amounts throughout the block. This block has relatively flat topography. This block is on quarter sections SW and NW11-34-23. These quarter sections are coded 4a. Ensure WTP's of varying sizes are maintained within the block to minimize L.O.S.

RENEW Species							ORMATIO					
Species	AL STRATEGY BY	SPECIES		SITE PREPARATIONS				SNO	SNOW CACHE:			
	Natural Advanced	Assisted		PREF. AI	т.			REN	EWAL COVERTYPE: M			
TA	\square			ПГ	DRAG							
ВА	\mathbf{x}			ПГ	MOUN	D		REN	EWAL ACCESS			
WB	× \square				TRENC	CH			ATV			
ws	X				WINTE	R RIPPER			HELICOPTER			
BS		х		х	AREA	PLANT			TRUCK			
JP									_			
BF		Ш										
	Siteprep Sum	mary				lanting Sun	nmary		Survey Sun	ımarv		
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	Туре	Series	Year	
	1	1 1 1 1 (1 1 1)		2023	Sp	BS	1400	13920	Plantation Survival	First	2024	
					'		1.00	.0020	Reforestation	First	2033	
RENEWAL	COMMENTS/ISSUE	S:										
			PRE	ESCRIPTIO	N REVIE	W AND M	IITIGATIO	N				
	INTERN	IAL REVIEW		ESCRIPTIO	N REVIE		II TIGATIO TERNAL R					
		IAL REVIEW ANNING		SCRIPTIO	N REVIE	EX	TERNAL R	EVIEW	on 10/7/10			
	X PL			ESCRIPTIO	N REVIE	EX X	TERNAL R	EVIEW ED TO IRMT o				
	X PL	ANNING		ESCRIPTIO	N REVIE	EX	TERNAL R	EVIEW				
IRMT Concer	X PL	ANNING LDLIFE		ESCRIPTIO		EX X	TERNAL R	EVIEW ED TO IRMT o			Mitigated	
	X PL X WI X SIL	ANNING LDLIFE LVICULTURE		ESCRIPTIO	Mitigati	X X x on Strategy:	TERNAL R SUBMITT	EVIEW TED TO IRMT OF CONCERNS	MITIGATED		\neg $_$	
	X PL X WI X SIL	ANNING LDLIFE LVICULTURE		ESCRIPTIO	Mitigati	X X x on Strategy:	TERNAL R SUBMITT	EVIEW TED TO IRMT OF CONCERNS			Mitigated	



LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

Integrated Operations by Operating Area

Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

Silver Creek FMU 13

SLC-014	108.00 Hectares	3	2023	Contingency
HW Allocation	12,875 m3	LP		
SW Allocation	1,030 m3	SPL		
SLC-015	59.02 Hectares		2023	Contingency
HW Allocation	6,500 m3	LP		
SW Allocation	520 m3	SPL		
SLC-016	56.34 Hectares		2023	Contingency
HW Allocation	5,250 m3	LP		
SW Allocation	420 m3	SPL		
SLC-017	77.50 Hectares		2023	Contingency
HW Allocation	7,750 m3	LP		
SW Allocation	620 m3	SPL		
SLC-028	171.46 Hectares	3	2023	Contingency
HW Allocation	18,861 m3	LP		
SW Allocation	1,543 m3	SPL		
SLC-029	276.71 Hectares	3	2023	Contingency
HW Allocation	30,436 m3	LP		
SW Allocation	2,490 m3	SPL		
SLC-040	87.73 Hectares		2023	Contingency
HW Allocation	9,650 m3	LP		
SW Allocation	790 m3	SPL		
SLC-041	45.38 Hectares		2023	Contingency
HW Allocation	4,992 m3	LP		
SW Allocation	408 m3	SPL		
SLC-123	5.89 Hectares		2023	Harvest
HW Allocation	1,244 m3	LP		
SW Allocation	0 m3	SPL		
SLC-125	11.65 Hectares		2023	Harvest
HW Allocation	1,635 m3	LP		
SW Allocation	0 m3	SPL		
SLC-806	20.06 Hectares		2022	Harvest
HW Allocation	2,059 m3	LP/Quota Holder		
SW Allocation	479 m3	Quota Holder/SPL		
SLC-807	20 77 Heatares		2022	Harvest
020 007	29.77 Hectares			
HW Allocation	4,694 m3	LP/Quota Holder		

FML 3	2022 - 2024	OP
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Fax: 204-734-3646

Integrated Operations by Operating Area

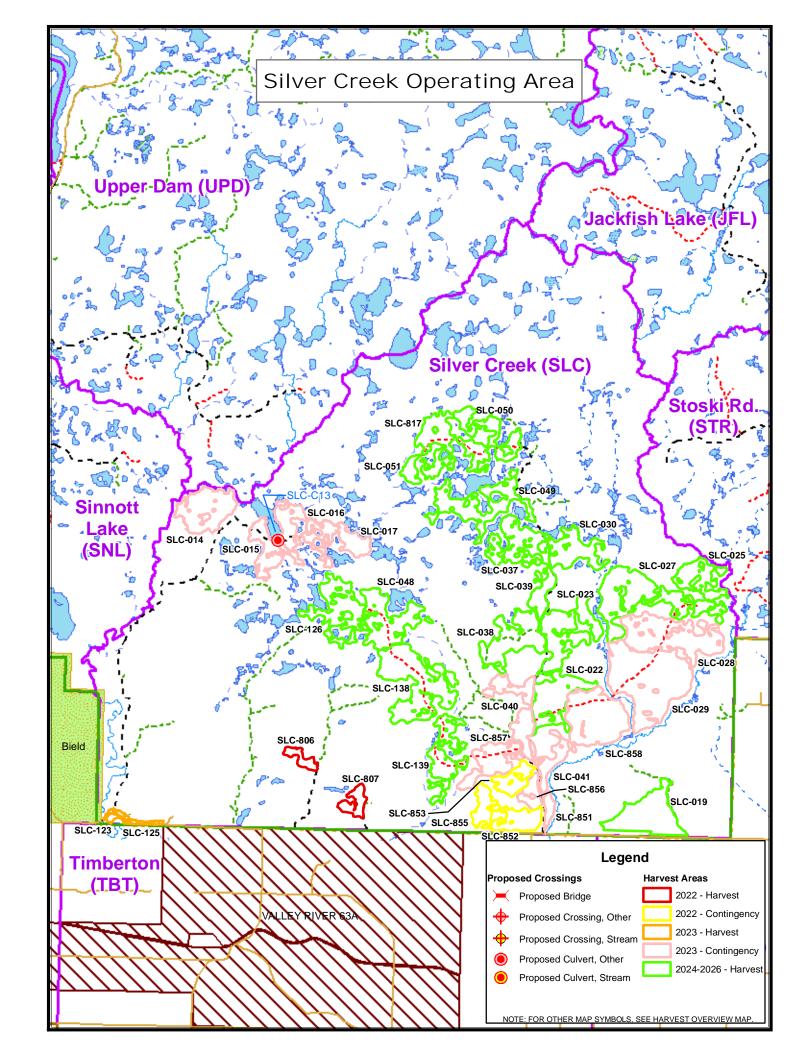
Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

FMU 13 Silver Creek

SLC-851	15.09 Hectares	3	2023 Contingency
HW Allocation	448 m3	LP	
SW Allocation	2,641 m3	SPL	
SLC-852	51.72 Hectares	3	2022 Contingency
HW Allocation	3,000 m3	LP	
SW Allocation	6,481 m3	SPL	
SLC-853	42.09 Hectares	3	2022 Contingency
HW Allocation	2,206 m3	LP	
SW Allocation	6,668 m3	SPL	
SLC-855	40.31 Hectares	3	2022 Contingency
HW Allocation	1,681 m3	LP	
SW Allocation	7,742 m3	SPL	
SLC-856	29.07 Hectares	3	2023 Contingency
HW Allocation	2,821 m3	LP	
SW Allocation	2,354 m3	Quota Holder	
SLC-857	78.94 Hectares	3	2023 Contingency
HW Allocation	5,576 m3	LP	
SW Allocation	11,301 m3	Quota Holder	
SLC-858	168.78 Hectare	es	2023 Contingency
HW Allocation	10,633 m3	LP	
SW Allocation	24,642 m3	SPL	

FML 3	2022 - 2024	OP



Internal Mitigation Comments

General

Operating Area	Concern	Manitoba	Action/Response
Silver Creek	Access Control	Where ATV access is to be left for renewal purposes, only one central access may be retained. No in block spur roads are to be left. A limited number of strategically distributed helicopter landing areas may be left on roads and landings. Access to be closed following completion of planting activities by no later than July 31, unless separate approval is applied for.	Agreed. Will determine on a site by site basis.
		Due to time limitations, this will have to be discussed on a case by case basis, at the time of harvest.	Can operators reach into the buffers to harvest diseased softwood?

Site Specific

Block	Concern	Manitoba	Action/Response
SLC-851	Access Control	No ATV access to be left in block for renewal, block to be closed up post-harvest.	Agreed.
	Wildlife Ungulate	300 m LOS for elk.	Agreed.
		Designated Route J is located on the west side. What is the plan maintain a LOS break along Route J? Spur roads with landings?	Will leave buffer on Route J as drawn.
SLC-856	Wildlife Ungulate	300 m LOS for elk.	Agreed.
		Designated Route J is located on the east side. 30m minimum LOS break is required along Route J.	Agreed.
		Remove portion of the block north of plot 13, to limit LOS into blown down patch NE of plot 15 of SLC-853.	Agreed. Will leave visual barrier. Terrain and the buffer on Route J should alleviate LOS concerns.

	Access Control	Adjacency will not be met between this block, and SLC 852 and 853. Remove a strip of harvest between these blocks to create a LOS break / access control between them. Minimal access to be left for planting. See Operating Area General Comment about planting access.	- Blocks will likely be harvested at same time, so adjacency guideline will not come into effect. LOS between the blocks will be determined at time of harvest. Agreed.
SLC-857	Wildlife Ungulate	300 m LOS for elk.	Agreed.
	Access Control	Designated Route J is located on the east side. 30m minimum LOS break is required along Route J. Could block be extended farther west by plot 26 to account for the difference?	Agreed. Will add more on the west side.
		Minimal access to be left for planting. See Operating Area General Comment about planting access.	Agreed.
SLC-123	Age of Mitigation	Last mitigated 2004. Will revisit mitigation at permit time.	
SLC-125	Age of Mitigation	Last mitigated 2011. Will revisit mitigation at permit time.	
SLC-806	Age of Mitigation	Last mitigated 2009. Will revisit mitigation at permit time.	
SLC-014, SLC- 015, SLC-016, SLC-017, SLC- 028, SLC-029, SLC-040, SLC- 041, SLC-858	Not Surveyed	Will mitigate after survey.	
SLC-807, SLC- 852, SLC-853, SLC-855	No concerns	Blocks were mitigated less than five years ago.	

Roads Silver Creek

SL	_C-2A aı	nd 2B (exis	sting)			Addition Comme		d Develo	pment	
Road D	<u>evelopn</u>	<u>nent:</u>								te J and is the main access to the SLC blocks on
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	fespan f Road (yrs)	the east	side of	the opera	ating ar	ea.
4.0	20	8	Dry/Frozen		50					
Road De	eactivati	on:	;	π <u>Ω</u>		_		<u>s</u>		
Road Clo Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
SPL/LP		Post-Ha Post-Rei							✓	This is an existing trail which will remain open.
	SLC-2A	-1A (existi	ng)			Addition Comme		d Develo	pment	
Road D	evelopn	nent:		_				ses block	SLC-8	357. This road is on Designated Route J.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	fespan f Road (yrs)					
0.0	0	0	Dry/Frozen		50					
Road De	eactivati	on:	;	ΣΩ	П (0			δ	_	
Road Clo Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
SPL/LP		Post-Ha Post-Rei							V	This is an existing trail which will remain open.
	SLC-2	3-2A and 2	2B			Addition Comme		d Develo	pment	
Road D	evelopn	nent:						cess bloc	ks SLC	C-858, 028 and 029.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	fespan f Road (yrs)					
5.3	20	8	Dry/Frozen		15					
Road De	eactivati	on:	:	Σū				<u>s</u>		
Road Clo Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
SPL/LP		Post-Ha Post-Rei	}		V	V				These roads will be closed with slash and debris at selected locations in blocks SLC-858 and 029 after renewal activities. A berm will also be placed at the start of the road. ATV access is required for renewal and survey puroposes

	SLC-3	A (existing	g)			Addition Comme		d Develo	pment	
Road D	evelopn	<u>nent:</u>						ses block	k SLC-8	006.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	fespan f Road (yrs)					
1.9	15	6	Frozen		25					
Road De	eactivati	on:		<u>ک</u> ک	Π. ω	M	_	Sit	_	
Road Clo Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
Quota Hol	lder	Post-Ha Post-Rer								This is an existing trail which will remain open.
	SLC-5A 1	o 5I (exist	ing)			Addition Comme		d Develo	pment	
Road D	evelopn	nent:						cess bloc	ks SLC	-014 to 017.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	fespan f Road (yrs)					
11.7	20	8	Dry/Frozen	l	50					
Road De	eactivati	on:		<u>ک</u> ک	Π. ω		_	Sit	_	
Road Clo Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer							V	These are existing roads which will remain open.
	SLC-8	A (existing	3)					d Develo	pment	
Road D	evelopn	nent:				Comme This roa		ses block	k SLC-8	07. This road has been used to access block
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	fespan f Road (yrs)	SLC-805	5.			
0.7	15	6	Frozen		10					
Road De	eactivati	on:		ΣΩ	п <i>"</i>	_ ~		S	_	
Road Clo Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
Quota Ho	lder	Post-Ha Post-Rer							✓	This is as existing trail which will remain open.



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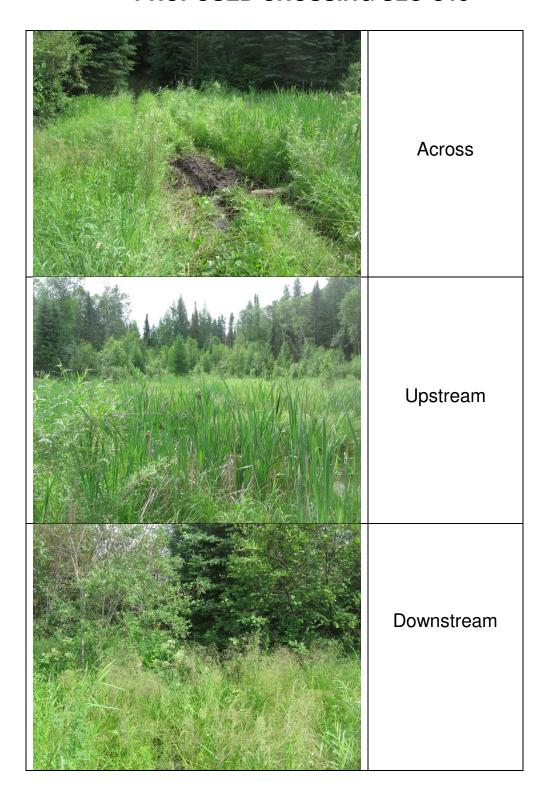
Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

FML 3 2023 - Proposed Crossings

Crossing Name: SLC-C1	3	Ownership: LP
Operating Area: Silver Cre	ek	Contingency Crossing:
UTM Northing: 5687332		UTM Easting: 364061
Stream Type: Other Wa	tercourse	Land Description: SW20-27-25W
Watercourse Name: N/A		Crossing Inspection Date: 16-July-2015
Channel Width (m): 0.30		Stream Assessment Required:
Water Depth (m): 0.05		Stream Assessment Complete:
Road Name: SLC-5I		
Site Description:		
		e crossing. The substrate is organic/clay. A culvert and fill will be needed existing road which is used as by the Snowman trails and by local First
General Considerations:		
LP will follow DFO Operational Statement.		
Crossing Structure:		Crossing Lifespan:
<u>Preferred</u>	<u>Alternate</u>	Temporary Crossing:
Ice Bridge	\neg	to [
Portable Bridge	H	
Rail Car Bridge		Permanent Crossing:
Timber Bridge		Proposed Install Date: 01 September,2023
Snow and Ice Xing Arch Culvert	H	Crossing Duration: 27 Years
Round Culvert X		Remove after Renewal Activities:
1		
Installation & Removal Notes:		
Installation & Removal Notes: Minimum 18 inch culvert is required.		
Installation & Removal Notes: Minimum 18 inch culvert is required.		

PROPOSED CROSSING SLC-C13



PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: SLC-014 Twp & Rge: t27r25w Cut Block Size: 108.0 ha **OPERATING AREA: Silver Creek** Ownership: Open Crown Mapsheet: 360568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS BF ВА 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture Surface Texture JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 12,875 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 1,030 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS Wetland MFZ Located on the S side. Structure will be maintained. Harvest as shown on map Stream 50-100 Valley River located on the W side. Variable 50 to 100m buffer. Harvest as shown on map. 30 Stream Rattlesnake Creek located on the N side. Harvest as shown on map 15-30 Located on the SE and SW sides. Variable 15 to 30m buffer. Harvest as shown on map. Meadow WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 864 to 1,296 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The stand/volume information provided is from similar blocks in this operating area. The average volume is 125m3/ha hardwood and 10m3/ha softwood.



	RE	NEWAL PRE	ESCRIPT	TION INFO	ORMATIC	N				
RENEWAL STRATEGY BY	/ SPECIES	SITE	PREPAR	ATIONS		SN	NOW CA	ACHE:		
	Assisted	PREF. AL	т.			RE	ENEWA	L COVERTYPE: H		
та 🔲			DRAG							
ва			MOUNI	D		RI	ENEWA	AL ACCESS		
WB			TRENC	CH				ATV		
ws		$H \vdash$	-	R RIPPER			Ш	HELICOPTER		
BS	\square		AREA I	PLANT			Ш	TRUCK		
JP BF	H									
вг 🔲 📙										
Siteprep Sur	mmary		PI	lanting Sun	nmary] [Survey Sur	mmary	
Year Action	Area (ha) Alternate	Year	Season	Species	Density	Total	J ⊢	Туре	Series	Year
							JL	Reforestation	First	2028
RENEWAL COMMENTS/ISSU	FS:									
TENEVAL GOMMENTO/1000										
	PR	ESCRIPTION	N REVIEV	W AND M	IITIGATIO	N				
INTED		LOCKII HOI	VIKEVIE							
	NAL REVIEW				TERNAL R	KEVIEW				
—	PLANNING				-	TED TO IRM				
	VILDLIFE				ALL IRM	T CONCERN	IS MITIC	GATED		
	SILVICULTURE									
IRMT Concerns and Comments:			Mitigati	on Strategy:						Mitigate
										-

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: SLC-015 Twp & Rge: t27r25w Cut Block Size: 59.0 ha **OPERATING AREA: Silver Creek** Ownership: Open Crown Mapsheet: 360568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS ВF ВА 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture Surface Texture JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 6,500 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 520 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ-15 Located on the SE side. Variable MFZ to 15m buffer. Harvest as shown on map. 30 Lake Spectacle Lake located on the NE side. Harvest as shown on map. 15-30 Wetland Located on the W/SW sides. Variable 15 to 30m buffer. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 472 to 708 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The stand/volume information provided is from similar blocks in this operating area. The average volume is 125m3/ha hardwood and 10m3/ha softwood. Silver Creek



				RE	NEWA	AL PF	RESCRIP'	TION INF	ORMATIO	N				
			SPECIES				E PREPAR	RATIONS			NOW CA			
Species TA BA WB WS BS JP BF	Natural	Advanced	Assisted		PR	EF. A	DRAG MOUN TRENG WINTE					AL ACCESS ATV HELICOPTER TRUCK		
	Ш				_									
		teprep Sum			_			lanting Sur		1	┨┝	Survey Su		
Year	A	ction	Area (ha)	Alternate		Year	Season	Species	Density	Total	┨	Type Reforestation	Series First	Year 2028
RENEWAL	COMME	NTS/ISSUE	_ ' ≣S:	1			1	1	1	ı			I	
		INTERN	NAL DEVIE		ESCR	IPTIC	N KEVIE		ITIGATIO					
		X PL	NAL REVIE LANNING ILDLIFE LVICULTUR					E	4	TED TO IRM		GATED		
IRMT Concer	rns and Com	ments:					Mitigat	ion Strategy:						Mitigate

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: SLC-016 Twp & Rge: t27r25w Cut Block Size: 56.3 ha **OPERATING AREA: Silver Creek** Ownership: Open Crown Mapsheet: 360568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS BF ВА 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% O LFH(cm) S-Type 0 Moisture Surface Texture JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 5,250 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 420 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS Wetland MFZ Located along the E side. Structure will be maintained. Harvest as shown on map. Lake 30 Spectacle Lake located on the W side. Harvest as shown on map 15-50 Wetland Located on the S side. Variable 15 to 50m buffer. Harvest as shown on map. Wetland 15-30 Stream/wetland complex located on the N side. Variable 15 to 30m buffer. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 451 to 676 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The stand/volume information provided is from similar blocks in this operating area. The average volume is 125m3/ha hardwood and 10m3/ha softwood.



	RE	NEWAL PRE	ESCRIPT	TION INFO	ORMATIC	N				
RENEWAL STRATEGY BY	/ SPECIES	SITE	PREPAR	ATIONS		SN	NOW CA	ACHE:		
	Assisted	PREF. AL	т.			RE	ENEWA	L COVERTYPE: H		
та 🔲			DRAG							
ва			MOUNI	D		RI	ENEWA	AL ACCESS		
WB			TRENC	CH				ATV		
ws		$H \vdash$	-	R RIPPER			Ш	HELICOPTER		
BS	\square		AREA I	PLANT			Ш	TRUCK		
JP BF	H									
вг 🔲 📙										
Siteprep Sur	mmary		PI	lanting Sun	nmary] [Survey Sur	mmary	
Year Action	Area (ha) Alternate	Year	Season	Species	Density	Total	J ⊢	Туре	Series	Year
							JL	Reforestation	First	2028
RENEWAL COMMENTS/ISSU	FS:									
TENEVAL GOMMENTO/1000										
	PR	ESCRIPTION	N REVIEV	W AND M	IITIGATIO	N				
INTED		LOCKII HOI	VIKEVIE							
	NAL REVIEW				TERNAL R	KEVIEW				
—	PLANNING				-	TED TO IRM				
	VILDLIFE				ALL IRM	T CONCERN	IS MITIC	GATED		
	SILVICULTURE									
IRMT Concerns and Comments:			Mitigati	on Strategy:						Mitigate
										-

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: SLC-017 Twp & Rge: t27r25w Cut Block Size: 77.5 ha **OPERATING AREA: Silver Creek** Ownership: Open Crown Mapsheet: 360568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS ВF ВА 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% O LFH(cm) S-Type 0 Moisture Surface Texture JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 7,750 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 620 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ-30 Lake/wetland complex on the E and NE sides. Variable MFZ to 30m buffer. Harvest as shown on map Lake 15-50 Lake Located on S side. Variable 15 to 50m buffer. Harvest as shown on map. Wetland 15-30 Located on the S and SW sides. Variable 15 to 30m buffers. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 620 to 930 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The stand/volume information provided is from similar blocks in this operating area. The average volume is 125m3/ha hardwood and 10m3/ha softwood. Silver Creek

	RE	NEWAL PRE	ESCRIPT	TION INFO	ORMATIC	N				
RENEWAL STRATEGY BY	/ SPECIES	SITE	PREPAR	ATIONS		SN	NOW CA	ACHE:		
	Assisted	PREF. AL	т.			RE	ENEWA	L COVERTYPE: H		
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ws		$H \vdash$	-	R RIPPER			Ш	HELICOPTER		
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Siteprep Sur	mmary		PI	lanting Sun	nmary] [Survey Sur	mmary	
Year Action	Area (ha) Alternate	Year	Season	Species	Density	Total	J ⊢	Туре	Series	Year
							JL	Reforestation	First	2028
RENEWAL COMMENTS/ISSU	FS:									
TENEVAL GOMMENTO/1000										
	PR	ESCRIPTION	N REVIEV	W AND M	IITIGATIO	N				
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	NAL REVIEW				TERNAL R	KEVIEW				
—	PLANNING				-	TED TO IRM				
	VILDLIFE				ALL IRM	T CONCERN	IS MITIC	GATED		
	SILVICULTURE									
IRMT Concerns and Comments:			Mitigati	on Strategy:						Mitigate
										-

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: SLC-028 Twp & Rge: t26r24w Cut Block Size: 171.5 ha **OPERATING AREA: Silver Creek** Ownership: Open Crown Mapsheet: 370568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS BF ВА 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% O LFH(cm) S-Type 0 Moisture Surface Texture JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 18,861 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 1,543 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION FROZEN** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS 50-100 Silver Creek located on the E side. Variable 50 to 100m buffer. Large riparian area. Harvest as shown on map Stream WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 1,372 to 2,058 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area. From the field inspection I think there is more softwood than indicated. This block is in an area affected by Spruce Budworm. Harvest is being accelerated to capture volume before White Spruce trees die. Maintain Snowman Trail that runs through the north end of the block free of debris.

			RE	NEWAL PR	RESCRIP	TION INF	ORMATIC	N				
RENEW	/AL STRATEGY B	Y SPECIES		SITI	E PREPAR	RATIONS		SI	NOW C	ACHE:		
Species	Natural Advanced	d Assisted		PREF. A	LT.			RE	NEWA	L COVERTYPE:		
TA					DRAG							
ВА					MOUN	D		RI	ENEW.	AL ACCESS		
WB				\sqcup	TREN				Щ	ATV		
WS		\square		\vdash		R RIPPER			Н	HELICOPTER		
BS JP	H	Н		ШЦ	AREA	PLANT			Ш	TRUCK		
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	Siteprep Su				_	lanting Sur			┧┟	Survey Su		
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	┧┟	Type	Series	Year
									JL	Reforestation	First	2028
RENEWAL	COMMENTS/ISSU	JES:										
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	INTER	RNAL REVIEW				EX	TERNAL R	REVIEW				
	X F	PLANNING					SUBMIT	TED TO IRM	T on			
		WILDLIFE					ALL IRM	T CONCERN	S MITI	GATED		
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IRMT Concer	ns and Comments:				Mitigat	ion Strategy:						Mitigate
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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: SLC-029 Twp & Rge: t26r24w Cut Block Size: 276.7 ha **OPERATING AREA: Silver Creek** Ownership: Open Crown Mapsheet: 370568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS BF ВА 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% LFH(cm) S-Type 0 0 Moisture Surface Texture JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 30,436 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 2,490 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION FROZEN** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS 50-100 Stream Silver Creek located on the E side. Variable 50 to 100m buffer. Large riparian area. Harvest as shown on map 30-50 Located on the W side. Variable 30 to 50m buffer. Harvest as shown on map. Stream WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 2,214 to 3,321 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area. From the field inspection I think there is more softwood than indicated. This block is in an area affected by Spruce Budworm. Harvest is being accelerated to capture volume before White Spruce trees die. Silver Creek

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			SPECIES				E PREPAR	ATIONS			IOW CA	<u>—</u>		
Species TA BA WB WS BS JP BF	Natural	Advanced	Assisted		PRI	EF. A	DRAG MOUN TRENG	CH R RIPPER				AL ACCESS ATV HELICOPTER TRUCK		
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Year		ction	Area (ha)	Alternate		Year	Season	Species	Density	Total	1	Туре	Series	Year
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IRMT Concer	ns and Com	ments:					Mitigat	on Strategy:						Mitigate

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: SLC-040 Twp & Rge: t26r25w Cut Block Size: 87.7 ha **OPERATING AREA: Silver Creek** Ownership: Open Crown Mapsheet: 370568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 9,650 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 790 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ Located on the W side. Structure will be maintained. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 702 to 1,053 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area. This block is in an area affected by Spruce Budworm. Harvest is being accelerated to capture volume before White Spruce trees die. Keep designated route and Snowman Trail located on the east and south sides free of debris. Silver Creek

			RE	NEWAL PR	RESCRIP	TION INF	ORMATIC	N				
RENEW	/AL STRATEGY B	Y SPECIES		SITI	E PREPAR	RATIONS		SI	NOW C	ACHE:		
Species	Natural Advanced	d Assisted		PREF. A	LT.			RE	NEWA	L COVERTYPE:		
TA					DRAG							
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WB				\sqcup	TREN				Щ	ATV		
WS		\square		\vdash		R RIPPER			Н	HELICOPTER		
BS JP	H	Н		ШЦ	AREA	PLANT			Ш	TRUCK		
JP BF	H	H										
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Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	┧┟	Type	Series	Year
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		WILDLIFE					ALL IRM	T CONCERN	S MITI	GATED		
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IRMT Concer	ns and Comments:				Mitigat	ion Strategy:						Mitigate
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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: SLC-041 Twp & Rge: t26r25w Cut Block Size: 45.4 ha **OPERATING AREA: Silver Creek** Ownership: Open Crown Mapsheet: 370568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS BF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture Surface Texture .IP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 4,992 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 408 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Silver Creek located on the E side. Harvest as shown on map. Stream WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 363 to 545 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area. This block is in an area affected by Spruce Budworm. Harvest is being accelerated to capture volume before White Spruce trees die. Keep designated route and Snowman Trail located on the west side free of debris. Keep campsite located at the NW portion of the block free of debris.

PRE-HARVEST CUT BLOCK PRESCRIPTION

			RE	NEWAL PR	RESCRIP	TION INF	ORMATIC	N				
RENEW	/AL STRATEGY B	Y SPECIES		SITI	E PREPAR	RATIONS		SI	NOW C	ACHE:		
Species	Natural Advanced	d Assisted		PREF. A	LT.			RE	NEWA	L COVERTYPE:		
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ВА					MOUN	D		RI	ENEW.	AL ACCESS		
WB				\sqcup	TREN				Щ	ATV		
WS		\square		\vdash		R RIPPER			Н	HELICOPTER		
BS JP	H	Н		ШЦ	AREA	PLANT			Ш	TRUCK		
JP BF	H	H										
	Siteprep Su				_	lanting Sur			┧┟	Survey Su		
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	┧┟	Type	Series	Year
									JL	Reforestation	First	2028
RENEWAL	COMMENTS/ISSU	JES:										
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	INTER	RNAL REVIEW				EX	TERNAL R	REVIEW				
	X F	PLANNING					SUBMIT	TED TO IRM	T on			
		WILDLIFE					ALL IRM	T CONCERN	S MITI	GATED		
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IRMT Concer	ns and Comments:				Mitigat	ion Strategy:						Mitigate
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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Size: 5.9 ha Cut Block Name: SLC-123 Twp & Rge: t26r26w **OPERATING AREA: Silver Creek** Ownership: Open Crown Mapsheet: 360568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution TA 18.3 23 100% 222 1,310 ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 100% 222 1,310 **Eco Land Classification Soils Summary** WS 0 1st 2nd 3rd BS 0% LFH(cm) S-Type Moisture 0 0 **Surface Texture** JP 0% n 0 V Type 05 06 Loam **S3** BF 0% 0 0 **Eco Site** 22 Total SW 0% 0 0 **Block Total:** 222 1,310 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 1,244 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course WIDTH (m) DETAILS **FEATURE** 100 River Valley River located on S side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 47 to 71 trees. SEVERE EROSION RISK POTENTIAL: x **HARVEST COMMENTS/ISSUES:** Beaked hazel is present throughout the block. This block has relatively flat topography. This block has been added to the 2012 AOP at the request of the RM of Hillsburg. They are requesting ROW clearing in this area.

FML 3 2023 - Harvest

			RE	NEWAL	PRESCRIP	TION INF	ORMATIC	ON						
RENEWAL STRA	TEGY BY SF	PECIES		s	ITE PREPA	RATIONS		SI	SNOW CACHE:					
Species Natural	Advanced A	ssisted		PREF.	ALT.			R	RENEWAL COVERTYPE: H					
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ва					MOU	ND		R	ENEW	AL ACCESS				
WB					TREN					ATV				
ws	Ш	Ц		Н	\vdash	ER RIPPER				HELICOPTER				
BS	Н			Ш	AREA	PLANT			L	TRUCK				
JP BF	Н	Н												
	teprep Summa					Planting Sur		ı	╛┟	Survey Su				
Year A	ction	Area (ha)	Alternate	Yea	r Season	Species	Density	Total	┧┟	Type	Series	Year		
									JL	Reforestation	First	2028		
RENEWAL COMMEN	NTS/ISSUES:													
			PR	ESCRIPT	ION REVIE	W AND N	IITIGATIO	ON						
	INTERNA	L REVIEW	I			EX	TERNAL F	REVIEW						
	X PLAN	INING				x	SUBMIT	TED TO IRM	T on 10	0/29/04				
	X WILD	LIFE				x	_	T CONCERN						
	X SILV	ICULTURE												
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IRMT Concerns and Com					Mitiga	tion Strategy:	- :					Mitigate		
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No concerns.					Mitiga OK.	_	: 					¬		
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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Name: SLC-125 Twp & Rge: t26r26w Cut Block Size: 11.7 ha **OPERATING AREA: Silver Creek** Ownership: Open Crown Mapsheet: 360568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Age (yr) Avg Ht (m) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 18.3 24 97% 144 1,680 TA ws BS BF 56 25 BA 19.3 5 57 3% **WB** 0% 0 0 Total HW 100% 149 1,737 **Eco Land Classification Soils Summary** WS 0 0 1st 2nd 3rd BS 0% LFH(cm) S-Type 0 0 Moisture Surface Texture .IP 0% n n V Type 05 BF 0% 0 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 149 1,737 Cover Type: H IBWC Cnt: 1 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 1,635 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT SHELTERWOOD** WHOLE TREE **UNDERSTOREY PROTECTION FROZEN SELECTION** PILE & BURN DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS River Valley River on W side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 93 to 140 trees. **SEVERE EROSION RISK POTENTIAL:** x **HARVEST COMMENTS/ISSUES:** Hazel abundant through block. Blue joint present in small amounts. Block has gentle slope on W side. Flat topography on E side. Maintain structure along seasonal drain on E side. Softwood component will be maintained. Incidental harvest along road may be required. This block has been added to the 2012 AOP at the request of the RM of Hillsburg. They are requesting ROW clearing in this area and the block was designed to accomodate this along with road buffer harvest. Block will be surveyed in 2012 and mitigated after surveyed.

FML 3 2023 - Harvest

RENEWAL						LOCKIF	ION INF	ORMATIO	IN				
Species Na	STRATEGY B	Y SPECIES Assisted		P	SITE	PREPAR	ATIONS			IOW CA	ACHE:		
та [x x					DRAG MOUN TRENG	CH R RIPPER				AL ACCESS ATV HELICOPTER TRUCK		
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Year	Siteprep Su Action		Alternate	F	Year		lanting Sur		Total	┨┞	Survey Su	Series	Year
rear	Action	Area (ha)	Alternate	F	Year	Season	Species	Density	Total	┨┞	Reforestation	First	2028
RENEWAL CO	MMENTS/ISSU	JES:											
	X F	RNAL REVIEW PLANNING WILDLIFE		ESCF	RIPTIO	N REVIE	EX X	-4	REVIEW				
	X F X V X S	PLANNING		ESCF	RIPTIO		EX X	SUBMITT	REVIEW				
IRMT Concerns a	X F X V X S	PLANNING WILDLIFE		ESCF	RIPTIO		EX X	SUBMITT	REVIEW				Mitigate

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 Cut Block Name: SLC-806 Twp & Rge: t26r25w Cut Block Size: 20.1 ha **OPERATING AREA: Silver Creek** Ownership: Open Crown Mapsheet: 360568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Ht (m) Vol % Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 24 37% 50 996 TA 18.1 ws BS BF 27 33% 44 878 BA 195 142 50 **WB** 15.4 20 11% 15 293 Clumped Clumped Total HW 81% 108 2,167 **Eco Land Classification Soils Summary** WS 19.7 37 25 504 120 1st 2nd 3rd BS 0% 0 LFH(cm) Moisture S-Type Surface Texture 0 .IP 0% n n V Type 05 08 Sandy Loam **S3** BF 0% O 0 **Eco Site** 23 06 S3 Sandy Loam Total SW 19% 504 25 **Block Total:** 133 2,671 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP/Quota Holder HARDWOOD VOLUME (m3): 2,059 SOFTWOOD ALLOCATION: Quota Holder/SPL SOFTWOOD VOLUME (m3): 479 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE Х **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course WIDTH (m) DETAILS FFATURE Wetland MFZ Located on N side. Structure will be maintained. Harvest as shown on map Wetland Wetland at S side. Large buffer of non-op vegetation along feature. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 160 to 241 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Beaked hazel is present throughout the block. Rose, raspberry, thistle, fireweed and blue-joint grass are present in small amounts. This block has gently undulating topography. Lost 7 ha's from blowdown or disease. Not sure when. Maintain a max of 5 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Maintain mature WS in WTP's where possible. Ensure all in block roads are closed with slash and debris.

FML 3 2022 - Harvest

LDING SOLU	Fax:	204-734	-3646										
				RE	NEWAL PR	ESCRIP ⁻	TION INFO	ORMATION	N				
RENEV	WAL STRATE	GY BY	SPECIES		SITE	PREPAR	RATIONS		SNOV	V CAC	HE:		
Species			Assisted		PREF. A				RENE	WAL	COVERTYPE: H		
TA	x	П			ПГ	DRAG							
ВА	х					MOUN	D		RENE	EWAL	_ ACCESS		
WB	х					TREN					ATV		
ws	Ш	х	х			-	R RIPPER			Ц	HELICOPTER		
BS	Н	Н	Н		LX L	AREA	PLANT			Ш	TRUCK		
JP BF	Н	Н	Н										
ы		<u> </u>								_			
	Sitep	rep Sum	mary			P	lanting Sun	nmary			Survey Sun	nmary	
Year	Actio	on	Area (ha)	Alternate	Year	Season	Species	Density	Total		Туре	Series	Year
					2023	Sp	WS	1600	9800		Reforestation	First	2028
SENE/WAI	COMMENTS	S/ SSI IE	s.										
	orth side of bloc		<u>.</u>										
trees wi Area of	ill be left unhard BS understory	vested in >500 ste	patches. ms/ha is loca								unmechantable		
trees wi	ill be left unhan	ested in	patches.										
				PRI	ESCRIPTIO	N REVIE	W AND M	ITIGATION	N				
		INTERN	AL REVIEW				EX	TERNAL RE	EVIEW				
		X PL					<u> </u>			40/01	0/00		
		_	LDLIFE				X		ED TO IRMT or CONCERNS M				
			VICULTURE				x	ALL IRIVIT	CONCERNS IV	/II I IGA	ATED		
IRMT Conce	rns and Commer	_				Mitigat	ion Strategy:						Mitigated
			01.0.004	1.000					501 51 1				¬ _
Sequenc	cing and leave a	area betw	een SLC-804	and 806.					s 58 ha. Blocks Blocks are mul		e treated as single harvest.		Lx
Maintain	80 to 100 matu	ure WS tr	ees in WLTP	as seed trees.		Softw	ood areas w	vill be planted	. Softwood will	•	rvested. Some mature	Э	x
Discuss	timing of house	ot Comp	loto CL C 904	nriar to atartina	× 006			WLTP's wher	e possible.				
1	_	-		prior to starting	J 806.	Agree							x
Close all	inblock roads	with slash	n and debris.			Agree	ea.						LX

Silver Creek - SLC-806

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 Cut Block Name: SLC-807 Twp & Rge: t26r25w Cut Block Size: 29.8 ha **OPERATING AREA: Silver Creek** Ownership: Open Crown Mapsheet: 360568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Ht (m) Vol % m3/ha Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 22 85% 164 4,879 TA 21.6 ws BS BF 24 BA 5 20.0 3% 153 388 Uniform 25 **WB** 20.0 16 1% 2 59 Clumped Total HW 89% 171 5,091 **Eco Land Classification Soils Summary** WS 12.3 19 646 22 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type Moisture Surface Texture 0 .IP 0% 0 n 05 V Type 08 13 05 Loam **S5** BF 0% 0 0 **Eco Site** 32 Total SW 11% 646 22 **Block Total:** 193 5,737 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP/Quota Holder HARDWOOD VOLUME (m3): 4,694 SOFTWOOD ALLOCATION: Quota Holder/SPL SOFTWOOD VOLUME (m3): 597 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **UNDERSTOREY PROTECTION** PILE & BURN **FROZEN SELECTION** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ-15 Located on the NW side. Variable MFZ to 15m buffer. Harvest as shown on map. PSP Tree improvement site located on the SW side. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 238 to 357 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Beavers have flooded the west central portion of the original block. Approximately 3 hectares of flooded area has been removed from the block. Maintain a max of 5 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Old trail runs through the block from west of plot 2 to plot 14. Old trail that has not been maintained. Trail will not be kept open. Keep equipment and debris out of test plot located on the S side. Not sure if this site is still being maintained.

FML 3 2022 - Harvest

			RE	NEV	VAL PR	ESCRIP1	ION INF	ORMATIO	N						
RENEW	VAL STRATEGY E	SY SPECIES			SITE	PREPAR	ATIONS		SN	SNOW CACHE:					
Species	Natural Advance	d Assisted		F	PREF. ALT.						RENEWAL COVERTYPE: H				
TA BA WB WS BS JP BF	x x x					DRAG MOUN TRENC WINTE AREA	CH R RIPPER		RE	ENEW/	AL ACCESS ATV HELICOPTER TRUCK				
				. г						, ,	Suman Su		1		
Year	Siteprep Si Action	Area (ha)	Alternate	-	Year	Season	Species	Density	Total	┨	Survey Sur	Series	Year		
Tear	Action	Alea (lia)	Aiternate		i eai	Jeason	Species	Density	Total	┧	Reforestation	First	2028		
			PR	ESC	RIPTIO	N REVIE	W AND M	IITIGATIO	IN						
	INTE	RNAL REVIEW	v				EX	TERNAL R	EVIEW						
	х	PLANNING WILDLIFE SILVICULTURE					x	4	TED TO IRMT						
IRMT Concer	rns and Comments:					Mitigati	on Strategy:						Mitigate		
	buffer of tree improg	vement site to ke	eep naturals fro	m					ement site. Al ainst the site.	so edit	ted the block slightly to		x		
						er Creek - SI (2.007								

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Fax: 204-734-3646 Cut Block Name: SLC-851 Twp & Rge: t26r25w Cut Block Size: 15.1 ha **OPERATING AREA: Silver Creek** Ownership: Open Crown Mapsheet: 370568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Ht (m) Vol % Avg Age (yr) Understory Stems/ha and Distribution 18.0 22 4% 8 123 TA 43 ws BS BF 29 11% 23 348 BA 16.3 240 Uniform **WB** 0% 0 0 Total HW 14% 31 471 **Eco Land Classification Soils Summary** 2,780 WS 18.8 32 75 86% 184 1st 2nd 3rd BS 0% LFH(cm) 0 S-Type Moisture Surface Texture 0 .IP 0% 0 n 08 21 V Type 13 04 Loam **S3** BF 0% 0 0 **Eco Site** 23 Total SW 86% 2,780 184 **Block Total:** 215 3,251 Cover Type: S IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 448 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 2,641 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS 50-75 Silver Creek located on the E side. Variable 50 to 75m buffer. Harvest as shown on map. Stream 20-30 Route J located on the W side. Harvest as shown on map. Roads WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 121 to 181 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block is in an area affected by Spruce Budworm. Harvest is being accelerated to capture volume before White Spruce trees die. 300m LOS for elk management. Maintain a max of 3 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Keep trail on W side of block free of debris. Trail is a designated route and Snowman Trail.

				RE	NEW	/AL PI	RESCR	PTION INF	ORMATIO	N				
RENEV	VAL STRATE	GY BY	SPECIES			SIT	E PREP	ARATIONS			SNOW C	ACHE:		
Species	Natural Ac	lvanced	Assisted		P	REF.	ALT.				RENEWA	AL COVERTYPE: S		
TA	x					\Box	DRA				RENEW	AL ACCESS		
BA	X	-				⊢⊢⊦	_	JND NCH			_			
WB WS	Н	x	x			\dashv		INCH TER RIPPEF	2		х	ATV HELICOPTER		
BS	Н	Ĥ	Ĥ			x	_	A PLANT				TRUCK		
JP												ı		
BF														
	Sitep	rep Sum	mary		ΙГ			Planting Su	mmary		ΠГ	Survey \$	Summary	
Year	Actio	n	Area (ha)	Alternate		Year	Seaso	n Species	Density	Total		Туре	Series	Year
						2023	Sp	WS	2000	234	.00	Plantation Survival	First	2024
RENEWAL	COMMENTS	S/ISSIJE	s.								L	Reforestation	First	2033
				One in baimbéin		مالا ما الم	0	af tha black	(mlat 4) Olives			I be much shed in		
Area of patches		'>500 Ste	ems/na and <	om in neight is	locate	ed in the	S portion	of the block	(plot 1). Clum	ps of unde	erstory will	I be protected in		
-	ATV access for	r tree pla	nt											
				DD.	ECO		N DEV	IEW AND	MITICATIO	N				
		INTERN	IAL REVIEW		ESCI	KIPTIC	JN KEV		MITIGATIO XTERNAL R					
									_					
			ANNING LDLIFE					2	_	ED TO IR				
		<i>-</i> ``	LULIFE _VICULTURE					נ	ALL IRM	CONCE!	RNS MITI	GATED		
IRMT Conce	rns and Commer	_	LVIOOLIONE				Miti	gation Strategy	r:					Mitigated
			DC brook olon	a Douto 12 Co		do			on Route J a	o drown				\neg $_$
with land	he plan to mair lings?	italii a LC	JS break alon	ig Route 3? Spi	our road	us	VVI	ii leave bullei	on Roule J a	s urawii.				x
	access for rene	wal. Bloc	ck to be close	d after harvest.			Ag	reed.						х
300m LC	S for elk.						Ag	reed. Will add	comment.					x
1														

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Cut Block Name: SLC-852 Twp & Rge: t26r25w Cut Block Size: 51.7 ha **OPERATING AREA: Silver Creek** Ownership: Open Crown Mapsheet: 360568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Ht (m) Vol % m3/ha Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 29% 55 2,869 TA 19.9 ws BS BF 30 BA 2% 231 18.5 4 250 Uniform **WB** 8.0 12 1% 57 Total HW 32% 61 3,157 **Eco Land Classification Soils Summary** WS 19.5 27 6.822 68% 132 1st 2nd 3rd BS 0% 0 LFH(cm) 0 S-Type Moisture Surface Texture .IP 0% 0 n 05 08 V Type 13 Silty Sand 16 S₂ BF 0% 0 0 **Eco Site** 13 Total SW 68% 6,822 132 **Block Total:** 193 9,979 Cover Type: M IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 3,000 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 6,481 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ-15 Roads Located on S side. Variable MFZ to 15m buffer. Harvest areas of WS along road. Harvest as shown on map. Trail 30 Designated route J located on the E side. Harvest as shown on map. Selectively harvest WS in buffer. 15-30 Wetland Located on the N side. Variable 15 to 30m buffer. Selective harvest of WS in buffer. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 414 to 621 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** The White Spruce in this area is infected with Spruce Budworm. Harvest needs to be accelerated to salvage the spruce before it becomes unmerchantable 300 meter LOS for Elk. Maintain a max of 10 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block.

FML 3 2022 - Contingency

, ax. 201101 0010	RENEWAL	PRESCRIPT	ION INFO	ORMATIO	N			
RENEWAL STRATEGY BY SPECIES		SITE PREPAR				W CACHE:		
Species Natural Advanced Assisted		. ALT.			RENE	EWAL COVERTYPE: M		
TA X D	\Box	DRAG MOUNI	D		REN	EWAL ACCESS		
wв x		TRENC				X ATV		
WS X X	x	AREA F	R RIPPER PLANT			HELICOPTER TRUCK		
JP 🗎 🗎								
BF								
Siteprep Summary		PI	lanting Sun	nmary		Survey Sur	nmary	
Year Action Area (ha)	Alternate Ye		Species	Density	Total	Туре	Series	Year
	202	23 Sp	WS	1800	63720	Plantation Survival	First	2024
RENEWAL COMMENTS/ISSUES:						Regeneration	First	2033
Areas of WS understory >500 stems/ha and <	<6m in height are located	I in the central po	ortion of the	block (plots	19 and 25). Clu	umps of understory will be		
protected in patches.								
Complete block will be planted, ensure ATV a	access.							
	DDE CODIN	=/0\\ D=\/ =\	W AND V					
		TION REVIE						
INTERNAL REVIEW			EX	TERNAL R	EVIEW			
x PLANNING			х		ED TO IRMT o			
X WILDLIFE			х	ALL IRMT	CONCERNS	MITIGATED		
X SILVICULTURE								
IRMT Concerns and Comments:		Mitigation	on Strategy:					Mitigate
Only one central access to be lefto open for tree only. Close all other rds.	ee plant. ATV access	Agree	d.					X
Increase buffer on S and E sides by 30m from harvest of WS in buffer.	what is drawn. No	Agree	d.					X
Leave a wildlife corridor between SLC-852 and map.	d 855 as shown on	Agree	d.					X
Access block from Route J not the municipal re	oad on the S side.	Agree	d.					x
Remove point to the W of plot 14.		Agree	d.					x x
Add WLDP's to prescription.		Agree	d.					х

Silver Creek - SLC-852

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Fax: 204-734-3646 Cut Block Name: SLC-853 Twp & Rge: t26r25w Cut Block Size: 42.1 ha **OPERATING AREA: Silver Creek** Ownership: Open Crown Mapsheet: 360568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Age (yr) Avg Ht (m) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 23 21% 1,998 TA 17.0 47 ws BS BF BA 0% 0 0 164 Uniform 18 **WB** 14.8 25 3% 8 324 Clumped Total HW 25% 55 2,322 **Eco Land Classification Soils Summary** WS 19.8 30 7,019 85 75% 167 1st 2nd 3rd BS 0% LFH(cm) Moisture 0 S-Type Surface Texture 0 JP 0% 0 n 08 V Type 13 08 Loamy Sand **S1** BF 0% 0 0 **Eco Site** 13 Total SW 75% 7,019 167 **Block Total:** 222 9,341 Cover Type: M IBWC Cnt: 1 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 2,206 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 6,668 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ-15 Trail Designated route J located on the E side. Harvest as shown on map. Selectively harvest WS in buffer WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 337 to 505 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** The White Spruce in this area is infected with Spruce Budworm. Harvest needs to be accelerated to salvage the spruce before it becomes unmerchantable. 300 meter LOS for Elk. Maintain a max of 8 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Maintain structure along IBWC located on the W side near plots 7 to 13. Maintain existing trail through center of block free of debris.

				KL	IVI=V	WALFI	KESCKIP I		ORMATIC	IN						
RENEW	AL STRA	TEGY BY	SPECIES			SITE PREPARATIONS						SNOW CACHE:				
Species	Natural	Advanced	Assisted			PREF. ALT.						RENEWAL COVERTYPE: M				
TA BA WB WS	x	x	x				DRAG MOUN TRENO WINTE			RE	NEWA	AL ACCESS ATV HELICOPTER				
BS JP BF						x [AREA	PLANT				TRUCK				
	Si	teprep Sum	mary				Р	lanting Sur	nmary			Survey Sur	nmary			
Year	Α	ction	Area (ha)	Alternate		Year	Season	Species	Density	Total	L	Туре	Series	Year		
						2023	Sp	WS	1800	55800	l L	Plantation Survival Regeneration	First First	2024		
Complete			ensure ATV ad	ccess												
		X PL	IAL REVIEW ANNING ILDLIFE LVICULTURE		ESC	RIPTIC	ON REVIE		TERNAL R							
IRMT Concern	ns and Com	ments:					Mitigati	ion Strategy:						Mitigate		
only. Clos Increase t WS in buf	e all other ouffer on Name of the fer.	rds. I side by 30r W of plot 8		ee plant. ATV a			Agree Agree Agree	ed.						x x x		
<u> </u>							ilver Creek - SI (

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Fax: 204-734-3646 Cut Block Name: SLC-855 Twp & Rge: t26r25w Cut Block Size: 40.3 ha **OPERATING AREA: Silver Creek** Ownership: Open Crown Mapsheet: 360568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Ht (m) Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 11% 28 1,119 TA 17.8 ws BS BF 30 13 BA 540 20.8 5% 130 Uniform **WB** 13.5 18 1% 3 110 Total HW 18% 44 1,769 **Eco Land Classification Soils Summary** WS 20.2 28 8.150 83 82% 202 1st 2nd 3rd BS 0% LFH(cm) 0 S-Type Moisture Surface Texture 0 .IP 0% 0 n 08 V Type 13 08 Loamy Sand **S3** BF 0% 0 0 **Eco Site** 23 Total SW 82% 8,150 202 **Block Total:** 246 9,919 Cover Type: S IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 1,681 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 7,742 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ Located on the S side. Structure will be maintained. Harvest as shown on map. Trail WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 322 to 484 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Some small patches of blow down located on the E side. Merchantable trees will be salvaged if feasible. Patch of severe blowdown located on the NW corner of the block. Merchantable trees will be salvaged if feasible. The White Spruce in this area is infected with Spruce Budworm. Harvest needs to be accelerated to salvage the spruce before it becomes unmerchantable. 300 meter LOS for Elk. Maintain a max of 8 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Maintain structure along IBWC's located on the central and NW corner of block near plots 17 to 19 and plot 12.

Silver Creek

Maintain existing trail that runs through the center of the block free of debris.

PRE-HARVEST CUT BLOCK PRESCRIPTION

	RENEV	WAL PR	ESCRIPT	ION INFO	RMATIC	N					
RENEWAL STRATEGY BY SPECIES SITE PREPARATIONS SNOW CACHE:											
Species Natural Advanced Assisted	Species Natural Advanced Assisted PREF.					REN	RENEWAL COVERTYPE: S				
TA X						DEN	RENEWAL ACCESS				
BA X		\Box	MOUNI			KEI	NEVV				
WB X		$H \vdash$	TRENC	H R RIPPER			X	ATV			
ws BS X X		\parallel	AREA F				Н	HELICOPTER TRUCK			
JP H H							Ш	MOOK			
BF H											
Siteprep Summary			DI	anting Sum	mary		Г	Survey Sur	marv		
	ernate	Year	Season	Species	Density	Total	F	Type	Series	Year	
		2023	Sp	WS	1800	55800	F	Plantation Survival	First	2024	
			ı					Reforestation	First	2033	
RENEWAL COMMENTS/ISSUES:											
Ensure ATV access.											
	PRESC	RIPTIO	N REVIEV	W AND M	TIGATIO	N					
INTERNAL REVIEW					TERNAL F						
X PLANNING				х		TED TO IRMT					
X WILDLIFE				х	ALL IRM	T CONCERNS	MITIC	GATED			
X SILVICULTURE IRMT Concerns and Comments:			B#141 41	044						Midiana	
IRMI Concerns and Comments:			Mitigation	on Strategy:						Mitigate	
Only one central access to be lefto open for tree plan	nt. ATV acces	S	Agree	d.						X	
only. Close all other rds. Increase buffer on S side by 30m from what is drawn	n. No harvest	of	Agree	d.						х	
WS in buffer.			7 tg. 55	. .							
Block must be accessed from Route J. No access from S side.	rom RM road o	on	Agree	d.						х	
Block should be harvested before SLC-852, back to	front		Agree	d.						x	
sequencing.											
Add WLDP's to prescription.			Agree	d.						х	
			ver Creek - SLC								

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Fax: 204-734-3646 Cut Block Name: SLC-856 Twp & Rge: t26r25w Cut Block Size: 29.1 ha **OPERATING AREA: Silver Creek** Ownership: Open Crown Mapsheet: 370568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Ht (m) Vol % Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 16.8 25 35% 66 1,933 TA ws BS BF 25 15% 28 805 BA 18 1 471 Uniform 200 **WB** 20.5 26 4% 8 231 Clumped Total HW 55% 102 2,969 **Eco Land Classification Soils Summary** WS 19.0 32 2.337 72 43% 80 1st 2nd 3rd BS 15.5 22 3% 140 LFH(cm) 5 S-Type Moisture **Surface Texture** .IP 0% n n 30 V Type 08 13 Loamy Sand **S3** BF 0% 0 0 **Eco Site** 23 Total SW 45% 2,477 85 **Block Total:** 187 5,446 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 2,821 SOFTWOOD ALLOCATION: Quota Holder SOFTWOOD VOLUME (m3): 2,354 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland 30-100 Located on the S side. Variable 30 to 100m buffer. Harvest as shown on map. Roads Route J located on the E side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 233 to 349 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block is in an area affected by Spruce Budworm. Harvest is being accelerated to capture volume before White Spruce trees die. 300m LOS for elk management. Maintain a max of 5 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Maintain trail on E side of block free of debris. Trail is a designated route and Snowman Trail.

Silver Creek

PRE-HARVEST CUT BLOCK PRESCRIPTION

				RE	ENEV	VAL P	RE	SCRIPT	TION INF	ORMATIO	N						
RENEW	AL STRATE	GY BY S	PECIES			SI	TE F	PREPAR	ATIONS			SNOV	N CA	CHE:			
Species	Species Natural Advanced Assisted PREF. ALT.										RENE	RENEWAL COVERTYPE: N					
TA	х					П		DRAG									
ВА	х							MOUN	D			REN	EWA	AL ACCESS			
WB	х					\square !		TRENC	CH				Х	ATV			
ws		x	х			ЫΙ			R RIPPER				Ц	HELICOPTER			
BS	Н	\blacksquare	Н			X		AREA	PLANT				Ш	TRUCK			
JP BF	Н	H	Н														
	Ш	Ш	Ш										_				
	Sitepr	rep Summ	nary	1] [lanting Sur	nmary			L	Survey St			
Year	Actio	n	Area (ha)	Alternate	↓ ↓	Year	4	Season	Species	Density	Tota	_	L	Туре	Series	Year	
					J [2023			WS	1800	45	0000	L	Plantation Survival	First	2024	
RENEWAL	COMMENTS	S/ISSUES	S :										L	Regeneration	First	2033	
				∠6m in boiabt	ore le	ooted in	the	C and M	nortions of	the block (st	to 1 and	12\ C	lumar	o of understanded			
	cted in patches	-	ems/na and	<om in="" neight<="" th=""><th>are lo</th><th>cated in</th><th>tne</th><th>S and N</th><th>portions of</th><th>the block (pic</th><th>ots i and</th><th>13). C</th><th>iump</th><th>s of understory will</th><th></th><th></th></om>	are lo	cated in	tne	S and N	portions of	the block (pic	ots i and	13). C	iump	s of understory will			
	•		najority of th	ne block being	plante	ed startir	ng at	t the Sout	h end.								
				PR	ESC	RIPTI	ON	REVIE	W AND N	IITIGATIO	N						
	İ	INTERNA	AL REVIEW	٧					EX	TERNAL R	EVIEW						
		x PLA	NNING						Ιx	SUBMITT	ED TO II	RMT or	n 10 /2	29/21			
		X WIL	DLIFE						x	-	CONCE	ERNS N	MITIG	SATED			
		X SIL\	/ICULTURE						_	_							
IRMT Concern	ns and Commen	its:						Mitigati	on Strategy:							Mitigated	
Adjacency	v will not be me	et with 85°	2 and 853 E	Remove area b	etwee	en .		Block	s will likely	he harvested	at same	time s	en ad	jacency guideline will			
	cks for LOS.	et with 652	2 anu 655. F	Remove area b	etwee	#11								determined at time of		х	
								harve								1_	
	oortion of block of plot 15 in 85		13 to limit L	OS into blowd	own			_	d. Will leav ate LOS cor		er. Terra	in and	the b	uffer on Route J sho	blr	x	
	•		ing. See ope	erating area co	mmer	nts.		Agre		icems.						х	
1	mum LOS brea	-	-					Agree								X	
300m LOS									ed will add o	comment						X	
								, igi 00	add c								
								1									
								1									
								1									

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: SLC-857 Twp & Rge: t26r25w Cut Block Size: 78.9 ha **OPERATING AREA: Silver Creek** Ownership: Open Crown Mapsheet: 360568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution 19.0 25% 57 4,507 TA ws BS BF ВА 78 35 16 1,288 197 7% 158 Uniform **WB** 20.0 30 0% 74 Total HW 33% 74 5,869 **Eco Land Classification Soils Summary** WS 19.2 32 148 11,648 83 66% 1st 2nd 3rd BS 22 5 32 1% 248 LFH(cm) 3 S-Type Moisture Surface Texture JP 0% 0 0 08 05 V Type 13 Silty Sand 06 **S1** BF 0% 0 0 **Eco Site** 11 Total SW 67% 11,896 151 **Block Total:** 225 17,765 Cover Type: M IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 5,576 SOFTWOOD ALLOCATION: Quota Holder SOFTWOOD VOLUME (m3): 11,301 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland Located on the W side. Harvest as shown on map Roads Route J located on the E side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 632 to 947 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** 300m LOS for elk management. Maintain a max of 15 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Maintain trail on the E side of block free of debris. Trail is a designated route and Snowman Trail.

Silver Creek

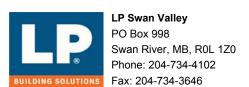
PRE-HARVEST CUT BLOCK PRESCRIPTION

			RE	NEW/	AL PRE	ESCRIPT	ION INF	ORMATIO	N				
	_								OW CA	ACHE:			
Species I TA BA	x x	Assisted		DRAG MOUND					RENEWAL ACCESS				
WB WS BS JP BF	x x	X)	x	WINTE AREA F	R RIPPER			X	ATV HELICOPTER TRUCK		
	Siteprep	Summary				PI	lanting Sun	nmarv		ΙГ	Survey Sum	mary	
Year	Action	Area (ha)	Alternate		Year	Season	Species	Density	Total		Туре	Series	Year
					2023	Sp	ws	1800	119880		Plantation Survival	First	2024
DENEWAL O	OMMENTS/IS	OUEO.									Regeneration	First	2033
patches. Ensure AT		ERNAL REVIEW PLANNING WILDLIFE	PR	ESCR	IPTION	N REVIEV		4					
.D.4.T. O	X	SILVICULTURE						-					
	and Comments:	J. Extend block t	to the W near r	olot 26.		ı	on Strategy: d. Will add	more on wes	st side.				Mitigate
1	cess to be left for	planting. See ope				Agree							X X X

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: SLC-858 Twp & Rge: t26r25w Cut Block Size: 168.8 ha **OPERATING AREA: Silver Creek** Ownership: Open Crown Mapsheet: 370568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS ВF ВА 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0 0 1st 2nd 3rd BS 0% LFH(cm) S-Type 0 0 Moisture Surface Texture JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 10,633 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 24,642 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS 30-100 Stream Silver Creek located on the S side. Variable 30 to 100m buffer. Harvest as shown on map 15-100 Stream Located on the E side. Variable 15 to 100m buffer. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 1,350 to 2,025 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area. This block is in an area affected by Spruce Budworm. Harvest is being accelerated to capture volume before White Spruce trees die. Silver Creek



PRE-HARVEST CUT BLOCK PRESCRIPTION

				RE	NEV	VAL PR	ESCRIP1	TION INF	ORMATIC	N					
	Species Natural Advanced Assisted PREF. ALT. RI								SNOV		CHE:				
						x	DRAG MOUN TRENG	D CH ER RIPPER					ATV HELICOPTER TRUCK		
					г						_	_			
Veer		iteprep Sum		Altowasta	-	V		lanting Su	1	T-4-1	_	H	Survey Sur		Voor
Year		ction	Area (ha)	Alternate	ŀ	Year	Season	Species	Density	Total		\vdash	Type Plantation Survival	Series First	Year 2025
					L							\vdash	Regeneration	First	2034
RENEWAL	СОММЕ	NTS/ISSUE	ES:									L	- togonoration	1 1130	2004
					ESC	RIPTIO	N REVIE		MITIGATIO						
		_	NAL REVIEV	V				E	(TERNAL F						
			LANNING ILDLIFE					<u> </u>	-	TED TO IF					
		H_{s}	LVICULTURE	Ē				L] ALL IRM	T CONCE	:RNS N	/IIIIG	ATED		
IRMT Concer	rns and Com						Mitigati	ion Strategy	:						Mitigated



LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

Integrated Operations by Operating Area

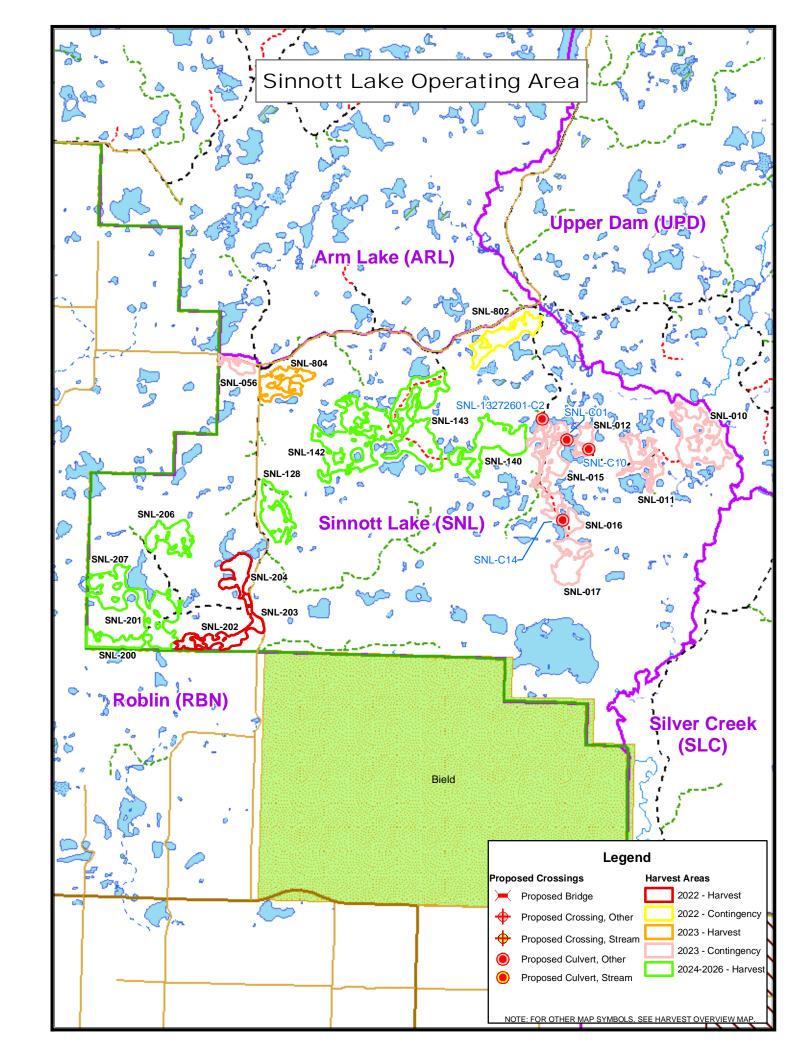
Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

Sinnott Lake FMU 13

SNL-010	70.53 Hectares		2023 Contingency
HW Allocation	11,009 m3	LP	
SW Allocation	2,061 m3	SPL	
SNL-011	14.77 Hectares		2023 Contingency
HW Allocation	2,756 m3	LP	
SW Allocation	1,295 m3	SPL	
SNL-012	35.34 Hectares		2023 Contingency
HW Allocation	4,993 m3	LP	
SW Allocation	1,247 m3	SPL	
SNL-015	52.05 Hectares		2023 Contingency
HW Allocation	7,450 m3	LP	
SW Allocation	805 m3	SPL	
SNL-016	22.36 Hectares		2023 Contingency
HW Allocation	2,670 m3	LP	
SW Allocation	1,765 m3	SPL	
SNL-017	40.91 Hectares		2023 Contingency
HW Allocation	6,385 m3	LP	
SW Allocation	866 m3	SPL	
SNL-056	11.49 Hectares		2023 Contingency
HW Allocation	2,270 m3	Quota Holder/LP	
SW Allocation	0 m3	Quota Holder/SPL	
SNL-202	28.11 Hectares		2022 Harvest
HW Allocation	2,035 m3	LP	
SW Allocation	1,452 m3	SPL/Quota Holder	
SNL-203	11.30 Hectares		2022 Harvest
HW Allocation	2,120 m3	LP	
SW Allocation	1,611 m3	SPL/Quota Holder	
SNL-204	29.05 Hectares		2022 Harvest
HW Allocation	2,028 m3	LP/Quota Holder	
SW Allocation	2,511 m3	SPL/Quota Holder	
SNL-802	44.33 Hectares		2022 Contingency
HW Allocation	6,102 m3	Quota Holder/LP	
SW Allocation	1,473 m3	Quota Holder/SPL	
SNL-804	35.94 Hectares		2023 Harvest
HW Allocation	6,153 m3	Quota Holder/LP	
SW Allocation	2,182 m3	Quota Holder/SPL	

EMIL O	2022 - 2024	OB
FML 3	2022 - 2024	OP



Internal Mitigation Comments

Ge	n	e	ral	

General			
Operating Area	Concern	Manitoba	Action/Response
Sinnott Lake	Access Control	Where ATV access is to be left for renewal purposes, only one central access may be retained. No in block spur roads are to be left. A limited number of strategically distributed helicopter landing areas may be left on roads and landings. Access to be closed following completion of planting activities by no later than July 31, unless separate approval is applied for.	Agreed. Will determine on a site by site basis.
Site Specific			
Block	Concern	Manitoba	Action/Response
SNL-056	Wildlife Ungulate	Visual screen on road, 30 m treed. Instead of using Upper Dam or Boundary Road as landings, put an inblock road through center, south of leave. See map.	This is a road buffer harvest with previous harvest behind it. The block is 150 to 250m wide and only 11.5 ha's. Narrow blocks were designed along roads to capture this wood instead of leaving this wood as permanent buffers. The block behind the buffer harvest was either cut before the buffer harvest block or after it had reached adjacency. Cannot leave 30m buffer on a buffer harvest. Spur roads are impractical on these small buffer blocks. Spur roads in small blocks occupy too large of a % of area, having too large an impact forest regeneration, particularly on summer ground.
		Clip off west end at the east side of the narrow area, west of plots 6 and 7. Could expand block to the south to compensate.	See comment about visual screen. Also this will trap wood which will not likely ever be harvested. Need to discuss further.
		Due to time limitations, this will have to be discussed on a case by case basis, at the time of harvest.	RE: two above comments.
SNL-804	Wildlife Ungulate	Increase the MFZ on the road to 50 m treed buffer.	Would prefer to reduce to 15m. There are plenty of shrubs and small trees that will create a LOS break. Due to time limitations, this will have to be discussed on a case by case basis, at the time of harvest.
	Access Control	Minimal access to be left for planting. See Operating Area General Comment about planting access.	Agreed.
SNL-010	Age of Mitigation	Last mitigated 2012. Will revisit mitigation at permit time.	
SNL-011	Age of Mitigation	Last mitigated 2012. Will revisit mitigation at permit time.	

SNL-012	Age of Mitigation	Last mitigated 2012. Will revisit mitigation at permit time.	
SNL-015	Age of Mitigation	Last mitigated 2012. Will revisit mitigation at permit time.	
SNL-016	Age of Mitigation	Last mitigated 2011. Will revisit mitigation at permit time.	
SNL-017	Age of Mitigation	Last mitigated 2011. Will revisit mitigation at permit time.	
SNL-802	Not Surveyed	Will mitigate after survey.	Block has been survyed and is already permitted.

Roads Sinnott Lake

SI	NL-1A to	o 1D (exist	ting)			Addition Comme		d Develo	pment	
Road De	evelopn	nent:						ng roads	that ac	cess SNL-015 and 802 and are part of the access
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	espan Road (yrs)	to blocks	SNL-0° ccesses	10, 011, 0 block Si	012, 01 NL-802	6 and 017. The first portion of the road (approx which Lakeshore Mills will harvest. This road is
4.2	20	8	Dry/Frozen		50					
Road De	activati	on:	7	ο Ω	п "			<u>s</u>		
Road Clos Responsib			Zellova	Crossing	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP/Lakesh	ore	Post-Ha Post-Ren	- · · · ·							This is an existing road which will remain open.
		o 1C-1E (e	xisting)			Addition Comme		d Develo	pment	
Road De	evelopn	<u>ient:</u>								nd 012 and are part of the access to SNL-010.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	espan Road yrs)	rnese ro	ads wei	re built in	2001.	
2.6	20	8	Dry/Frozen		1					
Road De	activati	<u>on:</u>	2	<u>υ</u> Ω				S		
Road Clos Responsib			Reliova	Crossing	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer			V					These roads will be closed with debris in blocks SNL-011, 012 and 015. Debris from landings and road construction will be used for closure. Crossings SNL-C01 and C10 will also be removed.
	SN	L-1C-1F				Addition	al Road	d Develo	pment	
Road De						Comme	nts			
			0	1 :4		harveste			NL-010	. Most of it goes through SNL-007 which was
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	espan Road (yrs)					
0.6	20	8	Dry/Frozen		1					
Road De	activati	on:	2	οÇ	п <i>(</i>			<u>s</u>	_	
Road Clos Responsib			Relicva	Crossing	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Ren			Y					This road will be closed with slash/debris where it is available in the old harvest block.

SNL-1D-1A Additional Road Development Comments Road Development: This road accesses block SNL-016 and is part of the access to block SNL-017. Road **ROW** Season of Lifespan Road Length Width **Surface** of Road Use (km) (m) Width (m) (yrs) 0.4 20 8 Dry/Frozen 10 Road Deactivation: Site Prep **Additional Road Closure Road Closure** Comments Responsibility Post-Harvest **✓** LP An earth berm will be placed at the start of the ~ Post-Renewal road. Slash and debris will be spread for the first 100m and at selected locations in block SNL-015. Maintain ATV access for renewal of block SNL-016. Additional Road Development SNL-1D-1B Comments Road Development: This road accesses block SNL-017. **ROW** Road Road Season of Lifespan Length Width Surface Use of Road (km) (m) Width (m) (yrs) 1.0 20 8 Dry/Frozen 10 Road Deactivation: Crossing Removal Site Prep Slash and None **Additional Road Closure Road Closure** Comments Responsibility Post-Harvest LP Slash and debris will be spread at selected Post-Renewal locations in block SNL-016. Crossing SNL-C14 will also be removed restricting access. Maintain ATV access up to SNL-C14 for renewal, close road after crossing. SNL-2A to 2C (existing) Additional Road Development Comments **Road Development:** This is the boundary road. They will be used to access all the SNL blocks off the boundary road. ROW Road Road Season of Lifespan Width Surface Use of Road Length Width (m) (km) (m) (yrs) 4.9 20 8 Dry/Frozen 50 Road Deactivation: Site Prep Slash and Debris None **Additional Road Closure Road Closure** Comments Responsibility Post-Harvest LP This is an existing road which will remain open. Post-Renewal **UPD-1A to 1C (existing)** Additional Road Development Comments Road Development: This is the main Upper Dam road up to the access to the Valley River culverts and access to the SNL blocks to the south. ROW Road Lifespan Road Season of Width Surface Use of Road Length (km) Width (m) (yrs) (m)

All season

50

10

6.9

30

Road Deactivation:		Re Cro	Π. ω		•	Site	7	
Road Closure Responsibility		ossing emoval	lash and ebris	Earth Berm	Gate	e Prep	lone	Additional Road Closure Comments
LP	Post-Harvest Post-Renewal						✓	This is a main haul road and existing water resources road. It will remain open.



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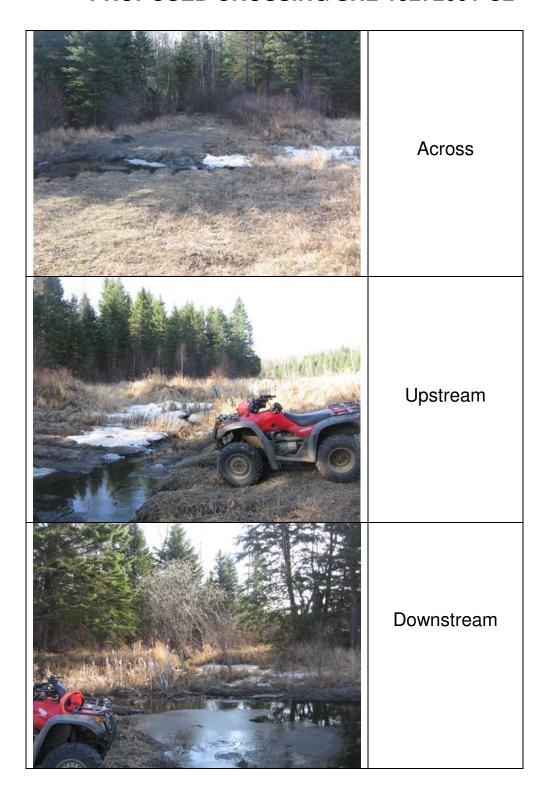
Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

FML 3 2023 - Proposed Crossings

Crossing Name: SNL-13272601-C2	Ownership: LD
	Ownership: LP
Operating Area: Sinnott Lake	Contingency Crossing:
UTM Northing: 5690102	UTM Easting: 358000
Stream Type: Other Watercourse	Land Description: NW-27-27-26-W
Watercourse Name: N/A	Crossing Inspection Date: 10-June-2008
Channel Width (m): .40	Stream Assessment Required:
Water Depth (m): .10	Stream Assessment Complete:
Road Name: SNL-1C	
Site Description:	
This proposed crossing is located on a previously used crossing location that har flooded up and down stream. The substrate is composed of clay/organic materia is a main road which is well used.	
General Considerations:	
Crossing Structure:	Crossing Lifespan:
Preferred Alternate	Temporary Crossing:
	Temporary crossing.
Ice Bridge	to
Portable Bridge	Resumencent Greeceings
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date: 01 September,2023
Snow and Ice Xing	Crossing Duration: 18 Years
Arch Culvert	
Round Culvert X	Remove after Renewal Activities:
Installation & Removal Notes:	
A minimum 24 inch round culvert required. LP recommends leaving the crossing	g in place in order to avoid damage/disturbance to area from
frequent road traffic within the area.	g in piace in order to avoid damage/distribution to area from

PROPOSED CROSSING SNL-13272601-C2





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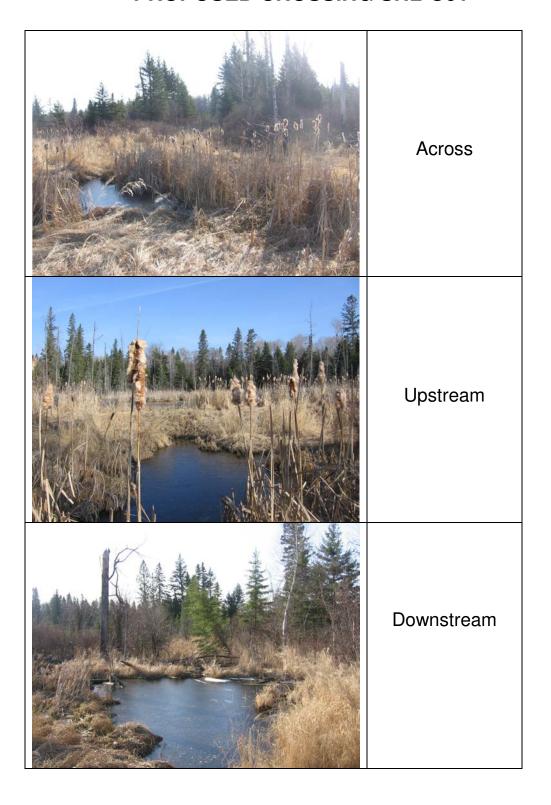
Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

FML 3 2023 - Proposed Crossings

Crossing Name: SNL-C01	Ownership: LP						
Operating Area: Sinnott Lake	Contingency Crossing:						
UTM Northing: 5689691	UTM Easting: 358484						
Stream Type: Other Watercourse	Land Description: NE-27-27-26-W						
Watercourse Name: N/A	Crossing Inspection Date: 10-June-2008						
Channel Width (m): N/A	Stream Assessment Required:						
Water Depth (m): N/A	Stream Assessment Complete:						
Road Name: SNL-1C-1A							
Site Description:							
This proposed crossing is located on a beaver flood. Several old beaver dam little water. The substrate is composed of organic/clay material and flow was potentially fish bearing stream, river or lake known to support fish; no fish were	low. This beaver flood is not linked to any fish bearing or						
General Considerations:							
LP will follow DFO Operational Statement for temporary crossings.							
Crossing Structure:	Crossing Lifespan:						
<u>Preferred</u> <u>Alternate</u>	Temporary Crossing:						
Ice Bridge	01 September,2023 to 15 July,2024						
Portable Bridge	Permanent Crossing:						
Rail Car Bridge	Permanent Grossing.						
Timber Bridge Snow and Ice Xing	Proposed Install Date:						
Arch Culvert	Crossing Duration: Years						
Round Culvert	Remove after Renewal Activities:						
nstallation & Removal Notes:							
Snow and ice will melt and site will return to near natural conditions. If a round measures will be implemented to help restore site back to near natural conditions.							
If a snow and ice crossing is used after harvest is completed the surface of th constructed to allow for flow during the spring melt. The snow and ice crossin	ne snow and ice crossing will be cleaned off and a trench will be						
After harvest is completed the culvert will be removed and the road approach will be seeded with grass and erosion control matting or straw mulch will be u							

PROPOSED CROSSING SNL-C01





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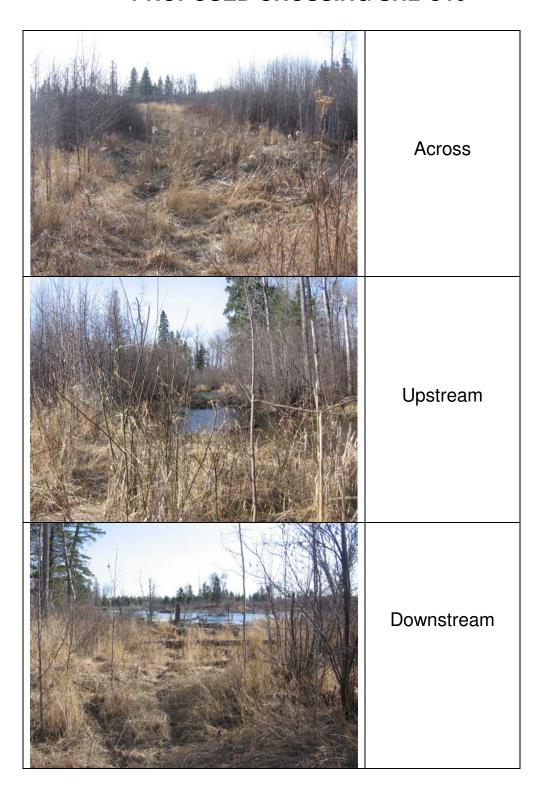
Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

FML 3 2023 - Proposed Crossings

Crossing Name: SNL-C10	Ownership: LP
	· —
Operating Area: Sinnott Lake	Contingency Crossing:
UTM Northing: 5689505	UTM Easting: 358915
Stream Type: Other Watercourse	Land Description: SW26-27-26W
Watercourse Name: N/A	Crossing Inspection Date: 10-June-2008
Channel Width (m): N/A	Stream Assessment Required:
Water Depth (m): N/A	Stream Assessment Complete:
Road Name: SNL-1C-1B	
Site Description:	
This proposed crossing is located on a small swale situtated within a sedge mead	
substrate is composed of organic material. There was no flow at the time of inspe	ection.
General Considerations:	
L. D. will fallow DEO Operational Statement for temporary experience	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
<u>Preferred</u> <u>Alternate</u>	Temporary Crossing: X
Ice Bridge	01 September,2023 to 15 June,2024
Portable Bridge Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing	Proposed Install Date:
Arch Culvert	Crossing Duration: Years
Round Culvert X	Remove after Renewal Activities:
Installation & Removal Notes:	
If a snow and ice crossing is used after harvest is completed the surface of the sr constructed to allow for flow during the spring melt. The snow and ice crossing wi	
A minimum 18" round culvert required.	
·	sphon will be recenteured to pour natural conditions. The cross
Once harvest is complete, the round culvert will be removed and the road approa will be seeded with grass and straw mulch or erosion control matting will be used	
Section 100 making will be used	

PROPOSED CROSSING SNL-C10





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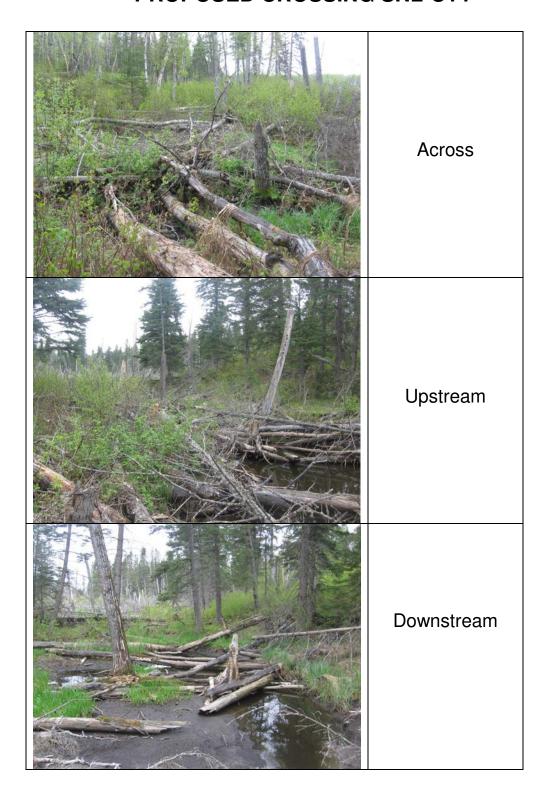
Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

FML 3 2023 - Proposed Crossings

Crossing Name: SNL-C14	Ownership: LP
Operating Area: Sinnott Lake	Contingency Crossing:
UTM Northing: 5688103	UTM Easting: 358402
Stream Type: Other Watercourse	Land Description: NE22-27-26W
Watercourse Name: N/A	Crossing Inspection Date: 30-May-2011
Channel Width (m): 1.0	Stream Assessment Required:
Water Depth (m): 0.1	Stream Assessment Complete:
Road Name: SNL-1D-1B	
Site Description:	
This proposed crossing is located on a small swale located between two bealow at the time of inspection. The substrate is composed of organic material.	
General Considerations:	
Crossing Structure:	Crossing Lifespan:
<u>Preferred</u> <u>Alternate</u>	Temporary Crossing:
les Bridges	[04.0 vs. turn by 2000] to [45.11.0004
Ice Bridge Portable Bridge	01 September,2023 to 15 July,2024
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing	Crossing Duration: Years
Arch Culvert Round Culvert X	Remove after Renewal Activities:
nstallation & Removal Notes:	
If a snow and ice crossing is used after harvest is completed the surface of t	he snow and ice crossing will be cleaned off and a trench will be
constructed to allow for flow during the spring melt. The snow and ice crossing	
A minimum 18" culvert required.	
After harvest is completed, the round culvert will be removed and the road at The area will be seeded with grass and if required straw mulch or erosion co	

PROPOSED CROSSING SNL-C14



LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Fax: 204-734-3646 Cut Block Name: SNL-010 Twp & Rge: t27r26w Cut Block Size: 70.5 ha **OPERATING AREA: Sinnott Lake** Ownership: Open Crown Mapsheet: 360568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Age (yr) Avg Ht (m) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 22.1 30 79% 154 10,875 TA ws BS BF 30 BA 22 4 9 618 4% 142 **WB** 15.8 18 1% 2 118 Clumped Total HW 84% 165 11,611 **Eco Land Classification Soils Summary** WS 18.8 27 2.174 16% 31 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type Moisture Surface Texture 0 .IP 0% 0 0 05 13 V Type nع 10 Clay Loam **S5** BF 0% 0 0 **Eco Site** 33 23 07 S3 Silty Sand Total SW 16% 2,174 31 10 S5 Clay Loam **Block Total:** 195 13,785 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 11,009 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 2,061 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ Located on N, S and W sides. Structure will be maintained. Harvest as shown on map. River 75-125 Valley River located on E side. Variable 75 to 125m buffer. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 564 to 846 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Beaked hazel is present throughout the block. Rose, alder, raspberry, thistle and blue-joint grass are present in small amounts. This block has moderately undulating topography. Maintain a max of 14 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Maintain some juvenile WS seed trees in WTP's where possible.

PRE-HARVEST CUT BLOCK PRESCRIPTION

RENEWAL COMMENTS SPECIES Species instruct Advanced Associated PREF. ALT. BA X					RE	MEWA		KESCKIP		URMATIO	IN				
Stepres Summary Stepres Summary Vear Action Area (ha) Alternate Stepres Summary Vear Action Area (ha) Alternate PRESCRIPTION REVIEW AND MITIGATION INTERNAL REVIEW PRESCRIPTION REVIEW AND MITIGATION STEPRESCRIPTION REVIEW AND MITIGATION	RENEWAL STRATEGY BY SPECIES SITE PREPARATIONS										SNOW CA	ACHE:	1		
PRESCRIPTION REVIEW AND MITIGATION INTERNAL REVIEW Planning Wild Light PRANCE Season Species Density Total PRESCRIPTION REVIEW AND MITIGATION INTERNAL REVIEW Planning Wild Light Planning Wild Light Submitted to Review Mild and North Season Submitted to Review Mild and North Season Mild Concerns and Comments Wild Concerns and Comments Wild Light Season Species Density Total PRESCRIPTION REVIEW AND MITIGATION EXTERNAL REVIEW Planning Wild Light Submitted To IRMT on 10/19/12 XI ALL IRMT CONCERNS MITIGATED Wild Season Submitted To IRMT on 10/19/12 XI ALL IRMT CONCERNS MITIGATED Wild Season Submitted To IRMT on 10/19/12 XI ALL IRMT CONCERNS MITIGATED Wild Season Submitted To IRMT on 10/19/12 XI ALL IRMT CONCERNS MITIGATED Wild Season Submitted To IRMT on 10/19/12 XI ALL IRMT CONCERNS MITIGATED Wild Season Submitted To IRMT on 10/19/12 XI ALL IRMT CONCERNS MITIGATED Wild Season Submitted To IRMT on 10/19/12 XI ALL IRMT CONCERNS MITIGATED Wild Season Submitted To IRMT on 10/19/12 XI ALL IRMT CONCERNS MITIGATED Wild Season Submitted To IRMT on 10/19/12 XI ALL IRMT CONCERNS MITIGATED Wild Season Submitted To IRMT on 10/19/12 XI ALL IRMT CONCERNS MITIGATED Wild Season Submitted To IRMT on 10/19/12 XI ALL IRMT CONCERNS MITIGATED Wild Season Submitted To IRMT on 10/19/12 XI ALL IRMT CONCERNS MITIGATED Wild Season Submitted To IRMT on 10/19/12 XI ALL IRMT CONCERNS MITIGATED Wild Season Submitted To IRMT on 10/19/12 XI ALL IRMT CONCERNS MITIGATED Wild Season Submitted To IRMT on 10/19/12 XI ALL IRMT CONCERNS MITIGATED Wild Season Submitted To IRMT on 10/19/12 XI ALL IRMT CONCERNS MITIGATED Wild Season Submitted To IRMT on 10/19/12 XI ALL IRMT CONCERNS MITIGATED Wild Season Submitted To IRMT on 10/19/12 XI ALL IRMT CONCERNS MITIGATED Wild Season Submitted To IRMT on 10/19/12 XI ALL IRMT CONCERNS MITIGATED Wild Season Submitted To IRMT on 10/19/12 XI ALL IRMT CONCERNS MITIGATED WILD Season Submitted To IRMT on 10/19/12 XI ALL IRMT CONCERNS MITIGATED WILD Season Submi						PRE									
WINTER RIPPER AREA PLANT Planting Summary Vear Action Area (ha) Alternate Vear Action Area (ha) Alternate Vear Season Species Density Total	TA BA	X X		H				DRAG MOUN				RENEW		S	
Vear Action Area (he) Alternate Vear Season Species Density Total	BS JP		x					_						TER	
Vear Action Area (he) Alternate Vear Season Species Density Total		Siteprep Summary						P	lanting Sur	nmarv		— г	s	urvev Summary	
Reforestation First 2027 RENEWAL COMMENTS/ISSUES: Investigate potential planting of softwood strata in block Areas of WS understory >500 stems/ha and <6m in height are located in the central and N portions of the block (plots 12, 22 and 40) INTERNAL REVIEW EXTERNAL REVIEW SUBMITTED TO IRNT on 10/19/12 ALL IRNT CONCERNS MITIGATED INTERNAL REVIEW WILDLIFFE Mitigation Strategy: INTERNAL REVIEW WILDLIFFE Mitigation Strategy: INTERNAL REVIEW SUBMITTED TO IRNT on 10/19/12 ALL IRNT CONCERNS MITIGATED INTERNAL REVIEW WILDLIFFE Mitigation Strategy: Identify softwood strata and renewal activities. Selective harvest of WS in buffer on Valley River. 30mR2 with 50% in RM2. Discuss retention of hardwood on windward side of BS leave area. Will add 5m buffer on windward side.	Year				Alternate	▎▕▔	'ear				Total	\dashv \vdash			
INTERNAL REVIEW PLANNING SUBMITTED TO IRMT on 10/19/12 X SILVICULTURE Mitigation Strategy: Mitigation S				11 (1)		▎▐▔		-			1 2 3 3 3	\dashv \vdash			
INTERNAL REVIEW X	Investiga	te potentia	al planting of	f softwood stra	<6m in height							2, 22 and	40)		
X WILDLIFE SILVICULTURE X SUBMITTED TO IRMT on 10/19/12 ALL IRMT CONCERNS MITIGATED			INTEDA	JAI DEVIEW		ESCRI	PTIO	N REVIE							
Identify softwood strata and renewal activities. Selective harvest of WS in buffer on Valley River. 30mRZ with 50% in RMZ. Discuss retention of hardwood on windward side of BS leave area. Will maintain some WS seed trees in WTP's. Silviculture will also review for potential planting in softwood areas. Discussed. Will leave buffer as stated. WS in buffer will act as seed trees. Will add 5m buffer on windward side.			X PL X WI X SII	Anning Ildlife					x	SUBMITT ALL IRM	ED TO IF				
Selective harvest of WS in buffer on Valley River. 30mRZ with 50% in RMZ. Discuss retention of hardwood on windward side of BS leave area. Discussed. Will leave buffer as stated. WS in buffer will act as seed trees. Will add 5m buffer on windward side.	IRMT Concern	ns and Com	iments:					Mitigat	ion Strategy:						Mitigat
	Selective I	harvest of	WS in buffe	r on Valley Riv	ver. 30mRZ wi			poter Discu	tial planting ssed. Will le	in softwood eave buffer a	areas. s stated.				

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Fax: 204-734-3646 Cut Block Name: SNL-011 Twp & Rge: t27r26w Cut Block Size: 14.8 ha **OPERATING AREA: Sinnott Lake** Ownership: Open Crown Mapsheet: 350568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Age (yr) Avg Ht (m) Vol (m3) Understory Stems/ha and Distribution 22.1 35 54% 156 2,301 TA ws BS BF 30 BA 18 6 10% 28 417 257 Uniform **WB** 16.8 29 4% 12 183 Total HW 68% 196 2.901 **Eco Land Classification Soils Summary** WS 19.1 31 1.363 32% 92 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type Moisture **Surface Texture** 0 .IP 0% n n 08 13 V Type 05 06 Clay Loam **S5** BF 0% O 0 **Eco Site** 32 34 07 S5 2 Silty Clay Loam Total SW 32% 1,363 92 **Block Total:** 289 4,264 Cover Type: N IBWC Cnt: 1 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 2,756 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 1,295 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLF TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS MFZ Located on N and NE sides. Structure will be maintained. Harvest as shown on map. Lake Wetland MFZ Located on E side. Structure will be maintained. Harvest as shown on map. MFZ Lake Berth Lake located on the W and S sides. Lake/floods are expanding. Structure will be maintained. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 118 to 177 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Beaked hazel is present throughout the block. This block is generally flat with some hills at the north end. Maintain a max of 2 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Maintain structure along small IBWC/alder swale located in the N end of the block near plot 8. Maintain some juvenile WS seed trees in WTP's where possible. Keep equipment and debris out of harvested area on the E side of the block.

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

	AL STRATEGY BY					RATIONS			SNOW CACHE:				
Species TA BA WB WS BS JP BF	X X X X	Assisted		PREF. AL	DRAG MOUN TRENG WINTE	D				AL ACCESS ATV HELICOPTER TRUCK			
Year	Siteprep Sun Action	Area (ha)	Alternate	Year	Season	Species	nmary Density	Total	\vdash	Survey Sum Type	Series	Year	
Teal	Action	Alea (lia)	Alternate	2023	Sp	WS	1600	7000		Plantation Survival	First	2024	
	1				•					Reforestation	First	2033	
	INTERI	NAL REVIEW		CRIPTION	I REVIE		ITIGATIOI						
	X	LANNING 'ILDLIFE ILVICULTURE				x	SUBMITTI ALL IRMT	ED TO IRMT CONCERNS					
IRMT Concern	s and Comments:				Mitigat	ion Strategy:						Mitigate	
std.	d trees or prescribe in cation of IBWC.	ncreased plant	ing to meet mixed	dwood	be pla	anted.	ould be suffici		. Appro	oximately half the block	will	x x	
					ott Lake - SN								

RENEWAL PRESCRIPTION INFORMATION

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: SNL-012 Twp & Rge: t27r26w Cut Block Size: 35.3 ha **OPERATING AREA: Sinnott Lake** Ownership: Open Crown Mapsheet: 350568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution 23.4 30 56% 103 3,646 TA 82 ws BS BF 22 23% BA 18.3 43 1,508 127 **WB** 13.5 15 1% 2 86 Clumped Total HW 80% 148 5,240 **Eco Land Classification Soils Summary** WS 20.3 35 1,310 20% 1st 2nd 3rd BS 0% LFH(cm) Moisture 0 S-Type Surface Texture 0 .IP 0% 0 n 08 04 V Type 05 09 Clay Loam **S5** BF 0% 0 0 **Eco Site** 32 52 05 S10 Clay Loam Total SW 20% 37 1,310 **Block Total:** 6,550 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 4,993 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 1,247 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ Located on SE, S central and N sides. Structure will be maintained. Harvest as shown on map Lake Emerald Lake located on the S side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 283 to 424 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Beaked hazel is present throughout the block. Alder and thistle are present in small amounts. This block has moderately undulating topography. Maintain a max of 7 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Maintain some juvenile WS seed trees in WTP's where possible.

PRE-HARVEST CUT BLOCK PRESCRIPTION

	IV.	ENEWAL PRES	SCRIPTION INFO	DRMATIO	N					
RENEWAL STRATEGY BY	SPECIES	SITE P	REPARATIONS		SNO	OW CA	CHE:			
Species Natural Advanced	Assisted	PREF. ALT.			REI	NEWAI	L COVERTYPE: H			
TA X			DRAG		DE	RENEWAL ACCESS				
ва х			MOUND		KE	NEWA				
WB X		HH	TRENCH			\vdash	ATV			
WS X		HH	WINTER RIPPER AREA PLANT			H	HELICOPTER TRUCK			
JP -	\vdash	ш ш	AUCE/CT E/UVI			Ш	TROOK			
BF H	H									
0:4		- I	District O		1					
Siteprep Sum Year Action	Area (ha) Alternate	Year S	Planting Sun Season Species	Density	Total	H	Survey Sum Type	Series	Year	
		1	эргэлэ				Reforestation	First	2027	
· · · · · · · · · · · · · · · · · · ·	_					_				
RENEWAL COMMENTS/ISSUE	:S:									
Investigate potential planting of	softwood strata in block.									
Area of WS understory >500 ste		is located in the N c	entral portion of the	block (plot 1	5). Clumps of	under	story will be			
protected in patches.				(-,		,			
	PF	RESCRIPTION I	REVIEW AND M	ITIGATIO	N					
INTERN	IAL REVIEW		EX	TERNAL R	EVIEW					
X PL	ANNING		L.	I спритт	ED TO IDMT	on 40/	40/42			
⊢	LDLIFE		X		ED TO IRMT					
⊢	LVICULTURE		<u>x</u>	ALL IRMT	CONCERNS	MILIC	AIEU			
X SIL	LVIOULIUINE		Mitigation Strategy:							
			miligation strategy:						Mitigato	
Discuss retaining/harvest of SW	peninsula and W side of S	E					la will be harvested. The		¬	
peninsula.					a it site condi	TIONS 2	IIOW.		¬	
I DOMINOOD STATE LEAVE SEED TOOL	s or prescribe planting to m	1661	SW peninsula will Silviculture will lo				of softwood strata		x	
Softwood stata. Leave seed tree mxdwd std.	es or prescribe planting to m	neet					of softwood strata.		x	
	es or prescribe planting to m	neet					of softwood strata.		x	
	es or prescribe planting to m	neet					of softwood strata.		x	
	s or prescribe planting to m	neet					of softwood strata.		x	
	s or prescribe planting to m	neet					of softwood strata.		x	
	s or prescribe planting to m	neet					of softwood strata.		x	
	s or prescribe planting to m	neet					of softwood strata.		x	
	s or prescribe planting to m	neet					of softwood strata.		x	
	s or prescribe planting to m	neet					of softwood strata.		x	
	s or prescribe planting to m	neet					of softwood strata.		x	
	s or prescribe planting to m	neet					of softwood strata.		x	
	s or prescribe planting to m	neet					of softwood strata.		X X	

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: SNL-015 Twp & Rge: t27r26w Cut Block Size: 52.1 ha **OPERATING AREA: Sinnott Lake** Ownership: Open Crown Mapsheet: 350568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Age (yr) Avg Ht (m) m3/ha Vol (m3) Understory Stems/ha and Distribution 21.0 63% 103 5,387 TA ws BS BF 30 BA 451 19 1 5% 9 140 Uniform 8 Clumped **WB** 106 17.4 30 22% 37 1,920 Total HW 90% 149 7,758 **Eco Land Classification Soils Summary** WS 110 19.6 34 15 780 1st 2nd 3rd BS 15.0 18 1% LFH(cm) S-Type Moisture 51 **Surface Texture** .IP 0% n n 08 04 V Type 05 **S10** Clay Loam 12 BF 0% 0 0 **Eco Site** 51 32 33 06 S5 2 Clay Loam Total SW 10% 831 16 06 S5 Clay Loam **Block Total:** 8,589 Cover Type: H IBWC Cnt: 4 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 7,450 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 805 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION FROZEN** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS MFZ Located on W side. Expanding flood. Harvest as shown on map Flood Wetland 30 Small round wetland located on W side. Harvest as shown on map. Wetland 15-45 Located on E side. Variable 15 to 45m buffer. Harvest as shown on map. Located on NW, N and NE sides. Variable 15 to 30m buffer. Harvest as shown on map. Wetland 15-30 WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 416 to 625 trees.

SEVERE EROSION RISK POTENTIAL:

HARVEST COMMENTS/ISSUES:

Beaked hazel is present throughout the block. Mountain maple, blue-joint grass, alder and fireweed are present in small amounts.

This block has moderately hilly topography.

Eagle nest on the wetland on the N side shows on our GIS system. Nest will be confirmed prioir to harvest. If in area shown harvest will be delayed in block until after nesting.

Maintain shrub and treed structure around small open wet areas located in the centre of the block and towards the N end of the block.

Snags found scattered throughout the block; maintain within WTP's where safe to do so.

Keep debris off existing trail through center of block.

Intermountain Logging may declare the birch from this block.

Maintain some juvenile WS seed trees in WTP's where possible.

Keep existing trail free of debris. Was Snowman Trail which is not used at this time.

PRE-HARVEST CUT BLOCK PRESCRIPTION

	RE	NEWAL PRES	SCRIPTION INF	ORMATIO	N					
RENEWAL STRATEGY BY	SPECIES	SITE P	PREPARATIONS		SN	OW CAC	HE:			
Species Natural Advanced	Assisted	PREF. ALT.			RE	NEWAL	COVERTYPE: H			
TA X			DRAG		DE	RENEWAL ACCESS				
BA X			MOUND	KENEV						
WB X		HH	TRENCH			\vdash	ATV			
WS X	\vdash	HH	WINTER RIPPER AREA PLANT			_	HELICOPTER TRUCK			
JP -	\vdash	шш	744274127441			Ш	TROOK			
BF H										
Siteprep Sum	ımarv	1	Planting Sur	nmary		1 [Survey Sur	nmary		
Year Action	Area (ha) Alternate	Year	Season Species	Density	Total	┪┝	Туре	Series	Year	
							Reforestation	First	2027	
Areas of WS understory >500 s trees will be left unharvested in	stems/ha are located in the S	S end of the block	(plots 1 and 5). Merc	chantable tre	es will be har	vested ar	nd unmechantable			
	PR	ESCRIPTION	REVIEW AND M	IITIGATIO	N					
INTERN	NAL REVIEW		EX	TERNAL R	EVIEW					
X PL	ANNING		x	SUBMITT	ED TO IRMT	on 10/24	1/11			
—	ILDLIFE		х	4	CONCERNS					
	LVICULTURE			_						
RMT Concerns and Comments:			Mitigation Strategy:						Mitigate	
Establish 2nd leave patch in cer Trail	ntral portion for LOS from Sn	ow Man	Will add patch are	ound plot 8					x	
Identify location of V4			Plots 1 and 2. No	action requi	red, harvest a	as norma	l.		х	
		Sinnot	t Lake - SNL-015							

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: SNL-016 Twp & Rge: t27r26w Cut Block Size: 22.4 ha **OPERATING AREA: Sinnott Lake** Ownership: Open Crown Mapsheet: 350568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Age (yr) Avg Ht (m) Vol (m3) Understory Stems/ha and Distribution 22.5 29 50% 102 2,286 TA 82 ws BS BF 23 BA 193 5 2% 111 255 Uniform **WB** 18.8 25 8% 17 381 Total HW 60% 124 2,778 **Eco Land Classification Soils Summary** 1,839 WS 22.1 32 82 1st 2nd 3rd BS 0% 0 LFH(cm) Moisture S-Type Surface Texture 0 .IP 0% 0 n V Type 08 13 06 Sandy Loam **S5** BF 0% 0 0 **Eco Site** 34 33 80 S5 2 Sandy Loam Total SW 40% 1,839 82 **Block Total:** 206 4,617 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 2,670 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 1,765 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ Located in center of block. Expanding flood. Harvest as shown on map. Flood Lake 30 Located on E side. Harvest as shown on map. Wetland Located on W and S side. Expanding flood/wetlands. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 179 to 268 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Beaked hazel is present throughout the block. This block has undulating topography. Maintain a max of 4 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Maintain some juvenile WS seed trees in WTP's where possible.

PRE-HARVEST CUT BLOCK PRESCRIPTION

				RE	ENEW	/AL P	PRES	CRIP	TION INF	ORMATIO	N						
RENEW	AL STRATI	EGY BY	SPECIES			SI	TE P	REPAF	RATIONS		SI	SNOW CACHE:					
Species	Natural A	dvanced	Assisted		F	REF.	ALT.				RE	RENEWAL COVERTYPE: N					
TA	х					ПП	П	DRAG									
ВА	x	П				П	П	MOUN	D		RI	ENEW	AL ACCESS				
WB	х	П						TREN	CH				ATV				
ws		х	х			WINTER RIPPER							HELICOPTER				
BS						Х	Ш	AREA	PLANT				TRUCK				
JP	Ш	Н	Н														
BF		Ш															
	Site	orep Sum	nmary] Г			Р	lanting Sui	mmary		7 [Survey Sur	nmary			
Year	Acti	on	Area (ha)	Alternate] [Year	· s	Season	Species	Density	Total] [Туре	Series	Year		
] [2023		Sp	WS	1400	23000		Plantation Survival	First	2024		
DENEWAL	COMMENT	0/100115	-0.										Reforestation	First	2033		
	COMMENT																
				located in the N	N portio	on of th	ne bloo	ck (plots	17 and 8).	Merchantabl	e trees will b	e harve	ested and				
			ft unharvested														
Leave m	ain road throi	ugh block	c open for rene	ewal.													
				PR	ESC	RIPTI	ON F	SEVIE	W AND I	MITIGATIO	N						
		INITEDA			LJC	XIF III	ON	VE AIF									
		INTER	NAL REVIEW	V					E2	(TERNAL R _	EVIEW						
		X PL	LANNING						х	SUBMITT	ED TO IRM	T on 10	0/24/11				
		\mathbf{H}	ILDLIFE						х	ALL IRM	CONCERN	IS MITI	IGATED				
		X SI	LVICULTURE							_							
IRMT Concern	ns and Comme	nts:						Mitigat	ion Strategy	:					Mitigated		
Close roa	d S of crossir	na SNI -C	C14 (SNL-1D-1	IB) after harve	st			OK W	/ill add com	ment to road	plan						
1			1A up to SNL-		Ot.					ment to road					X		
Leave AT	v access on	SINL-TD-	IA up to SINL-	014.				OK VI	illi add coill	inent to road	pian.						
								1									
															- 1		
I																	

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Fax: 204-734-3646 Cut Block Name: SNL-017 Twp & Rge: t27r26w Cut Block Size: 40.9 ha **OPERATING AREA: Sinnott Lake** Ownership: Open Crown Mapsheet: 350568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Age (yr) Avg Ht (m) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 22.5 32 76% 141 5,774 TA ws BS BF 83 30 BA 19 1 10% 19 774 205 Uniform 316 **WB** 18.2 32 2% 4 153 Clumped Total HW 88% 164 6,701 **Eco Land Classification Soils Summary** WS 18.5 29 822 52 20 1st 2nd 3rd BS 0% 0 0 LFH(cm) S-Type Moisture **Surface Texture** .IP 0% n n 13 V Type 05 08 05 Sandy Loam **S3** BF 13.3 22 1% 52 **Eco Site** 22 80 S3 Sandy Loam Total SW 12% 874 21 S3 Sandy Loam 11 **Block Total:** 7,575 Cover Type: H IBWC Cnt: 1 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 6,385 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 866 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT SHELTERWOOD** WHOLE TREE **UNDERSTOREY PROTECTION** PILE & BURN **FROZEN SELECTION** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Flood MFZ-15 Located on E and S sides. Expanding floods. Variable MFZ to 15m buffer. Harvest as shown on map. MFZ-15 Located on N side. Expanding floods. Variable MFZ to 15m buffer. Harvest as shown on map. Wetland WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 327 to 491 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has moderately undulating topography. Beaked hazel and blue-joint grass are present throughout the block. Maintain shrub and treed structure around open wet areas found in S half of the block. Maintain a max of 8 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Maintain 15 m total buffer (7.5m each side) of IBWC located in center of block. The feature runs across block from just N of plot 14 to the flood just E of plot 13. Part of this feature is identified by leave patches. Maintain some juvenile WS seed trees in WTP's where possible. Keep trees and equipment out of old harvest area on W side.

FML 3 2023 - Contingency

				RE	NEW/	AL P	KE	SCRIP	TION IN	FU	RIVIATIO	V					
RENEW	VAL STR	ATEGY BY	SPECIES			SIT	TE F	PREPAI	RATIONS	3			SNOW	САСН	E:		
Species	Natural	Advanced	Assisted		PF	REF.	ALT						RENEW	VAL C	OVERTYPE: H	I	
TA	х					\exists [DRAG					RENEV	WAI A	ACCESS		
ВА	х	Ш	Ц		L	┙╏		MOUN						_			
WB	х	Ш	Ш		<u> </u>	╛┞		TREN		_			L	→	TV		
ws	Ш	X	Н		H	┩┟			ER RIPPE	R			L	_	IELICOPTER		
BS		H	Н		L	L		AREA	PLANT				L		RUCK		
JP BF	\blacksquare	H	Н														
БГ																	
	s	iteprep Sun						F	Planting S							Summary	
Year		ction	Area (ha)	Alternate	L	Year	4	Season	Specie	s	Density	Total	_		Type	Series	Year
					L										Reforestation	First	2027
with con	centrated	clumps to Bi	F being mainta	ined.													
					ESCR	IPTIO	ON	REVIE			TIGATIO						
		INTERI	NAL REVIEW	1					E	EXTI	ERNAL R	EVIEW					
			LANNING							X	SUBMITT	ED TO IF	RMT on 1	10/24/	11		
			/ILDLIFE							X	ALL IRMT	CONCE	RNS MI	TIGAT	ED		
			ILVICULTURE														
MT Concer	ns and Con	nments:						Mitiga	tion Strateg	jy:							Mitigated
No conce	erns.							OK.									x
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LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Size: 11.5 ha Cut Block Name: SNL-056 Twp & Rge: t27r27w **OPERATING AREA: Sinnott Lake** Ownership: Open Crown Mapsheet: 350569 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution 22.9 29 81% 167 1,924 TA ws BS ВF ВА 29 22 0 28 320 13% 50 **WB** 19.5 22 6% 13 145 Clumped Total HW 100% 208 2,389 **Eco Land Classification Soils Summary** WS 0 1st 2nd 3rd BS 0% LFH(cm) 0 0 S-Type Moisture Surface Texture JP 0% 0 n V Type 05 Silty Clay 80 **S5** BF 0% 0 0 **Eco Site** 32 Total SW 0% 0 0 **Block Total:** 208 2,389 Cover Type: H IBWC Cnt: 1 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Quota Holder/LP HARDWOOD VOLUME (m3): 2,270 SOFTWOOD ALLOCATION: Quota Holder/SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ-15 Located on the E side. Variable MFZ to 15m buffer. Harvest as shown on map Flood Wetland MFZ Located on S and W sides. Structure will be maintained. Harvest as shown on map. 0-MFZ Roads Located on the N side. Structure may be maintained along road where possible. Road will be used to pile wood. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 92 to 138 trees. SEVERE EROSION RISK POTENTIAL: x **HARVEST COMMENTS/ISSUES:**

FML 3 2023 - Contingency

				RE	ΝE	WAL PR	ESCRIPT	TION INFO	ORMATIO	N						
	RENEWAL STRATEGY BY SPECIES species Natural Advanced Assisted PREF. ALT.							ATIONS				CACHE	E: DVERTYPE:	н		
TA BA WB WS BS JP BF	X X X	X	Assisted				DRAG MOUN TRENG WINTE					WAL A	ACCESS TV ELICOPTER RUCK			
	<u> </u>				l						_		0	0		
Year	_	ction	Area (ha)	Alternate		Year	Season	lanting Sun Species	Density	Total	\dashv		Type	ey Sum	Series	Year
Teal	 	Ction	Area (IIa)	Alternate		leai	Season	Species	Delisity	Total	\dashv		Reforestation	n	First	2028
		X PL	NAL REVIEW ANNING		ES	CRIPTIO	N REVIE		-							
IRMT Concert	ns and Com		LVICULTURE				Mitigat	on Strategy:								Mitigate
Visual scr landing m	reen on roa nake spur r / end at E s lock to S. ne limitatio	ad, 30m tree oad.	arrow area W	of plots 6 and an a case by ca	7.		This i 150 to roads buffer harve on a l Spur an im See o likely	s a road buf o 250m wide to capture to s. The block st block or a buffer harve- roads in sm- pact forest roomment ab	ifer harvest verand only 1 this wood instance is behind the after it had reast. Spur road all blocks occepeneration out visual sovested. Nee	1.5 ha's. Na stead of lea buffer harv eached adja ds are impro cupy too la i, particularl creen. Also	arrow b aving the vest wat acency, actical arge of a ly on su	olocks whis wood is either and cannot conthes a % of a ummer will trap w	ind it. The bilivere designed as perman rout before to tleave 30n se small buffarea, having ground.	ed along ent the buffer n buffer er block too larg	er «s.	x x

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 Cut Block Name: SNL-202 Twp & Rge: t27r27w Cut Block Size: 28.1 ha **OPERATING AREA: Sinnott Lake** Ownership: Open Crown Mapsheet: 350568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Age (yr) Avg Ht (m) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 20.1 32 52% 67 1,875 TA 75 ws BS BF 61 31 BA 18.0 9 242 7% **WB** 0% 0 0 63 Clumped Total HW 58% 75 2,117 **Eco Land Classification Soils Summary** 1,510 WS 19.7 30 97 42% 54 1st 2nd 3rd BS 0% LFH(cm) 0 S-Type Moisture Surface Texture 0 .IP 0% 0 n V Type 08 13 Silt Loam 05 **S6** BF 0% 0 0 **Eco Site** 23 Total SW 42% 1,510 54 **Block Total:** 129 3,627 Cover Type: N IBWC Cnt: 1 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 2,035 SOFTWOOD ALLOCATION: SPL/Quota Holder SOFTWOOD VOLUME (m3): 1,452 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **UNDERSTOREY PROTECTION** PILE & BURN **FROZEN SELECTION** DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ Flood Located in the central portion of block. Floods expanding. Harvest as shown on map. MFZ Located on W and E sides. Structure will be maintained. Harvest as shown on map. Wetland WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 225 to 337 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Recommend harvesting this block with block SNL-203 due to the expanding floods and blowdown. Patches of blowdown located on the east side of the block. Merchantable trees will be salvaged if feasible. Beaver floods in and around this block are expanding. Area has been removed from the block prior to survey and more flooded area was evident during Maintain a maximum of 5 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible. Maintain some juvenile WS seed trees in WTP's where possible. Keep equipment and debris out of harvested area located on N side.

FML 3 2022 - Harvest

RENEW	AL STRATEGY BY	SPECIES		SITE	PREPAR	ATIONS		SNO	W CA	CHE:		
Species	Natural Advanced	Assisted		PREF. AL	т.			REN	EWAL	. COVERTYPE: N		
TA BA WB WS BS JP	x x	х		x	DRAG MOUNI TRENC WINTE AREA I	CH R RIPPER		REM	X	ATV HELICOPTER TRUCK		
BF	H	Ħ										
										Sumana Sum		
Year	Siteprep Sumi Action	Area (ha)	Alternate	Voor		lanting Sun		Total		Survey Sum Type	Series	Year
Teal	Action	Area (IIa)	Alternate	Year 2023	Season Sp	Species WS	Density 1400	Total 11880		Plantation Survival	First	2024
	COMMENTS/ISSUE				· ·		1400	11000		Regeneration	First	2033
IBMT Concern	X PL	AL REVIEW ANNING LDLIFE VICULTURE		SCRIPTION			TERNAL R					Mitigate
												¬ _
Either no c 4, access f 300 m LOS		or consider s	plitting block W o	of plot	make	crossing dit having to c	ficult. Acces	makes sense. s across the pr hrough the fen	ivate l	is flooding that may and to the south would		x
					ott I ake - SNI							

RENEWAL PRESCRIPTION INFORMATION

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 Cut Block Name: SNL-203 Twp & Rge: t27r26w Cut Block Size: 11.3 ha **OPERATING AREA: Sinnott Lake** Ownership: Open Crown Mapsheet: 350568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Age (yr) Avg Ht (m) Vol (m3) Understory Stems/ha and Distribution 20.2 28 53% 183 2,070 TA ws BS BF BA 0% 0 0 33 **WB** 19.0 33 4% 14 162 Clumped Total HW 57% 198 2,232 **Eco Land Classification Soils Summary** 1,696 WS 19.0 26 150 75 43% 1st 2nd 3rd BS 0% LFH(cm) Moisture 0 S-Type Surface Texture 0 JP 0% 0 n V Type 13 Silty Sand 06 **S3** BF 0% 0 0 **Eco Site** 23 Total SW 43% 1,696 150 **Block Total:** 348 3,928 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 2,120 SOFTWOOD ALLOCATION: SPL/Quota Holder SOFTWOOD VOLUME (m3): 1,611 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ Located on the N and S sides of block. Structure will be maintained. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 90 to 136 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Rose, mountain maple and beaked hazel are present in this block. This block has relatively flat topography. Require 300m LOS for elk management. Maintain a maximum of 2 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible.

FML 3 2022 - Harvest

ILDING SOLUTIO	Fax: 204-73	4-3646											
			RE	ΝE	WAL PR	ESCRIPT	ION INFO	ORMATIO	N				
	L STRATEGY BY				SITE PREF. AL	PREPAR	ATIONS				ACHE:		
TA BA WB WS BS JP BF	x x x	x			x	DRAG MOUN TRENC WINTE AREA	CH R RIPPER		RE	X	AL ACCESS ATV HELICOPTER TRUCK		
	Sitonron Sun	mary.					lanting Sun	nmon.		Г	Survey Sur	mmary	
Year	Siteprep Sun Action	Area (ha)	Alternate		Year	Season	anting Sun Species	Density	Total	F	Туре	Series	Year
1 1 1		1 1 1 1 (1 1 1)			2023	Sp	ws	1800	7920	F	Plantation Survival	First	2024
	OMMENTS/ISSUE										Regeneration	First	2033
	INTERI	NAL REVIEW		ESC	CRIPTION	N REVIE		IITIGATIO TERNAL R					
	x w	ANNING ILDLIFE LVICULTURE					x		ED TO IRMT				
IRMT Concerns	and Comments:					Mitigati	on Strategy:						Mitigated
Do not reus Require 300	ee road 2C-1A.					Agree Agree							x

Sinnott Lake - SNL-203

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 Cut Block Name: SNL-204 Twp & Rge: t27r27w Cut Block Size: 29.1 ha **OPERATING AREA: Sinnott Lake** Ownership: Open Crown Mapsheet: 350568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Ht (m) Avg Age (yr) Understory Stems/ha and Distribution 37 16% 26 753 TA 21.0 ws BS BF 33 28 BA 17% 814 20.4 100 **WB** 19.0 25 12% 20 567 Clumped Total HW 45% 73 2,134 **Eco Land Classification Soils Summary** WS 18.4 24 2.644 55% 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type Moisture **Surface Texture** 0 .IP 0% n n 05 08 V Type 13 Silty Sand 02 **S6** BF 0% 0 0 **Eco Site** 23 22 80 S6 Sandy Clay Loam Total SW 55% 2,644 91 **Block Total:** 4,778 Cover Type: M IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP/Quota Holder HARDWOOD VOLUME (m3): 2,028 SOFTWOOD ALLOCATION: SPL/Quota Holder SOFTWOOD VOLUME (m3): 2,511 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS 15-30 Phoneline Lake and unamed lake on N side of block. Variable 15 to 30m buffer. Harvest as shown on map. Lake Lake 15-30 Located on W side of block. Variable 15 to 30m buffer. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 232 to 349 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Beaked hazel is present throughout the block This block has moderately undulating topography. There are pockets of blow down in the north side of this block. Merchantable material will be salvaged only if feasible. Require 300m LOS for elk management. Maintain a maximum of 5 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible.

FML 3 2022 - Harvest

			RE	NEWAL P	RESCRIP'	TION INF	ORMATIC	ON				
RENEW	AL STRATEGY BY	Y SPECIES		SI	TE PREPAI	RATIONS		SNO	W CA	ACHE:		
Species		Assisted		PREF.						L COVERTYPE: M		
TA	x				DRAG							
ВА	Ĥ H	H		H	MOUN			REN	NEW/	AL ACCESS		
WB	$\frac{\hat{x}}{x}$	H			TREN	СН			х	ATV		
ws		х			WINTE	ER RIPPER			П	HELICOPTER		
BS	н п			х	AREA	PLANT			П	TRUCK		
JP		П										
BF												
	Siteprep Sur	mmary		1		Planting Sui	mman/		Г	Survey Sur	nmary	
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	F	Туре	Series	Year
100.	7.0	702 ()	7	2023	Sp	WS	1800	31680	F	Plantation Survival	First	2024
	ı		ı	. L	1 ''	1	1	1 0.000		Regeneration	First	2033
RENEWAL	COMMENTS/ISSU	IES:							_			
Ensure re	oad closure to accom	modate ATV a	ccess. Whole	block will be	olanted.							
Lilouro	odd Globard to docon	inodato / tr v d	ioocoo. Whole	DIOOK WIII DO	piantou.							
			DD	ECCDIDTI	ON DEVIE	W AND A		NA .				
			PR	ESCRIPTI	ON REVIE							
	INTER	NAL REVIEW	V			EX	(TERNAL F	REVIEW				
	X P	PLANNING				х	1 SUBMIT	TED TO IRMT	on 10 /	/30/15		
	—	VILDLIFE				x	-	T CONCERNS				
	— —	SILVICULTURE	=			Ŀ	ALL IIXIVI	CONCERNS	IVIIII	GATED		
IBMT Concern	ns and Comments:	JEVIO DE I DI LE	=		Misimos	ian Ctuatamu						Mitigatad
IRWIT Concern	is and Comments:				Wiltigat	ion Strategy:	:					Mitigated
Require 3	00m LOS.				Agre	ed.						х
					ı							l l

Sinnott Lake - SNL-204

PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Cut Block Size: 44.3 ha Cut Block Name: SNL-802 Twp & Rge: t27r26w **OPERATING AREA: Sinnott Lake** Ownership: Open Crown Mapsheet: 350569 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Age (yr) Avg Ht (m) Vol (m3) Understory Stems/ha and Distribution 20.1 27 65% 116 5,147 TA ws BS BF ВА 27 14% 25 1,115 18.9 270 Uniform 20 **WB** 19.0 25 2% 4 161 Clumped Total HW 81% 145 6,423 **Eco Land Classification Soils Summary** WS 19.4 34 1,551 83 35 1st 2nd 3rd BS 0% 0 LFH(cm) Moisture S-Type Surface Texture 0 JP 0% 0 n 05 V Type 08 13 06 Clay Loam **S5** BF 0% 0 0 **Eco Site** 32 Total SW 19% 1,551 35 **Block Total:** 7,974 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Quota Holder/LP HARDWOOD VOLUME (m3): 6,102 SOFTWOOD ALLOCATION: Quota Holder/SPL SOFTWOOD VOLUME (m3): 1,473 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ Located along S side. Variable MFZ to 30m buffer. Harvest as shown on map Wetland 15-30 Located on the NW and W sides. Variable 15 to 30m buffer. Harvest as shown on map. Meadow 15 Located on the E side. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 355 to 532 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Keep existing trail on the E side free of debris. Maintain some juvenile WS seed trees in wind firm patches. Keep equipment and debris out of harvested areas located on the N, W and S sides.

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

RENEWAL PRESCRIPTION INFORMATION	
RENEWAL STRATEGY BY SPECIES SITE PREPARATIONS SNOW CACHE:	
Species Natural Advanced Assisted PREF. ALT. RENEWAL COVERTYPE: H	
TA X DRAG	
BA X MOUND RENEWAL ACCESS	
WB X TRENCH ATV	
ws X HELICOPTER	
BS AREA PLANT TRUCK	
JP	
Siteprep Summary Planting Summary Survey Sum	mary
Year Action Area (ha) Alternate Year Season Species Density Total Type	Series Year
Reforestation	First 2027
RENEWAL COMMENTS/ISSUES:	
Area of WS understory >500 stems/ha and <6m in height is located in the W portion of the block (plot 3). Clumps of understory will be protected in	
patches.	
PRESCRIPTION REVIEW AND MITIGATION	
INTERNAL REVIEW EXTERNAL REVIEW	
X PLANNING X SUBMITTED TO IRMT on 10/18/19	
X WILDLIFE X ALL IRMT CONCERNS MITIGATED	
X SILVICULTURE	
IRMT Concerns and Comments: Mitigation Strategy:	Mitigate
Retain some mature WS in patches for seed trees to maintain WS % In the past we've left big sailors that have blown over. We'll leave 20-40	
in renewal. year-old WS in wind firm patches to provide seed source.	<u> x</u>
Block is TTR traplines 3 and 4. Request deferral until community Leave in as 2020 Harvest for a quota holder. Small portion of their trap line	e x
concerns addressed. area on peripheral.	

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Fax: 204-734-3646 Cut Block Name: SNL-804 Twp & Rge: t27r26w Cut Block Size: 35.9 ha **OPERATING AREA: Sinnott Lake** Ownership: Open Crown Mapsheet: 350569 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Age (yr) Avg Ht (m) Vol (m3) Understory Stems/ha and Distribution TA 28 66% 162 5,821 73 21.6 ws BS ВF ВА 0 0% 0 288 Uniform **WB** 16.3 22 7% 18 656 50 Clumped Total HW 74% 180 6,477 **Eco Land Classification Soils Summary** WS 25.6 46 109 26% 64 2.297 1st 2nd 3rd BS 0% LFH(cm) Moisture 0 S-Type **Surface Texture** 0 JP 0% 0 n 08 V Type 05 13 Clay Loam 09 **S6** BF 0% 0 0 **Eco Site** 33 Total SW 26% 2,297 64 **Block Total:** 244 8,774 Cover Type: N IBWC Cnt: 2 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Quota Holder/LP HARDWOOD VOLUME (m3): 6,153 SOFTWOOD ALLOCATION: Quota Holder/SPL SOFTWOOD VOLUME (m3): 2,182 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS MFZ Flood Located on all sides of block. Floods are expanding. Structure will be maintained. Harvest as shown on map 15 Roads Located on the W side. Maintain structure along road. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 288 to 431 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** The floods in this area have expanded substantially Maintain structure on small IBWC located in the NE finger of block.

FML 3 2023 - Harvest

LDING SOLU	TIONS Fax	: 204-734	1-3646													
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				K	INEWA	AL PI	KESUR	KIP I I	ON INF	ORMATIO	IN			_		
RENEV	VAL STRAT	EGY BY	SPECIES			SIT	E PREI	PARA	ATIONS			SNO	W CA	CHE:		
Species	Natural /	Advanced	Assisted		PRI	EF. /	ALT.					REN	EWAL	COVERTYPE: N		
TA	x		Ц		<u> </u>	╛┟	_	RAG				REN	IEWA	L ACCESS		
BA	Н	Н	Н		-	┦┝	_	DUND								
WB WS	X	 	H		⊢	┨┠		RENCH	n Ripper				Н	ATV HELICOPTER		
BS	Н	Ĥ	H		5	┧┟	_	REA P					x	TRUCK		
JP	H	\Box	Н		Ľ	ù L							ث	moon		
BF	П		Ħ													
					1 —			DI-	4:					Sumov	Cummon	
Year	Act	prep Sum	Area (ha)	Alternate	┤	Year	Seas		nting Sun Species	Density	Tota	,	-	Type	Summary Series	Year
i eai	ACI		Alea (lia)	Alternate	1 ⊢	2024	Sp	$\overline{}$	WS	1600		1210		Plantation Survival		2025
					,					1000		1210		Regeneration	First	2034
RENEWAL	COMMENT	rs/Issue	S:										_	-		
Leave A	ATV access so	o seedling	s can be deliv	ered to the mi	ddle of th	ne bloc	ck.									
			stems/ha and	<6m in height	are locat	ed in t	the cent	ral poi	rtion of the	block (plots	11 and	15). CI	umps	of understory will be	е	
protecte	ed in patches.															
				-				V(I=V)	/ AND V	UTIO ATIO						
					ESCRI	PHC)N RE	VIEW		ITIGATIO		J				
		INTERN	IAL REVIEW	/					EX	TERNAL R	EVIEW					
		X PL	ANNING						х	SUBMIT	TED TO I	IRMT o	on <mark>9/1</mark>	5/21		
		X W	ILDLIFE						х	4						
		X SII	LVICULTURE							-						
IRMT Conce	rns and Comm	ents:					Mi	itigatio	n Strategy:							Mitigated
Increase	the MFZ on t	he road to	50m treed bu	uffer.			V	Vould	prefer to re	educe to 15r	n. There	are pl	entv o	of shrubs and small	trees	x
			,				th	nat wil	I create a l	LOS break.	Due to ti	me lim	itation	ns, this will have to b		
Minimal		loft for all a	ntina C	roting cooper	morel					ase by case	basis, at	the tin	ne of h	narvest.		
commen		left for plai	nting. See ope	erating area ge	eneral		A	greed	l.							х
	.															

Sinnott Lake - SNL-804



LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

Integrated Operations by Operating Area

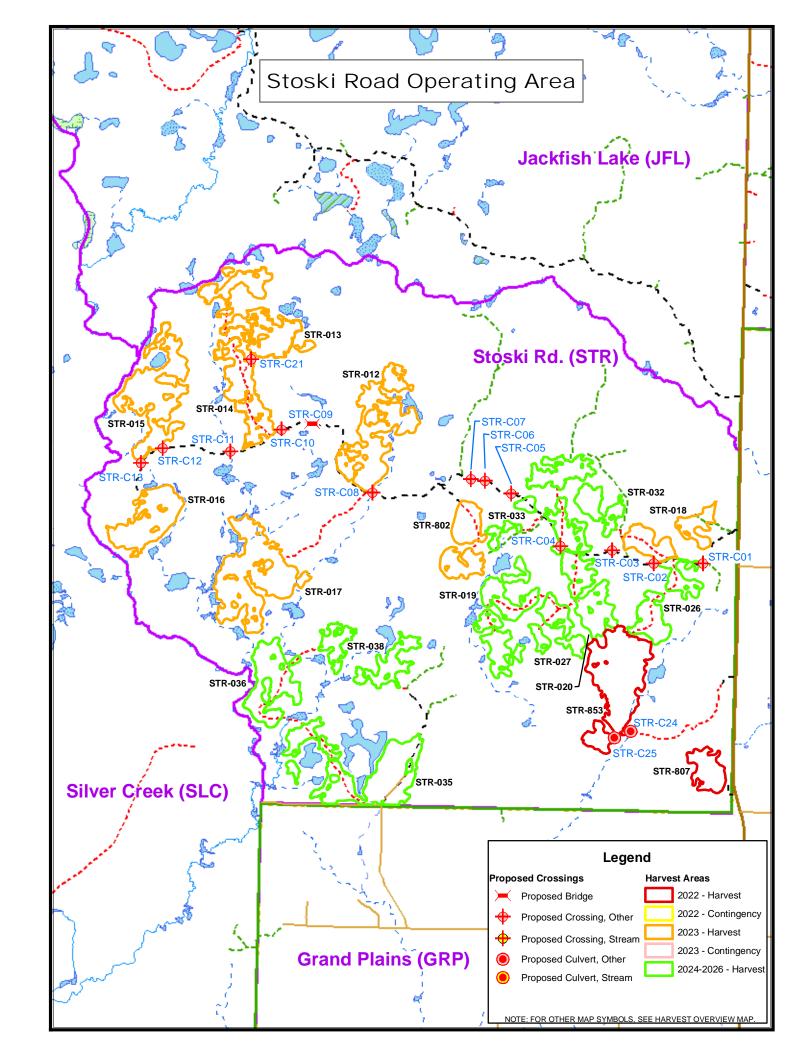
Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

Stoski Rd. **FMU 13**

STR-012	74.96 Hectares		2023 Harvest
HW Allocation	10,442 m3	LP	
SW Allocation	1,193 m3	SPL	
STR-013	61.80 Hectares		2023 Harvest
HW Allocation	8,253 m3	LP	
SW Allocation	1,427 m3	SPL	
STR-014	45.75 Hectares		2023 Harvest
HW Allocation	9,470 m3	LP	
SW Allocation	843 m3	SPL	
STR-015	72.25 Hectares		2023 Harvest
HW Allocation	12,227 m3	LP	
SW Allocation	2,218 m3	SPL	
STR-016	47.71 Hectares		2023 Harvest
HW Allocation	6,136 m3	LP	
SW Allocation	871 m3	SPL	
STR-017	91.12 Hectares		2023 Harvest
HW Allocation	8,072 m3	LP	
SW Allocation	3,639 m3	SPL	
STR-018	48.02 Hectares		2023 Harvest
HW Allocation	5,002 m3	LP	
SW Allocation	584 m3	SPL	
STR-802	37.99 Hectares		2023 Harvest
HW Allocation	3,000 m3	LP	
SW Allocation	500 m3	SPL	
STR-807	21.17 Hectares		2022 Harvest
HW Allocation	100 m3	LP	
SW Allocation	105 m3	Quota Holder	
STR-853	87.43 Hectares		2022 Harvest
HW Allocation	7,860 m3	LP/Quota Holder	
SW Allocation			

FML 3	2022 - 2024	OP



Internal Mitigation Comments

General

Operating Area	Concern	Manitoba	Action/Response
Stoski Road	Access Control	Where ATV access is to be left for renewal purposes, only one central access may be retained. No in block spur roads are to be left. A limited number of strategically distributed helicopter landing areas may be left on roads and landings. Access to be closed following completion of planting activities by no later than July 31, unless separate approval is applied for.	Agreed. Will determine on a site by site basis

Site Specific

Block	Concern	Manitoba	Action/Response
STR-853	Access Control	Minimal access to be left for planting. See Operating Area General Comment about planting access.	Agreed.
		If alternate access is to be used, remove 50m of block near STR-020 and STR-026.	Access from the north is frozen only. There are 2 crossings on the access which will melt restricting access. Can remove area from STR-020 if alternate access from north is used.
STR-012	Age of Mitigation	Last mitigated in 2014. Will revisit mitigation at permit time.	
STR-013	Age of Mitigation	Last mitigated in 2014. Will revisit mitigation at permit time.	
STR-014	Age of Mitigation	Last mitigated in 2014. Will revisit mitigation at permit time.	
STR-015	Age of Mitigation	Last mitigated in 2014. Will revisit mitigation at permit time.	

STR-016	Age of Mitigation	Last mitigated in 2014. Will revisit mitigation at permit time.
STR-017	Age of Mitigation	Last mitigated in 2014. Will revisit mitigation at permit time.
STR-802	Age of Mitigation	Last mitigated in 2014. Will revisit mitigation at permit time.
STR-807	Age of Mitigation	Last mitigated in 2005. Will revisit mitigation at permit time.
STR-018	No concerns	Mitigated less than five years ago.

Roads Stoski Road

S	TR-1A t	o 1J (exist	ting)]			d Develo	pment	
Road De	evelopn	nent:		_	Comme This is the		access t	o STR-	012 to 018 and 802. This is an existing road
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespan of Road (yrs)	which is	used as	s a Snow	man Tra	ail.
10.6	15	6	Frozen	50					
Road De	eactivati	on:	2	0 C D W	о	_	Sit	_	
Road Clos Responsi			Relicva	and Debris Crossing	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer	- · · · ·					V	This is an existing trail which will remain open.
ST	R-1B-4	A (conting	ency)		Addition Comme		d Develo	pment	
Road De	evelopn	nent:		_			ontingend	y acces	ss to block STR-853. It will only be used if roads
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespan of Road (yrs)	STR-4A	and 4B	are not u	ised.	
1.4	15	6	Frozen	1					
Road De	eactivati	on:	2	ος _D , σ) тп	_	Sit	7	
Road Clos Responsi			Kellova	and Debris Crossing	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
Quota Hol	der	Post-Ha Post-Rer	-	V					The first 50m of this road will be closed with slash and debris. ATV access is required for renewal activities.
STR	R-1F-1A	and 1B (ex	cisting)]			d Develo	pment	
Road De	evelopn	nent:		_	Comme These ro		cess bloc	k STR-	802.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespan of Road (yrs)					
0.4	15	6	Frozen	50					
Road De	eactivati	on:	2	ο C) mm	_	Sit	-	
Road Clos Responsi			Kelliova	and Debris Crossing	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer	<u> </u>					✓	This is an existing trail which will remain open.

STR-1G-1A Additional Road Development Comments Road Development: This road accesses block STR-017. Road **ROW** Season of Lifespan Road Length Width **Surface** Use of Road (km) (m) Width (m) (yrs) 1.5 15 6 Frozen 1 Road Deactivation: Site Prep **Additional Road Closure Road Closure** Comments Responsibility Post-Harvest LP The first 100 m of this road will be closed with Post-Renewal debris. **Additional Road Development** STR-1H-1A Comments Road Development: This road goes through STR-014 to access STR-013. ROW Road Road Season of Lifespan Length Width **Surface** Use of Road Width (m) (yrs) (km) (m) 1.3 15 6 Frozen 1 Road Deactivation: Site Prep Slash and Debris Earth Berm None **Additional Road Closure Road Closure** Comments Responsibility Post-Harvest LP This road will be closed with debris for the first Post-Renewal 100m and at selected locations in block STR-014. Selected locations include landings and areas where debris accumulates. Crossing STR-C21 will also melt restricting access. Additional Road Development STR-4A (existing) Comments Road Development: This road is part of the access to block STR-853. This road was used in 2017 to access block STR-809 and 2020 to access block STR-854. ROW Road Road Season of Lifespan Length Width Surface Use of Road (km) Width (m) (yrs) (m) 0.2 20 8 Dry/Frozen 1 Road Deactivation: Site Prep Slash and None **Additional Road Closure Road Closure** Comments Responsibility Post-Harvest SPL/Quota Holder This road will be closed with slash and debris. Post-Renewal Additional Road Development STR-4B **Road Development:** This road accesses block STR-853. This is a dry/frozen road which will allow earlier access to this block and avoid using the Snowman trail in the winter. ROW Road Road Season of Lifespan Length Width Surface Use of Road Width (m) (km) (m) (yrs)

Dry/Frozen

1

8

2.1

20

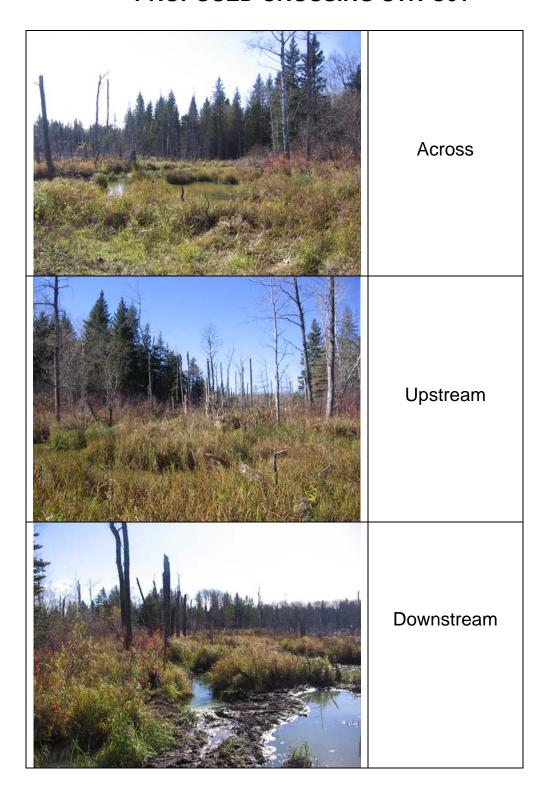
Road Deactivati	<u>ion:</u>	Re Re	ص م	B E	_	Site	7	
Road Closure Responsibility		emoval	lash and ebris	arth Berm	Gate	e Prep	lone	Additional Road Closure Comments
SPL	Post-Harvest Post-Renewal		y					This road will be closed with slash and debris in block STR-809 after renewal activities. ATV access is requried for renewal and survey purposes.



Swan River, MB, R0L 1 Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

Crossing Name: STR-C01	Ownership: LP
_	· —
Operating Area: Stoski Rd. UTM Northing: 5688227	Contingency Crossing: UTM Easting: 381255
Stream Type: Other Watercourse	
Watercourse Name: N/A	Land Description: SE-25-27-24-W Crossing Inspection Date: 20-August-2007
Channel Width (m): N/A	Stream Assessment Required:
Water Depth (m): N/A	Stream Assessment Complete:
Road Name: STR-1B	
Node Name: STR-IB	
Site Description:	
This is an existing crossing location. The road was last used in 2004. Dams may be	e removed to lower water level
This is all existing crossing location. The road was last used in 2004. Built may be	e femoved to lower water level.
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Durfamed Allemate	
<u>Preferred</u> <u>Alternate</u>	Temporary Crossing:
Ice Bridge	01 December,2023 to 31 March,2024
Portable Bridge	
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing Arch Culvert	Crossing Duration: Years
Round Culvert	Remove after Renewal Activities:
	Nemove after Nemewar Activities.
Installation & Removal Notes:	
A small subject may also be installed with the service of the last	The dame may also be removed to be removed to
A small culvert may also be installed with the snow and ice to allow flow through th levels.	te crossing. The dams may also be removed to lower water
After harvest is complete the surface of the snow and ice crossing will be cleared a	and a trench will be constructed to allow for flow during
spring melt. If a culvert is used it will be removed after harvest. The crossing will m	

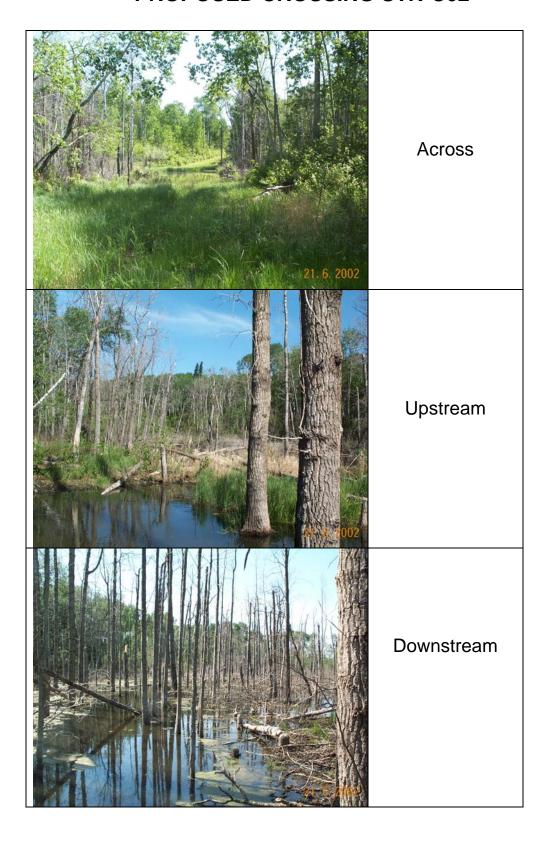




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WATER CROSSING PRESCRIPTION

Crossing Name: STR-C02	Ownership: LP
Operating Area: Stoski Rd.	Contingency Crossing:
UTM Northing: 5688229	UTM Easting: 380585
Stream Type: Other Watercourse	Land Description: NW-24-27-24-W
Watercourse Name: N/A	Crossing Inspection Date: 20-August-2007
Channel Width (m): N/A	Stream Assessment Required:
Water Depth (m): N/A	Stream Assessment Complete:
Road Name: STR-1B	
Site Description:	
This is an existing crossing location. The road was last used in 2004. Dams may	y be removed to lower water level.
,	
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Preferred Alternate	
Freierred Atternate	Temporary Crossing:
Ice Bridge	01 December,2023 to 31 March,2024
Portable Bridge	
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing	Crossing Duration: Years
Arch Culvert Round Culvert	
	Remove after Renewal Activities:
Installation & Removal Notes:	
A small culvert may also be installed with the snow and ice to allow flow through levels.	the crossing. Dams may also be removed to lower water
After harvest is complete the surface of the snow and ice crossing will be clearer	d and a trench will be constructed to allow for flow during
spring melt. If a culvert is used it will be removed after harvest. The crossing will	

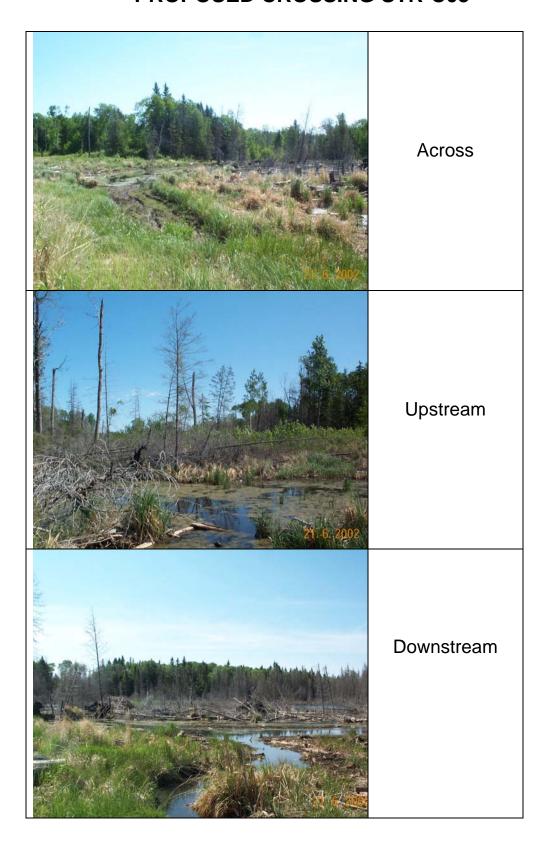




Swan River, MB, R0L 12 Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

Crossing Name: STR-C03	Ownership: LP
Operating Area: Stoski Rd.	Contingency Crossing:
UTM Northing: 5688358	UTM Easting: 380020
Stream Type: Other Watercourse	Land Description: SE-26-27-24-W
Watercourse Name: N/A	Crossing Inspection Date: 20-August-2007
Channel Width (m): N/A	Stream Assessment Required:
Water Depth (m): N/A	Stream Assessment Complete:
Road Name: STR-1C	
Site Description:	
This is an existing crossing location. The road was last used in 2004. Dams ma	av be removed to lower water level.
	,
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
orosoning outdottale.	Crossing Encopuli.
Preferred Alternate	Temporary Crossing:
	Temporary crossing.
Ice Bridge	01 December,2023 to 31 March,2024
Portable Bridge	Permanent Crossing:
Rail Car Bridge	
Timber Bridge Snow and Ice Xing X	Proposed Install Date:
Arch Culvert	Crossing Duration: Years
Round Culvert	Remove after Renewal Activities:
Installation & Removal Notes:	
A small culvert may also be installed with the snow and ice to allow flow through levels.	h the crossing. Dams may also be removed to lower water
After harvest is complete the surface of the snow and ice crossing will be cleared	ed and a trench will be constructed to allow for flow during
spring melt. If a culvert is used it will be removed after harvest. The crossing will	

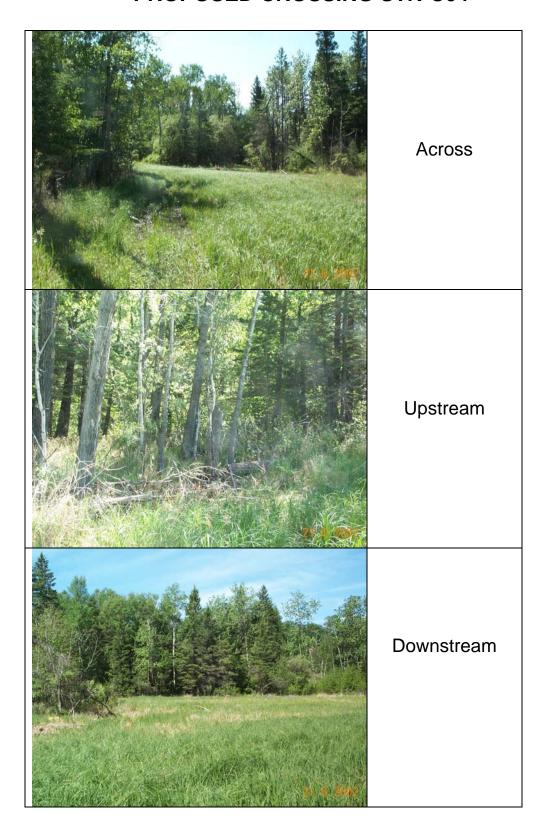




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WATER CROSSING PRESCRIPTION

Crossing Name: STR-C04	Ownership: LP
Operating Area: Stoski Rd.	Contingency Crossing:
UTM Northing: 5688464	UTM Easting: 379320
Stream Type: Other Watercourse	Land Description: SE-26-27-24-W
Watercourse Name: N/A	Crossing Inspection Date: 20-August-2007
Channel Width (m): N/A	Stream Assessment Required:
Water Depth (m): N/A	Stream Assessment Complete:
5	Gudum Assessment Complete.
Road Name: STR-1C	
Site Description:	
This is an existing crossing location. The road was last used in 2004.	
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
<u>Preferred</u> <u>Alternate</u>	Temporary Crossing:
Ice Bridge	01 December,2023 to 31 March,2024
Portable Bridge	of December,2023
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing	
Arch Culvert	Crossing Duration: Years
Round Culvert	Remove after Renewal Activities:
Installation 9 Democral Nation	
Installation & Removal Notes:	
A small culvert may also be installed with the snow and ice to allow flow through the	e crossina.
	-
After harvest is complete the surface of the snow and ice crossing will be cleared at spring melt. If a culvert is used it will be removed after harvest. The crossing will me	

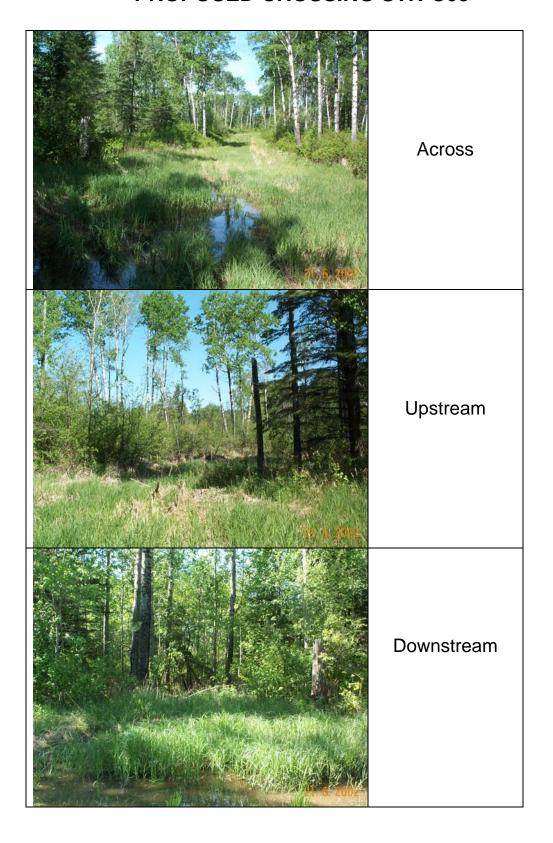




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WATER CROSSING PRESCRIPTION

Crossing Name: STR-C05 Operating Area: Stoski Rd. UTM Northing: 5689177 Stream Type: Other Watercourse Watercourse Name: N/A Channel Width (m): N/A Water Depth (m): N/A Road Name: STR-1E	Ownership: LP Contingency Crossing: UTM Easting: 378648 Land Description: NW-26-27-24-W Crossing Inspection Date: 20-August-2007 Stream Assessment Required: Stream Assessment Complete:
Site Description:	
This is an existing crossing location. The road was last used in 2004.	
General Considerations:	
Crossing Structure:	Crossing Lifespan:
Preferred Alternate	Temporary Crossing: 01 December,2023 to 31 March,2024 Permanent Crossing: Proposed Install Date: Crossing Duration: Remove after Renewal Activities:
Installation & Removal Notes:	
A small culvert may also be installed with the snow and ice to allow flow through the After harvest is complete the surface of the snow and ice crossing will be cleared ar spring melt. If a culvert is used it will be removed after harvest. The crossing will me	nd a trench will be constructed to allow for flow during

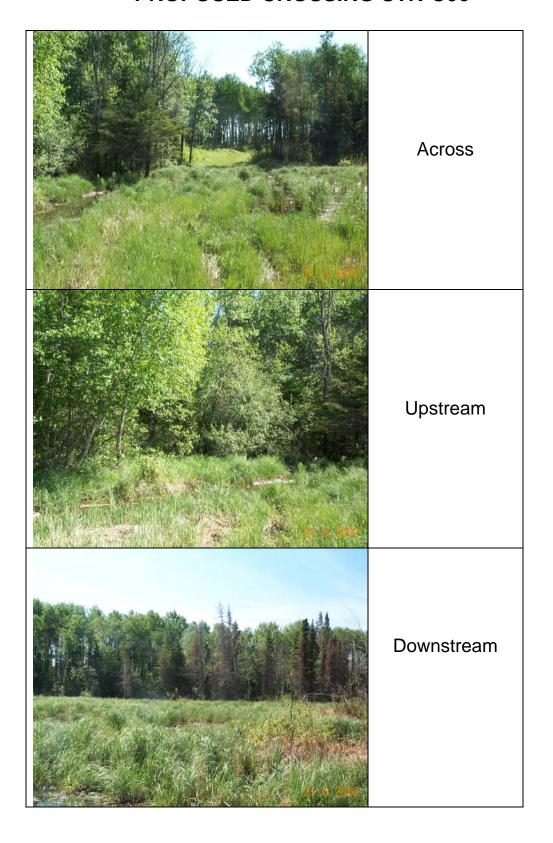




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WATER CROSSING PRESCRIPTION

Crossing Name: STR-C06	Ownership: LP
Operating Area: Stoski Rd.	Contingency Crossing:
UTM Northing: 5689352	UTM Easting: 378290
Stream Type: Other Watercourse	Land Description: NE-27-27-24-W
Watercourse Name: N/A	Crossing Inspection Date: 20-August-2007
Channel Width (m): N/A	Stream Assessment Required:
Water Depth (m): N/A	Stream Assessment Complete:
Road Name: STR-1E	
Site Description:	
This is an existing crossing location. The road was last used in 2004.	
This is an existing crossing location. The road was last ascalin 2504.	
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Grossing Structure.	Crossing Litespan.
<u>Preferred</u> <u>Alternate</u>	Temporary Crossing:
Ice Bridge	01 December,2023 to 31 March,2024
Portable Bridge Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing	
Arch Culvert	Crossing Duration: Years
Round Culvert	Remove after Renewal Activities:
Installation 9 Demonal Materi	
Installation & Removal Notes:	
A small culvert may also be installed with the snow and ice to allow flow through the	the crossing
-	
After harvest is complete the surface of the snow and ice crossing will be cleared spring melt. If a culvert is used it will be removed after harvest. The crossing will n	

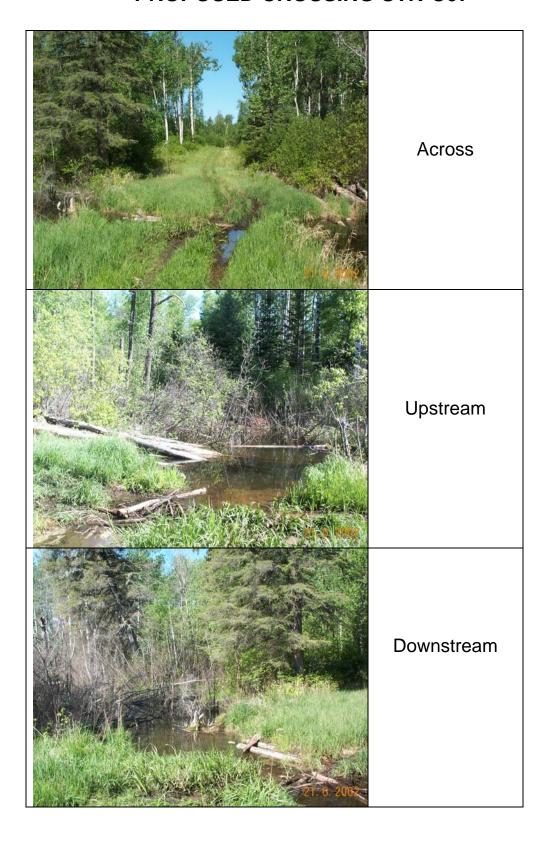




Phone: 204-734-4102

WATER CROSSING PRESCRIPTION

_	ame: STR-C0	7	Ownership: LP		
Operating A	rea: Stoski Rd.		Contingency Crossing:		
UTM Northin	ng: 5689373		UTM Easting: 378100		
Stream Type	Other Wa	tercourse	Land Description: NE-27-27-24-W		
Watercourse			Crossing Inspection Date: 20-August-2007		
Channel Wic			Stream Assessment Required:		
Water Depth (m): N/A			Stream Assessment Complete:		
Road Name:	STR-1E				
ite Description:					
This is an existing crossin	ng location. The road	was last used in 2004.			
eneral Considerations	s:				
LP will follow DFO Opera	tional Statement for t	remnorary crossings			
Cross	ing Structure:		Crossing Lifespan:		
Cross					
Cross	ing Structure:	<u>Alternate</u>	Crossing Lifespan: Temporary Crossing:		
		<u>Alternate</u>	Temporary Crossing:		
Cross Ice Bridge Portable Bridge		<u>Alternate</u>	Temporary Crossing: X 01 December,2023 to 31 March,2024		
Ice Bridge		Alternate	Temporary Crossing:		
lce Bridge Portable Bridge		<u>Alternate</u>	Temporary Crossing: X 01 December,2023 to 31 March,2024		
Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing		Alternate	Temporary Crossing: 01 December,2023 to 31 March,2024 Permanent Crossing: Proposed Install Date:		
Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert		Alternate	Temporary Crossing: 01 December,2023 to 31 March,2024 Permanent Crossing: Proposed Install Date: Crossing Duration: Years		
Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing		Alternate	Temporary Crossing: 01 December,2023 to 31 March,2024 Permanent Crossing: Proposed Install Date:		
Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert	Preferred X	Alternate	Temporary Crossing: 01 December,2023 to 31 March,2024 Permanent Crossing: Proposed Install Date: Crossing Duration: Years		
Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert	Preferred X X Notes:		Temporary Crossing: 01 December,2023 to 31 March,2024 Permanent Crossing: Proposed Install Date: Crossing Duration: Years Remove after Renewal Activities:		
Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert	Preferred X Notes:	snow and ice to allow flow th	Temporary Crossing: 01 December,2023 to 31 March,2024		
Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert Stallation & Removal N A small culvert may also to	Preferred X X Notes: De installed with the state surface of the sne	snow and ice to allow flow the	Temporary Crossing: 01 December,2023 to 31 March,2024 Permanent Crossing: Proposed Install Date: Crossing Duration: Years Remove after Renewal Activities:		
Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert Stallation & Removal N A small culvert may also to	Preferred X X Notes: De installed with the state surface of the sne	snow and ice to allow flow the	Temporary Crossing: 01 December,2023 to 31 March,2024		
Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert Stallation & Removal N A small culvert may also to	Preferred X X Notes: De installed with the state surface of the sne	snow and ice to allow flow the	Temporary Crossing: 01 December,2023 to 31 March,2024 Permanent Crossing: Proposed Install Date: Crossing Duration: Years Remove after Renewal Activities:		

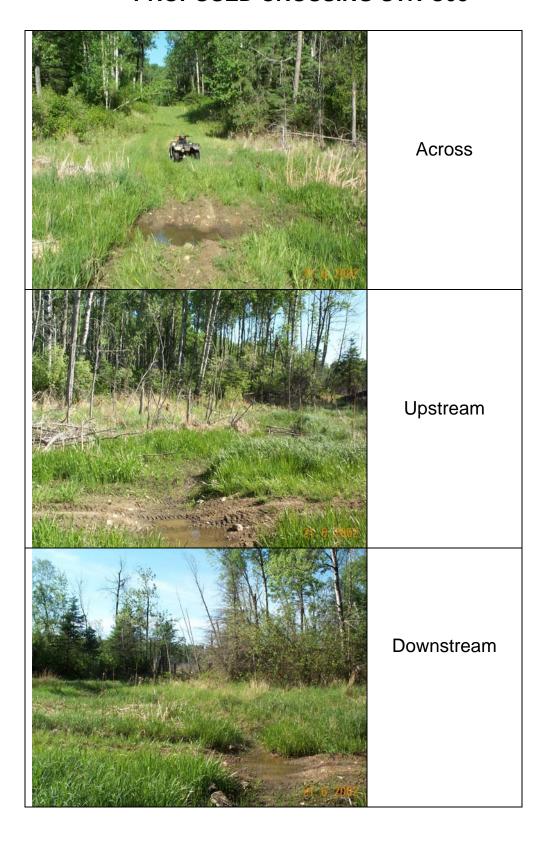




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WATER CROSSING PRESCRIPTION

Crossing Name: STR-C	08	Ownership: LP
Operating Area: Stoski F	Rd.	Contingency Crossing:
UTM Northing: 568918	38	UTM Easting: 376760
Stream Type: Other V	Vatercourse	Land Description: NE-28-27-24-W
Watercourse Name: N/	'A	Crossing Inspection Date: 20-June-2002
Channel Width (m): N/A	A	Stream Assessment Required:
Water Depth (m): N/A		Stream Assessment Complete:
Road Name: STR-1G		
Site Description:		
This proposed crossing is located on a swal No fish were observed at the time of inspect		the channel is discontinuous and is composed of clay substrate. It this site.
General Considerations:		
LP will follow DFO Operational Statement for	or temporary crossings.	
Crossing Structure:		Crossing Lifespan:
Preferred	<u>Alternate</u>	Temporary Crossing:
	_	
Ice Bridge	H	01 December,2023 to 31 March,2024
Rail Car Bridge	H	Permanent Crossing:
Timber Bridge	H	Proposed Install Date:
Snow and Ice Xing		Crossing Duration: Years
Arch Culvert Round Culvert		
Round Culvert		Remove after Renewal Activities:
nstallation & Removal Notes:		
A small culvert may also be installed with the	e snow and ice to allow flow throug	gh the crossing.
	f required, erosion control measure	eaned off and a trench will be constructed in order to allow for es will be applied (e.g straw bales) along the road approaches to

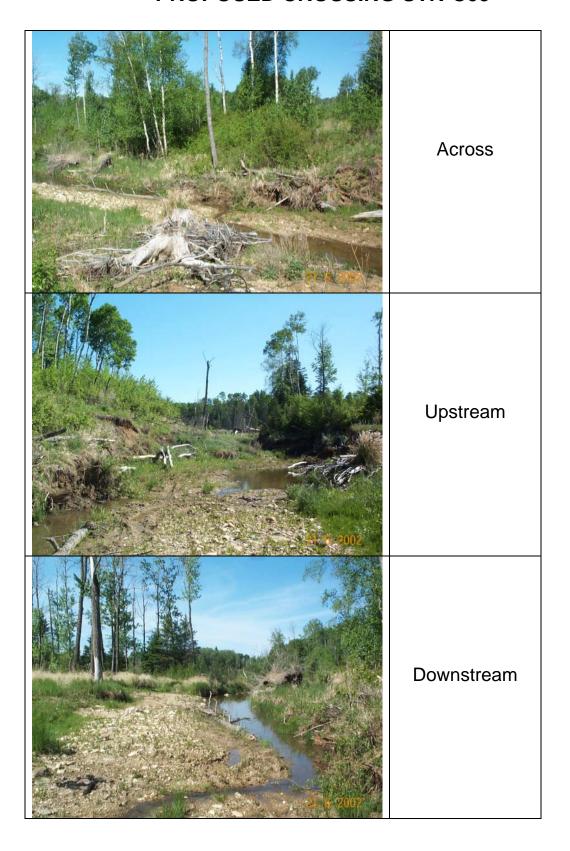




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WATER CROSSING PRESCRIPTION

Crossing Name	STR-C09	•	Ownership: LP
Operating Area:	Stoski Rd.		Contingency Crossing:
UTM Northing:	5690132		UTM Easting: 375941
Stream Type:	Seasonal		Land Description: SW-33-27-24-W
Watercourse Nam	ne: N/A		Crossing Inspection Date: 20-June-2002
Channel Width (m	ı): N/A		Stream Assessment Required: Yes
Water Depth (m):	N/A		Stream Assessment Complete: 04 September,2002
Road Name:	STR-1H		
Site Description:			
activity due to the procedures in	ıvolved in instal	ling the bridge an	ent to hardwood stands. This crossing installation is considered a low risk d the erosion and sediment control measures that will be applied during ptember 4, 2002. Refer to the summary table for details.
General Considerations:			
Crossing S	tructure:		Crossing Lifespan:
	Preferred	<u>Alternate</u>	Temporary Crossing:
Ice Bridge		Н	01 December,2023 to 31 March,2024
Portable Bridge Rail Car Bridge	 	H	Permanent Crossing:
Timber Bridge	H	H	Proposed Install Date:
Snow and Ice Xing	Ħ	H	
Arch Culvert			Crossing Duration: Years
Round Culvert			Remove after Renewal Activities:
nstallation & Removal Notes	:		
A minimum 30 foot bridge span	is required.		
	red, further eros		nd any necessary recontouring of road approaches will be completed. The control measures will be implemented in order to prevent any materials or
g			
g			



LP Canada Ltd. Swan Valley FRD Stream Assessment Summary Report

Stream Crossing Name: STR-C09

Date of Survey	Stream Type	Wet Channel Width (m)	Bankfull Channel Width (m)	High Water Width (m)	Mean Depth (m)	Velocity (cm/s) from Hydraulic Head	Mean Stream Temperature (°C)
September 4, 2002	Permanent	1.77	10.34	17.5	0.062	14.9	17

Mean Water Surface Slope (%)	Bank Materials	FEC V- Type	Canopy Cover	Terrain Type	% Riffle Habitat	% of Pool Habitat	No of Barriers	Instream Cover % of Undercut Banks
1.1	CL	8	0	Upland hardwood	5	95	2	1

Instream Cover - % of Rock	Instream Cover - % Logs and Trees	Instream Cover - % Organic Debris	Instream Cover - % Other	Substrate - % Rock	Substrate - % Boulder	Substrate - % Rubble	Substrate - % Gravel	Substrate - % Sand	Substrate - % Silt
2.2	1.4	1.2	0	3	0	0	7	21	0

Substrate - % Clay	Substrate - % Muck	Substrate - % Detritus	Aquatic Veg 1	Aquatic Veg 2	Aquatic Veg 3	Invertebrate Order 1	Invertebrate Order 2	Invertebrate Order 3
68	0	0	0	0	0	Hirudinea	Odonata	Hemiptera

Invertebrate	Invertebrate	Invertebrate	Invertebrate	Invertebrate	Invertebrate	Invertebrate	Invertebrate
Order 4	Order 5	Order 6	Order 7	Order 8	Order 9	Order 10	Order 11
Trichoptera	Gastropoda	0	0	0	0	0	0

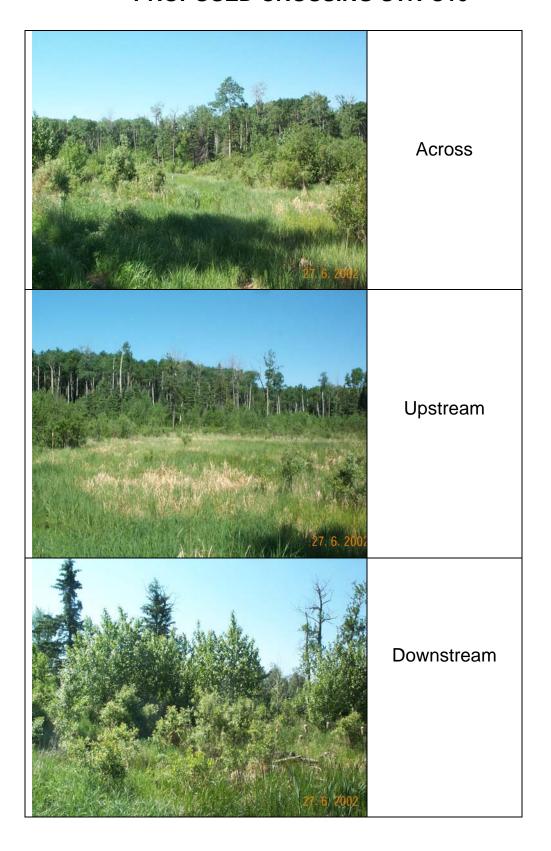
Fish sp 1	Fish sp 2	Fish sp 3	Fish sp 4	Fish sp 5	Fish sp 6	Fish sp 7	Fish sp 8
Brook stickleback	Fathead minnow	0	0	0	0	0	0



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WATER CROSSING PRESCRIPTION

Crossing Name: STR-C10	Ownership: LP
Operating Area: Stoski Rd.	Contingency Crossing:
UTM Northing: 5690049	UTM Easting: 375524
Stream Type: Other Watercourse	Land Description: SW-33-27-24-W
Watercourse Name: N/A	Crossing Inspection Date: 20-June-2002
Channel Width (m): N/A	Stream Assessment Required:
Water Depth (m): N/A	Stream Assessment Complete:
Road Name: STR-1H	
Site Description:	
This proposed crossing is located on a sedge meadow. No flow and substrate of	composed of organic material.
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
<u>Preferred</u> <u>Alternate</u>	Temporary Crossing:
Ice Bridge	01 December,2023 to 31 March,2024
Portable Bridge	
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing	Crossing Duration: Years
Arch Culvert	
Round Culvert	Remove after Renewal Activities:
	L
Installation & Removal Notes:	
A small culvert may also be installed with the snow and ice to allow flow through	the crossing.
Once harvest is completed, the surface of the snow and ice crossing will be clear	
unobstructed flows during the spring melt. If required, erosion control measures temporarily prevent sediment from entering the watercourse.	s will be applied (e.g straw bales) along the road approaches to
production and an arrangements.	

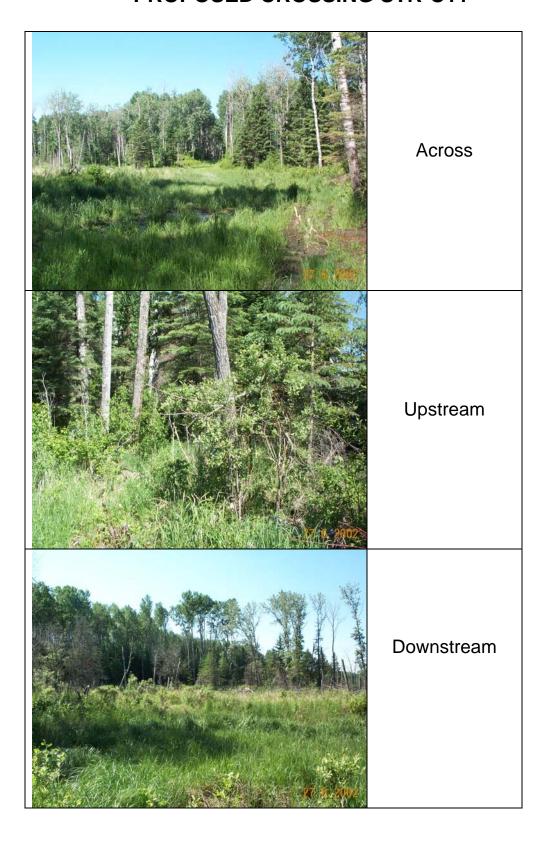




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WATER CROSSING PRESCRIPTION

Crossing Name: STR-C11 Operating Area: Stoski Rd.	
•	Ownership: LP
Operating Area: Stoski Rd.	' <u> </u>
	Contingency Crossing:
UTM Northing: 5689752	UTM Easting: 374829
Stream Type: Other Watercourse Watercourse Name: N/A	Land Description: NE-29-27-24-W
Watercourse Name: N/A Channel Width (m): N/A	Crossing Inspection Date: 20-June-2002 Stream Assessment Required:
Water Depth (m): N/A	Stream Assessment Complete:
Road Name: STR-1I	Carolin Accessing a Complete.
ite Description:	
This proposed crossing is located on a seasonal swale within a sedge meadow. Low fl of organic material and clay. No fish observed at the time of inspection.	low at the time of observation and substrate is composed
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
<u>Preferred</u> <u>Alternate</u>	Temporary Crossing:
	01 December,2023 to 31 March,2024
Ice Bridge	
Portable Bridge	Permanent Crossing:
	Permanent Crossing: Proposed Install Date:
Portable Bridge Rail Car Bridge	Proposed Install Date:
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert	Proposed Install Date: Crossing Duration: Years
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing	Proposed Install Date:
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert	Proposed Install Date: Crossing Duration: Years
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert	Proposed Install Date: Crossing Duration: Remove after Renewal Activities:
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert Stallation & Removal Notes:	Proposed Install Date: Crossing Duration: Remove after Renewal Activities: possing. If and a trench will be constructed in order to allow for
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert A small culvert may also be installed with the snow and ice to allow flow through the cro Once harvest is completed, the surface of the snow and ice crossing will be cleaned off unobstructed flows during the spring melt. If required, erosion control measures will be	Proposed Install Date: Crossing Duration: Remove after Renewal Activities: possing. If and a trench will be constructed in order to allow for
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert A small culvert may also be installed with the snow and ice to allow flow through the cro Once harvest is completed, the surface of the snow and ice crossing will be cleaned off unobstructed flows during the spring melt. If required, erosion control measures will be	Proposed Install Date: Crossing Duration: Remove after Renewal Activities: possing. If and a trench will be constructed in order to allow for

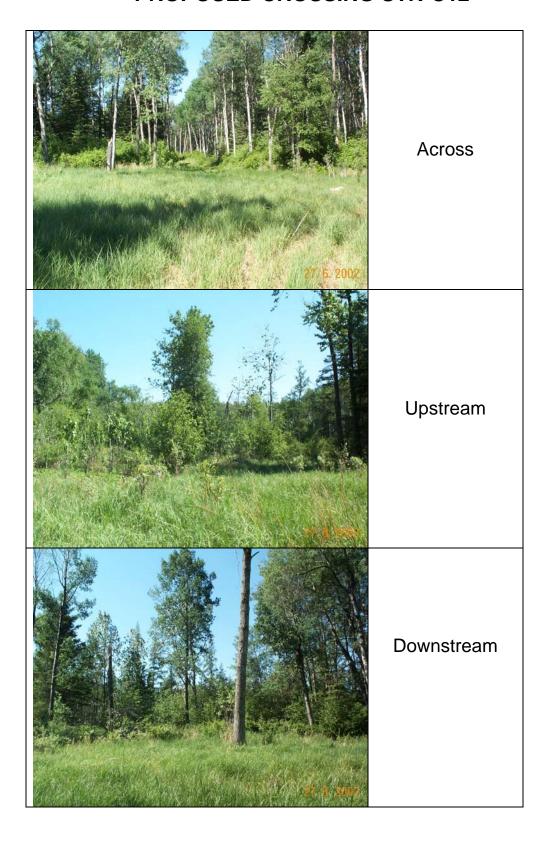




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WATER CROSSING PRESCRIPTION

Crossing Name: STR-C12	Ownership: LP
Operating Area: Stoski Rd.	Contingency Crossing:
UTM Northing: 5689795	UTM Easting: 373909
Stream Type: Other Watercourse	Land Description: NW-29-27-24-W
Watercourse Name: N/A	Crossing Inspection Date: 20-June-2002
Channel Width (m): N/A	Stream Assessment Required:
Water Depth (m): N/A	Stream Assessment Complete:
Road Name: STR-1I	
Site Description:	
This proposed crossing is located on a sedge meadow situated defined channel and the area is relatively dry.	d within a hardwood stand. The substrate is composed of organic material. No
General Considerations:	
LP will follow DFO Operational Statement for temporary crossing	
Crossing Structure:	Crossing Lifespan:
<u>Preferred</u> <u>Alternate</u>	Temporary Crossing:
las Bridge	04 Danambar 2002
Ice Bridge	01 December,2023 to 31 March,2024
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing	Crossing Duration: Years
Arch Culvert Round Culvert	Remove after Renewal Activities:
stallation & Removal Notes:	
A small culvert may also be installed with the snow and ice to a	allow flow through the crossing.
Once harvest is completed, the surface of the snow and ice cro	ossing will be cleaned off and a trench will be constructed in order to allow for control measures will be applied (e.g straw bales) along the road approaches to

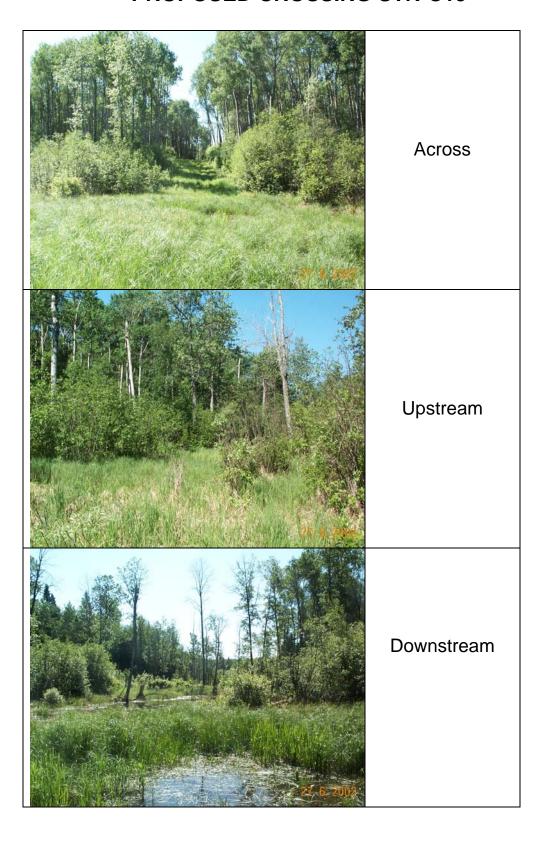




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WATER CROSSING PRESCRIPTION

Crossing Name: STR-C13	Ownership: LP
Operating Area: Stoski Rd.	Contingency Crossing:
UTM Northing: 5689594	UTM Easting: 373614
Stream Type: Other Watercourse	Land Description: NE-30-27-24-W
Watercourse Name: N/A	Crossing Inspection Date: 20-June-2002
Channel Width (m): N/A	Stream Assessment Required:
Water Depth (m): N/A	Stream Assessment Complete:
Road Name: STR-1J	
Site Description:	
This proposed crossing is located on a swale on an existing trail or old road. fish observed at the time of inspection.	The substrate is composed of organic material, silt and clay. No
non observed at the time of inspection.	
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Preferred Alternate	Temporary Crossing:
	Tomporary crossing.
Ice Bridge	01 December,2023 to 31 March,2024
Portable Bridge	Boundary Consider
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing	Crossing Duration: Years
Arch Culvert	
Round Culvert	Remove after Renewal Activities:
nstallation & Removal Notes:	
A small culvert may also be installed with the snow and ice to allow flow through	ugh the crossing.
Once harvest is completed, the surface of the snow and ice crossing will be of	
unobstructed flows during the spring melt. If required, erosion control measu temporarily prevent sediment from entering the watercourse.	res will be applied (e.g straw bales) along the road approaches to
temporarily prevent sediment from entering the watercourse.	

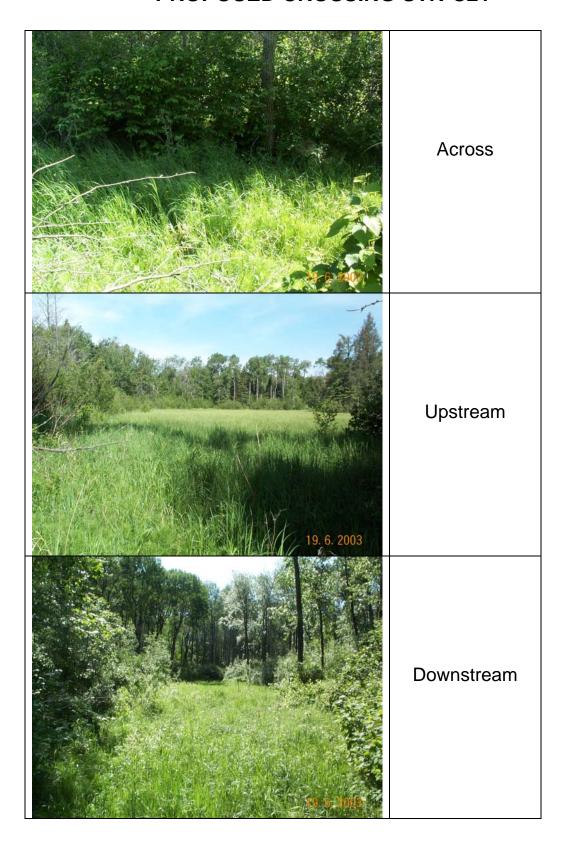




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WATER CROSSING PRESCRIPTION

Crossing Name: STD C24	Ournevahin: 15
Crossing Name: STR-C21	Ownership: LP
Operating Area: Stoski Rd.	Contingency Crossing:
UTM Northing: 5691004	UTM Easting: 375111
Stream Type: Other Watercourse	Land Description: NE-32-27-24-W
Watercourse Name: N/A	Crossing Inspection Date: 20-June-2002
Channel Width (m): N/A	Stream Assessment Required:
Water Depth (m): N/A	Stream Assessment Complete:
Road Name: STR-1H-1A	
Site Description:	
This proposed crossing is located on a sedge meadow. No flow and substrate or	omnosed of organic material
This proposed crossing is located on a sedge meadow. No now and substrate or	omposed of organic material.
General Considerations:	
T	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Preferred Alternate	Temporary Crossing:
	Temporary crossing.
Ice Bridge	01 December,2023 to 31 March,2024
Portable Bridge	
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing	Crossing Duration: Years
Arch Culvert	Crossing Duration.
Round Culvert	Remove after Renewal Activities:
Installation & Removal Notes:	
ilistaliation & Removal Notes.	
A small culvert may also be installed with the snow and ice to allow flow through	the crossing
	•
Once harvest is completed, the surface of the snow and ice crossing will be clear unobstructed flows during the spring melt. If required, erosion control measures	
temporarily prevent sediment from entering the watercourse.	

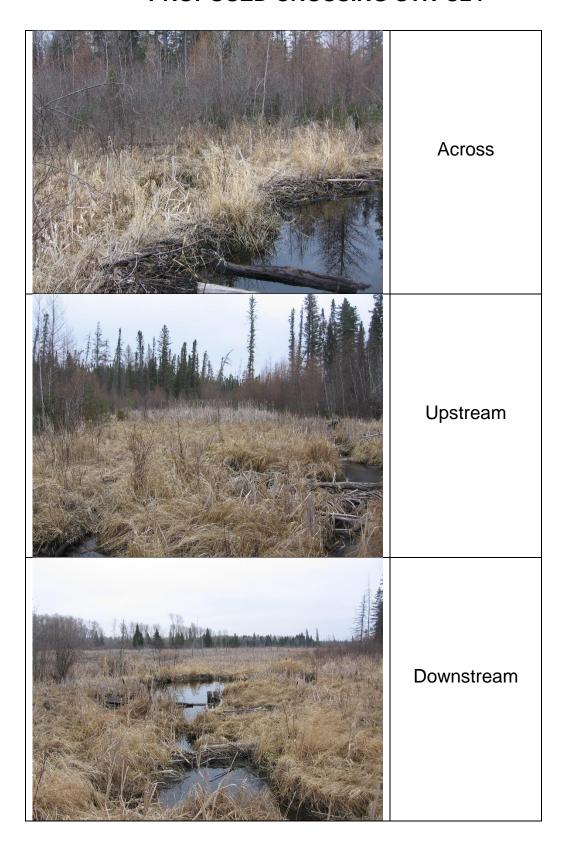




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WATER CROSSING PRESCRIPTION

Crossing Name: STR-C24	Ownership: SPL
Operating Area: Stoski Rd.	Contingency Crossing:
UTM Northing: 5685943	UTM Easting: 380274
Stream Type: Other Watercourse	Land Description: NW13-27-24W
Watercourse Name: N/A	Crossing Inspection Date: 26-April-2021
Channel Width (m): 1.0	Stream Assessment Required:
Water Depth (m): 0.3	Stream Assessment Complete:
Road Name: STR-4B	·
Site Description:	
Crossing is a flooded swale in mixed wood stand. Crossing is approximately 10m	of sedge/willow with dams up and down stream. Substrate is
rock/clay/organic. No flow at time of inspection. Dams may be removed. Cordoroy	
General Considerations:	
SPL will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Preferred Alternate	T C
Preferred Atternate	Temporary Crossing:
Ice Bridge	01 July,2022 to 01 July,2023
Portable Bridge	Bormonout Crossing:
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing Arch Culvert	Crossing Duration: Years
Round Culvert X	Remove after Renewal Activities:
	Remove uner removal Addivides.
Installation & Removal Notes:	
If a apply and ice process is used offer horizont is completed the surface of the app	new and ice processing will be pleased off and a transh will be
If a snow and ice crossing is used after harvest is completed the surface of the sn constructed to allow for flow during the spring melt. The snow and ice crossing wi	
A minimum 18 inch culvert is required.	
After harvest is completed the culvert will be removed and the road approaches w	vill be recontoured to a near natural slope. If required the area
will be seeded with grass and erosion control matting or straw mulch will be used	

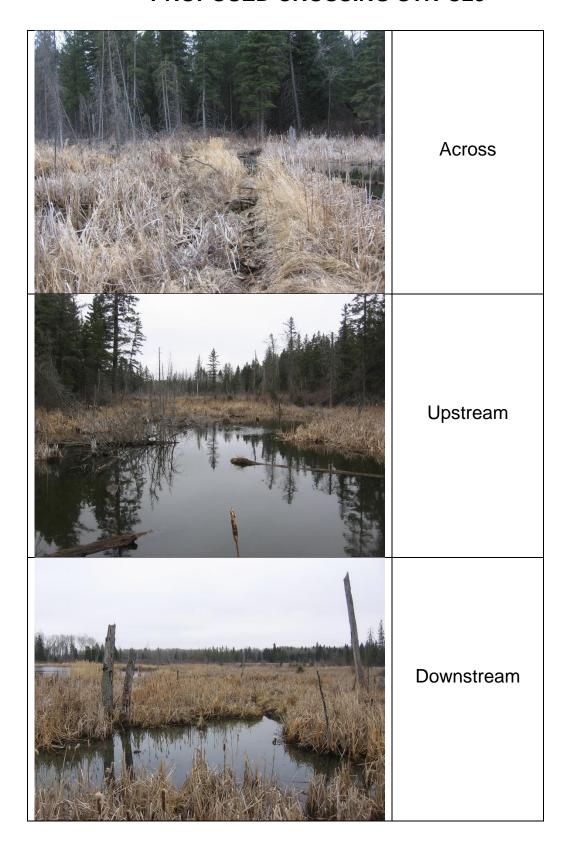




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WATER CROSSING PRESCRIPTION

Crossing Name: STR-C25 Operating Area: Sloski Rd. Contingency Crossing: UTM Northing: 688892 Stream Type: Other Watercourse Watercourse NA Crossing Inspection Date: 26-April-2021 Channel Width (m): NA Stream Assessment Required: 26-April-2021 Water Depth (m): NA Road Name: STR-4B Ite Description: Crossing is a flooded swale in a mixed wood stand. Approximately 30 meters of sedge/willow at crossing. Dams up and down stream. Two ams ray be removed. Substrate is organizately with no flow at time of inspection. Cordotoxy and/or fill will be used. Crossing Structure: Crossing Utfespan: Temporary Crossing: Itemporary Crossing: Item Portage Temporary Crossing: Permanent Crossing: Permanent Crossing: Permanent Crossing: Item Portage Temporary Crossing: Item Bridge Read Culvert Item Portage Temporary Crossing: Ite	0 . N	
Stream Type: Other Watercourse Watercourse Name: N/A Channel Width (m): N/A Channel Width (m): N/A Water Depth (m): N/A Road Name: STR-4B Teb Description: Crossing is a flooded swale in a mixed wood stand. Approximately 30 meters of sedge/willow at crossing. Dams up and down stream. Two ams may be removed. Substrate is organiciday with no flow at time of inspection. Cordoroy and/or fill will be used. Crossing Structure: Crossing Structure: Crossing Structure: Crossing Structure: Crossing Structure: Crossing Lifespan: Temporary Crossing: I Temporary Crossing: Perfamed Alternate Les Bridge Portable Bridge Rail Car Bridg	Crossing Name: STR-C25	Ownership: SPL
Stream Type: Other Watercourse		
Water Depth (m): N/A Crossing Inspection Date: 26-April-2021 Stream Assessment Required: Water Depth (m): N/A Road Name: STR-48 to Description: Vossing is a flooded swale in a mixed wood stand. Approximately 30 meters of sedge(willow at crossing. Dams up and down stream. Two ams may be removed. Substrate is organic/clay with no flow at time of inspection. Cordoroy and/or fill will be used. Crossing Structure: Crossing Structure: Crossing Structure: Crossing Lifespan: Temporary Crossing: Value Val	_	
Channel Width (m): N/A Stream Assessment Required: Water Depth (m): N/A Stream Assessment Complete: Road Name: STR-4B Ite Description: Crossing is a flooded swale in a mixed wood stand. Approximately 30 meters of sedgel-willow at crossing. Dams up and down stream. Two ams may be removed. Substrate is organic/clay with no flow at time of inspection. Cordoroy and/or fill will be used. Crossing Structure: Crossing Structure: Crossing Structure: Crossing Lifespan: Temporary Crossing: Ite Bridge Portable Bridge Road loa Xing Show and loa Xing Show and loa Xing Show and loa Xing Show and loa Xing Road Outvert Ta snow and loc orossing is used after harvest is completed the surface of the snow and loc crossing will be cleaned off and a trench will be onstructed to allow for flow during the spring melt. The snow and loc crossing will be cleaned off and a trench will be onstructed to allow for flow during the spring melt. The snow and loc crossing will melt and the area will return to near natural conditions. Vinilimum 24 inch culvert is required. Item Indiana Assessment Required: Item Description: Temporary Crossing: X 01 July;2022 Dermanent Crossing: Proposed Install Date: Crossing Duration: Remove after Renewal Activities: The snow and loc crossing will be cleaned off and a trench will be onstructed to a near natural conditions. Vinilimum 24 inch culvert is required. Item Portage Assessment Complete: Road Assessment Complete: Road Culvert is required.		
Water Depth (m): N/A Stroam Assessment Complete: Road Name: STR-4B te Description: Crossing is a flooded swale in a mixed wood stand. Approximately 30 meters of sedge/willow at crossing. Dams up and down stream. Two arms may be removed. Substrate is organiciclay with no flow at time of inspection. Cordoroy and/or fill will be used. SPL, will follow DFO Operational Statement for temporary crossings. Crossing Structure: Crossing Lifespan: Temporary Crossing: Valid Fedde Valid F	Tratoroda o riamor	
Road Name: STR-4B te Description: crossing is a flooded swale in a mixed wood stand. Approximately 30 meters of sedge/willow at crossing. Dams up and down stream. Two ams may be removed. Substrate is organic/clay with no flow at time of inspection. Cordoroy and/or fill will be used. eneral Considerations: SPL will foliow DFO Operational Statement for temporary crossings. Crossing Structure: Crossing Lifespan: Temporary Crossing: X O1 July,2022 to 10 July,2023 Permanent Crossing: Proposed Install Date: Crossing Buration: Years Remove after Renewal Activities: a snow and ice crossing is used after harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be onstructed to allow for flow during the spring met. The snow and ice crossing will met and the area will return to near natural conditions. Infilmium 24 inch culvert is required. Interest on the surface of the snow and ice crossing will be cleaned off and a trench will be onstructed to allow for flow during the spring met. The snow and ice crossing will met and the area will return to near natural conditions. Intilinium 24 inch culvert is required the area.	onamor matr (m)	
Crossing is a flooded swale in a mixed wood stand. Approximately 30 meters of sedget-willow at crossing. Dams up and down stream. Two ams may be removed. Substrate is organic/clay with no flow at time of inspection. Cordoroy and/or fill will be used. Crossing Structure:	5	Stream Assessment Complete.
ams may be removed. Substrate is organic/clay with no flow at time of inspection. Cordoroy and/or fill will be used. Considerations: Crossing Structure: Crossing Lifespan:	·	20 meters of godgo/willow at crossing. Dame up and down stream Two
Crossing Structure: Crossing Lifespan: Temporary Crossing: Of July,2022 to Of July,2023 Permanent Crossing: Preferred Alternate Temporary Crossing: Of July,2022 to Of July,2023 Permanent Crossing: Proposed Install Date: Crossing Duration: Years Remove after Renewal Activities: a snow and ice crossing is used after harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be onstructed to allow for flow during the spring melt. The snow and ice crossing will melt and the area will return to near natural conditions. Ininimum 24 inch culvert is required. Interview is completed the culvert will be removed and the road approaches will be recontoured to a near natural slope. If required the area	•	· · · · · · · · · · · · · · · · · · ·
Crossing Structure: Crossing Lifespan: Temporary Crossing: Of July,2022 To Of July,2023 Permanent Crossing: Proposed Install Date: Crossing Duration: Years Remove after Renewal Activities: Ta snow and ice crossing is used after harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be constructed to allow for flow during the spring melt. The snow and ice crossing will melt and the area will return to near natural conditions. Witer harvest is completed the culvert will be removed and the road approaches will be reconducted to a near natural slope. If required the area		
Crossing Structure: Crossing Lifespan:	eneral Considerations:	
Ice Bridge Portable Bridge Rail Car Bridge Snow and Ice Xing Arch Culvert Round Culvert a snow and ice crossing is used after harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be onstructed to allow for flow during the spring melt. The snow and ice crossing will melt and the area will return to near natural conditions. Total July,2022 to 01 July,2023 Permanent Crossing: Proposed Install Date: Crossing Duration: Remove after Renewal Activities: tallation & Removal Notes: a snow and ice crossing is used after harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be onstructed to allow for flow during the spring melt. The snow and ice crossing will melt and the area will return to near natural conditions. In minimum 24 inch culvert is required. If the harvest is completed the culvert will be removed and the road approaches will be recontoured to a near natural slope. If required the area		
Ice Bridge Portable Bridge Rail Car Bridge Snow and Ice Xing Arch Culvert Round Culvert a snow and ice crossing is used after harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be onstructed to allow for flow during the spring melt. The snow and ice crossing will melt and the area will return to near natural conditions. Total July,2022 to 01 July,2023 Permanent Crossing: Proposed Install Date: Crossing Duration: Remove after Renewal Activities: tallation & Removal Notes: a snow and ice crossing is used after harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be onstructed to allow for flow during the spring melt. The snow and ice crossing will melt and the area will return to near natural conditions. In minimum 24 inch culvert is required. If the harvest is completed the culvert will be removed and the road approaches will be recontoured to a near natural slope. If required the area	Crossing Structure:	Crossing Lifespan:
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert A snow and ice crossing is used after harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be constructed to allow for flow during the spring melt. The snow and ice crossing will melt and the area will return to near natural conditions. The snow and the road approaches will be recontoured to a near natural slope. If required the area	Crossing Structure:	Crossing Lifespan:
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert A snow and ice crossing is used after harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be constructed to allow for flow during the spring melt. The snow and ice crossing will melt and the area will return to near natural conditions. The snow and the road approaches will be recontoured to a near natural slope. If required the area	-	
Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert X Tallation & Removal Notes: a snow and ice crossing is used after harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be constructed to allow for flow during the spring melt. The snow and ice crossing will melt and the area will return to near natural conditions. minimum 24 inch culvert is required. fter harvest is completed the culvert will be removed and the road approaches will be recontoured to a near natural slope. If required the area	Preferred Alternate	Temporary Crossing:
Snow and Ice Xing Arch Culvert Round Culvert Remove after Renewal Activities: Remove after Renewal Activit	Preferred Alternate	Temporary Crossing: X 01 July,2022 to 01 July,2023
Arch Culvert Round Culvert Remove after Renewal Activities:	Preferred Alternate Ice Bridge Portable Bridge Rail Car Bridge	Temporary Crossing: X 01 July,2022 to 01 July,2023
tallation & Removal Notes: a snow and ice crossing is used after harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be constructed to allow for flow during the spring melt. The snow and ice crossing will melt and the area will return to near natural conditions. In minimum 24 inch culvert is required. In the snow and ice crossing will melt and the area will return to near natural conditions. In the snow and ice crossing will be reconstructed to a near natural slope. If required the area	Preferred Alternate Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge	Temporary Crossing: 01 July,2022 to 01 July,2023 Permanent Crossing:
a snow and ice crossing is used after harvest is completed the surface of the snow and ice crossing will be cleaned off and a trench will be onstructed to allow for flow during the spring melt. The snow and ice crossing will melt and the area will return to near natural conditions. In minimum 24 inch culvert is required. In the snow and ice crossing will melt and the area will return to near natural conditions. In the snow and ice crossing will be reconstituted to a near natural slope. If required the area	Preferred Alternate Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing	Temporary Crossing: 01 July,2022 to 01 July,2023 Permanent Crossing: Proposed Install Date:
onstructed to allow for flow during the spring melt. The snow and ice crossing will melt and the area will return to near natural conditions. In minimum 24 inch culvert is required. In the following the first of the strength of the stre	Preferred Alternate Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert	Temporary Crossing: 01 July,2022 to 01 July,2023 Permanent Crossing: Proposed Install Date: Crossing Duration: Years
fter harvest is completed the culvert will be removed and the road approaches will be recontoured to a near natural slope. If required the area	Preferred Alternate Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert X	Temporary Crossing: 01 July,2022 to 01 July,2023 Permanent Crossing: Proposed Install Date: Crossing Duration: Years
	Preferred Alternate Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert X tallation & Removal Notes: a snow and ice crossing is used after harvest is completed the su	Temporary Crossing: 01 July,2022 to 01 July,2023
	Preferred Alternate Ice Bridge Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert X tallation & Removal Notes: a snow and ice crossing is used after harvest is completed the suppostructed to allow for flow during the spring melt. The snow and incentions the suppostructed to allow for flow during the spring melt.	Temporary Crossing: 01 July,2022 to 01 July,2023



LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Fax: 204-734-3646 Cut Block Name: STR-012 Twp & Rge: t27r24w Cut Block Size: 75.0 ha **OPERATING AREA: Stoski Rd.** Ownership: Open Crown Mapsheet: 370569 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Ht (m) Vol % m3/ha Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 19.0 30 65% 106 7,963 TA 78 ws BS ВF 30 BA 18% 29 2 185 176 361 Uniform **WB** 16.4 26 7% 11 844 32 Clumped Total HW 90% 147 10,992 **Eco Land Classification Soils Summary** WS 14.9 23 1.255 17 1st 2nd 3rd BS 0% LFH(cm) Moisture 0 S-Type **Surface Texture** 0 JP 0% n n V Type 05 08 08 Silty Clay Loam **S5** BF 0% 0 0 **Eco Site** 32 09 S5 2 Silty Clay Loam Total SW 10% 1,255 17 **Block Total:** 12,247 Cover Type: H IBWC Cnt: 2 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 10,442 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 1,193 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT SHELTERWOOD** WHOLE TREE Х **UNDERSTOREY PROTECTION FROZEN SELECTION** PILE & BURN DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS MFZ Wetland Located on NE side. Structure will be maintained. Harvest as shown on map Wetland MFZ Located on E side. Structure will be maintained. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 600 to 900 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Beaked hazel is present throughout the block. Alder, raspberry, willow, prickly rose and thistle are present in small amounts. Blue-joint grass is present in approximately half the plots. This block has moderately undulating topography. Maintain shrub and treed structure around small wetlands located throughout the block. Maintain a max of 15 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Snags are mainly concentrated within the S half of the block; maintain within WTP's where safe to do so. Cross IBWC on E side in one location only. Evidence of previous harvest activity throughout block.

Stoski Rd

FML 3 2023 - Harvest

DING SOLUTIONS Fax: 204-734-4102		
		_
RENEWAL STRATEGY BY SPECIES Species Natural Advanced Assisted TA X	SITE PREPARATIONS PREF. ALT. DRAG MOUND TRENCH WINTER RIPPER AREA PLANT	SNOW CACHE: RENEWAL COVERTYPE: H RENEWAL ACCESS ATV HELICOPTER TRUCK
Siteprep Summary	Planting Summary	Survey Summary
Year Action Area (ha) Alternate	Year Season Species Density Tota	_
		Reforestation First 2029
ENEWAL COMMENTS/ISSUES:		
INTERNAL REVIEW	RESCRIPTION REVIEW AND MITIGATION EXTERNAL REVIEW	
x PLANNING	X SUBMITTED TO	
x WILDLIFE	—	ERNS MITIGATED
X SILVICULTURE RMT Concerns and Comments:	Mitigation Strategy:	Mitigate
Snowmobile access in winter. One year notice to club. Request designated trail for harvest in dense WS understopatches. 15 m RZ wetland NE side may be reduced if LOS broken I protection. Do not understand why LOS will not be met with structure, topography Clarify where buffer is on E side. Request some planting of softwood patches. LOS to be met, moose wintering area.	Will notify club. The snowmobile clubs to the open houses. Will contact the a Discussed. The 4 highest understory will be harvested with patch retention. y US Will leave at MFZ. Patch retention sho	x are on our SAC and usually come out ffected clubs when harvest is planned. plots were removed. The remainder x x x x x x x x x

Stoski Rd. - STR-012

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Fax: 204-734-3646 Cut Block Name: STR-013 Twp & Rge: t27r24w Cut Block Size: 61.8 ha **OPERATING AREA: Stoski Rd.** Ownership: Open Crown Mapsheet: 370569 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Age (yr) Avg Ht (m) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 21.2 62% 101 6,270 TA 92 31 ws BS ВF BA 83 18.5 31 15% 25 1 522 260 Uniform 297 **WB** 68 16.3 24 9% 14 895 Clumped Total HW 85% 141 8,687 **Eco Land Classification Soils Summary** WS 55 15.5 25 807 8% 13 1st 2nd 3rd BS 0% Moisture 0 LFH(cm) S-Type **Surface Texture** 0 JP 0% n n 01 V Type 05 08 10 Silty Clay **S5** BF 16.6 23 7% 11 694 **Eco Site** 11 32 23 05 S5 2 Clay Loam Total SW 15% 1,501 24 80 S4 Silt Loam **Block Total:** 10,188 Cover Type: H IBWC Cnt: 4 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 8,253 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 1,427 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE Х **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS MFZ Located on W central portion of block. Structure will be maintained. Harvest as shown on map. Flood Flood MFZ Located on SE side of block. Structure will be maintained. Harvest as shown on map. MFZ Flood Located along N side. Structure will be maintained. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 494 to 742 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Beaked hazel is present throughout the block. Alder, prickly rose, fireweed, thistle and blue-joint grass are present in small amounts. This block has moderately undulating topography. Maintain shrub and treed structure around small wetlands located within the center, NE corner and S end of the block. Maintain a max of 12 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Snags mainly concentrated in the N end and S end of the block; maintain within WTP's where safe to do so. Evidence of previous harvest activity throughout block.

Stoski Rd.

FML 3 2023 - Harvest

RENEWAL STRATEGY BY SPECIES			N INFO		\						
	SITE	PREPARATI	ONS		SN	SNOW CACHE:					
Species Natural Advanced Assisted TA X	PREF. AL	T. DRAG MOUND TRENCH WINTER R AREA PLAI			RENEWAL COVERTYPE: H RENEWAL ACCESS ATV HELICOPTER TRUCK						
BF L L						, –					
Siteprep Summary			ng Sum			↓ ⊢	Survey Su		V		
Year Action Area (ha) Alt	ternate Year	Season Sp	oecies	Density	Total	┨┤	Type Reforestation	Series First	Year 2029		
	PRESCRIPTION	I REVIEW A									
INTERNAL REVIEW X PLANNING X WILDLIFE X SILVICULTURE	PRESCRIPTION	I REVIEW A		TERNAL R							
X PLANNING	PRESCRIPTION	I REVIEW A	X X	TERNAL R	EVIEW ED TO IRM				Mitiga		

Stoski Rd. - STR-013

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Name: STR-014 Twp & Rge: t27r24w Cut Block Size: 45.8 ha OPERATING AREA: Stoski Rd. Ownership: Open Crown Mapsheet: 370569 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution 20.1 28 77% 183 8,376 TA ws BS ВF 29 BA 13 609 18.3 6% 194 Uniform 117 **WB** 81 15.9 27 9% 21 983 Clumped Total HW 92% 218 9,968 **Eco Land Classification Soils Summary** WS 81 16.2 25 712 16 1st 2nd 3rd BS 9.0 16 0% LFH(cm) S-Type Moisture Surface Texture 39 JP 0% n n 08 V Type 05 Silty Clay 08 **S5** BF 15.0 23 1% 3 136 **Eco Site** 31 52 12 S10 5 Silty Clay Total SW 8% 887 19 **Block Total:** 237 10,855 Cover Type: H IBWC Cnt: 2 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 9,470 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 843 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE Х **FROZEN SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ Located on W side. Structure will be maintained. Harvest as shown on map Flood WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 366 to 549 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Beaked hazel is present throughout the block. Pricly rose and blue-joint grass are present in small amounts. This block has moderately undulating topography. Maintain a max of 8 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Snags mainly concentrated within the centre and along the E edge of the block; maintain within WTP's where safe to do so. Evidence of previous harvest activity throughout block.

Stoski Rd.

FML 3 2023 - Harvest

	RE	ENEWAL PRE	SCRIPTION INF	ORMATIC	N					
RENEWAL STRATEGY BY S	PECIES	SITE I	PREPARATIONS		SN	SNOW CACHE:				
Species Natural Advanced	Assisted	PREF. ALT			RE	NEWA	L COVERTYPE: H			
та 🗓			DRAG							
ва х	П	ПП	MOUND		RE	NEW	AL ACCESS			
wв х			TRENCH				ATV			
ws x			WINTER RIPPER				HELICOPTER			
BS			AREA PLANT			Ш	TRUCK			
JP	Ц									
BF										
Siteprep Summ	nary		Planting Sur	nmary		1 Г	Survey Su	mmary		
Year Action	Area (ha) Alternate	Year	Season Species	Density	Total	1 [Туре	Series	Year	
							Reforestation	First	2029	
DENEWAL COMMENTO//CC::=C										
RENEWAL COMMENTS/ISSUES	5: 									
Areas of WS understory >500 ste							23 has high			
understory levels and has been n										
Areas of BF understory >500 ster		are localized in the	e S end of the block (plots 8 and 9	9). These area	as will b	be harvested with			
concentrated clumps of BF being	maintained									
	DE	ESCRIPTION	REVIEW AND N	UTICATIO	N					
		ESCRIPTION								
INTERNA	AL REVIEW		EX	TERNAL R	REVIEW					
X PLA	NNING		Γx	SUBMIT	TED TO IRMT	on 10	/31/14			
X WILI	DLIFE		x	-1	T CONCERNS					
X SILV	/ICULTURE			_						
IRMT Concerns and Comments:			Mitigation Strategy:						Mitigate	
			1						¬	
Site prep and planting have been	done in block.		MC will let LP kn	ow location a	and survival of	f planta	ation.		x x	
Moose wintering area. LOS guidel	lines to apply.		OK. Will remove	comment.					X	
			ki Rd STR-014							

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Fax: 204-734-3646 Cut Block Name: STR-015 Twp & Rge: t27r24w Cut Block Size: 72.3 ha OPERATING AREA: Stoski Rd. Ownership: Open Crown Mapsheet: 370569 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Age (yr) Avg Ht (m) Vol % Vol (m3) Understory Stems/ha and Distribution 21.6 28 78% 165 11,897 TA ws BS BF 75 24 BA 13 973 19 1 6% 122 Uniform 59 Clumped **WB** 0% 0 0 Total HW 85% 178 12,870 **Eco Land Classification Soils Summary** WS 16.8 27 1.513 21 1st 2nd 3rd BS 14.8 LFH(cm) Moisture 19 5% 11 821 S-Type Surface Texture JP 0% 0 0 08 01 V Type 05 06 Clay Loam BF 0% 0 0 **Eco Site** 51 14 S5 2 Loam Total SW 15% 2,334 32 **Block Total:** 210 15,204 Cover Type: H IBWC Cnt: 2 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 12,227 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 2,218 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE Х **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS Wetland MFZ Located on SW and SE sides. Structure will be maintained. Harvest as shown on map. Stream Silver Creek located on W side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 578 to 867 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Beaked hazel is present throughout the block. Alder and blue joint grass are present in moderate amounts and thistle is present in small amounts. This block has moderately undulating topography. Maintain a max of 15 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Snags mainly concentrated within the N and S fingers of the block; maintain within WTP's where safe to do so. Evidence of previous harvest activity in south portion of block.

Stoski Rd.

FML 3 2023 - Harvest

				RE	ENEWAL	PR	RESCRIPT	ION INF	ORMATIO	N						
RENEWA	L STRATEGY	BY SP	ECIES		SITE PREPARATIONS							SNOW CACHE:				
Species N	Natural Advan	nced As	ssisted		PREF.	Α	LT.			F	RENEWA	AL COVERTYPE: H				
TA	х	7 [Γ	DRAG									
ВА	x	1 1	_				MOUN	D		F	RENEW	AL ACCESS				
WB] [TRENC	CH				ATV				
ws	x] [L	_	R RIPPER				HELICOPTER				
BS	\sqcup	4 1	_				AREA	PLANT				TRUCK				
JP	\vdash	┩ ┡	_													
BF		J L														
	Siteprep	Summa	ry		1 [P	lanting Sur	nmary		ΠГ	Survey Su	mmary			
Year	Action		Area (ha)	Alternate	Ye	ar	Season	Species	Density	Total	7 [Туре	Series	Year		
											7 [Reforestation	First	2029		
RENEWAL C	OMMENTS/IS	SUES:														
		500 sten	ns/ha and	<6m in height	are localize	d in	the central	portion of th	ne block (plo	ts 20 and 3	0). Clum	ps of understory will				
•	ed in patches.									44.00						
	S understory >5 ved from the blo		is/ha and •	<6m in height a	are localized	in t	the central	oortion of th	e block (plot	s 11, 28 an	d 38). Tr	nese plots have all				
been remo	ved from the bit	OCK.														
				DD	ESCRIP		N DEVIE	A AND N		N						
				PR	ESCRIP	IIO	N REVIE	W AND IV	IITIGATIO	N						
	INT	ERNAL	REVIEV	V				EX	TERNAL R	EVIEW						
	х	PLAN	NING					Гx	1 SUBMITT	ED TO IRM	/IT on 10)/31/14				
	x	WILD	LIFE					x	-	CONCER						
	X	-	CULTURE						J ALL IIKW	OONOLIN	INO IVII I I	OATED				
IRMT Concerns	and Comments:	1					Mitigat	on Strategy:						Mitigate		
Tana Concerns	una commento.						Miligat	on otrategy.								
1	in center of blo	ck, harve	est and pla	ant or leave and	d no		Will d	iscuss with	SPL silvicult	ural foreste	r.			x		
plant. If BS in cent	ter is left mainta	ain hardw	vood rim fo	or windfirmness	2		\\/ill m	aintain han	dwood rim if	RS not han	rested					
					J.					יסם ווטנ וומוי	vesi c u.			X		
ivioose winte	ering area LOS	guidelini	es to apply	y.			OK. V	Vill remove	comment.					Lx		
I																
							toski Rd STR									

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Fax: 204-734-3646 Cut Block Name: STR-016 Twp & Rge: t27r24w Cut Block Size: 47.7 ha **OPERATING AREA: Stoski Rd.** Ownership: Open Crown Mapsheet: 370568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Ht (m) Vol % Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 20.6 33 56% 88 4,199 TA 80 ws BS ВF 31 24% 37 BA 1,773 18 2 276 Uniform **WB** 16.3 31 8% 12 575 38 Clumped Total HW 87% 137 6,547 **Eco Land Classification Soils Summary** WS 13.9 24 866 12% 18 1st 2nd 3rd BS 0% LFH(cm) Moisture 0 S-Type Surface Texture 0 JP 0% n n 08 01 V Type 05 10 Silty Clay **S6** BF 16.7 27 1% 76 **Eco Site** 51 11 09 S2 Silty Clay Loam Total SW 13% 20 942 **Block Total:** 7,489 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 6,136 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 871 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE Х **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ Located along seasonal stream on E and N sides. Structure will be maintained. Harvest as shown on map Flood 50 Stream Silver Creek located on SW side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 382 to 573 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Beaked hazel is present throughout the block. Blue joint grass is present in moderate amounts. Alder and thistle are present in small amounts. This block has relatively flat topography. Maintain shrub and treed structure around small wetlands located in the center, SW and NW corners of the block. Maintain a max of 9 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Snags mainly concentrated in the S half of the block; maintain within WTP's where safe to do so. Evidence of previous harvest activity throughout block.

Stoski Rd.

FML 3 2023 - Harvest

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RENEWAL STRATE	GY BY	SPECIES		SITE PREPARATIONS							SNOW CACHE:				
Species Natural Ad	lvanced	Assisted		PRI	EF.	ALT.					RENEWA	L COVER	RTYPE: H		
TA X BA X				E			DRAG MOUNI				RENEW	,	ESS		
WB X WS BS JP	x				<u> </u>		TRENC WINTE AREA I	R RIPPER				ATV HELIC TRUC	COPTER		
	Ш	Ш		. —											
<u> </u>	rep Sumi		•••	<u> </u>				anting Sur			 		Survey S		
Year Actio	n	Area (ha)	Alternate		Year	+	Season	Species	Density	Total	\dashv \vdash		Type orestation	Series First	Year 2029
												TCIC	O C Station	1 1131	2023
			PR	ESCRI	IPTI(ON	REVIE\	W AND N	IITIGATIO	N					
ı	INTERN	AL REVIEW							TERNAL R						
	x WII	ANNING LDLIFE VICULTURE						x	-						
IRMT Concerns and Commen	its:						Mitigati	on Strategy:							Mitigate
Possible plantation on N Any dense areas of WS Discuss showing more s Moose wintering area. L	understo structure	ory over 1 ha induced to flat topo	n size. ography.				Hard t			nd surviv	al of planta	ation.			X X X X X X X X X X
1															- 1

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Fax: 204-734-3646 Cut Block Name: STR-017 Twp & Rge: t27r24w Cut Block Size: 91.1 ha **OPERATING AREA: Stoski Rd.** Ownership: Open Crown Mapsheet: 370568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Understory Stems/ha and Distribution 18.2 29 43% 58 5,254 TA ws BS ВF 60 30 19% 25 2.310 BA 17.0 85 Uniform **WB** 15.6 26 8% 10 934 Clumped Total HW 69% 93 8,498 **Eco Land Classification Soils Summary** WS 15.6 28 42 3.831 89 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type Moisture Surface Texture 0 JP 0% 0 n 08 13 V Type 05 09 Loamy Sand BF 0% 0 0 **Eco Site** 33 23 32 04 S5 2 Silty Clay Loam Total SW 31% 42 3,831 09 S5 2 Silty Clay **Block Total:** 135 12,329 Cover Type: N IBWC Cnt: 3 80 **S6** 2 Silty Clay HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 8,072 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 3,639 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE Х **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS Wetland MFZ Located on all sides. Structure will be maintained. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 729 to 1,093 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Beaked hazel is present throughout the block. Raspberry, alder, thistle and blue-joint grass are present in small amounts. This block has moderately undulating topography. Maintain shrub and treed structure around small open areas and wetlands located in the center and S end of the block. Maintain a max of 18 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Snags mainly concentrated in the center and S half of the block; maintain within WTP's where safe to do so. Evidence of previous harvest activity throughout block.

Stoski Rd.

FML 3 2023 - Harvest

		RE	NEWAL PR	ESCRIPT	TION INF	ORMATIO	V				
STRATEGY B	Y SPECIES		SITE	E PREPAR	ATIONS		SNO	OW CA	ACHE:		
Advance	d Assisted		PREF. A	DRAG MOUN							
x	x		x	-				X	HELICOPTER TRUCK		
Siteprep Su	ımmary			Р	lanting Sur	nmary			Survey Sun	nmary	
Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	L	Type	Series	Year
			2024	Sp	WS	1600	19440	 -			2025
MMENTS/ISSU	JES:							L		7 1130	_55-7
INITE	DNAL DEVIEW		ESCRIPTIO	N REVIE							
x x	PLANNING WILDLIFE				х	SUBMITT	ED TO IRMT				
nd Comments:				Mitigati	ion Strategy:						Mitigate
winter scarification	on and seeding/			N bloc Discu	ck therefore ssed. Will u	no. Might pla	ant portions vi			9 S.	x x x
	Siteprep St. Action INTER X X X X X X X X X X X X X X X X X X	Siteprep Summary Action Area (ha) MMENTS/ISSUES: r seed trees because of access. oftwood everywhere, if other blo requires snow cache and helicological programments arvest softwood areas to be add winter scarification and seeding ing access into block.	STRATEGY BY SPECIES tural Advanced Assisted X X X X X X X X X X X X X X X X X X X	STRATEGY BY SPECIES tural Advanced Assisted PREF. A X X X X X X X X X X X X X X X X X X	STRATEGY BY SPECIES SITE PREPARE TUTELY Advanced Assisted X X X X X X X X X X X X X X X X X X X	STRATEGY BY SPECIES tural Advanced Assisted PREF. ALT. DRAG MOUND TRENCH WINTER RIPPER AREA PLANT Planting Sun	STRATEGY BY SPECIES tural Advanced Assisted PREF. ALT.	THE TOTAL REVIEW Advanced Assisted PREF. ALT. REI DRAG MOUND TRENCH WINTER RIPPER AREA PLANT	STRATEGY BY SPECIES SITE PREPARATIONS SNOW C/ RENEWA X	STRATEGY BY SPECIES SITE PREPARATIONS SHOW CACHE: RENEWAL COVERTYPE: N RENEWAL ACCESS MOUND TRENCH WINTER RIPPER AREA PLANT Planting Summary Type Planting Summary Planting Summary Planting Summary Planting Summary Survey Sum Type Planting Summary Planting Summary Planting Summary Survey Sum Type Planting Sum T	STRATEGY BY SPECIES SITE PREPARATIONS SNOW CACHE: RENEWAL COVERTYPE: N Advanced Assisted PREF. ALT. RENEWAL ACCESS MOUND RENEWAL ACCESS TRENCH WINTER RIPPER ACTV HELICOPTER TRUCK Siteprep Summary Action Area (ha) Alternate Vear Season Species Density Total Type Series Planting Summary Type

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Name: STR-018 Twp & Rge: t27r24w Cut Block Size: 48.0 ha OPERATING AREA: Stoski Rd. Ownership: Open Crown Mapsheet: 380568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution 19.5 32 58% 3,389 TA 71 ws BS BF ВА 47 27 31% 37 1,795 196 25 **WB** 15.0 22 1% 2 81 Clumped Total HW 90% 110 5,265 **Eco Land Classification Soils Summary** WS 16.8 32 615 83 13 1st 2nd 3rd BS 0% LFH(cm) 0 S-Type Moisture Surface Texture 0 JP 0% 0 0 01 V Type 05 01 Loamy Sand **S1** BF 0% 0 0 **Eco Site** 31 Total SW 10% 615 13 **Block Total:** 122 5,880 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 5,002 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 584 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ Roads Stoski Road located on the S side. Structure will be maintained. Harvest as shown on map Flood MFZ Located on the W, E, S and center sides. Floods are all expanding. Structure will be maintained. Harvest as shown on map. Cabin 100 Snowman cabin located on the E side. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 384 to 576 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Maintain a max of 9 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Stoski Road is also used as Snowman trail. Contact Snowman to inform of harvest. Mitigate possible conflicts.

FML 3 2023 - Harvest

				RE	NEWAL	PR	ESCRIPT	ION INF	ORMATIO	DN				
RENEV	NAL STRATE	GY BY	SPECIES		;	SITE	E PREPAR	ATIONS		SI	NOW CA	ACHE:		
Species	Natural A	dvanced	Assisted		PREF	. AI	LT.			RI	ENEWA	L COVERTYPE: H		
TA	х					Г	DRAG			_				
ВА	х		П				MOUN)		R	ENEW	AL ACCESS		
WB	х						TRENC	Н				ATV		
ws			Щ	\vdash	_	R RIPPER				HELICOPTER				
BS	Ш	Ш	Ш				AREA	PLANT				TRUCK		
JP	Н	Н	Н											
BF		Ш												
	Sitep	rep Sum	mary				Р	anting Su	mmary] [Survey Sur	nmary	
Year	Actio	on	Area (ha)	Alternate	Ye	ar	Season	Species	Density	Total	╛┟	Туре	Series	Year
											JL	Reforestation	First	2029
RENEWAL	COMMENTS	S/ISSUE	S:											
				PR	ESCRIP'	TIO	N REVIE	W AND N	MITIGATIO	ON				
		INTERN	NAL REVIEW	V				E	(TERNAL I	REVIEW				
		X PL	ANNING					Гх	1 SUBMIT	TED TO IRM	T on 10	/18/19		
		—	ILDLIFE					x	-	T CONCERN				
			LVICULTURE					[-	」					
IRMT Conce	rns and Comme						Mitigati	on Strategy						Mitigate
100m bu	ffer of SnoMan	cabin					'Was	showing as	100m+ on	olock bounda	rv. will i	update prescription to		X
Toom bu	inci of chowan	Cubin.					match		1001111	Sidok Bodilda	ıy, wııı c	apadic presemption to		
		oad with	Intermountai	n SnoMan club	. Buffer		Agree	d.						X
or no buf	fter.													
1														1

Stoski Rd. - STR-018

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Fax: 204-734-3646 Cut Block Name: STR-802 Twp & Rge: t27r24w Cut Block Size: 38.0 ha OPERATING AREA: Stoski Rd. Ownership: Open Crown Mapsheet: 370568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Vol (m3) Species Avg Age (yr) Avg Ht (m) m3/ha Understory Stems/ha and Distribution 20.1 32 40% 64 2,422 TA 80 ws BS 25 325 BA 9 17 7 5% Uniform 336 Uniform 182 318 **WB** 15.9 23 18% 29 1,083 Clumped Total HW 64% 101 3,830 **Eco Land Classification Soils Summary** WS 19.3 36 1.883 50 1st 2nd 3rd BS 12.5 22 4% 215 LFH(cm) S-Type Moisture 6 Surface Texture JP 0% n n V Type Silty Clay Loam 05 BF 9.8 18 1% 57 **Eco Site** 09 S9 5 Silt Loam Total SW 36% 2,155 57 **Block Total:** 158 5,985 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 3,000 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 500 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE Х **FROZEN SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE SALVAGE PATCH RETENTION WHOLE TREE TOP AT STUMP **DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS Wetland MFZ Located on E side. Maintain structure. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 304 to 456 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Mitigated in 1999/00 AOP Beaked hazel, raspberry, thistle and alder are present in the block. This block has moderately undulating topography. Snags located throughout block; maintain where safe to do so. Maintain advanced regen if present in patches.

Stoski Rd.

This block was selectively harvested for softwood 15 years ago. The block has had some area added on the N end and will be completed by LP.

Most of the softwood has been harvested from this block. The area to the north which was added is mostly hardwood.

FML 3 2023 - Harvest

RENE\ Species			RE	ENEWAL PI	RESCRIP	TION INF	ORMATIO	N				
Species	WAL STRATEG	Y BY SPECIES		SIT	E PREPAR	ATIONS		s	NOW CA	ACHE:		
	Natural Adva	inced Assisted		PREF.	ALT.			R	ENEWA	L COVERTYPE: H		
TA	x				DRAG			-	-N-1-14/	N 400500		
ВА	x				MOUN	D		K	ENEW	AL ACCESS		
WB	X	→ 		\sqcup	TRENO				Щ	ATV		
ws	\square	<u> </u>		\vdash	_	R RIPPER			Н	HELICOPTER		
BS JP	\vdash	→ 		ш	AREA	PLANT			Ш	TRUCK		
BF	H	┥ ├┤										
				. —								
Year	Sitepre _l Action	Summary Area (ha)	Alternate	Year	Planting Summary Season Species Density T		Total	┥┝	Survey Summary Type Series		Year	
- Tour	Action	Area (na)	Atternate	l lear	Jeason	Opecies	Delisity	Total	┨┞	Reforestation	First	2023
DENES::::	L COMMENTS/I	001150				1	1	1				
with cor Areas o	ncentrated clumps of BS understory >	500 stems/ha and sof BF being mainta 500 stems/ha and stable trees will be le	ained. <6m in height a	are located in t				•		as will be harvested		
	IN	TERNAL REVIEV		ESCRIPTIO	ON REVIE		IITIGATIO					
	_	7		ESCRIPTIO	DN REVIE	EX	TERNAL R	EVIEW	IT on 400	24144		
	x	PLANNING		ESCRIPTIO	DN REVIE	EX	TERNAL R	EVIEW ED TO IRM				
	_	PLANNING WILDLIFE	v	RESCRIPTIO	ON REVIE	EX	TERNAL R	EVIEW				
IRMT Conce	x x	PLANNING WILDLIFE SILVICULTURE	v	RESCRIPTIO		EX	SUBMITT	EVIEW ED TO IRM				Mitigate

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

OPER	ock Name						Rge: t27r24vrship: Open			Cut Block Size: 21.2 ha Mapsheet: 380568						
	ICE: FML 3	A. Oloski					gement Unit:					nd Statu				
					PRE-H	ARVEST										
Species	Avg Age (yr)	Avg Ht (m)	Avg DBH (cm)	Vol %	m3/ha	Vol (m3)		Oran,		rstorv	Stems/ha	and Distr	ibution			
TA	77	15.8	25	48%	69	1,464		ws	Onac	istory	BS	and Disti	ibution	BF		
BA WB		13.8	24	2% 0%	3 0	60 0	122	Uniforn	n							
Total HW	l			50%	72	1,524	Fcola	nd Clas	sification	, 1		Saila Summanu				
WS BS		18.9	38	50% 0%	71 0	1,496 0		1st	2nd	3rd	LFH(cm)	S-Type	Soils Summ Moisture	Surface Texture		
JP				0%	0	0	V Type	08	05		04	S6 S6	Worsture 3	Loam		
BF Tetal CVA	1			0%	0	1.400	Eco Site	33	32		10	S10	2	Clay Loam		
Total SW Block To				50%	71 143	1,496 3,020	Cover Type:	ı Tıbı	VC Cnt:	$\overline{}$		0.0	_	olay zoalii		
Diock 10	·tui.										_					
				Н	ARVES	T PRESC	RIPTION IN	FORM	ATION							
	HARDWOOD	ALLOCATIO	ON: LP							НА	RDWOOD	VOLUME	(m3): 100			
	SOFTWOOD	ALLOCATIO	N: Quota Holde	r						so	FTWOOD	/OLUME	(m3): 105			
ЦΛΙ	RVEST SEAS	SON .			ЦΛΙ	DVEST/SII	VICULTURE	SVSTEI	и				I ASH AR	ATEMENT		
			<u></u>	1					V1			SLASH ABATEMENT				
H	ALL SEASON FROZEN	l	X	CLEA	CTION	-	SHELTERWOO UNDERSTORE		TOTION	WHOLE TREE PILE & BURN						
×	DRY/FROZEN	N		-	TREE	لگا		DANCE	ECTION	•	WLF DEBRIS PILE					
ت	DICITI ROZZ	•		SALV				CH RETE	NTION					TOP AT STUMP		
				_					SKID 1	RAILS	•					
_	INFORMATI		DETAILS				ш					1	NOTE : IBWO	C = In Block Water Cours		
	TURE	WIDTH (m)	DETAILS													
0																
	: TREE RETE EROSION RIS		per Standard O	perating	Guidlines	leave appro	oximately 169 to	o 254 tre	es.							
EVERE I		SK POTEN	· —	perating	Guidlines	leave appro	oximately 169 to	o 254 tre	es.							
EVERE I	COMMENT	SK POTEN S/ISSUES:	· —		Guidlines	leave appro	oximately 169 t	254 tre	es.							
IARVEST	COMMENTS	SK POTEN S/ISSUES: st approxima	ΓIAL:	er year.).S.						
EVERE I	COMMENT: older will harve and and few to	SK POTEN' S/ISSUES: st approxima no wet areas	TIAL:	er year.	P's are n					o.s.						
IARVEST Quota ho	COMMENT: older will harve and and few to	SK POTEN' S/ISSUES: st approxima no wet areas	tely 1 to 2 ha pe	er year.	P's are n					O.S.						
IARVEST Quota ho	COMMENT: older will harve and and few to	SK POTEN' S/ISSUES: st approxima no wet areas	tely 1 to 2 ha pe	er year.	P's are n					o.s.						
IARVEST Quota ho	COMMENT: older will harve and and few to	SK POTEN' S/ISSUES: st approxima no wet areas	tely 1 to 2 ha pe	er year.	P's are n					o.s.						
IARVEST Quota ho	COMMENT: older will harve and and few to	SK POTEN' S/ISSUES: st approxima no wet areas	tely 1 to 2 ha pe	er year.	P's are n					D.S.						
IARVEST Quota ho	COMMENT: older will harve and and few to	SK POTEN' S/ISSUES: st approxima no wet areas	tely 1 to 2 ha pe	er year.	P's are n					D.S.						
IARVEST Quota ho	COMMENT: older will harve and and few to	SK POTEN' S/ISSUES: st approxima no wet areas	tely 1 to 2 ha pe	er year.	P's are n					o.s.						
IARVEST Quota ho	COMMENT: older will harve and and few to	SK POTEN' S/ISSUES: st approxima no wet areas	tely 1 to 2 ha pe	er year.	P's are n).S.						

Stoski Rd.

FML 3 2022 - Harvest

RE	RENEWAL PRESCRIPTION INFORMATION								
RENEWAL STRATEGY BY SPECIES	SITE PREPARATIONS	SNOW CACHE:							
Species Natural Advanced Assisted	PREF. ALT.	RENEWAL COVERTYPE: N							
TA X	DRAG	RENEWAL ACCESS							
BA X H	MOUND TRENCH	□ ATV							
ws x x	WINTER RIPPER	HELICOPTER							
BS A	X AREA PLANT	TRUCK							
JP 🔲 🗎		_							
BF L									
Siteprep Summary	Planting Summary	Survey Summary							
Year Action Area (ha) Alternate	Year Season Species Density Total	Type Series Year							
		Plantation Survival First 2024							
RENEWAL COMMENTS/ISSUES:		Reforestation First 2033							
PRI INTERNAL REVIEW	ESCRIPTION REVIEW AND MITIGATION EXTERNAL REVIEW								
x PLANNING	X SUBMITTED TO IF	RMT on 9/16/05							
X WILDLIFE	X ALL IRMT CONCE	RNS MITIGATED							
X SILVICULTURE RMT Concerns and Comments:	Mid-pains Canada and	Mitigate							
	Mitigation Strategy:								
Consider shelterwood and understory protection.	Discussed shelterwood. Agreed to a or harvest. District will provide guidance to								
Discuss starting at back of block using existing trail.	after 1st year and evaluate harvest app LP not sure quota holder would start at would make it easier. Encourage site v	proach for future. back. Agreed using existing trail							
300m LOS for elk prescribed in Jan, 2020.	District re:access and harvest plan. Block is 350 m x 350 m. Will look at a c	couple small leave patches to meet							
Year round elk habitat.	this. LP did not observe year round elk use heavy use.								
MC requires 25% cover be maintained and evaluated at year		harvest.							

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 Cut Block Name: STR-853 Twp & Rge: t27r24w Cut Block Size: 87.4 ha **OPERATING AREA: Stoski Rd.** Ownership: Open Crown Mapsheet: 380568 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution TΑ 20.3 31 32% 74 6,474 ws BS ВF ВА 30 6% 14 1,203 19.0 119 **WB** 17.6 22 3% 7 598 Clumped 10 Clumped Total HW 41% 95 8,275 **Eco Land Classification Soils Summary** WS 20.1 32 134 11,755 73 59% 1st 2nd 3rd BS 0% LFH(cm) 0 S-Type Moisture **Surface Texture** 0 JP 0% 0 0 08 21 V Type 13 Silty Sand 16 S₂ BF 0% 0 0 **Eco Site** 23 Total SW 59% 11,755 134 **Block Total:** 229 20,030 Cover Type: M IBWC Cnt: 1 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP/Quota Holder HARDWOOD VOLUME (m3): 7,860 SOFTWOOD ALLOCATION: SPL/Quota Holder SOFTWOOD VOLUME (m3): 11,167 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ-30 Located on the E, S and W sides of block. Variable MFZ to 30m buffer. Harvest as shown on map. Wetlands are expanding. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 699 to 1,049 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Maintain a max of 17 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block

Stoski Rd.

FML 3 2022 - Harvest

RENEW	RENEWAL STRATEGY BY SPECIES				SITE PREPARATIONS					CHE:			
Species	Natural Advance	ced Assisted		PREF. A	LT.			RENE	WAL	COVERTYPE: M			
TA	x				DRAG								
ВА	x				MOUN	D		RENE	EWAI	L ACCESS			
WB	x	1 🗇			TRENC	CH			х	ATV			
ws	x	x			WINTE	R RIPPER			П	HELICOPTER			
BS				х	AREA	PLANT			П	TRUCK			
JP								•					
BF													
	Siteprep S	Summary			Planting Summary					Survey Summary			
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	H	Туре	Series	Year	
100.	7.0	7.100 (110)	7.11.01.11.01.0	2023	Sp	WS	1800	119880		Plantation Survival	First	2024	
	1									Regeneration	First	2033	
RENEWAL	COMMENTS/IS	SUES:							L				
Ensure A	TV access for see	edling delivery											
1			-C i bi-bt				blask (slata	00.8.05) Olympi					
	WS understory >5	600 stems/ha and	<6m in height a	are located in t	he central p	ortion of the	block (plots	23 & 25). Clump	ps of u	understory will be			
protected	I in patches.												
			DD	FOODIDTIO	N DEVIE	A AND M	UTIOATIO	N.					
			PR	ESCRIPTIO	N REVIE	W AND M	ITIGATIO	N					
	INTI	ERNAL REVIEV	V			EX	TERNAL R	EVIEW					
	х	PLANNING				[v	1 спритт	ED TO IRMT or	0/45	/24			
	x	WILDLIFE				X	4						
			:				ALL IRM I	CONCERNS M	/IIIIG/	ATED			
	X	SILVICULTURE				_							
IRMT Concern	s and Comments:				Mitigati	on Strategy:						Mitigated	

RENEWAL PRESCRIPTION INFORMATION

Stoski Rd. - STR-853



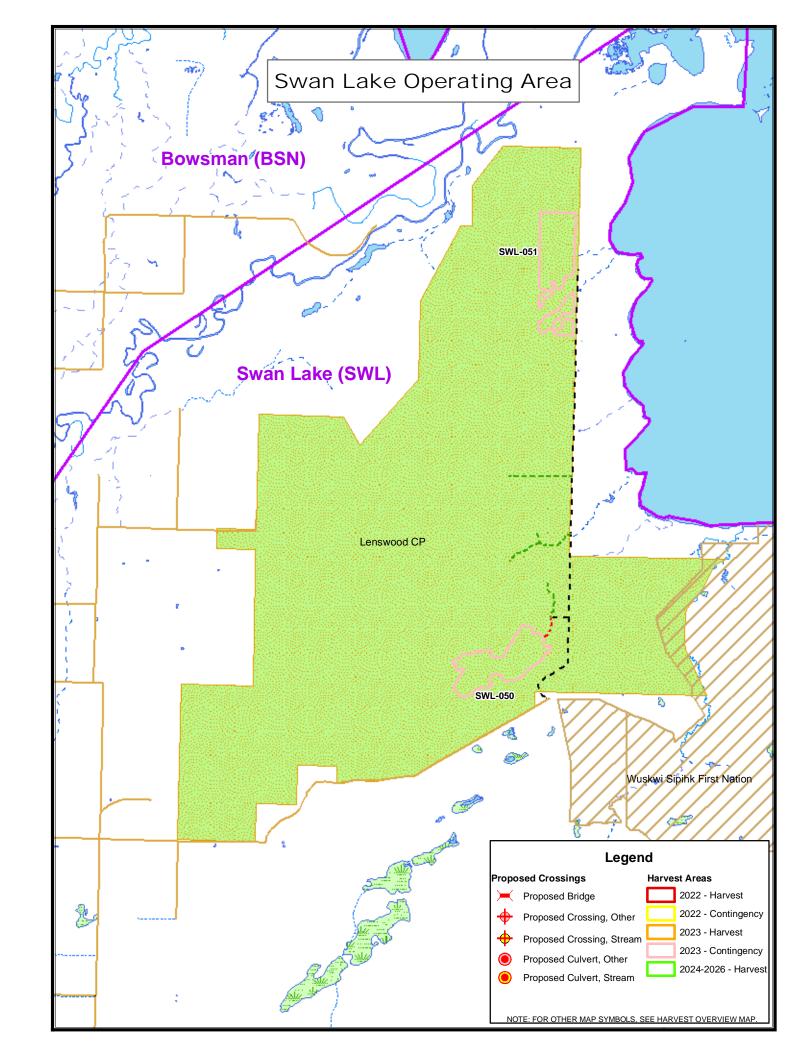
Integrated Operations by Operating Area

Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

Swan Lake FMU 11

SWL-050	126.64 Hecta	res	2023 Contingency
HW Allocation	18,996 m3 LP/Quota Holder		
SW Allocation	0 m3	SPL	
SWL-051	142.02 Hecta	res	2023 Contingency
HW Allocation	21,303 m3	LP/Quota Holder	
SW Allocation	0 m3	SPL	



Roads Swan Lake

	SWL-2	2A (existing				d Develo	pment				
Road D		•		_	Comme This roa		ses block	(SWL-	051 and is part of the access to block SWL-050.		
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespan of Road (yrs)							
5.0	20	8	Dry/Frozen	50							
Road De	eactivati	ion:	ž	다 ㅁ ~	,	_	Sit	_			
Road Clo Responsi			Ne li Cya	and Debris Crossing	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments		
LP/Quota	Holder	Post-Ha Post-Rer	-						This is an existing road the the Lenswood Community Pasture and will remain open.		
:	SWL-2A	-2A (existi	ng)		Addition Comme		d Develo	pment			
Road D	evelopn	nent:		_			of the a	ccess to	b block SWL-050.		
Road ROW Road Season of Length Width Surface Use (km) (m) Width (m)				Lifespan of Road (yrs)							
0.4	20	8	Dry/Frozen	50							
Road De	eactivati	ion:	7	ος _D , σ) тп	_	Sit	7			
Road Clo Responsi			Ne liova	and Debris Crossing	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments		
LP/Quota	Holder	Post-Ha Post-Rer							This is an existing road and will remain open.		
	SW	/L-2A-2B			Addition Comme		d Develo	pment			
Road D	evelopn	nent:					ses block	SWL-	050.		
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespan of Road (yrs)							
0.5	20	8	Dry/Frozen	1							
Road De	<u>eactivati</u>	ion:	7	2 D 0	9 пп	_	Sit	7			
Road Clo Responsi			No.	and Debris Crossing	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments		
LP/Quota	Holder	Post-Ha Post-Rer	_	V					The first 50m of this road will be closed with slash and debris.		

PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: SWL-050 Twp & Rge: t39r23w Cut Block Size: 126.6 ha **OPERATING AREA: Swan Lake** Ownership: Open Crown Mapsheet: 370579 LICENCE: FML 3 Management Unit: 11 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP/Quota Holder HARDWOOD VOLUME (m3): 18,996 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ Located on the SE side. Structure will be maintained. Harvest as shown on map. Wetland MFZ Located on the W side. Structure will be maintained. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 1,013 to 1,520 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block is in the Lenswood Community Pasture. This block has not been surveyed. The volume information is based on surveyed blocks in the area.

Swan Lake

FML 3 2023 - Contingency

				RE	NEWA	L PF	RESCRIP'	TION INF	ORMATIO	N				
RENEW	/AL STRA	TEGY BY	SPECIES			SIT	E PREPAR	RATIONS			IOW CA	ш		
Species TA	Natural	Advanced	Assisted		PRE	:F. Α	ALT. DRAG			RE	NEWAI	L COVERTYPE: H		
ВА	Н	Ш	Н			1	MOUN	D		RI	ENEW/	AL ACCESS		
WB WS	Н	Н	Н		-	╁	TRENO	CH ER RIPPER			Н	ATV HELICOPTER		
BS	Н	H	H			1 t	_	PLANT			Н	TRUCK		
JP	П	П	П											
BF	Ш	Ш			_						, –			
Year		teprep Sum	Area (ha)	Alternate	L	'ear	Season P	lanting Sur Species		Total	┨┞	Survey Su Type	mmary Series	Year
Teal	1	ZUOII	Alea (IIa)	Aiternate	<u> </u>	eai	Season	Species	Density	Total	┪┝	Reforestation	First	2029
RENEWAL	COMMEN	ITS/ISSI IE	· :e.								_		•	
RENEWAL	COMMEN	113/1330												
				PR	ESCRI	PTIC	ON REVIE	W AND N	IITIGATIO	N				
		INTERN	NAL REVIE	W				EX	TERNAL R	REVIEW				
		\vdash	ANNING						-1	TED TO IRM				
			ILDLIFE LVICULTURI	E					ALL IRM	T CONCERN	S MITIC	GATED		
IRMT Concern	ns and Comr						Mitigat	ion Strategy:						Mitigated
														\neg
														┨╙
							1							
1														

Swan Lake - SWL-050

PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Size: 142.0 ha Cut Block Name: SWL-051 Twp & Rge: t39r23w **OPERATING AREA: Swan Lake** Ownership: Open Crown Mapsheet: 380580 LICENCE: FML 3 Management Unit: 11 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution TΑ 0% 0 0 ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type Moisture 0 **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP/Quota Holder HARDWOOD VOLUME (m3): 21,303 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST/SILVICULTURE SYSTEM HARVEST SEASON **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ Located in the middle portion of block. Structure will be maintained. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 1,136 to 1,704 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** This block is in the Lenswood Community Pasture. This block has not been surveyed. The volume information is based on surveyed blocks in the area.

Swan Lake

FML 3 2023 - Contingency

				RE	NEWA	L PF	RESCRIP'	TION INF	ORMATIO	N				
RENEW	/AL STRA	TEGY BY	SPECIES			SIT	E PREPAR	RATIONS			IOW CA	ш		
Species TA	Natural	Advanced	Assisted		PRE	:F. Α	ALT. DRAG			RE	NEWAI	L COVERTYPE: H		
ВА	Н	Ш	Н			1	MOUN	D		RI	ENEW/	AL ACCESS		
WB WS	Н	Н	Н		-	╁	TRENO	CH ER RIPPER			Н	ATV HELICOPTER		
BS	Н	H	H			1 t	_	PLANT			Н	TRUCK		
JP	П	П	П											
BF	Ш	Ш			_						, –			
Year		teprep Sum	Area (ha)	Alternate	L	'ear	Season P	lanting Sur Species		Total	┨┞	Survey Su Type	mmary Series	Year
Teal	1	ZUOII	Alea (IIa)	Aiternate	<u> </u>	eai	Season	Species	Density	Total	┪┝	Reforestation	First	2029
RENEWAL	COMMEN	ITS/ISSI IE	· :e.								_		•	
RENEWAL	COMMEN	113/1330												
				PR	ESCRI	PTIC	ON REVIE	W AND N	IITIGATIO	N				
		INTERN	NAL REVIE	W				EX	TERNAL R	REVIEW				
		\vdash	ANNING						-1	TED TO IRM				
			ILDLIFE LVICULTURI	E					ALL IRM	T CONCERN	S MITIC	GATED		
IRMT Concern	ns and Comr						Mitigat	ion Strategy:						Mitigated
														\neg
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1														

Swan Lake - SWL-051



Fax: 204-734-3646

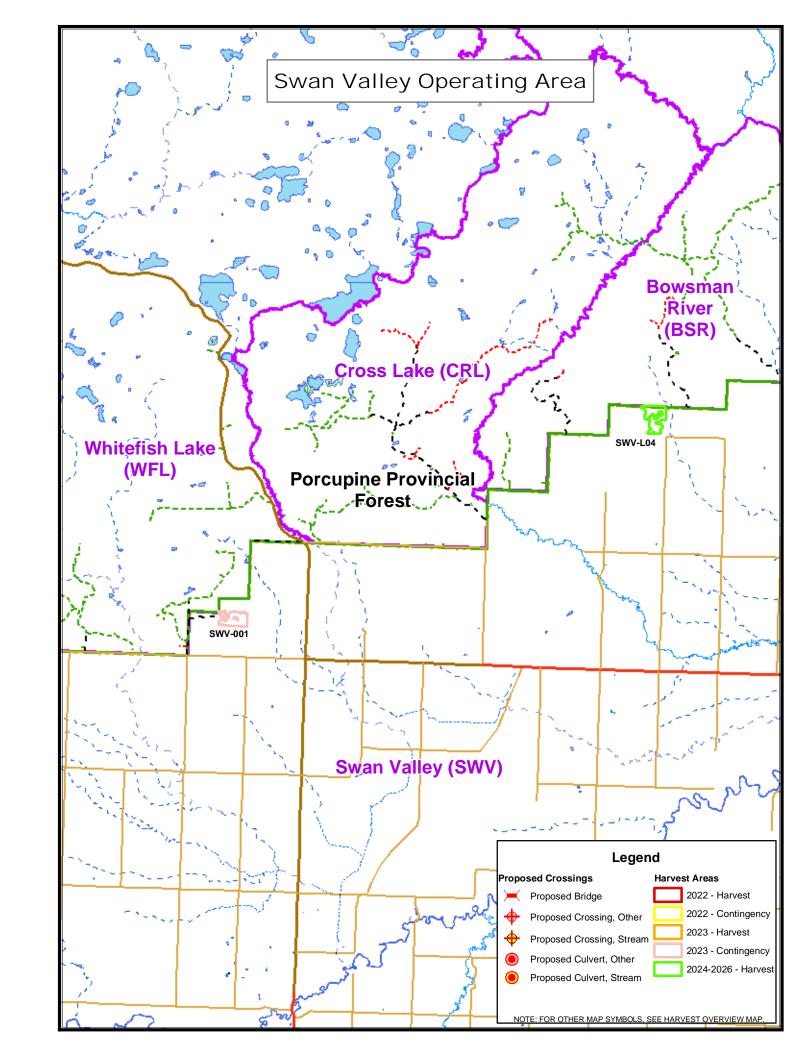
Integrated Operations by Operating Area

Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

FMU 11 Swan Valley

SWV-001	27.49 Hectares	3	2023 Contingency
HW Allocation	4,031 m3	LP	
SW Allocation	0 m3	SPL	



Roads Swan Valley

Road D		IA (existin	g)			Addition Comme	nts		•	: :001. This road was used in 2016.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	fespan f Road (yrs)	THIS TOA	u access	ses bioci	K SVVV-	out. This foad was used in 2016.
0.9	20	8	Dry/Frozen		1					
Road De	eactivat	ion:		교우	D (6			Site	_	
Road Clo Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	te Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rei	arvest		✓	✓				A berm will be placed at the start of the road. Road will be closed with slash and debris.

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Size: 27.5 ha Cut Block Name: SWV-001 Twp & Rge: t38r29w **OPERATING AREA: Swan Valley** Ownership: Open Crown Mapsheet: 320579 LICENCE: FML 3 Management Unit: 11 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution TΑ 0% 0 0 ws BS ВF ВА 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 2nd 1st 3rd BS 0% 0 LFH(cm) S-Type Moisture 0 **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 4,031 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST/SILVICULTURE SYSTEM HARVEST SEASON **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION **SALVAGE** WHOLE TREE TOP AT STUMP **DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course WIDTH (m) DETAILS **FEATURE** WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 220 to 330 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area. Private land located on the S and E sides. Ensure boundary is GPS'd and flagged. Swan Valley

FML 3 2023 - Contingency

	RE	NEWAL PRE	ESCRIPT	TION INFO	ORMATIC	N				
RENEWAL STRATEGY BY	/ SPECIES	SITE	PREPAR	ATIONS		SN	NOW CA	ACHE:		
	Assisted	PREF. AL	т.			RE	ENEWA	L COVERTYPE: H		
та 🔲			DRAG							
ва			MOUNI	D		RI	ENEWA	AL ACCESS		
WB			TRENC	CH				ATV		
ws		$H \vdash$	-	R RIPPER			Ш	HELICOPTER		
BS	\square		AREA I	PLANT			Ш	TRUCK		
JP BF	H									
вг 📙 📙										
Siteprep Sur	mmary		PI	lanting Sun	nmary] [Survey Sur	mmary	
Year Action	Area (ha) Alternate	Year	Season	Species	Density	Total	J ⊢	Туре	Series	Year
							JL	Reforestation	First	2028
RENEWAL COMMENTS/ISSU	FS:									
TENEVAL GOMMENTO/1000										
	PR	ESCRIPTION	N REVIEV	W AND M	IITIGATIO	N				
INTED		LOCKII HOI	VIKEVIE							
	NAL REVIEW				TERNAL R	KEVIEW				
—	PLANNING				-	TED TO IRM				
	VILDLIFE				ALL IRM	T CONCERN	IS MITIC	GATED		
	SILVICULTURE									
IRMT Concerns and Comments:			Mitigati	on Strategy:						Mitigate
										-



Integrated Operations by Operating Area

Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

FMU 13 Tee Lakes

TEL-811	8.06 Hectares		2022 Contingency
HW Allocation	435 m3	Quota Holder/LP	
SW Allocation	279 m3	SPL	
TEL-822	85.66 Hectares	3	2022 Harvest
HW Allocation	17,449 m3	Quota Holder/LP	
SW Allocation	5,270 m3	SPL	
TEL-823	63.42 Hectares	S	2022 Harvest
HW Allocation	12,856 m3	Quota Holder/LP	
SW Allocation	3,114 m3	SPL	
TEL-824	36.42 Hectares	3	2023 Contingency
HW Allocation	4,334 m3	Riehl/SPL/LP	
SW Allocation	3,278 m3	SPL	
TEL-825	62.56 Hectares	S	2023 Contingency
HW Allocation	7,445 m3	Riehl/SPL/LP	
SW Allocation	5,630 m3	SPL	
TEL-878	76.49 Hectares	3	2022 Contingency
HW Allocation	7,337 m3	Quota Holder/LP	
SW Allocation	11,850 m3	SPL	
TEL-882	19.18 Hectares	5	2023 Harvest
HW Allocation	2,004 m3	Quota Holder/LP	
SW Allocation	2,034 m3	SPL/Riehl	
TEL-883	70.70 Hectares	3	2023 Harvest
HW Allocation	8,233 m3	Quota Holder/LP	
SW Allocation	2,646 m3	SPL/Riehl	
TEL-885	30.16 Hectares	5	2023 Contingency
HW Allocation	3,589 m3	Riehl/SPL/LP	
HW Allocation SW Allocation	3,589 m3 2,714 m3	Riehl/SPL/LP SPL	
		SPL	2022 Harvest
SW Allocation	2,714 m3	SPL	
SW Allocation TEL-890	2,714 m3 19.69 Hectares	SPL	
SW Allocation TEL-890 HW Allocation	2,714 m3 19.69 Hectares 4,307 m3	SPL S Quota Holder/LP SPL	
SW Allocation TEL-890 HW Allocation SW Allocation	2,714 m3 19.69 Hectares 4,307 m3 435 m3	SPL S Quota Holder/LP SPL	2022 Harvest
SW Allocation TEL-890 HW Allocation SW Allocation TEL-892	2,714 m3 19.69 Hectares 4,307 m3 435 m3 29.64 Hectares	SPL Quota Holder/LP SPL	2022 Harvest
SW Allocation TEL-890 HW Allocation SW Allocation TEL-892 HW Allocation	2,714 m3 19.69 Hectares 4,307 m3 435 m3 29.64 Hectares 3,527 m3	SPL S Quota Holder/LP SPL S Riehl/SPL/LP SPL	2022 Harvest
SW Allocation TEL-890 HW Allocation SW Allocation TEL-892 HW Allocation SW Allocation	2,714 m3 19.69 Hectares 4,307 m3 435 m3 29.64 Hectares 3,527 m3 2,668 m3	SPL S Quota Holder/LP SPL S Riehl/SPL/LP SPL	2022 Harvest 2023 Contingency

FIVIL 3 2022 - 2024 OF	FML 3	2022 - 2024	OP
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Fax: 204-734-3646

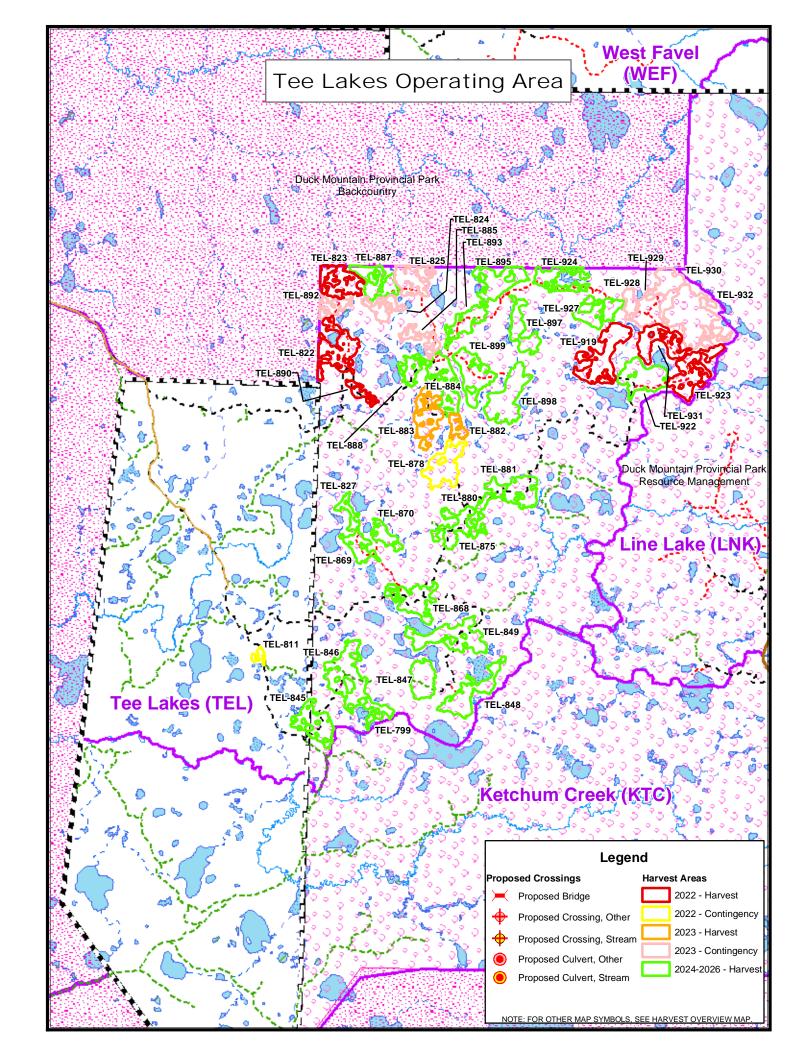
Integrated Operations by Operating Area

Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

FMU 13 Tee Lakes

TEL-923	83.06 Hectare	es	2022 Harvest
HW Allocation	3,330 m3	Quota Holder/LP	
SW Allocation	16,555 m3	SPL	
TEL-928	19.66 Hectare	es	2023 Contingency
HW Allocation	1,970 m3	SPL/Riehl/LP	
SW Allocation	1,512 m3	SPL	
TEL-929	47.67 Hectare	es	2023 Contingency
HW Allocation	4,770 m3	SPL/Riehl/LP	
SW Allocation	2,709 m3	SPL	
TEL-930	29.52 Hectare	es	2023 Contingency
HW Allocation	2,950 m3	SPL/Riehl/LP	
SW Allocation	2,367 m3	SPL	
TEL-931	69.04 Hectare	es	2022 Harvest
HW Allocation	3,102 m3	Quota Holder/LP	
SW Allocation	11,704 m3	SPL	
TEL-932	127.42 Hectar	res	2023 Contingency
HW Allocation	12,740 m3	SPL/Riehl/LP	
SW Allocation	10,908 m3	SPL	



Mitigation Comments

General

Operating Area/ Mitigation Year	Concern	Manitoba	Action/Response
Tee Lakes	Access Control	Where ATV access is to be left for renewal purposes, only one central access may be retained. No in block spur roads are to be left. A limited number of strategically distributed helicopter landing areas may be left on roads and landings. Access to be closed following completion of planting activities by no later than July 31, unless separate approval is applied for.	Agreed. Will determine on a site by site basis.

Site Specific

Block	Concern	Manitoba	Action/Response
TEL-811	Access Control	Block is small and on the main road. All in block roads to be closed post harvest. No access to be left open for planting.	•
TEL-822	Wildlife Ungulate	Ensure LOS maintained through the middle of the block. In particular along the section of road between plots 12 and 34.	Agreed.
	Harvest Sequence / Access Control	Can this block be harvested after TEL-823 and TEL-892? Alternatively, harvest east of the road, in this block, then harvest TEL-823 and TEL-892, and harvest the west side of 822 on the way out.	This block is planned for harvest after TEL-823 and 892. If not the harvest will be done on the east side of the road only until TEL-823 and 892 are harvested.
	Wildlife Furbearers	No WLDP?	Will add WLDP.
TEL-823	Harvest Sequence / Access Control	Can this block be harvested at the same time as TEL-892? That way this access can be closed in as short of a time as possible.	•
	Wildlife Furbearers	No WLDP?	Will add WLDP.

TEL-890	Terrestrial buffers - IRMT Discretion	There is a comment saying the block will be GPS'ed to ensure no encroachment into Back Country. The block does not appear to be on the boundary?	
	Forest Renewal	There is no mention of Understory Protection for BS in the Renewal Comments/Issues section. Shouldn't there be?	Will add comment.
		Wherever possible, leave WS seed trees in wind firm patches.	Agreed. Will add comment.
TEL-892	Harvest Sequence / Access Control	Can this block be surveyed and mitigated as soon as possible? Would like to see this block, TEL-822 and TEL-823 harvested in as short a time possible to enable swift access closure.	The plan is to survey this block as soon as possible and apply for work permit to harvest with blocks TEL-822 and 823.
TEL-931	Wildlife Furbearers	No WLDP?	Will add WLDP.
	Access Control	Limit access post harvest to two helipads, and one central access for ATV. See Operating Area General Comment about planting access.	Agreed.
TEL-821, 843, 844 863, 923.	I, No concerns	Already permitted.	
TEL-824, TEL-825 TEL-885, TEL-932	•	Will mitigate after survey.	
TEL-882, , 878883	No concerns	Blocks were mitigated less than five years ago.	

Roads Tee Lakes

Т	EL-1A t	o 1K (exis	ting)					d Develo	pment	
Road Development:				Comments This is part of the main access to the TEL blocks on the east central portion						
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use		fespan f Road (yrs)	operating	g area. ˙	They are	part of	the access to blocks TEL-878, 928 to 932.
18.9	20	8	Dry/Frozen	1	25					
Road De	eactivati	on:		ΣΩ	П (0			Š		
Road Clos Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
SPL/Reihl		Post-Ha Post-Rer					V			These roads will be open for a number of years. There is a gate near the start of the road. Closure of these roads will probably be in 10 to 15 years.
	TEL-1F	-3A (existi	ng)			Addition		d Develo	pment	
Road De	evelopn	<u>nent:</u>						ses block	TEL-8	78.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use		fespan f Road (yrs)					
1.6	15	6	Frozen		15					
Road De	eactivati	on:		ਹ ਨ	П (0			Š		
Road Clos Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
Riehl/SPL		Post-Ha Post-Rer			V					The first 50m of this road will be closed with slash and debris. ATV access is required for renewal and survey purposes.
	TEL-1K	-1A (existi	ng)			Addition Comme		d Develo	pment	
Road De	evelopn	nent:						ses block	TEL-9	19 which was partially harvested in 2021/22.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use		fespan f Road (yrs)					
0.7	15	6	Frozen		2					
Road De	eactivati	on:		Σ Ç	D . W		_	Si	_	
Road Clos Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
SPL		Post-Ha Post-Rer			Y					This road will be closed with slash and debris in block TEL-922. ATV access is required for renewal and survey purposes.

TEL-1L and 1M Additional Road Development Comments Road Development: These roads access blocks TEL-923, 929, 931 and 932 and are part of the access to blocks TEL-928 and 930. Road **ROW** Season of Lifespan Road Length Width **Surface** Use of Road (km) (m) Width (m) (yrs) 3.4 15 6 Frozen 5 Road Deactivation: Site Prep and **Additional Road Closure Road Closure** Comments Responsibility **Post-Harvest** Riehl/SPL These roads will be closed with slash and debris Post-Renewal at selected locations in blocks TEL-922, 923 and 931. Selected locations include landings and other areas where debris accumulates. ATV access is required for renewal activities. Additional Road Development TEL-1N Comments Road Development: This road accesses block TEL-928 and is part of the access to block TEL-930. **ROW** Road Road Season of Lifespan Length Width Surface Use of Road (km) (m) Width (m) (yrs) 0.7 15 6 Frozen Road Deactivation: Site Prep Slash and None **Additional Road Closure Road Closure** Comments Responsibility Post-Harvest Riehl/SPL This road will be closed with slash and debris in Post-Renewal block TEL-929. ATV access is requried for renewal activities. Additional Road Development TEL-1N-1A Comments Road Development: This road accesses block TEL-930. ROW Road Road Season of Lifespan Length Width **Surface** Use of Road (km) Width (m) (yrs) (m) 0.7 15 6 Frozen 1 Road Deactivation: Site Prep Slash and None **Additional Road Closure Road Closure** Comments Responsibility Post-Harvest SPL This road will be closed with slash and debris in ~ Post-Renewal block TEL-929. ATV access is required for renewal purposes. Additional Road Development **TEL-9A to 9F (existing) Road Development:** These roads are part of the access to the TEL blocks in the northeast portion of the TEL operating area. ROW Road Road Season of Lifespan Length Width Surface Use of Road Width (m) (km) (m) (yrs)

Dry/Frozen

50

8

5.4

20

Road De	activat	ion:		S Ç				S	_			
Road Clos Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments		
SPL/Riehl		Post-Ha Post-Rei					V			This is a long term access road required for future harvest. A gate will be placed at the start of the road.		
	TE	L-9F-1A				Addition Comme		d Develo	pment			
Road De	evelopr	nent:				This road accesses blocks TEL-822, 823 and 892.						
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use		ifespan of Road (yrs)							
2.3	20	8	Dry/Frozer	า	2							
Road De	activat	ion:		<u>د</u> م			_	Sit	-			
Road Clos Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments		
Riehl/SPL		Post-Ha Post-Rei			✓					This road will be closed with slash and debris at selected locations in these blocks after TEL-892 is harvested. Selected locations include landings and other areas where debris accumulates. ATV access is required for renewal activities.		
	TEL-9	G (existing	g)					d Develo	pment			
Road Development:					Comments This is part of the new dry/frozen access into the northeast portion of the TEL							
Road Length (km)	ROW Width (m)	W Road Season of Ith Surface Use			operating area. This road is part of the access to blocks TEL-824, 825, 882 885 and future TEL blocks.							
3.7	20	8	Dry/Frozer	า	15							
Road De Road Clos Responsi	sure	ion:		Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments		
Riehl/SPL	omty	Post-Ha Post-Rei							✓	This road is required for future harvest and will remain open. There is a gate just off the Sarah Lake road at the start of this access.		
	TE	L-9G-1A				Addition Comme		d Develo	pment			
Road De	evelopr	<u>nent:</u>						ses blocl	ks TEL-	882 and 883.		
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use		ifespan of Road (yrs)							
2.3	20	8	Dry/Frozer	า	1							

Road Deactivation:		Re Cro	ο σ	m	_	Site	7	
Road Closure Responsibility		ossing moval	lash and ebris	arth 3erm	Gate	e Prep	lone	Additional Road Closure Comments
Riehl/SPL	Post-Harvest Post-Renewal		V					These roads will be closed with slash and debris at selected locations in block TEL-883 and in the portion up to block TEL-883. Selected locations include landings and other areas where debris accumulates. ATV access is required for renewal activities.

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Cut Block Size: 8.1 ha **Cut Block Name: TEL-811** Twp & Rge: t32r27w **OPERATING AREA: Tee Lakes** Ownership: Open Crown Mapsheet: 340573 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Understory Stems/ha and Distribution TΑ 18.0 30 44% 41 333 ws BS ВF ВА 42 15 124 19.0 17% 200 Uniform 50 **WB** 0% 0 0 Clumped Total HW 61% 57 457 **Eco Land Classification Soils Summary** WS 21.5 31 36 294 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture Surface Texture JP 0% 0 0 V Type BF 0% 0 0 **Eco Site** Total SW 39% 36 294 **Block Total:** 751 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Quota Holder/LP HARDWOOD VOLUME (m3): 435 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 279 HARVEST/SILVICULTURE SYSTEM HARVEST SEASON **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ-15 Located on the N and NW sides. Variable MFZ to 15m buffer. Harvest as shown on map Roads MFZ Sarah Lake road located on the E side. Structure will be maintained. Harvest as shown on map. 15-30 Wetland Located on the S side. Variable 15 to 30m buffer. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 64 to 97 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:**

	RENEWAL P	PRESCRIP	TION INF	ORMATIC	N				
RENEWAL STRATEGY BY SPECIES	SI	TE PREPAR	RATIONS		SNO	ow c	ACHE:		
Species Natural Advanced Assisted	PREF.						L COVERTYPE: N		
TA X N	Я	DRAG MOUN			REI	NEW	AL ACCESS		
wb H	Н	TREN				П	ATV		
ws x x		WINTE	R RIPPER				HELICOPTER		
BS	x	AREA	PLANT			X	TRUCK		
JP									
BF L									
Siteprep Summary		Р	lanting Sur	nmary			Survey Sur	nmary	
Year Action Area (ha)	Alternate Year		Species	Density	Total		Туре	Series	Year
	2023	Sp	WS	1600	5760	L	Plantation Survival	First	2024
RENEWAL COMMENTS/ISSUES:						L	Regeneration	First	2033
	PRESCRIPTI	ON REVIE							
INTERNAL REVIEW			EX	TERNAL F	REVIEW				
X PLANNING			х	-	TED TO IRMT				
X WILDLIFE			х	ALL IRM	T CONCERNS	MITI	GATED		
IRMT Concerns and Comments:		Miticat	ion Strategy:						Mitigate
									コ
Small block on main road. All in block roads to be harvest. No planting access.	closed post	Agree	ed.						x
narrost. No planting docess.									

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 **Cut Block Name: TEL-822** Twp & Rge: t32r26w Cut Block Size: 85.7 ha **OPERATING AREA: Tee Lakes** Ownership: Open Crown Mapsheet: 350573 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION Species Avg Ht (m) Avg DBH (cm) m3/ha Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 65% 183 15,653 TA 93 26.2 38 ws BS ВF 37 BA 9 792 22 2 3% 162 Uniform 5 **WB** 16.3 24 8% 22 1,922 Clumped 43 Clumped Total HW 77% 214 18.367 **Eco Land Classification** Soils Summary 33 WS 103 19.9 20% 57 4.900 1st 2nd 3rd BS 32 3% 18.3 600 LFH(cm) S-Type Moisture **Surface Texture** .IP 0% n n 17 V Type nع 13 Silty Clay Loam 07 **S6** BF 19.0 30 0% 47 **Eco Site** 33 Total SW 23% 5,547 65 **Block Total:** 23,914 Cover Type: H IBWC Cnt: 4 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Quota Holder/LP HARDWOOD VOLUME (m3): 17,449 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 5,270 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT SHELTERWOOD** WHOLF TREE **UNDERSTOREY PROTECTION FROZEN SELECTION** PILE & BURN DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS Wetland MFZ-50 Stream/wetland complex located on the E side. Varilable MFZ-50m buffer. Harvest as shown on map. MFZ-15 Located on the S side. Variable MFZ to 15m buffer. Harvest as shown on map. Flood Lake 15-75 Lake/wetland complex located on the NW side. Variable 15 to 75m buffer. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 685 to 1,028 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Park boundary will be located with GPS to ensure no encroachment into Back Country zone. Block design follows natural boundaries where possible along park boundary. To benefit the regeneration of both planted softwood seedlings and natural regeneration of hardwoods by suckering, it is recommended that all hardwood trees be harvested (except in wildlife tree patches). Selective harvesting of only the softwood trees would leave behind significant amounts of hardwood canopy. Selective harvesting of only the hardwood trees for logs would leave behind significant amounts of debris and hardwood canopy. In mixed wood and softwood blocks the number of acceptable planting microsites would be reduced, and the hardwood canopy could reduce softwood seedling growth and hardwood regeneration. In hardwood blocks the residual hardwood canopy and debris could reduce hardwood regeneration and reduce potential for softwood renewal. Maintain a max of 18 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. This block is planned for harvest after TEL-823 and 892. If not the harvest will be done on the east side of the road only until TEL-823 and 892 are harvested. Ensure LOS maintained through the middle of the block. In particular along the section of road between plots 12 and 34. Keep equipment and debris out of backcountry zone located along the W side.

Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

	N	-NEWAL PRE	SCRIPTION INF	JAWATIO	IN				
RENEWAL STRATEGY BY	SPECIES	SITE	PREPARATIONS		SN	OW CA	сне:		
	Assisted	PREF. ALT					. COVERTY	- PE: H	
TA X BA X WB X X BS JP BF			DRAG MOUND TRENCH WINTER RIPPER AREA PLANT		RE	ENEWA	ATV HELICOP TRUCK		
Siteprep Sur	nmary		Planting Sur	nmary		1 [s	Survey Summary	
Year Action	Area (ha) Alternate	Year	Season Species	Density	Total	1	Тур	e Ser	ies Year
		1		_		1	Reforest	tation Fi	rst 2027
protected in patches. Area of BF understory >500 st concentrated clumps of BF be	ing maintained.					harveste	ed with		
	PR	RESCRIPTION	REVIEW AND N	ITIGATIO	N				
INTER	NAL REVIEW		EX	TERNAL R	EVIEW				
x w	LANNING /ILDLIFE ILVICULTURE		x x	4	ED TO IRMT				
IRMT Concerns and Comments:			Mitigation Strategy:						Mitigat
Can this block be harvested aftharvest E side of road first. Ensure LOS maintained throug between plots 12 and 34. No WLDP's.			This block is plan will be done on the harvested. Agreed. Will add to prescri	e east side o					[x
			l akes - TEL-822						

PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Cut Block Name: TEL-823

OPERATING AREA: Tee Lakes

Ownership: Open Crown

LICENCE: FML 3

Twp & Rge: t33r26w

Cut Block Size: 63.4 ha

Ownership: Open Crown

Mapsheet: 350574

Land Status: Resource MGMT

								, O O								· •
						PRE-H	ARVEST	SURVEY IN	FORMAT	ION						
Spec	cies	Avg Age (yr)	Avg Ht (m)	Avg DBH (cm)	Vol %	m3/ha	Vol (m3)			Under	story	Stems/ha	and Dist	ribution		
TA BA		74	26.7 23.1	38	57% 12%	151 32	9,546		ws			BS				BF
W		74	23.1 17.1	35 26	12%	31	2,018 1,969	75	Clumped		10	00 Clu	ımped		31	Clumped
Tota	al HW				80%	213	13,533	Fco.l	and Classif	fication	$\overline{}$		•			
W		94	19.8	34	17%	46	2,937				3rd		1	Soils Sui		
BS JP		124	15.3 28.0	27 36	2% 1%	4 1	257 85	V Type	08		01	LFH(cm	' ' '	+	-	urface Texture
BF					0%	0	0	Eco Site	33	00	01	07	S6	2	5	ilty Clay
	al SW				20%	52	3,279				_					
Blo	ck Tot	al:				265	16,812	Cover Type:	H IBW	C Cnt: 2						
					Н	ARVES	ST PRESC	CRIPTION II	NFORMA	TION						
	ı	HARDWOOD	ALLOCAT	ION: Quota Holde	er/LP						HAI	RDWOOD	VOLUM	E (m3): 12	2,856	
	;	SOFTWOOD	ALLOCATI	ON: SPL							SO	FTWOOD	VOLUME	E (m3): 3,	114	
	HAR	VEST SEAS	SON		_	HAI	RVEST/SIL	VICULTURE	SYSTEM					SLASH	ABA	TEMENT
	ALL SEASON X CLEARCUT SHELTERWOOD WHOLE TREE FROZEN SELECTION X UNDERSTOREY PROTECTION PILE & BURN															
	FROZEN X DRY/FROZEN SELECTION SEED TREE AVOIDANCE PILE & BURN WLF DEBRIS PILE															
	X DRY/FROZEN SEED TREE AVOIDANCE												X WI	F DEBR	S PII	.E
	SALVAGE SALVAGE X PATCH RETENTION DESIGNATED SKID TRAILS WE BESKICK HEE WHOLE TREE TOP AT STUMP															
DITE																
БОГ	FEATI		WIDTH (m)	DETAILS				<u> </u>						NOTE : IE	WC =	In Block Water Course
1	Stream	Т	MFZ-30	Located along the I	NE and E	sides. Vari	able MFZ to 3	30m buffer. Harve	est as shown	on map.						
2	Wetlan	d d	MFZ-30	Located on the S si	de. Variat	le MFZ to	30m buffer. H	larvest as showr	on map.							
3	Flood		MFZ-15	Located on the SW	side. Vari	able MFZ	to15m buffer.	Harvest as show	vn on map.							
4	Cabin		100	Trappers cabin loca	ated near	olot 11. Ha	rvest as show	vn on map.								
WII D		TDEE DETE	-NTION: A	o a car Otana da ad Oc		حناله ندر		ovimentaly 507	to 704 to a co							
		ROSION RI		s per Standard Op ITIAL:		Jululines	leave appro	oximately 507	io /61 irees	S.						
HAR\	/EST	COMMENT	S/ISSUES:													
		dary will be lo	ocated with	GPS to ensure no	o encroad	chment ir	nto Back Co	untry zone. Blo	ock design f	ollows n	atural	l boundari	es where	possible		
tree can and and	s be hopy. Softwo softwo hardw	arvested (exc selective harv ood blocks th	cept in wildli esting of on e number of	planted softwood fe tree patches). ily the hardwood if acceptable plant rdwood blocks the	Selective trees for ling micro	e harvest logs wou osites wo	ing of only to ld leave behold uld be reduce	ne softwood tre ind significant ced, and the ha	ees would le amounts of ardwood ca	eave bel f debris a nopy co	hind s and ha uld re	ignificant a ardwood c duce softw	amounts of anopy. In wood seed	of hardwo mixed wo Iling grow	od ood th	
Mai	ntain a	max of 12 W	/DP's appro	ximately 30-70 m	from blo	ck edge	and where p	ossible adjace	ent to softwo	ood stan	ds ou	tside of bl	ock.			
Mai	ntain s	tructure alon	g IBWC's lo	cated near plots 1	18 and 30).										

FML 3 2022 - Harvest

LDING SOLU	TIONS Fax	x: 204-73	4-3646														
				RE	=NIEV	NAI E	PRE	SCRIP	TION INF	ORMA'	TION	ı					
RENEV	VAL STRA	TEGY BY	SPECIES	K	-INI=V				RATIONS	ONWA			snow	CACH	IE:		
Species	Natural	Advanced	Assisted			PREF.	AL	T.				ı	RENEV	VAL C	OVERTYPE: I	Н	
TA	х							DRAG					RENE	WΔI	ACCESS		
BA	X		\square			Н	L	MOUN					Г	_			
WB WS	x	x	\vdash			H	H	TREN	JH ER RIPPER				⊢	-	ATV HELICOPTER		
BS	Н	Ĥ	\vdash			H	Н	4	PLANT				⊦	-	RUCK		
JP	x	П	Н			ш							L	_			
BF																	
	Sit	eprep Sun	nmary		1			F	lanting Su	nmary					Surve	y Summary	
Year	Ac	tion	Area (ha)	Alternate]	Year		Season	Species	Densi	ity	Total			Туре	Series	Year
															Reforestation	First	2027
RENEWAL	. COMMEN	ITS/ISSUE	ES:														
Area of	WS underst	orv >500 st	tems/ha and <	6m in height is	s locat	ted in th	ne N	W portion	of the bloc	k (plot 27	7) Clu	mps of u	ndersto	orv will	be protected i	 in	
patches		o., 555 c.		on in noight is				, portion	0. 0.0	(p.o	, J. G.G.			,	Do protoctou .		
	BS understo Il be left unh		ems/ha is loca	ted in the NW	portic	on of the	e blo	ock (plot 2	5). Merchar	table tre	es wil	l be harve	ested a	and un	merchantable		
			ems/ha and <6	in height is	locate	ed in the	e NV	N portion	of the block	(Plot 25)	i). This	s area will	l be ha	rveste	d with		
concent	rated clump	s of BF bei	ng maintained														
				PR	ESC	RIPTI	ON	I REVIE	W AND I	IITIGA	TION						
		INTER	NAL REVIEW	<u> </u>					E	TERNA	AL RE	VIEW					
		X Pl	_ANNING						Γx	T SUBA	MITTE	D TO IRI	MT on	9/24/2	1		
		_	ILDLIFE						X X			CONCER					
			LVICULTURE							_							
IRMT Concer	ns and Comn	nents:						Mitigat	ion Strategy	1							Mitigate
Can this	block be har	vested at t	he same time	as TEL-892?											L-892 needs t	o be	x
No WLDI	5								yed this suidd WLDP.	mmer and	d will	be permit	ted as	soon a	as surveyed.		
INO WEDI	•							VVIII	du WEDF.								х

Tee Lakes - TEL-823

PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: TEL-824 Twp & Rge: t33r26w Cut Block Size: 36.4 ha **OPERATING AREA: Tee Lakes** Ownership: Open Crown Mapsheet: 350574 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 0 0 TA 0% ws BS BF BA 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0 0% 0 1st 2nd 3rd BS 0% O LFH(cm) S-Type 0 Moisture Surface Texture .IP 0% n n V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Riehl/SPL/LP HARDWOOD VOLUME (m3): 4,334 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 3,278 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **UNDERSTOREY PROTECTION FROZEN SELECTION** PILE & BURN DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS Wetland MFZ Wetland/flood located on the SW side. Structure will be maintained. Harvest as shown on map Lake 15-50 Located on the NE side. Variable 15 to 50m buffer. Harvest as shown on map. Wetland 15-50 Located on the SE side. Large riparian area. Variable 15 to 50m buffer. Harvest as shown on map. Stream Located on the NW side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 291 to 437 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** To benefit the regeneration of both planted softwood seedlings and natural regeneration of hardwoods by suckering, it is recommended that all hardwood trees be harvested (except in wildlife tree patches). Selective harvesting of only the softwood trees would leave behind significant amounts of hardwood canopy. Selective harvesting of only the hardwood trees for logs would leave behind significant amounts of debris and hardwood canopy. In mixed wood and softwood blocks the number of acceptable planting microsites would be reduced, and the hardwood canopy could reduce softwood seedling growth and hardwood regeneration. In hardwood blocks the residual hardwood canopy and debris could reduce hardwood regeneration and reduce potential for softwood renewal. This block has not been surveyed. The volume information is based on surveyed blocks in the area.



			REN	IEWAL PR	ESCRIP1	TION INFO	ORMATIO	N				
	L STRATEGY BY			SITE PREF. A	E PREPAR	ATIONS			IOW CA	ACHE:		
TA BA WB WS BS JP BF				x	DRAG MOUN TRENG	CH R RIPPER		RE	ENEWA	AL ACCESS ATV HELICOPTER TRUCK		
	Siteprep Sum	nmarv				lanting Sun	nmarv		1 [Survey Sun	mary	$\overline{}$
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	┪┢	Туре	Series	Year
1 1	7.00.011	7	7	1001	Coucon	Орослос	Donony	10.0.	┪┢	Plantation Survival	First	2025
						1			' -	Regeneration	First	2034
RENEWAL C	OMMENTS/ISSUE	ES:										
	INTERN	NAL REVIEW		SCRIPTIO	N REVIE		I TIGATIO TERNAL R					
	x w	ANNING ILDLIFE LVICULTURE					4	TED TO IRMT		GATED		
IRMT Concerns	and Comments:				Mitigati	ion Strategy:						Mitigate

PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: TEL-825 Twp & Rge: t33r26w Cut Block Size: 62.6 ha **OPERATING AREA: Tee Lakes** Ownership: Open Crown Mapsheet: 350574 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 0 0 TA 0% ws BS BF BA 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** 0 WS 0% 0 1st 2nd 3rd BS 0% O LFH(cm) S-Type 0 Moisture Surface Texture .IP 0% n n V Type BF 0% 0 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Riehl/SPL/LP HARDWOOD VOLUME (m3): 7,445 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 5,630 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT SHELTERWOOD** WHOLE TREE **UNDERSTOREY PROTECTION FROZEN SELECTION** PILE & BURN DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS Wetland MFZ Located on the NW corner. Structure will be maintained. Harvest as shown on map. 50-100 Lake Located on the E side. Variable 50 to 100m buffer. Harvest as shown on map. Lake 50 Located on the SW side. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 500 to 751 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Park boundary will be located with GPS to ensure no encroachment into Back Country zone. Block design follows natural boundaries where possible along park boundary. To benefit the regeneration of both planted softwood seedlings and natural regeneration of hardwoods by suckering, it is recommended that all hardwood trees be harvested (except in wildlife tree patches). Selective harvesting of only the softwood trees would leave behind significant amounts of hardwood canopy. Selective harvesting of only the hardwood trees for logs would leave behind significant amounts of debris and hardwood canopy. In mixed wood and softwood blocks the number of acceptable planting microsites would be reduced, and the hardwood canopy could reduce softwood seedling growth and hardwood regeneration. In hardwood blocks the residual hardwood canopy and debris could reduce hardwood regeneration and reduce potential for softwood renewal. This block has not been surveyed. The volume information is based on surveyed blocks in the area.



			REN	IEWAL PR	ESCRIP1	TION INFO	ORMATIO	N				
	L STRATEGY BY			SITE PREF. A	E PREPAR	ATIONS			IOW CA	ACHE:		
TA BA WB WS BS JP BF				x	DRAG MOUN TRENG	CH R RIPPER		RE	ENEWA	AL ACCESS ATV HELICOPTER TRUCK		
	Siteprep Sum	nmarv				lanting Sun	nmarv		1 [Survey Sun	mary	$\overline{}$
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	┪┢	Туре	Series	Year
1 1	7.00.011	7	7	1001	Coucon	Орослос	Donony	10.0.	┪┢	Plantation Survival	First	2025
						1			' -	Regeneration	First	2034
RENEWAL C	OMMENTS/ISSUE	ES:										
	INTERN	NAL REVIEW		SCRIPTIO	N REVIE		I TIGATIO TERNAL R					
	x w	ANNING ILDLIFE LVICULTURE					4	TED TO IRMT		GATED		
IRMT Concerns	and Comments:				Mitigati	ion Strategy:						Mitigate

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Fax: 204-734-3646 **Cut Block Name: TEL-878** Twp & Rge: t32r26w Cut Block Size: 76.5 ha **OPERATING AREA: Tee Lakes** Ownership: Open Crown Mapsheet: 350573 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 34% 90 6,879 TA 24.8 33 ws BS BF 87 38 BA 20.0 11 844 4% 311 Uniform 306 **WB** 0% 0 0 Clumped Total HW 38% 101 7,723 **Eco Land Classification Soils Summary** WS 24 1,027 15.0 5% 13 1st 2nd 3rd BS 93 19.0 21 46% 122 9 332 LFH(cm) S-Type Moisture **Surface Texture** .IP 22.0 33 10% 28 2,114 17 V Type nع 13 08 Silty Clay **S6** BF 0% 0 0 **Eco Site** 51 Total SW 62% 12,473 163 **Block Total:** 264 20,196 Cover Type: M IBWC Cnt: 1 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Quota Holder/LP HARDWOOD VOLUME (m3): 7,337 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 11,850 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT SHELTERWOOD** WHOLE TREE **UNDERSTOREY PROTECTION FROZEN SELECTION** PILE & BURN DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION **SALVAGE** WHOLE TREE TOP AT STUMP **DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS Stream 15-100 Located on the W side. Variable 15 to 100m buffer. Large riparian area along creek. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 612 to 918 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** This block is classed as an M stand (mixed wood) in the Duck Mountain Park therefore LP will declare any hardwood not delcared by the quota holder. To benefit the regeneration of both planted softwood seedlings and natural regeneration of hardwoods by suckering, it is recommended that all hardwood trees be harvested (except in wildlife tree patches). Selective harvesting of only the softwood trees would leave behind significant amounts of hardwood canopy. Selective harvesting of only the hardwood trees for logs would leave behind significant amounts of debris and hardwood canopy. In mixed wood and softwood blocks the number of acceptable planting microsites would be reduced, and the hardwood canopy could reduce softwood seedling growth and hardwood regeneration. In hardwood blocks the residual hardwood canopy and debris could reduce hardwood regeneration and reduce potential for softwood renewal. Small patches of blow down throughout the block. Merchantable trees will be salvaged where feasible. Maintain structure along IBWC located near plot 22.

	RE	NEWAL PRESCR	IPTION INF	ORMATIO	N			
RENEWAL STRATEGY E	BY SPECIES	SITE PREP	ARATIONS		SNOW	/ CACHE:		
Species Natural Advance	ed Assisted	PREF. ALT.			RENE	WAL COVERTYPE: M		
TA X BA X WB		\vdash	AG UND ENCH			EWAL ACCESS X ATV		
ws x	x	\vdash	ITER RIPPER			x HELICOPTER		
BS	X	X ARI	EA PLANT			TRUCK		
JP X D	H							
	Ш							
Siteprep S	ummary		Planting Sur	nmary		Survey Sun	ımary	
Year Action	Area (ha) Alternate	Year Seas	on Species	Density	Total	Туре	Series	Year
		2023 Sp	BS	1800	94680	Plantation Survival	First	2024
RENEWAL COMMENTS/ISS		2023 Sp	WS	1800	10800	Regeneration	First	2033
	0 stems/ha are located in the S peleft unharvested in patches.	portion of the block (pl	ots 5, 15 and 2	1). Merchant	able trees will be	e harvested and		
INTE	PRE	ESCRIPTION REV		IITIGATIO				
			_	7				
X	PLANNING WILDLIFE		X	4	ED TO IRMT on			
X	SILVICULTURE		<u> x</u>	J ALL IRMI	CONCERNS M	IIIIGATED		
IRMT Concerns and Comments:		Miti	gation Strategy:					Mitigated
	S through 876 or N. Prefer S on	existing W		m south on e	existing access.	Road will not go to block		X

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Fax: 204-734-3646 Cut Block Name: TEL-882 Twp & Rge: t32r26w Cut Block Size: 19.2 ha **OPERATING AREA: Tee Lakes** Ownership: Open Crown Mapsheet: 350573 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Ht (m) Vol % Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 24.8 37 27% 60 1,142 TA 85 ws BS BF 27 50 BA 18.2 23% 968 1325 Uniform **WB** 0% 0 0 Total HW 50% 110 2,110 **Eco Land Classification Soils Summary** 1,670 WS 19.5 30 39% 87 1st 2nd 3rd BS LFH(cm) 0% 0 S-Type Moisture Surface Texture 0 JP 19.0 30 11% 25 471 V Type 13 09 Silt Loam 19 **S6** BF 0% 0 0 **Eco Site** 23 52 12 S10 Silt Total SW 50% 2,141 112 **Block Total:** 222 4,251 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Quota Holder/LP HARDWOOD VOLUME (m3): 2,004 SOFTWOOD ALLOCATION: SPL/Riehl SOFTWOOD VOLUME (m3): 2,034 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland Located on the E side. Harvest as shown on map Wetland 15-100 Located on the W side. Variable 15 to 100+m buffer. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 153 to 230 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Maintain a maximum of 3 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible Areas of blowdown throughout the block. Merchantable trees will be salvaged if feasible.

FML 3 2023 - Harvest

ILDIN	IG SOLUTI	ions Fa	ax: 204-734	1-3046												
					RE	NE	WAL PR	ESCRIPT	ION INFO	DRMATIO	N					
F	RENEWA	AL STRA	ATEGY BY	SPECIES			SITE	PREPAR	ATIONS		SI	NOW CA	ACHE:			
s	pecies	Natural	Advanced	Assisted			PREF. A	LT.			R	ENEWA	L COVERTYPE: M			
	TA	x					ПГ	DRAG								
	ВА	x	П	H			ΗГ	MOUNI	D		R	ENEW	AL ACCESS			
	WB		П	П				TRENC	Н			х	ATV			
	ws		х	х				WINTE	R RIPPER			х	HELICOPTER			
	BS						X L	AREA	PLANT				TRUCK			
	JP	X	H	Н												
	BF	Ш		Ш												
		Si	iteprep Sum	mary		1		PI	lanting Sun	nmary		7 Г	Survey Sun	nmary		٦
_	Year	A	ction	Area (ha)	Alternate	1	Year	Season	Species	Density	Total	1	Туре	Series	Year	r
							2024	Sp	WS	1600	14040	J [Plantation Survival	First	2025	;
						•		•	•	•		_ [Regeneration	First	2033	,
KEN	EWAL (COMME	NTS/ISSUE	:5:												_
						ESC	CRIPTIO	N REVIE		ITIGATIOI						
			INTERN	IAL REVIEW	I				EX	TERNAL RI	-VIEW					
			-	ANNING					х	SUBMITT	ED TO IRM	T on 10/	/18/19			
			_	LDLIFE					х	ALL IRMT	CONCERN	IS MITIO	GATED			
			ш	_VICULTURE												
IRM	Concerns	s and Com	ments:					Mitigati	on Strategy:						Mitiga	ate
		•		require no roa	ds within 100n	n of							ners. No requirement for	٢	lГ	Х
		corners		S may need 1	100m break be	twoo	n			k boundaries			oads. ners. No requirement fo		۱.	
		and 878.		S may need 1	iooni break be	iwee	11			k boundaries					L	X
С	onfirm W	'S underst	tory #'s.					Functi	ion of PHS				g. Not indicative of the			Х
l _R	lock shou	ıld he sho	wn as M not	ł N					block.	intion chanc	ed renewal	cover to	ype to M. Will let MFSR	C	۱.	
	JOOK SHOU	ara be allu	ao ivi not					know.	on preson	ipuori, orialiy	ou renewal	SOVER I	ypo to ivi. Will let ivii OIV	J		X

Tee Lakes - TEL-882

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Fax: 204-734-3646 **Cut Block Name: TEL-883** Twp & Rge: t32r26w Cut Block Size: 70.7 ha **OPERATING AREA: Tee Lakes** Ownership: Open Crown Mapsheet: 350573 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution 23.5 35 64% 103 7,290 TA ws BS BF 31 1,060 BA 15 17.8 9% 44 **WB** 16.0 17 3% 4 316 Clumped Total HW 76% 123 8,666 **Eco Land Classification Soils Summary** WS 17.8 27 919 95 8% 13 1st 2nd 3rd BS 52 25 5% 575 LFH(cm) 17 1 8 S-Type Moisture Surface Texture JP 81 21.4 31 11% 18 1,291 05 13 V Type 08 09 Loam **S5** BF 0% 0 0 **Eco Site** 32 Total SW 24% 39 2,785 **Block Total:** 162 11,451 Cover Type: H IBWC Cnt: 1 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Quota Holder/LP HARDWOOD VOLUME (m3): 8,233 SOFTWOOD ALLOCATION: SPL/Riehl SOFTWOOD VOLUME (m3): 2,646 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland 30-100 Located on the W side. Variable 30 to 100m buffer. Harvest as shown on map. Wetland 15-100 Located on the SE side. Variable 15 to 100m buffer. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 566 to 848 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Areas of blowdown and/or dead trees located in the S, NE and N portions on the block. Merchantable trees will be salvaged if feasible. Maintain a maximum of 14 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible. Maintain structure along IBWC located near plot 27.

FML 3 2023 - Harvest

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RENEW	AL STR	ATEGY BY	SPECIES			SIT	TE F	PREPAR	ATIONS			SNOW C	ACHE:			
Species	Natural	Advanced	Assisted		PI	REF.	ALT.					RENEWA	AL COVER	TYPE: H		
TA BA WB WS	x x x	x						DRAG MOUNI TRENC WINTE AREA I	:H R RIPPER			RENEW	4	OPTER		
BS JP BF	х				L			AREA	FLAINT				TRUC			
	s	iteprep Sum	nmary] [P	anting Sur	nmary				Survey St	ımmary	
Year		Action	Area (ha)	Alternate	l L	Year		Season	Species	Density	Total	⊥		Туре	Series	Year
					J L								Refo	restation	First	2028
				PR	ESCF	RIPTIO	ON	REVIE	N AND N	IITIGATIO	N					
		INTERN	NAL REVIEW	1					EX	TERNAL R	EVIEW					
		-	ANNING						х	SUBMITT	TED TO IF	RMT on 10)/18/19			
		-	ILDLIFE						x	ALL IRM	CONCE	RNS MITI	IGATED			
IDMT O		ш	LVICULTURE						a							14141 4 -
WS seed	olanting NI trees.	E part of bloo	ck to maintain		ve som	ae		Agree may b	e overflow e need for p	timing will do	epend on May be er	surroundinough stoo	ng harvest	t blocks, this USP efforts	area to	X X
								akes - TEL -								

PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: TEL-885 Twp & Rge: t32r26w Cut Block Size: 30.2 ha **OPERATING AREA: Tee Lakes** Ownership: Open Crown Mapsheet: 350573 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 0 0 TA 0% ws BS BF BA 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0 0% 0 1st 2nd 3rd BS 0% LFH(cm) S-Type 0 0 Moisture Surface Texture .IP 0% n n V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Riehl/SPL/LP HARDWOOD VOLUME (m3): 3,589 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 2,714 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **UNDERSTOREY PROTECTION FROZEN SELECTION** PILE & BURN DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS 30-50 Located on the E side. Variable 30 to 50m buffer. Harvest as shown on map. Stream Wetland 30 Located on the W side. Harvest as shown on map. 15-50 Lake Located on the S side. Variable 15 to 50m buffer. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 241 to 362 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** To benefit the regeneration of both planted softwood seedlings and natural regeneration of hardwoods by suckering, it is recommended that all hardwood trees be harvested (except in wildlife tree patches). Selective harvesting of only the softwood trees would leave behind significant amounts of hardwood canopy. Selective harvesting of only the hardwood trees for logs would leave behind significant amounts of debris and hardwood canopy. In mixed wood and softwood blocks the number of acceptable planting microsites would be reduced, and the hardwood canopy could reduce softwood seedling growth and hardwood regeneration. In hardwood blocks the residual hardwood canopy and debris could reduce hardwood regeneration and reduce potential for softwood renewal. This block has not been surveyed. The volume information is based on surveyed blocks in the area.



	RENE	WAL P	RESCRIP	TION INF	ORMATIC	DN				
RENEWAL STRATEGY BY SPECIES		SIT	E PREPAR	RATIONS		S	NOW C	ACHE:		
Species Natural Advanced Assisted		PREF.	ALT.			R	ENEWA	AL COVERTYPE:		
та 🔲 🦳			DRAG			_				
ва 🔲 🔲			MOUN	D		R	ENEW	AL ACCESS		
wв 🔲 🔲			TREN	CH				ATV		
ws		\sqcup		R RIPPER				HELICOPTER		
BS		LX [AREA	PLANT				TRUCK		
JP										
Siteprep Summary			Р	lanting Sur	nmary	_] [Survey Sur	nmary	
Year Action Area (ha)	Alternate	Year	Season	Species	Density	Total	╛┟	Туре	Series	Year
							┙┟	Plantation Survival	First	2025
RENEWAL COMMENTS/ISSUES:							L	Regeneration	First	2034
TENEVAL COMMENTO/1000E0.										
	DDES	CBIDTIC	ON REVIE	M AND M	NTICATIO	NA .				
		CKIPTIC	JN KEVIE							
INTERNAL REVIE	W			EX	TERNAL F	REVIEW				
x PLANNING					SUBMIT	TED TO IRM	IT on			
x WILDLIFE					ALL IRM	T CONCERN	NS MITI	GATED		
SILVICULTUR	E			_	-					
IRMT Concerns and Comments:			Mitigat	ion Strategy:						Mitigate
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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 Cut Block Name: TEL-890 Twp & Rge: t32r26w Cut Block Size: 19.7 ha **OPERATING AREA: Tee Lakes** Ownership: Open Crown Mapsheet: 350573 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION Species Avg Ht (m) Avg DBH (cm) Vol % m3/ha Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 42 70% 189 3,717 TA 97 26.2 ws BS BF 36 BA 22 5 19% 51 1.007 80 220 **WB** 16.8 19 2% 4 80 Clumped Clumped Total HW 90% 244 4,804 **Eco Land Classification Soils Summary** WS 40 453 19.4 23 1st 2nd 3rd BS 18.5 26 1% LFH(cm) 3 63 S-Type Moisture Surface Texture .IP 0% n 0 V Type nع 05 Silty Clay Loam 07 **S6** BF 0% 0 0 **Eco Site** 31 Total SW 10% 516 26 **Block Total:** 270 5,320 Cover Type: H IBWC Cnt: 2 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Quota Holder/LP HARDWOOD VOLUME (m3): 4,307 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 435 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION FROZEN** PILE & BURN DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS MFZ-30 Located on W side. Variable MFZ to 30m buffer. Harvest as shown on map Wetland Wetland MFZ-100 Stream/wetland complex located on S side. Variable MFZ to 100 m buffer. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 158 to 236 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** To benefit the regeneration of both planted softwood seedlings and natural regeneration of hardwoods by suckering, it is recommended that all hardwood trees be harvested (except in wildlife tree patches). Selective harvesting of only the softwood trees would leave behind significant amounts of hardwood canopy. Selective harvesting of only the hardwood trees for logs would leave behind significant amounts of debris and hardwood canopy. In mixed wood and softwood blocks the number of acceptable planting microsites would be reduced, and the hardwood canopy could reduce softwood seedling growth and hardwood regeneration. In hardwood blocks the residual hardwood canopy and debris could reduce hardwood regeneration and reduce potential for softwood renewal. Maintain structure along IBWC located between plots 8 & 9. Wherever possible, leave WS seed trees in wind firm patches.

FML 3 2022 - Harvest

				RE	NΕ	WAL PR	ESCRIP'	TION INF	ORMATIO	N				
RENEW	VAL STRA	TEGY BY	SPECIES			SITI	E PREPAR	RATIONS			SNOW			
Species	Natural	Advanced	Assisted			PREF. A	LT.				RENEW	AL COVERTYPE: H		
TA	х	Ш				$\sqcup \sqcup$	DRAG				RENEV	VAL ACCESS		
BA	х	Ш	Ш			$\sqcup \sqcup$	MOUN				KENEV	_		
WB	x	Ш	Ш			$H \vdash$	TREN				L	ATV		
ws	Ш	X	Ш			$H \vdash$	-	R RIPPER			L	HELICOPTER		
BS	Н	Н	Н			ШЬ	AREA	PLANT				TRUCK		
JP	Н	Н	Н											
BF		Ш	Ш											
	Sit	eprep Sum	nmary				P	lanting Sur				Survey Sur	mmary	
Year	Ac	tion	Area (ha)	Alternate		Year	Season	Species	Density	Total	_	Туре	Series	Year
												Reforestation	First	2027
	BS understo	INTERN X PL X WI	NAL REVIEW ANNING	PR V				W AND M	IITIGATIO	N EVIEW	MT on 9			
			LVICULTURE					_	-					
IRMT Concer	rns and Comn	nents:					Mitigat	ion Strategy:						Mitigate
		derstory pro	otection in ren	newal comment	S.		Will a	dd commen	nt about BS u	nderstory	protection	on.		х
Should be Commen		ering back	country. Bloc	k does not bord	der ba	ack	Will r	emove com	ment.					x
country.						•								
Wheneve	er possible le	eave WS se	eed trees in w	ind firm patche	S.		Agree	ed. Will add	comment.					х

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Fax: 204-734-3646 Cut Block Name: TEL-892 Twp & Rge: t33r26w Cut Block Size: 29.6 ha **OPERATING AREA: Tee Lakes** Ownership: Open Crown Mapsheet: 350574 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 0 TA 0% 0 ws BS BF BA 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** 0 WS 0% 0 2nd 3rd BS 0% LFH(cm) S-Type 0 0 Moisture Surface Texture .IP 0% n n V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Riehl/SPL/LP HARDWOOD VOLUME (m3): 3,527 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 2,668 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **UNDERSTOREY PROTECTION FROZEN SELECTION** PILE & BURN DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS MFZ-15 Wetland Located on the N side. Variable MFZ to 15m buffer. Harvest as shown on map. Wetland MFZ Located on the SW tip. Structure will be maintained. Harvest as shown on map. Wetland 15-30 Located on the E side. Variable 15 to 30m buffer. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 237 to 356 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block borders the backcountry zone. The east and south boundary will be flagged using GPS to ensure no encroachment into the park. Boundary has been designed to follow natural features where possible. To benefit the regeneration of both planted softwood seedlings and natural regeneration of hardwoods by suckering, it is recommended that all hardwood trees be harvested (except in wildlife tree patches). Selective harvesting of only the softwood trees would leave behind significant amounts of hardwood canopy. Selective harvesting of only the hardwood trees for logs would leave behind significant amounts of debris and hardwood canopy. In mixed wood and softwood blocks the number of acceptable planting microsites would be reduced, and the hardwood canopy could reduce softwood seedling growth and hardwood regeneration. In hardwood blocks the residual hardwood canopy and debris could reduce hardwood regeneration and reduce potential for softwood renewal. This block has not been surveyed. The volume information is based on surveyed blocks in the area.



			REN	IEWAL PR	ESCRIP1	TION INFO	ORMATIO	N				
	L STRATEGY BY			SITE PREF. A	E PREPAR	ATIONS			IOW CA	ACHE:		
TA BA WB WS BS JP BF				x	DRAG MOUN TRENG	CH R RIPPER		RE	ENEWA	AL ACCESS ATV HELICOPTER TRUCK		
	Siteprep Sum	nmarv				lanting Sun	nmarv		1 [Survey Sun	mary	$\overline{}$
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	┪┢	Туре	Series	Year
1 1	7.00.011	7	7	1001	- Coucon	Орослос	Donony	10.0.	┪┢	Plantation Survival	First	2025
						1			' -	Regeneration	First	2034
RENEWAL C	OMMENTS/ISSUE	ES:										
	INTERN	NAL REVIEW		SCRIPTIO	N REVIE		I TIGATIO TERNAL R					
	x w	ANNING ILDLIFE LVICULTURE					4	TED TO IRMT		GATED		
IRMT Concerns	and Comments:				Mitigati	ion Strategy:						Mitigate

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 **Cut Block Name: TEL-919** Twp & Rge: t32r26w Cut Block Size: 106.2 ha **OPERATING AREA: Tee Lakes** Ownership: Open Crown Mapsheet: 350573 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION Species Avg Ht (m) Avg DBH (cm) Vol % m3/ha Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 22.3 36 30% 74 7,892 TA 100 ws BS BF BA 0% 0 0 42 604 Uniform **WB** 0% 0 0 Clumped Total HW 30% 74 7,892 **Eco Land Classification Soils Summary** WS 27 1.475 18.5 6% 14 1st 2nd 3rd BS 110 16.2 20 64% 159 16 905 LFH(cm) S-Type Moisture Surface Texture .IP 18.8 34 0% 105 08 V Type 30 09 06 **S5** Loam BF 0% 0 0 **Eco Site** 33 Total SW 70% 174 18,485 **Block Total:** 248 26,377 Cover Type: M IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Riehl/SPL/LP HARDWOOD VOLUME (m3): 5,694 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 13,389 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT SHELTERWOOD** WHO! F TREE **UNDERSTOREY PROTECTION FROZEN SELECTION** PILE & BURN DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS 30-75 Wetland Wetland/stream complex located on the S and SW sides. Variable 30 to 75m buffer. Harvest as shown on map 30-100 Located on the E, N and NE sides. Variable 30 to 100+m buffer. Harvest as shown on map. Stream WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 850 to 1,275 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** To benefit the regeneration of both planted softwood seedlings and natural regeneration of hardwoods by suckering, it is recommended that all hardwood trees (except wildlife tree patches of course) be harvested. Selective harvesting of only the softwood trees would leave behind significant amounts of hardwood canopy. The number of acceptable planting microsites would be very low, and the hardwood canopy could reduce the softwood seedlings growth. Therefore, harvesting of both the softwood and hardwood trees will assist in maintaining the softwood portion of hardwood-spruce mixedwoods. Approximately 25 ha's this block was harvested in 2021/22. The volumes shown indicate this. Areas of blow down in the block. Merchantable trees will be salvaged if possible. Maintain a max of 20 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block.

FML 3 2022 - Harvest

				RE	NEWAL PR	ESCRIP [*]	TION INF	ORMATIO	N				
RENEWAL STRATEGY BY SPECIES SITE PREPARATIONS						SNC	OW CA	ACHE:					
Species	Natural	Advanced	Assisted		PREF. A	LT.			REN	IEWA	L COVERTYPE: M		
TA	x					DRAG			DE1				
BA						MOUN	D		REI	NEW/	AL ACCESS		
WB						TREN	CH			х	ATV		
ws		x	х		\sqcup	-	R RIPPER			x	HELICOPTER		
BS	Ш	Н	X		X	AREA	PLANT			Ш	TRUCK		
JP	X	Н	H										
BF	Ш	Ш	Ш										
	Sit	eprep Sum	mary			Р	lanting Sur	nmary			Survey Sur	nmary	
Year	Ac	tion	Area (ha)	Alternate	Year	Season	Species	Density	Total	L	Туре	Series	Year
					2022	Sp	BS	1800	109800	L	Plantation Survival	First	2023
RENEWAL	. COMMEN	TS/ISSLIE	:s·		2022	Sp	WS	1800	10080	L	Regeneration	First	2032
						1-1-5-15	17 04 00 0	20.00.11.11	10 150	Mar. 2	autable to a		
				ocated through left unharveste		iots 5, 15, 1	17, 21, 29, 3	33, 39, 41, 48	o, 49 and 51). I	werch	antable trees will be		
				of debris for the									
Liliouro		una louvo l	idiidii igo ii oo	or dobito for an	o noncoptor.								
				PR	ESCRIPTIO	N REVIE	W AND N	IITIGATIO	N				
		INTERN	NAL REVIEV					TERNAL R					
				-				-					
		<u> </u>	ANNING				x	-	ED TO IRMT				
			ILDLIFE				х	ALL IRM	CONCERNS	MITIC	GATED		
			LVICULTURE										
IRMT Concer	ns and Comn	nents:				Mitigat	ion Strategy:						Mitigated
Shouldn't	t Advanced E	BS Renewa	al be checked	?		This i	s a compute	er generated	response that	canno	ot be edited.		x
													1
1						I							- 1

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Cut Block Name: TEL-923 Twp & Rge: t32r25w Cut Block Size: 83.1 ha **OPERATING AREA: Tee Lakes** Ownership: Open Crown Mapsheet: 360573 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Ht (m) Vol % m3/ha Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 24.2 37 14% 35 2,902 TA ws BS BF ВА 31 5 435 19 1 2% 1180 Uniform **WB** 14.8 19 1% 168 20 Clumped Total HW 17% 42 3,505 **Eco Land Classification Soils Summary** WS 20.4 34 1,420 1st 2nd 3rd BS 107 16.3 19 43% 9.089 LFH(cm) 109 S-Type Moisture Surface Texture JP 104 21.9 31 33% 83 6,917 15 V Type 28 16 04 S10 Loam BF 0% 0 **Eco Site** 35 Total SW 83% 17,426 210 **Block Total:** 252 20,931 Cover Type: S IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Quota Holder/LP HARDWOOD VOLUME (m3): 3,330 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 16,555 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Located on the E side. Harvest as shown on map Lake 15-30 Stream Line Creek located on the S side. Variable 15 to 30m buffer. Harvest as shown on map. 15-100 Stream Doe Lake Creek located on the N side. Variable 15 to 100m buffer. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 664 to 997 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Maintain a max of 16 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block

FML 3 2022 - Harvest

Fax: 204-734-3646											
	RENE	WAL PRI	ESCRIP <u>T</u>	ION INFO	ORMATIO	N_					
RENEWAL STRATEGY BY SPECII			SITE PREPARATIONS				SNOW CACHE:				
Species Natural Advanced Assiste TA	a	X	DRAG MOUNI TRENC	H R RIPPER			EWAL COVERTYPE: S EWAL ACCESS X ATV HELICOPTER TRUCK				
Sitonron Summon	1		DI	antina Cum			Survey Su	mmary			
Siteprep Summary Year Action Area	(ha) Alternate	Year	Season	anting Sun Species	Density	Total	Type	Series	Year		
Tear Action Area	(na) Alternate	2023	Sp	BS	2000	117000	Plantation Survival	First	2024		
							Regeneration	First	2033		
INTERNAL RE		CRIPTION	N REVIEV		ITIGATIO TERNAL R						
X PLANNING X WILDLIFE X SILVICULT	3		Mitigatic		SUBMITT	ED TO IRMT o			Mitigated		
IRMT version of op areas shows this blo current op area shapefile. Shouldn't Advanced BS Renewal be che			This b	lock has alv	apefile.		ating area. Will send a new cannot be edited.		X		

Tee Lakes - TEL-923

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: TEL-928 Twp & Rge: t33r26w Cut Block Size: 19.7 ha **OPERATING AREA: Tee Lakes** Ownership: Open Crown Mapsheet: 360574 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: SPL/Riehl/LP HARDWOOD VOLUME (m3): 1,970 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 1,512 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **FROZEN SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ Located on the E and W sides. Structure will be maintained. Harvest as shown on map. 15 Lake Located on the NE side. Large riparian area around lake. Harvest as shown on map. 15 Stream Located on the S side. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 157 to 236 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area.



			RE	NEWAL PF	RESCRIP	TION INF	ORMATIC	ON					
RENEW	RENEWAL STRATEGY BY SPECIES SITE PREPARATIONS							SN	SNOW CACHE:				
Species	Natural Advanced	I Assisted		PREF. A	LT.			RE	ENEWA	AL COVERTYPE:			
TA					DRAG								
ВА					MOUN	D		RI	ENEW	AL ACCESS			
WB					TREN	CH				ATV			
ws				$\vdash \vdash$		R RIPPER				HELICOPTER			
BS	H	Н		X L	AREA	PLANT				TRUCK			
JP BF	H	Н											
БГ	⊔ ⊔	Ш											
	Siteprep Sur	mmary			P	lanting Sur	nmary] [Survey Sur	nmary		
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	╛┟	Туре	Series	Year	
									J ¦	Plantation Survival	First	2023	
DENEWAI	. COMMENTS/ISSU	IEQ.							L	Regeneration	First	2032	
			DD	ESCRIPTIO	N DEVIE	M/ AND A		NA .					
				ESCRIPTIC	N REVIE								
	INTER	NAL REVIEW	1			EX	TERNAL F	REVIEW					
	X F	PLANNING					SUBMIT	TED TO IRM	T on				
		VILDLIFE					ALL IRM	T CONCERN	IS MITI	GATED			
		SILVICULTURE				_	-						
IRMT Concer	ns and Comments:				Mitigat	ion Strategy:						Mitigate	
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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: TEL-929 Twp & Rge: t33r26w Cut Block Size: 47.7 ha **OPERATING AREA: Tee Lakes** Ownership: Open Crown Mapsheet: 360574 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: SPL/Riehl/LP HARDWOOD VOLUME (m3): 4,770 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 2,709 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **FROZEN SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ Located on the E and W sides. Structure will be maintained. Harvest as shown on map. 15 Lake Located on the NW side. Harvest as shown on map. 15 Stream Located on the S side. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 381 to 572 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area.



			RE	NEWAL PF	RESCRIPT	TION INF	ORMATIO	N				
							SNOW CACHE: RENEWAL COVERTYPE:					
TA BA WB WS BS JP BF				x	DRAG MOUN TRENG WINTE	D		RE	ENEW.	AL ACCESS ATV HELICOPTER TRUCK		
	Siteprep Sum	ımarv				lanting Sun	nman/		1 [Survey Sun	mary	$\overline{}$
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	┧┟	Туре	Series	Year
1000	7.0	7.1.02 (1.12)	7.11.0111.010	1001	Godoon	Орослос	Donony	10.0.	┧┟	Plantation Survival	First	2023
								1	' ├	Regeneration	First	2032
RENEWAL CO	MMENTS/ISSUE	S:							L			
		IAL REVIEW		ESCRIPTIC	N REVIE		IITIGATIO					
	x w	ANNING ILDLIFE LVICULTURE					-	TED TO IRMT		SATED		
IRMT Concerns a	nd Comments:				Mitigat	ion Strategy:						Mitigate

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: TEL-930 Twp & Rge: t33r26w Cut Block Size: 29.5 ha **OPERATING AREA: Tee Lakes** Ownership: Open Crown Mapsheet: 360574 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: SPL/Riehl/LP HARDWOOD VOLUME (m3): 2,950 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 2,367 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **FROZEN SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Stream Located on the NE side. Harvest as shown on map. Lake Located on the W side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 236 to 354 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Park boundary will be located with GPS to ensure no encroachment into Back Country zone. This block has not been surveyed. The volume information is based on surveyed blocks in the area.



				RE	NEW	VAL PR	ESCRIP1	ION INF	ORMATIC	N				
RENEW	RENEWAL STRATEGY BY SPECIES SITE PREPARATIONS								SNOW CACHE:					
Species	Natural A	dvanced	Assisted		F	PREF. A	LT.				RENEW	AL COVERTYPE:		
TA							DRAG				DENEW	NAL ACCECC		
ВА							MOUN				KENEV	NAL ACCESS		
WB	Ш	Ш	Ц			\sqcup	TRENC					ATV		
ws	H	H	Н			H	AREA	R RIPPER			F	HELICOPTER		
BS JP	Н	Н	Н				ANLA	LANI				TRUCK		
BF	H	H	H											
			Ш								_			
Veer	1	rep Sum		Altamata		V		lanting Sur		Tatal		Survey Sur	nmary Series	Year
Year	Actio	on	Area (ha)	Alternate	 -	Year	Season	Species	Density	Total	-	Type Plantation Survival	First	2023
	<u> </u>				l L							Regeneration	First	2032
RENEWAL	COMMENT	S/ISSUE	S:											
				20	E00	DIDTIO	N DEVIE	A/ AND A	UTIOATIO					
					ESC	RIPTIO	N REVIE		IITIGATIO					
		INTERN	IAL REVIEW	1				EX	TERNAL F	REVIEW				
		X PL	ANNING						SUBMIT	TED TO IF	RMT on			
		x WI	LDLIFE						ALL IRM	T CONCE	RNS MIT	ΓΙGATED		
		SIL	LVICULTURE					_	_					
IRMT Concern	ns and Comme	nts:					Mitigati	on Strategy:						Mitigate
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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 Cut Block Name: TEL-931 Twp & Rge: t32r26w Cut Block Size: 69.0 ha **OPERATING AREA: Tee Lakes** Ownership: Open Crown Mapsheet: 360573 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION Species Avg Ht (m) Avg DBH (cm) Vol % m3/ha Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 37 18% 2,850 TA 21.9 41 ws BS ВF 26 415 BA 16.8 3% 6 838 Uniform **WB** 0% 0 0 38 Clumped Total HW 21% 47 3,265 **Eco Land Classification Soils Summary** 24 111 WS 19.0 1st 2nd 3rd BS 115 17.5 20 52% 8 071 117 LFH(cm) S-Type Moisture **Surface Texture** .IP 112 21.1 29 27% 60 4,139 30 18 V Type 17 Silty Sand 13 **S5** BF 0% 0 0 **Eco Site** 53 Total SW 79% 178 12,321 **Block Total:** 226 15,586 Cover Type: S IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Quota Holder/LP HARDWOOD VOLUME (m3): 3,102 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 11,704 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **UNDERSTOREY PROTECTION FROZEN SELECTION** PILE & BURN DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS 15-50 Located on the S side. Variable 15 to 50m buffer. Large riparian area. Harvest as shown on map Lake Wetland 15-30 Located on the NE corner. Variable 15 to 30m buffer. Harvest as shown on map. Stream 15-30 Located on the SW side. Variable 15 to 30m buffer. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 552 to 828 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** To benefit the regeneration of both planted softwood seedlings and natural regeneration of hardwoods by suckering, it is recommended that all hardwood trees be harvested (except in wildlife tree patches). Selective harvesting of only the softwood trees would leave behind significant amounts of hardwood canopy. Selective harvesting of only the hardwood trees for logs would leave behind significant amounts of debris and hardwood canopy. In mixed wood and softwood blocks the number of acceptable planting microsites would be reduced, and the hardwood canopy could reduce softwood seedling growth and hardwood regeneration. In hardwood blocks the residual hardwood canopy and debris could reduce hardwood regeneration and reduce potential for softwood renewal. Maintain a max of 13 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block.

FML 3 2022 - Harvest

Survey Summary pe Series a Survival First estation First	Year 2024 2033
Survey Summary pe Series Survival First station First	2024
pe Series Survival First station First	2024
pe Series Survival First station First	2024
station First	
ested and	2033
	Mitigated
	x

Tee Lakes - TEL-931

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Fax: 204-734-3646 Cut Block Name: TEL-932 Twp & Rge: t33r25w Cut Block Size: 127.4 ha **OPERATING AREA: Tee Lakes** Ownership: Open Crown Mapsheet: 360574 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 0 0 TA 0% ws BS BF BA 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0 0% 0 2nd 3rd BS 0% LFH(cm) S-Type 0 0 Moisture Surface Texture .IP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: SPL/Riehl/LP HARDWOOD VOLUME (m3): 12,740 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 10,908 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **UNDERSTOREY PROTECTION FROZEN SELECTION** PILE & BURN DRY/FROZEN SEED TREE AVOIDANCE WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS Located on the SE corner. Harvest as shown on map. Lake 50 Lake Located on the SE tip. Harvest as shown on map. Wetland 30-100 Located along the NE side. Variable 30 to 100m+ buffer. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 1,019 to 1,529 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** To benefit the regeneration of both planted softwood seedlings and natural regeneration of hardwoods by suckering, it is recommended that all hardwood trees be harvested (except in wildlife tree patches). Selective harvesting of only the softwood trees would leave behind significant amounts of hardwood canopy. Selective harvesting of only the hardwood trees for logs would leave behind significant amounts of debris and hardwood canopy. In mixed wood and softwood blocks the number of acceptable planting microsites would be reduced, and the hardwood canopy could reduce softwood seedling growth and hardwood regeneration. In hardwood blocks the residual hardwood canopy and debris could reduce hardwood regeneration and reduce potential for softwood renewal. This block has not been surveyed. The volume information is based on surveyed blocks in the area.



			RE	NEWAL PR	LOCIVII		JRIVIATIC	IN				
RENEV Species								SNOW CACHE: RENEWAL COVERTYPE:				
TA BA WB WS BS JP BF				x	DRAG MOUN TRENG	CH R RIPPER		RE	ENEWA	AL ACCESS ATV HELICOPTER TRUCK		
	Siteprep S	ummary				lanting Sun	ımarı/		1 [Survey Sun	marv	$\overline{}$
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	┪┝	Туре	Series	Year
100.	7.0	7 0 ()	7	1001	- Coucon	Орослос	Donony	10141	┧┝	Plantation Survival	First	2025
						1		1	' ├	Regeneration	First	2034
RENEWAL	COMMENTS/ISS	UES:							_		I	
	INTE	RNAL REVIEV		ESCRIPTIO	N DEV#E							
	х	DI ANNUNIO			N REVIE		ITIGATIO TERNAL F					
		PLANNING			N REVIE		TERNAL F	REVIEW	- on			
	x	PLANNING WILDLIFE			N KEVIE		TERNAL F	REVIEW TED TO IRMT		GATED		
			<u>:</u>		N REVIE		TERNAL F	REVIEW		GATED		
IRMT Concer		WILDLIFE	i .				TERNAL F	REVIEW TED TO IRMT		SATED		Mitigated



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Swan River, MB, R0L 1Z0

Integrated Operations by Operating Area

Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML 3 2023 - Harvest, FML 3 2023 - Contingency

FMU 13	Valley	River

WIO 13			valley Kive
VLR-022	46.18 Hectares		2022 Contingency
HW Allocation	4,669 m3	LP	
SW Allocation	3,036 m3	SPL	
VLR-023	54.76 Hectares		2022 Contingency
HW Allocation	6,247 m3	LP	
SW Allocation	2,069 m3	SPL	
VLR-024	32.09 Hectares		2022 Contingency
HW Allocation	5,325 m3	LP	
SW Allocation	1,726 m3	SPL	
VLR-026	55.29 Hectares		2022 Contingency
HW Allocation	5,846 m3	LP	
SW Allocation	3,445 m3	SPL	
VLR-030	32.09 Hectares		2022 Contingency
HW Allocation	6,919 m3	LP	
SW Allocation	297 m3	SPL	
VLR-035	29.52 Hectares		2023 Contingency
HW Allocation	3,477 m3	LP	
SW Allocation	2,916 m3	SPL	
VLR-037	23.33 Hectares		2022 Harvest
HW Allocation	2,482 m3	LP	
SW Allocation	1,391 m3	SPL	
VLR-038	74.13 Hectares		2022 Harvest
HW Allocation	9,475 m3	LP	
SW Allocation	4,367 m3	SPL	
VLR-213	6.84 Hectares		2022 Harvest
HW Allocation	564 m3	LP	
SW Allocation	2,207 m3	SPL	
VLR-229	36.68 Hectares		2023 Contingency
HW Allocation	3,938 m3	LP	
SW Allocation	2,520 m3	SPL	
VLR-235	41.28 Hectares		2023 Harvest
HW Allocation	8,192 m3	LP	
SW Allocation	488 m3	SPL	
VLR-804	34.98 Hectares		2022 Harvest
HW Allocation	4,837 m3	LP	
SW Allocation	2,820 m3	SPL	

FML 3	2022 - 2024	OP
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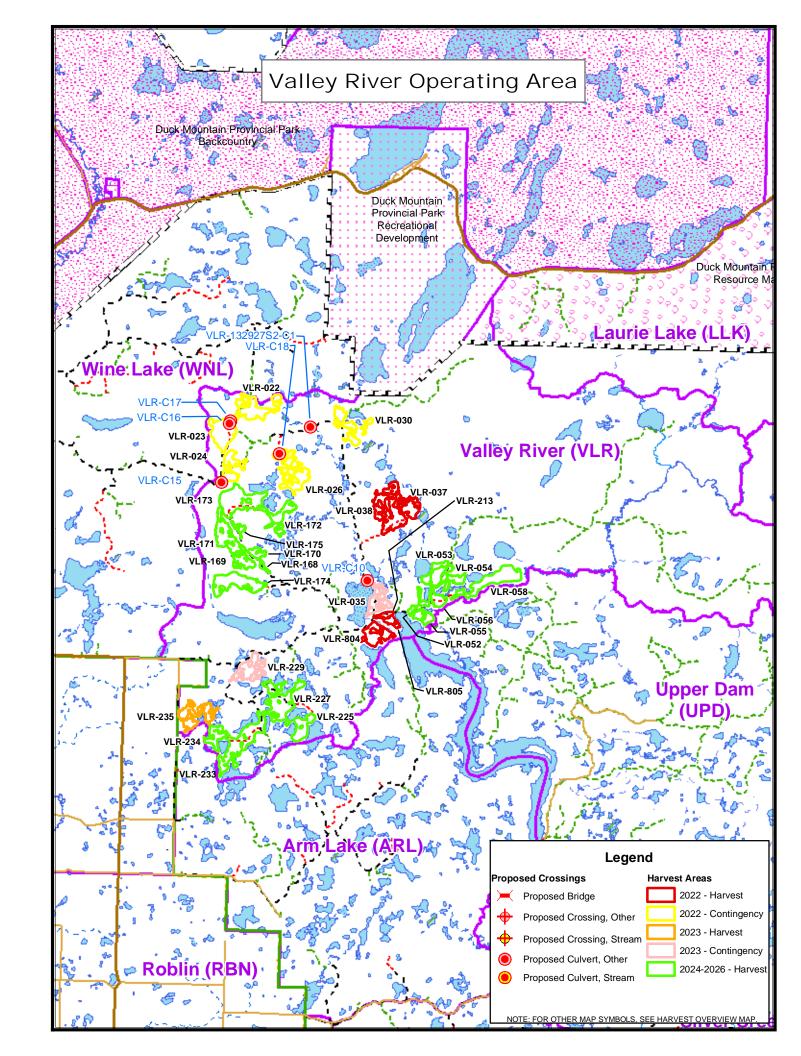
Integrated Operations by Operating Area

Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

FMU 13 Valley River

VLR-805	9.16 Hectares		2022 Harvest
HW Allocation	904 m3	LP	
SW Allocation	271 m3	SPL	



Internal Mitigation Comments

Ge	ne	ra
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General			
Operating Area	Concern	Manitoba	Action/Response
Valley River	Forest Health	BF understory should not be protected in this operating area until the SBW outbreak is over. Mature BF should also be harvested.	Agreed.
	Access Control	Where ATV access is to be left for renewal purposes, only one central access may be retained. No in block spur roads are to be left. A limited number of strategically distributed helicopter landing areas may be left on roads and landings. Access to be closed following completion of planting activities by no later than July 31, unless separate approval is applied for.	Agreed. Will determine on a site by site basis.
		Due to time limitations, this will have to be discussed on a case by case basis, at the time of harvest.	Can operators reach into the buffers to harvest diseased softwood?
Site Specific			
Block	Concern	Manitoba	Action/Response
VLR-213	Wildlife Ungulate	Would prefer this block be dropped, and add the southern 5 ha or so to VLR-805, with a 30m LOS buffer on the road. Area near plot 2 and 3 should be removed to remove silviculture responsibility from MFSRC.	Need to discuss further. Spruce along road is infected with budworm. Perhaps a visual screen could be maintained. Area around plots 2 and 3 has been removed. LP did not get the cut over photos until after we submitted the packages.
		If the block is not dropped, what can be left for a visual buffer?	There are shrubs present, but not in sufficient quantities to maintain an effective visual buffer. Especially if the WS die. Would prefer to harvest and renew this area but a LOS break of some sort could be left. To be discussed at time of harvest.
	Forest Renewal	Missing information.	Renewal information shows on LP copy of the prescription.
	Access Control	Minimal access to be left for planting. See Operating Area General Comment about planting access.	Agreed.
VLR-804	Recreation	Make the buffer on South Angling Lake a 50 m buffer.	Agreed.
	Forest Renewal	Missing information.	Renewal information shows on LP copy of the prescription.
	Access Control	Increase the distance between ARL-041 and this block to a 100m separation. It appears to be around 80m.	Agreed.

		Minimal access to be left for planting. See Operating Area General Comment about planting access.	Agreed.
VLR-805	Recreation	Increase the buffer on South Angling Lake to 50m.	Should be East Angling Lake. Agreed.
	Access Control	If VLR-213 is removed, and area from that block is added to this one, it may change the silviculture prescription. If it becomes necessary to plant, concentrate planting at the front of the block so the roads at the south end can be closed post-harvest.	See comment for VLR-213. Would prefer to leave block VLR-213 as is. Spruce is infected with budworm. Will leave blocks as shown.
		Same scenario, if planting becomes necessary, minimal access to be left for planting. See Operating Area General Comment about planting access.	Will not be planting this block. VLR-212 will not be added to block.
VLR-229	Not Surveyed	Will mitigate after survey.	
VLR-022, ,023, 024, 026, 030, 037, 038, 235	No concerns	Blocks were mitigated less than five years ago.	

Roads Valley River

V	/LR-1A t	o 1D (exis	ting)		Addition Comme		d Develo	pment		
Road D	<u>evelopr</u>	<u>nent:</u>			This road is part of the access to the Valley River operating area blocks. This					
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespan of Road (yrs)	Lifespan of Road portion of the main road goes up to the intersection of the road to the north towards Laurie Lake. This access is proposed for upgrading to allow dry/frozen access into the Valley River operating area. The road is on designated route L.					
6.9	20	8	Dry/Frozen	50						
Road De	eactivati	<u>on:</u>	2	ος ₋ ,	o – m		Š	_		
Road Clo Responsi			Kemova	and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments	
LP		Post-Ha Post-Rer						✓	This road is being upgraded to allow dry/frozen access. The road is existing and will remain open.	
VLR-	-1D-1A t	o 1D-1C (e	existing)		Addition		d Develo	pment		
Road D	evelopn	nent:		J	Comme These ro		part of t	he acce	ess to blocks VLR-026, 030, 037 and 038. These	
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespan of Road (yrs)	roads ar	e part o	f the Sno	wman t	trail system.	
8.7	20	8	Dry/Frozen	50						
Road De	eactivati	on:	z	ο	_		<u>s</u>			
Road Clo Responsi			Kemova	and Debris Crossing	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments	
LP		Post-Ha Post-Rer						V	These are existing roads which will remain open.	
,	VLR-1D-	1A-1A and	I 1B		Addition Comme		d Develo	pment		
Road D	evelopn	nent:		_			cess bloc	ks VLR	R-037 and 038.	
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespan of Road (yrs)						
1.8	20	8	Dry/Frozen	15						
Road De	eactivati	<u>on:</u>	z	ος ₋ ,	o		Š	_		
Road Clo Responsi			Kemovai	and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments	
LP		Post-Ha Post-Rer	_	Y					These roads will be closed with debris at selected locations in block VLR-038 after harvest. Selected locations include landings and other areas where debris accumulates. Debris will also be spread at the start of the road. ATV access will be maintained for renewal and surveys.	

	VLR	1D-1C-1A		Additional Road Development						
Road D	evelopn	nent:				Comme This roa		ses block	VLR-0	26.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	0	fespan f Road (yrs)					
0.6	20	8	Dry/Frozen		1					
Road De	<u>eactivati</u>	<u>on:</u>	į	ر ا	Π. ω	m	_	Sit	_	
Road Clos Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer			V					The first 100m of this road will be closed with debris. ATV access will be maintained for renewal and surveys.
	VLR-1	E (existinç	g)			Addition Comme		d Develo	pment	
Road D	evelopn	nent:				This roa	d is part	of the a	ccess to	the Valley River operating area blocks. This
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use		fespan f Road (yrs)					blocks VLR-053 and 054 and accesses block n designated route L.
3.3	20	0	Dry/Frozen		50					
Road De	eactivati	on:		ž ζ	σ ω		_	Si	_	
Road Clo				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP/SPL		Post-Ha Post-Rer							Y	This is an existing road which will remain open.
	VLR-4	A (existing	n)			Addition	nal Roa	d Develo	pment	
Road D	evelopn		<i>,</i>			Comme This roa		ses block	VLR-2	35.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use		fespan f Road (yrs)	_				
1.7	20	8	Dry/Frozen		50					
Road De	eactivati	on:	:	꼬오	п "			S	_	
Road Clo				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer	Ļ						✓	This is an existing RM road and will remain open.

Roads Valley River/WNL

WI	NL-1B a	nd 1C (exi	sting)			Addition		d Develo	pment	
Road D	<u>evelopn</u>	<u>nent:</u>						in the W	/NL ope	erating area but are part of the access to blocks
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	espan f Road (yrs)	VLR-022	2, 023, 0	24 and p	ossibly	026.
3.2	20	8	Dry/Frozen		50					
Road De	eactivati	on:		⊋Ω	п "			Ω̈		
Road Clo Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer							V	These are existing roads and will remain open. They are also part of the Snowman trail system.
	WNL-1	D (existin	g)			Addition		d Develo	pment	
Road D	evelopn	nent:				Commer This road		ne Valley	River o	perating area but originate from the WNL
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	espan f Road (yrs)		g area. ⁻			ses block VLR-023 and is part of the access to
1.7	20	8	Dry/Frozen		50					
Road De	eactivati	on:		ΣG	П (_ =		S	_	
Road Clo Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer							Y	These are existing roads and will remain open. They are also part of the Snoman Trail system.
	WNL-1D	-1A (existi	ng)			Addition	nal Road	d Develo	pment	
Road D	evelopn	nent:				Comme		ses hlacl	· VI R-0	24 and is possibly part of the access to block
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	espan f Road (yrs)	VLR-026		363 DIOGI	V LIV-O	24 and is possibly part of the access to block
8.0	20	8	Dry/Frozen		50					
Road De	eactivati	on:		교오	П (0			S	_	
Road Clo Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha								

WNL-1E				Additional Road Development Comments					t	
Road D	evelopr	nent:						ses bloc	k VLR-0	022. Most of it goes through block VLR-023.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use		fespan of Road (yrs)					
1.0	20	8	Dry/Frozer	1	1					
Road De Road Clo Responsi	sure	ion:		Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rei			✓					This road will be closed with debris at selected locations in block VLR-023.

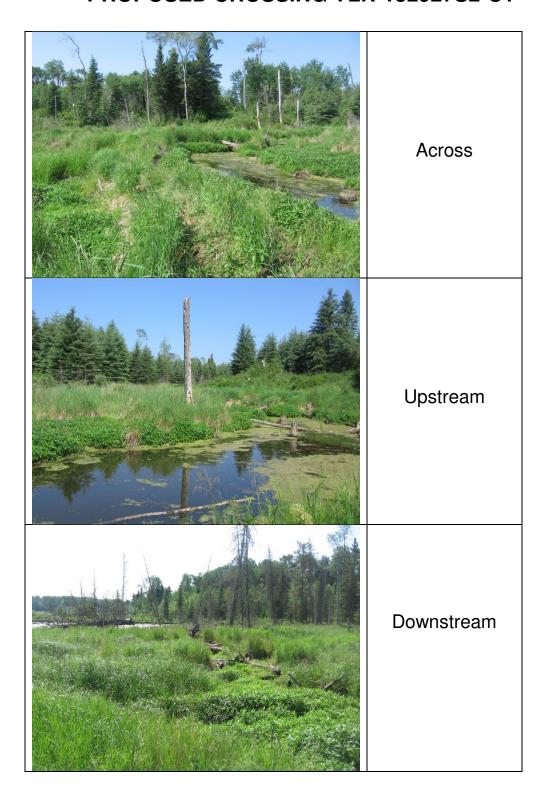


Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

Crossing Name: VLR-132927S2-C1	Ownership: SPL/LP
Operating Area: Valley River	Contingency Crossing:
UTM Northing: 5708963	UTM Easting: 351780
Stream Type: Other Watercourse	Land Description: SW-25-29-27-W
Watercourse Name: N/A	Crossing Inspection Date: 10-July-2015
Channel Width (m): N/A	Stream Assessment Required:
Water Depth (m): N/A	Stream Assessment Complete:
Road Name: VLR-1D-1C	·
Site Description:	
This is an existing snow and ice crossing location. The crossing is located on a flo downstream. The substrate is organic. The beaver dam at the crossing location w	·
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Preferred Alternate	Temporary Crossing:
Ice Bridge	01 September,2022 to 01 July,2023
Portable Bridge	Permanent Crossing:
Rail Car Bridge Timber Bridge	
Snow and Ice Xing	Proposed Install Date:
Arch Culvert	Crossing Duration: Years
Round Culvert	Remove after Renewal Activities:
Installation & Removal Notes:	
If a snow and ice crossing is used after harvest is completed the surface of the sn constructed to allow for flow during the spring melt. The snow and ice crossing will	
A minimum 18 inch culvert is required.	
After harvest is completed the culvert will be removed and the road approaches w will be seeded with grass and erosion control matting or straw mulch will be used	

PROPOSED CROSSING VLR-132927S2-C1



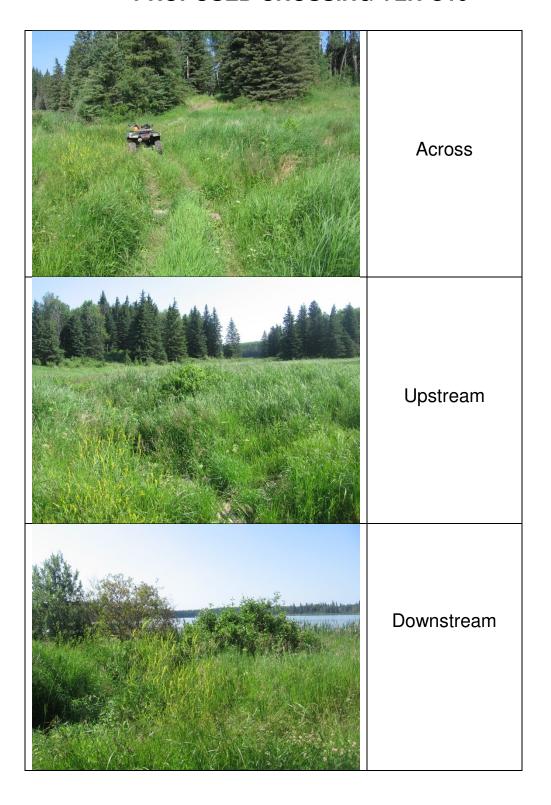


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WATER CROSSING PRESCRIPTION

Crossing Name: VLR-C10	Ownership: SPL/LP
	· —
Operating Area: Valley River	Contingency Crossing:
UTM Northing: 5704377	UTM Easting: 353479
Stream Type: Other Watercourse	Land Description: NW-7-29-26-W
Watercourse Name: N/A	Crossing Inspection Date: 10-July-2015
Channel Width (m): N/A	Stream Assessment Required:
Water Depth (m): N/A	Stream Assessment Complete:
Road Name: VLR-1D-1A	
Site Description:	
This is an existing erossing an a small waters are a which drains a small waters due to	The westland and waterseyres where dry when inspected
This is an existing crossing on a small watercourse which drains a small wetland. There is currently a log crossing at this location. Water would be present only du	
General Considerations:	
General Considerations.	
LP will follow DFO Operational Statement for crossings.	
Crossing Structure:	Crossing Lifespan:
<u>Preferred</u> <u>Alternate</u>	Temporary Crossing:
Ice Bridge	to
Portable Bridge Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date: 01 September,2022
Snow and Ice Xing	
Arch Culvert	Crossing Duration: 10 Years
Round Culvert	Remove after Renewal Activities:
lestallation 9 Demonal Nation	
Installation & Removal Notes:	
If a snow and ice crossing is used after harvest is completed the surface of the s	š
constructed to allow for flow during the spring melt. The snow and ice crossing w	wii meil and the area wiii return to near natural conditions.
A minimum 18 inch culvert is required.	
After harvest is completed the culvert will be removed and the road approaches will be seeded with grass and erosion control matting or straw mulch will be used	
wiii be seeded with grass and crosion control matting or straw multin will be used	a to further stabilize the site.

PROPOSED CROSSING VLR-C10



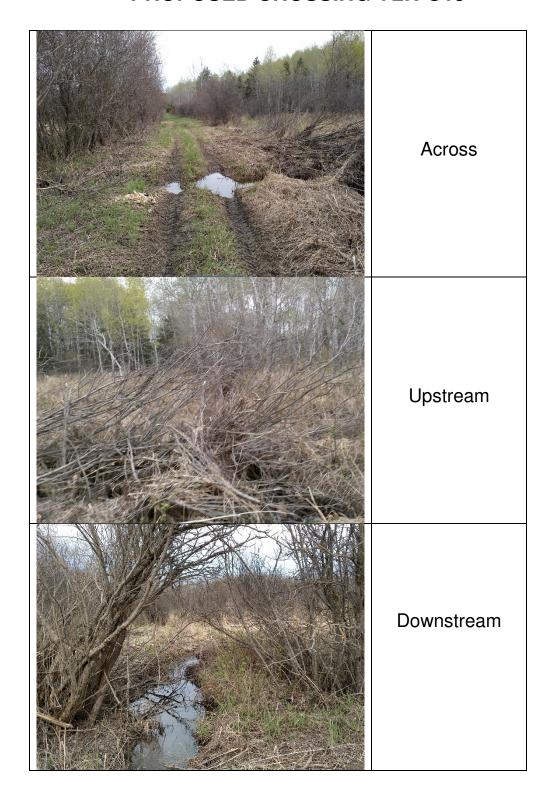


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WATER CROSSING PRESCRIPTION

Crossing Nam	e: VLR-C15	Ownership: LP
Operating Area:		Contingency Crossing:
UTM Northing:	5707312	UTM Easting: 349110
Stream Type:	Other Watercourse	Land Description: SE22-29-27W
Watercourse Na		Crossing Inspection Date: 13-May-2016
Channel Width ((m): 0.4	Stream Assessment Required:
Water Depth (m)): 0.1	Stream Assessment Complete:
Road Name:	WNL-1D	
Site Description:		
This is a small drain on an exi	sting trail. Substrate is clay and s	some gravel.
	,	
General Considerations:		
LP will follow DFO Operationa	al Statement for temporary crossi	ings.
Crossing	Structure:	Crossing Lifespan:
	Preferred Alternate	Temporary Crossing: X
Ice Bridge		01 September,2022 to 01 July,2023
Portable Bridge Rail Car Bridge	H	Permanent Crossing:
Timber Bridge	H	Proposed Install Date:
Snow and Ice Xing	H	
Arch Culvert		Crossing Duration: Years
Round Culvert	X	Remove after Renewal Activities:
nstallation & Removal Note	es:	
After harvest is completed the	surface of the snow and ice cros	ssing will be cleaned off and a trench will be constructed to allow for flow during
· -	_	rea will return to near natural conditions.
A minimum 12 inch culvert is r	•	
		road approaches will be recontoured to a near natural slope. If required the area mulch will be used to further stabilize the site.

PROPOSED CROSSING VLR-C15



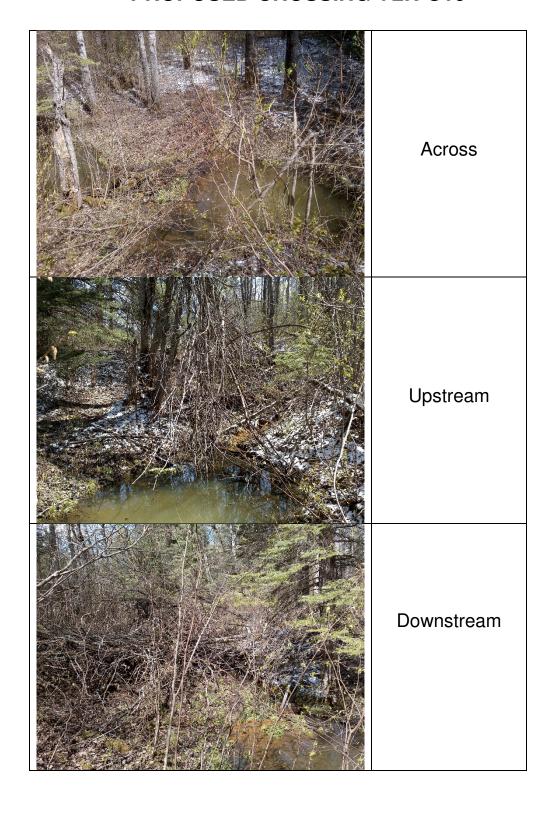


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WATER CROSSING PRESCRIPTION

Crossing Name: VLR-C16	Ownership: LP								
Operating Area: Valley River	Contingency Crossing:								
UTM Northing: 5709069	UTM Easting: 349359								
Stream Type: Other Watercourse	Land Description: SE27-29-27W								
Watercourse Name: N/A	Crossing Inspection Date: 13-May-2016								
Channel Width (m): 0.5	Stream Assessment Required:								
Water Depth (m): 0.05	Stream Assessment Complete:								
Road Name: WNL-1E									
Site Description:									
This is a small drain in a mixed wood stand. Substrate is organic/clay. There are	e no banks or defined channel.								
General Considerations:									
LP will follow DFO Operational Statement for temporary crossings.									
Crossing Structure:	Crossing Lifespan:								
Preferred Alternate	T C C								
Freiened Attenuate	Temporary Crossing:								
Ice Bridge	01 September,2022 to 01 July,2023								
Portable Bridge	Bownsout Crossing:								
Rail Car Bridge	Permanent Crossing:								
Timber Bridge	Proposed Install Date:								
Snow and Ice Xing Arch Culvert	Crossing Duration: Years								
Round Culvert X	Remove after Renewal Activities:								
Installation & Removal Notes:									
mountain a removal reces.									
If a snow and ice crossing is used after harvest is completed the surface of the constructed to allow for flow during the spring melt. The snow and ice crossing									
A minimum 12 inch culvert is required.	will find and the area will retain to hear flatarar conditions.								
After harvest is completed the culvert will be removed and the road approaches	s will be recontoured to a near natural slope. If required the area								
will be seeded with grass and erosion control matting or straw mulch will be use									

PROPOSED CROSSING VLR-C16



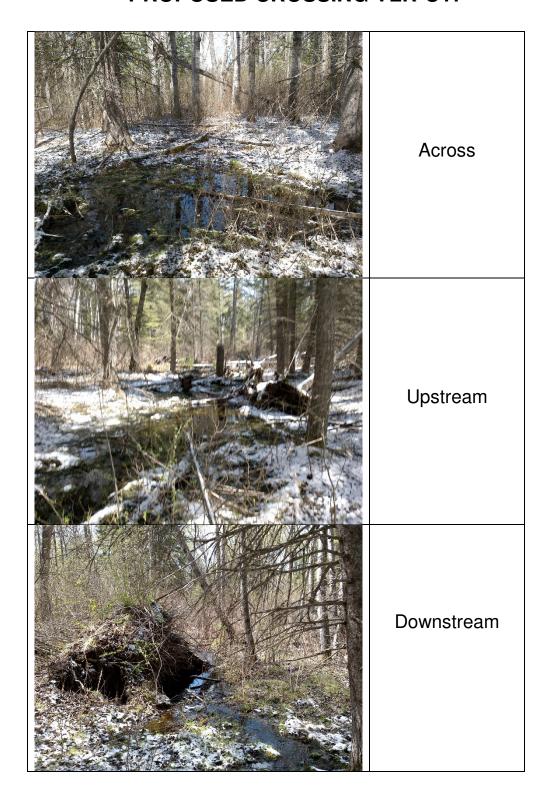


Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

Crossing Name: VLR-C17	Ownership: LP								
Operating Area: Valley River	Contingency Crossing:								
UTM Northing: 5709144	UTM Easting: 349381								
Stream Type: Other Watercourse	Land Description: SE27-29-27W								
Watercourse Name: N/A	Crossing Inspection Date: 13-May-2016								
Channel Width (m): 1.0	Stream Assessment Required:								
Water Depth (m): 0.1	Stream Assessment Complete:								
Road Name: WNL-1E									
Site Description:									
This is a small drain in a mixed wood stand. The substrate is organic. There are	e no banks and often no defined channel.								
The for a small aran in a mixed nood stands into oddstate to organise more and	, no samo and onor no domica diame.								
General Considerations:									
LP will follow DFO Operational Statement for temporary crossings.									
Crossing Structure:	Crossing Lifespan:								
<u>Preferred</u> <u>Alternate</u>	Temporary Crossing:								
Ice Bridge	01 September,2022 to 01 July,2023								
Portable Bridge	Permanent Crossing:								
Rail Car Bridge Timber Bridge	·								
Snow and Ice Xing	Proposed Install Date:								
Arch Culvert	Crossing Duration: Years								
Round Culvert	Remove after Renewal Activities:								
Installation & Removal Notes:									
If a snow and ice crossing is used after harvest is completed the surface of the constructed to allow for flow during the spring melt. The snow and ice crossing									
A minimum 12 inch culvert is required.									
After harvest is completed the culvert will be removed and the road approaches	s will be recontoured to a near natural slope. If required the area								
will be seeded with grass and erosion control matting or straw mulch will be use									

PROPOSED CROSSING VLR-C17



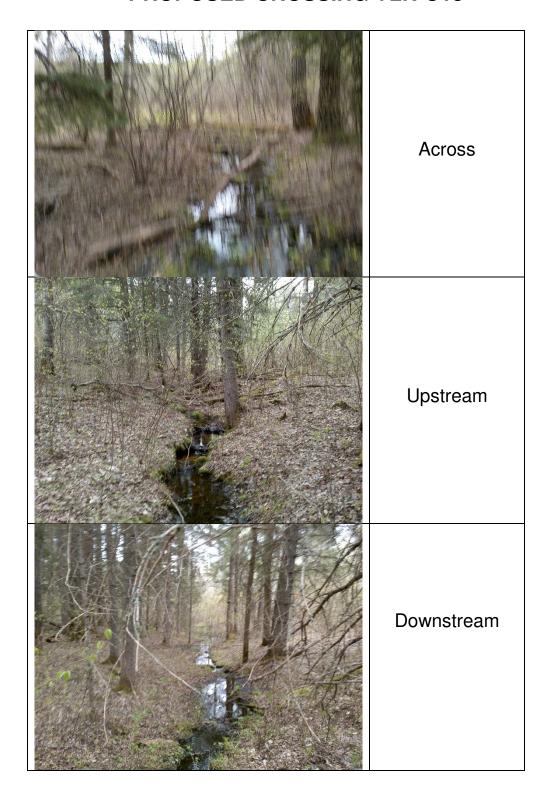


Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

Crossing Name: VLR-C18	Ownership: LP
Operating Area: Valley River	Contingency Crossing:
UTM Northing: 5708177	UTM Easting: 350848
Stream Type: Other Watercourse	Land Description: NE23-29-27W
Watercourse Name: N/A	Crossing Inspection Date: 13-May-2016
Channel Width (m): 1.0	Stream Assessment Required:
Water Depth (m): 0.1	Stream Assessment Complete:
Road Name: VLR-1D-1C-1A	
Site Description:	
Crossing is an alder/willow swale in a mixed wood stand. Substrate is organic with photos shown are from the same feature a couple hundred meters north.	with no banks. Photos did not work out for this location but the
General Considerations:	
Crossing Structure:	Crossing Lifespan:
<u>Preferred</u> <u>Alternate</u>	Temporary Crossing:
Ice Bridge Portable Bridge	01 September,2022 to 01 July,2023
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing	Crossing Duration: Years
Arch Culvert Round Culvert X	Remove after Renewal Activities:
Installation & Removal Notes:	
If a snow and ice crossing is used after harvest is completed the surface of the constructed to allow for flow during the spring melt. The snow and ice crossing	
A minimum 12 inch culvert is required.	
After harvest is completed the culvert will be removed and the road approaches will be seeded with grass and erosion control matting or straw mulch will be use	

PROPOSED CROSSING VLR-C18



LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Fax: 204-734-3646 Cut Block Name: VLR-022 Twp & Rge: t29r27w Cut Block Size: 46.2 ha **OPERATING AREA: Valley River** Ownership: Open Crown Mapsheet: 350570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Ht (m) Vol % m3/ha Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 22.8 54% 95 4,365 TA ws BS ВF 34 BA 6 290 196 4% 275 Uniform 17 **WB** 15.5 19 3% 6 259 Clumped Clumped Total HW 61% 106 4,914 **Eco Land Classification Soils Summary** WS 20.0 33 65 2.987 1st 2nd 3rd BS 20 16.8 1% 3 117 LFH(cm) S-Type Moisture **Surface Texture** JP 0% n n 13 V Type 08 18 06 Clay Loam **S5** BF 24.5 20 1% 92 **Eco Site** Total SW 39% 3,196 69 **Block Total:** 8,110 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 4,669 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 3,036 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS MFZ-75 Wetland Located on the N and NW sides. Variable MFZ to 75m buffer. Harvest as shown on map. Wetland MFZ-75 Located on the E side. Variable MFZ to 75m buffer. Harvest as shown on map. MFZ Wetland Located on S side. Structure will be maintained. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 369 to 554 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Maintain a maximum of 9 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

				RE	NE\	WAL PR	ESCRIP1	TION INFO	ORMATIO	N						
RENEW	/AL STRAT	TEGY BY	SPECIES			SITE	PREPAR	ATIONS		SI	SNOW CACHE:					
Species	Natural	Advanced	Assisted			PREF. AL	.т.			RI	RENEWAL COVERTYPE: N					
TA	х					DRAG						AL ACCESS				
ВА	х		Н			$H \vdash$	MOUN				_					
WB	X	H	\square			$H \vdash$	TRENC	R RIPPER			X ATV					
WS BS	H	х	X			\forall	AREA				H	HELICOPTER TRUCK				
JP	H	\blacksquare	H								ш	TROOK				
BF	Н															
	Site	eprep Sum	mary		1		P	lanting Sun	nmary		٦Г	Survey Sur	nmary			
Year	Ac	tion	Area (ha)	Alternate]	Year	Season	Species	Density	Total] [Туре	Series	Year		
]	2023	Sp	WS	1600	14040)	Plantation Survival	First	2024		
RENEWAL	COMMEN	TS/ISSIIF	_ _									Reforestation	First	2033		
							=				45) 01					
	WS understrotected in p		stems/ha and	<6m in height	are lo	ocated in th	e E and W	portions of	the block (pl	ots 5, 7 and	15). Clu	imps of understory				
			Ensure ATV	access to this	area.											
				DE	ESC	PDIDTIO	V DEVIE	A A NID M	IITIGATIO	N						
		INTERN	IAL REVIEV		ESU	KIPTIOI	N KEVIE									
				V				EX	TERNAL R	EVIEW						
		\vdash	ANNING					x	4	ED TO IRM						
			LDLIFE LVICULTURE					х	ALL IRM	CONCERN	NS MITIC	GATED				
IRMT Concern	no and Comm		LVICULTURE				Misimosi	la in Chinata iii ii						Mitigated		
								ion Strategy:						\neg $_$		
Identify th	ie access ar	nd crossing	s to island sta	ands.			To de	termine at t	he time of ha	arvest.				x		
							1									
							1									
							1									

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Fax: 204-734-3646 Cut Block Name: VLR-023 Twp & Rge: t29r27w Cut Block Size: 54.8 ha **OPERATING AREA: Valley River** Ownership: Open Crown Mapsheet: 340570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Ht (m) Vol % Avg Age (yr) Understory Stems/ha and Distribution 29 60% 96 5,262 TA 19.5 ws BS BF 37 23 1,279 BA 20.9 15% 167 Uniform **WB** 18.5 20 0% 34 Total HW 75% 120 6,575 **Eco Land Classification Soils Summary** 2,178 WS 17.2 32 40 25% 1st 2nd 3rd BS 0% LFH(cm) 0 S-Type Moisture Surface Texture 0 JP 0% 0 0 V Type 08 Clay Loam **S1** BF 0% 0 0 **Eco Site** 12 Total SW 25% 40 2,178 **Block Total:** 8,753 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 6,247 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 2,069 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS MFZ Located on E side. Structure will be maintained. Harvest as shown on map. Flood Meadow Dry prairies located on the NW and SW sides. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 438 to 657 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Maintain a maximum of 10 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible. Maintain structure along IBWC located near plot 20 in the NE side of block. This feature is shown by crossing picture VLR-C16. Keep existing trail located on S side free of debris. Keep equipment and debris out of harvested areas located on the SE and N sides of block.

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

				RE	NEWA	AL PR	RESCRIPT	TION INF	ORMATIO	N						
RENEW	VAL STR	ATEGY BY	8	NOW CA	ACHE:											
Species	Natural	Advanced	Assisted		PREF. ALT.					F	RENEWAL COVERTYPE: H					
TA	х				DRAG						RENEWAL ACCESS					
ВА	х	Ш			L	⊣ L	MOUN			,	CINEW	1				
WB	x	Ш	Ш		<u> </u>	┩┝	TRENC				Щ	ATV				
ws	Н	X	Н		\vdash	┥┝	_	R RIPPER			Н	HELICOPTER				
BS JP	\mathbb{H}	H	Н		L	J L	AREA	PLANT			Ш	TRUCK				
BF	\vdash	H	Н													
	Ш															
		iteprep Sun						lanting Sun	nmary		┙┟	Survey Su				
Year		ction	Area (ha)	Alternate		Year	Season	Species	Density	Total	┙┟	Type	Series	Year		
												Reforestation	First	2028		
RENEWAL	СОММЕ	NTS/ISSUE	ES:													
Area of l	WS under	stony >500 et	tome/ha and <	Sm in height is	located	in the	SW portion	of the block	(plot 5) Clu	mpe of und	oreton/w	vill be protected in				
patches.		Story > 300 Si	terris/ria ariu N	on in neight is	located	iii tiie	Svv portion	OI LITE DIOCK	(plot 3). Clu	inps or uno	CISIOIY W	viii be protected in				
		ed at harves	st to determine	if any assisted	d regene	eration	is required.	If the site is	s deemed to	be planted	, ATV ac	cess if required.				
				PR	ESCRI	PTIO	N REVIE	W AND N	ITIGATIO	N						
		INTERN	NAL REVIEW						TERNAL R							
									•							
		_	LANNING					x	4	ED TO IRM						
			/ILDLIFE					х	ALL IRM	CONCER	NS MITIO	GATED				
			ILVICULTURE													
IRMT Concer	rns and Con	nments:					Mitigati	on Strategy:						Mitigate		
No conce	erns.													x		
														_		
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														- 1		

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Fax: 204-734-3646 Cut Block Name: VLR-024 Twp & Rge: t29r27w Cut Block Size: 32.1 ha **OPERATING AREA: Valley River** Ownership: Open Crown Mapsheet: 340570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Ht (m) Vol % m3/ha Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 30 61% 141 4,538 TA 21.8 ws BS BF ВА 24 449 20.3 6% 14 33 50 **WB** 20.8 26 8% 19 618 Clumped Clumped Total HW 76% 175 5.605 **Eco Land Classification Soils Summary** WS 20.9 35 1,817 105 57 1st 2nd 3rd BS 0% LFH(cm) Moisture 0 S-Type Surface Texture 0 .IP 0% 0 n V Type 08 13 08 **S12S** Silt Loam BF 0% 0 0 **Eco Site** 23 07 S1 2 Loamy Sand Total SW 24% 1,817 57 **Block Total:** 231 7,422 Cover Type: H IBWC Cnt: 1 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 5,325 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 1,726 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ Flood Located in the NE side of block. Structure will be maintained. Harvest as shown on map 15-50 Meadow Dry prairies located along W side. Variable 15 to 50m buffers. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 257 to 385 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Maintain a maximum of 6 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible. Maintain structure along small IBWC located near plot 4 in the central portion of the block. Keep existing trails located on the N and central portions of the block feee of debris. The trail on the N side is part of the Snowman system. Contact the local snowmobile club prior to harvest. Keep equipment and debris out of harvested area located on the E/central side of the block.

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

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RENEW	AL STR	ATEGY BY	SPECIES			SI	ITE	PREPAR	RATIONS			SNOW C	ACHE:			
Species	Natural	Advanced	Assisted		ı	PREF.	AL1	т.				RENEWA	L COVER	TYPE: H		
TA BA	X		П			П		DRAG				RENEW	AL ACCE	SS		
WB	x	H	H			MOUND TRENCH										
WS	H	x	Н			Н	Н	ł	ER RIPPER				ATV HELICO	DTED		
BS	H	H	H			H	Н		PLANT			\vdash	TRUCK			
JP	H	H	\vdash			ш	ш]					I INOOK	•		
BF	Н	H	H													
	Ш															
	1	iteprep Sum							lanting Sui		1	 		Survey Su		
Year		Action	Area (ha)	Alternate		Year	<u>- </u>	Season	Species	Density	Total	╙┩┟		ype	Series	Year
					J							L	Refor	estation	First	2028
		sited at harve	est to determin	PR					W AND N	MITIGATIO	N	block, ATV	/ access wi	ill be		
		INTERN	NAL REVIEW	Ī					EX	TERNAL R	EVIEW					
		X PL	ANNING						х	SUBMITT	ED TO IF	RMT on 11	/11/16			
		x w	ILDLIFE						x	-		RNS MITI				
		X SI	LVICULTURE						<u> </u>	-						
IRMT Concern	ns and Cor	nments:						Mitigat	ion Strategy:	:						Mitigate
No conce	rns.															╗┍
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PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Cut Block Name: VLR-026 Twp & Rge: t29r27w Cut Block Size: 55.3 ha **OPERATING AREA: Valley River** Ownership: Open Crown Mapsheet: 350570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Age (yr) Avg Ht (m) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 22.4 33 49% 86 4,782 TA ws BS BF 28 BA 17 4 8% 14 790 100 Uniform **WB** 17.3 26 6% 11 584 Total HW 63% 111 6,156 **Eco Land Classification Soils Summary** WS 27 72 17.0 65 3.581 1st 2nd 3rd BS 0% LFH(cm) 12 0 14 0 25 S-Type Moisture Surface Texture JP 0% 0 n 05 V Type 08 13 09 Loam **S5** BF 0% 0 0 **Eco Site** 04 33 Total SW 37% 3,606 65 **Block Total:** 177 9,762 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 5,846 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 3,445 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS MFZ-30 Located on E side. Variable MFZ to 30m buffer. Harvest as shown on map Wetland Wetland MFZ-30 Located on S side. Variable MFZ to 30m buffer. Harvest as shown on map. Wetland MFZ-15 Located on N side. Variable MFZ to 15m buffer. Harvest as shown on map Wetland MFZ-100 Small lakes/wetlands on W side. Variable MFZ to 100+m buffers. Harvest as shown on map Wetland MFZ Located in the central portion of the block. Structure will be maintained. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 442 to 663 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Maintain a maximum of 11 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible. The E side of this block may have had portions planted (see map for SD). When harvesting this area check for possible plantation areas.

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

	AL STRATEGY BY				E PREPAR	ATIONS		SNOW CACHE: RENEWAL COVERTYPE: N							
Species TA BA WB WS	X X X X X X	Assisted		PREF. A	DRAG MOUN TRENC	CH R RIPPER		RENEWAL ACCESS X ATV HELICOPTER							
JP BF	H H	H			/IKE/KI	2741			Ш	TRUCK					
БГ									_						
	Siteprep Sumi					lanting Sun			<u> </u>	Survey Sun					
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	F	Type Plantation Survival	Series First	Year 2024			
				2023	Sp	WS	1600	14040	F	Reforestation	First	2024			
RENEWAL (COMMENTS/ISSUE	S:							L	i toro cotation	1 11 31	2000			
	INTERN	AL REVIEW		SCRIPTIO	N REVIE		IITIGATIO TERNAL R								
	X PL	ANNING				х	1 SUBMITT	ED TO IRMT	on 11 /	/11/16					
	x WII	LDLIFE				x	-	CONCERNS							
	X SIL	VICULTURE				_	•								
IRMT Concern	s and Comments:				Mitigati	on Strategy:						Mitigate			
Identify the	e access and crossings	s to island sta	nds.		To de	termine at t	he time of ha	arvest.				X			
				Va	illey River - VLF	0.006									

RENEWAL PRESCRIPTION INFORMATION

PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Cut Block Name: VLR-030 Twp & Rge: t29r26w Cut Block Size: 32.1 ha **OPERATING AREA: Valley River** Ownership: Open Crown Mapsheet: 350570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Ht (m) Vol % Avg Age (yr) Understory Stems/ha and Distribution 22.3 30 91% 215 6,892 TA ws BS BF ВА 21.0 20 391 5% 12 236 Uniform g **WB** 0% 0 0 Clumped Total HW 96% 227 7,283 **Eco Land Classification Soils Summary** WS 29 312 14.2 10 1st 2nd 3rd BS 0% LFH(cm) 0 S-Type Moisture Surface Texture 0 JP 0% 0 0 V Type 05 08 05 Loam **S5** BF 0% 0 0 **Eco Site** 32 Total SW 4% 10 312 **Block Total:** 237 7,595 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 6,919 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 297 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION FROZEN** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS Wetland MFZ-30 Located on E side. Variable MFZ to 30m buffer. Harvest as shown on map Wetland MFZ-15 Located on S side. Variable MFZ to 15m buffer. Harvest as shown on map. Lake 15-30 Located on the NE side. Variable 15 to 30m buffer. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 257 to 385 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Keep existing trail located on the W side of the block feee of debris. This trail is part of the Snowman system. Contact the local snowmobile club prior to The W side of this block may have had portions planted (see map for SD). When harvesting this area check for possible plantation areas.

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

		RE	NEWAL PR	ESCRIPT	TION INF	ORMATIO	N					
RENEWAL STRATEG	BY SPECIES		SITE	PREPAR	ATIONS		SN	IOW C	ACHE:			
Species Natural Adva	nced Assisted		PREF. AL	т.			RE	NEWA	L COVERTYPE:			
та 🗶			DRAG									
ва х				MOUN	D		RENEWAL ACCESS					
wв				TRENC					ATV			
ws	<u> </u>		$\vdash \vdash \vdash$	4	R RIPPER			Ш	HELICOPTER			
BS	→ -			AREA	PLANT			Ш	TRUCK			
JP BF	┥ ├┤											
ы								_				
Siteprep	Summary			Р	lanting Sun	nmary] [Survey S			
Year Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	↓ ŀ	Туре	Series	Year	
								JL	Reforestation	First	2028	
RENEWAL COMMENTS/IS	SSUES:											
Areas of WS understory >	•500 stems/ha and •	<6m in height a	are located in the	e W side o	f the block (plots 5, 17 a	ınd 21). Clum	ips of u	nderstory will be			
protected in patches.												
		PR	ESCRIPTION	N REVIE	W AND N	ITIGATIO	N					
IN'	TERNAL REVIEW	1			EX	TERNAL R	EVIEW					
_	-					,						
X	PLANNING				X	4	TED TO IRM					
X	WILDLIFE				х	ALL IRM	MT CONCERNS MITIGATED					
	SILVICULTURE											
IRMT Concerns and Comments:				Mitigati	on Strategy:						Mitigate	
Identify the access and cro	ssings to island sta	nds.		To de	termine at t	he time of ha	arvest.				x	
1												

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: VLR-035 Twp & Rge: t29r26w Cut Block Size: 29.5 ha **OPERATING AREA: Valley River** Ownership: Open Crown Mapsheet: 350570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS BF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture Surface Texture .IP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 3,477 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 2,916 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS Wetland MFZ-30 Located on the N end. Variable MFZ to 30m buffer. Harvest as shown on map. Wetland MFZ Located on the E side. Structure will be maintained. Harvest as shown on map. Lake North Angling Lake located on the W side. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 236 to 354 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area. The White Spruce in this area is infected with Spruce Budworm. Harvest needs to be accelerated to salvage the spruce before it becomes unmerchantable. Keep existing trail that runs through the block free of debris. Valley River



PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

				RE	ΝE	WAL PF	RESCRIP	TION INF	ORMATIC	N							
RENEW	AL STRATEG	Y BY S	PECIES			SIT	E PREPAR	ATIONS			SNOW CACHE:						
Species	Natural Adv	anced /	Assisted			PREF. A	LT.				RENEWAL COVERTYPE:						
TA					DRAG												
ВА							MOUN	D			RENE	-WAL	ACCESS				
WB						$\sqcup \sqcup \bot$	TREN					_	ATV				
WS	Ц ↓		Ш			$H \vdash$		R RIPPER			-	_	HELICOPTER				
BS	\vdash	4	Н			X L	AREA	PLANT			L		TRUCK				
JP BF	H	-	H														
			Ш														
	Sitepre	p Summ	nary					lanting Su	mmary				Survey Su	mmary			
Year	Action	1	Area (ha)	Alternate		Year	Season	Species	Density	Total			Туре	Series	Year		
					J								Plantation Survival	First	2025		
RENEWAI	COMMENTS/	ISSUES	: -									L	Regeneration	First	2034		
TENEWAL		.00020	<i>'</i>														
				PR	ESC	CRIPTIO	N REVIE	W AND N	MITIGATIO	N							
	IN	NTERNA	L REVIEW	1				E	CTERNAL F	REVIEW							
	Б	x PLA	NNING					Г	7 SUBMIT	TED TO IF	RMT on	ı					
	—	_	DLIFE					<u> </u>	-		O IRM Fon ICERNS MITIGATED						
		SILV	/ICULTURE						_								
IRMT Concern	ns and Comments	s:					Mitigat	ion Strategy	:						Mitigate		
															\neg \vdash		

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 Cut Block Name: VLR-037 Twp & Rge: t29r26w Cut Block Size: 23.3 ha **OPERATING AREA: Valley River** Ownership: Open Crown Mapsheet: 350570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Age (yr) Avg Ht (m) Vol % Vol (m3) Understory Stems/ha and Distribution TA 20.7 31 62% 108 2,530 82 ws BS ВF ВА 34 19.0 2% 83 4 50 **WB** 0% 0 0 Clumped Total HW 64% 112 2,613 **Eco Land Classification Soils Summary** 1,465 WS 19.6 33 93 36% 63 1st 2nd 3rd BS 0% LFH(cm) Moisture 0 S-Type Surface Texture 0 JP 0% 0 0 09 13 V Type 08 Sandy Loam 13 S₂ BF 0% 0 0 **Eco Site** 33 23 05 S5 2 Clay Loam Total SW 36% 1,465 63 **Block Total:** 175 4,078 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 2,482 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 1,391 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland 15-30 Located on the E side. Variable 15 to 30m buffer. Harvest as shown on map. Lake 15-30 Located on the SE side. Variable 15 to 30m buffer. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 187 to 280 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Maintain a maximum of 4 WDP's approximately 30-70 m from the block edge adjacent to buffers along riparian areas and adjacent to softwood forest types outside the block.

FML 3 2022 - Harvest

			RE	NEV	VAL PR	ESCRIP1	TION INF	ORMATIO	N				
RENEWAL STR	ATEGY BY	SPECIES			SITE	PREPAR	ATIONS				ACHE:		
Species Natural TA X BA X WB WS BS	Advanced	Assisted			PREF. AL	DRAG MOUN TRENC	CH R RIPPER				AL ACCESS ATV HELICOPTER TRUCK		
JP BF	Н												
s	iteprep Sum	ımarv		1 [Planting Summary			Survey Summary					
	Action	Area (ha)	Alternate		Year	Season	Species	Density	Total	1	Туре	Series	Year
		<u> </u>			2023	Sp	WS	1600	6840	1	Plantation Survival	First	2024
RENEWAL COMME				, ,						'	Regeneration	First	2034
Helicopter will be u													
	X PL	NAL REVIEV		ESC	RIPTIO	N REVIE		ITIGATIO TERNAL R		Γ on 10	//31/17		
		ILDLIFE LVICULTURE	<u>.</u>				х	ALL IRM	T CONCERN	S MITI	GATED		
IRMT Concerns and Con		LVICOLTOIL	-			Mitigati	ion Strategy:						Mitigated
No concerns.						Ok.							×

Valley River - VLR-037

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Cut Block Size: 74.1 ha Cut Block Name: VLR-038 Twp & Rge: t29r26w **OPERATING AREA: Valley River** Ownership: Open Crown Mapsheet: 350570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution 21.1 30 63% 125 9,237 TA ws BS ВF ВА 95 26 10 193 5% 737 174 Uniform 11 **WB** 0% 0 0 Clumped Clumped Total HW 68% 135 9,974 **Eco Land Classification Soils Summary** 4,293 WS 19.1 31 118 29% 58 1st 2nd 3rd BS 17.5 2% 303 LFH(cm) 84 19 S-Type Moisture Surface Texture JP 0% n 0 05 V Type 08 13 05 Sandy Clay Loam **S5** BF 0% 0 0 **Eco Site** 32 Total SW 32% 4,596 62 **Block Total:** 197 14,570 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 9,475 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 4,367 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ Located on the W side. Structure will be maintained. Harvest as shown on map. Flood MFZ Located on the S side. Structure will be maintained. Harvest as shown on map. Wetland 30 Located on the N side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 593 to 890 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Maintain a maximum of 14 WDP's approximately 30-70 m from the block edge adjacent to buffers along riparian areas and adjacent to softwood forest types outside the block. Keep equipment and debris out of harvested area located on the SW corner of the block.

Valley River

FML 3 2022 - Harvest

			RE	NEW <i>A</i>	AL PR	ESCRIPT	ION INFO	ORMATIO	N				
RENEW	AL STRATEGY BY	SPECIES			SITE	PREPAR	ATIONS		SNO	ow c	ACHE:		
Species	Natural Advanced	Assisted		PR	EF. AL	т.			REN	NEWA	L COVERTYPE: N		
TA BA	x	H		F	7 F	DRAG MOUNI	D		RE	NEW	AL ACCESS		
WB	Ĥ H	H			1	TRENC	Н			х	ATV		
ws	X	х			┚┖	WINTE	R RIPPER			х	HELICOPTER		
BS)	<u>L</u>	AREA F	PLANT				TRUCK		
JP		Ц											
BF													
	Siteprep Sum	mary		1 [PI	lanting Sun	nmary			Survey Sum	nmary	
Year	Action	Area (ha)	Alternate		Year	Season	Species	Density	Total		Туре	Series	Year
					2023	Sp	ws	1600	34920		Plantation Survival	First	2024
		_					•				Regeneration	First	2034
RENEWAL	COMMENTS/ISSUE	:S:											
	rmine site for planting												
	be a helicopter block,												
	WS understory >500 s	stems/ha and	<6m in height	are locat	ted in th	e N and W	portions of	the block (pl	ots 23 and 37). Clur	mps of understory will		
be protec	cted in patches.												
			PR	ESCR	IPTIO	N REVIE	W AND M	IITIGATIO	N				
	INTERN	IAL REVIEW						TERNAL R					
			_'					•					
	— ⊢	ANNING					X	-	ED TO IRMT				
	—	LDLIFE LVICULTURE					X	ALL IRMT	CONCERNS	MITIC	GATED		
IDMT Canasan		LVICULTURE				B. B. Salan	044						Mitigated
IRWI Concern	ns and Comments:					Wiltigati	on Strategy:						Willigated
No concer	rns.					Ok.							x
													-

Valley River - VLR-038

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Cut Block Name: VLR-213 Twp & Rge: t29r26w Cut Block Size: 6.8 ha **OPERATING AREA: Valley River** Ownership: Open Crown Mapsheet: 350570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Ht (m) Avg Age (yr) Understory Stems/ha and Distribution 24.8 30 15% 65 445 TA ws BS BF ВА 33 22 150 24 0 5% 267 Uniform **WB** 0% 0 0 Total HW 20% 87 595 **Eco Land Classification Soils Summary** 2,323 WS 19.9 25 340 80% 1st 2nd 3rd BS 0% LFH(cm) 0 S-Type Moisture Surface Texture 0 JP 0% 0 n 08 21 V Type 13 09 Sandy Loam **S5** BF 0% 0 0 **Eco Site** 23 Total SW 80% 340 2,323 **Block Total:** 427 2,918 Cover Type: S IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 564 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 2,207 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS MFZ Jump Creek located on the W side. Flooding has killed trees along creek. Large riparian area along creek. Harvest as shown on map. Stream MFZ Roads Route L located on the N side. Structure will be maintained. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 55 to 82 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block is in an area affected by Spruce Budworm. Harvest is being accelerated to capture volume before White Spruce trees die. Keep designated route L located on the N side free of debris. Some of the WS near plots 2 and 3 has been harvested by permit holer.

Valley River

FML 3 2022 - Harvest

LDING SOLU	TIONS Fax	x: 204-734	1-3646											
				RE	NE)	NAL PRI	ESCRIPT	ION INFO	ORMATIO	N				
	NAL STRA			IN-		SITE	PREPAR		JAMAT 10	SNO		ACHE:		
Species TA BA	Natural X	Advanced	Assisted			PREF. AL	T. DRAG MOUNI	n				L COVERTYPE: S		
WB WS BS JP BF	X	x	x			x	TRENC	CH R RIPPER			x	ATV HELICOPTER TRUCK		
	Sit	eprep Sum	mary		1		PI	lanting Sum	nmary	1	Г	Survey Sur	nmary	
Year		ction	Area (ha)	Alternate	1	Year	Season	Species	Density	Total		Туре	Series	Year
]	2023	Sp	WS	1800	9000		Plantation Survival	First	2024
RENEWAI	_ COMMEN	ITS/ISSUE	S:								L	Reforestation	First	2033
				PR	ESC	RIPTIO	N REVIE\	W AND M	ITIGATIO	N				
		INTERN	IAL REVIEW						TERNAL R					
		X PL	ANNING LDLIFE LVICULTURE					x	SUBMITT	ED TO IRMT				
RMT Conce	rns and Comn	ments:					Mitigati	on Strategy:						Mitigat
Prefer to buffer or Area nea responsi Missing	drop block a road. ar plot 2 and bility from MI renewal infor access to be	and add S 5 3 should be FSRC. rmation.	iha to block Vi	r a visual buffe LR-805 with 30 remove silvicul erating area ge	Om LO		effecti and re discus Need Perha been the pa Area a photos	ve visual buenew this are seed at time to discuss fi ps a visual removed. Leackages, around plots is until after wal information.	offer. Especies but a LO of harvest. urther. Sprud screen could be did not get a 2 and 3 has we submitted	ally if the WS S break of sor se along road be maintaine the cut over p	die. V me sol is infe ed. Are photos ed. LP	antities to maintain an Would prefer to harvest rt could be left. To be cted with budworm. He around plots 2 and 3 antil after we submitted did not get the cut over escription.	d	X X X X
														1

Valley River - VLR-213

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: VLR-229 Twp & Rge: t28r27w Cut Block Size: 36.7 ha **OPERATING AREA: Valley River** Ownership: Open Crown Mapsheet: 350570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS BF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 3,938 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 2,520 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ-50 Located along the E side. Variable MFZ to 50m buffer. Harvest as shown on map Flood MFZ Located on the W side. Structure will be maintained. Harvest as shown on map. 15-50 Wetland Located on the S side. Variable 15 to 50m buffer. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 293 to 440 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block is in an area affected by Spruce Budworm. Harvest is being accelerated to capture volume before White Spruce trees die. This block has not been surveyed. The volume information is based on surveyed blocks in the area. Valley River



				RE	NEV	VAL PR	ESCRIP1	TION INF	ORMATIC	N					
RENEV Species	VAL STRA	ATEGY BY Advanced				SITI PREF. A	E PREPAR	RATIONS			SNOV		CHE:		
TA BA WB WS BS JP BF						x	DRAG MOUN TRENG	D CH ER RIPPER					ATV HELICOPTER TRUCK		
					г						_	_			
Veer		iteprep Sum		Altowasta	-	V		lanting Su	1	T-4-1	_	H	Survey Sur		Voor
Year		ction	Area (ha)	Alternate	ŀ	Year	Season	Species	Density	Total		\vdash	Type Plantation Survival	Series First	Year 2025
					L							\vdash	Regeneration	First	2034
RENEWAL	СОММЕ	NTS/ISSUE	ES:									L	- togonoration	1 1130	2004
					ESC	RIPTIO	N REVIE		MITIGATIO						
		_	NAL REVIEV	V				E	(TERNAL F						
			LANNING ILDLIFE					<u> </u>	-	TED TO IF					
		H_{s}	LVICULTURE	Ē				L] ALL IRM	T CONCE	:RNS N	/IIIIG	ATED		
IRMT Concer	rns and Com						Mitigati	ion Strategy	:						Mitigated

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Fax: 204-734-3646 Cut Block Name: VLR-235 Twp & Rge: t28r27w Cut Block Size: 41.3 ha **OPERATING AREA: Valley River** Ownership: Open Crown Mapsheet: 340570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % m3/ha Understory Stems/ha and Distribution 22.3 31 94% 208 8,575 TA ws BS BF ВА 23.5 26 1% 48 27 **WB** 0% 0 0 Clumped Total HW 94% 209 8,623 **Eco Land Classification Soils Summary** WS 19.8 31 514 6% 12 1st 2nd 3rd BS 0% LFH(cm) Moisture 0 S-Type **Surface Texture** 0 JP 0% 0 0 08 01 V Type 05 04 Loam **S3** BF 0% 0 0 **Eco Site** 22 12 S8 2 Silty Sand Total SW 6% 12 514 **Block Total:** 221 9,137 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 8,192 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 488 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS Wetland MFZ-15 Located on N, E and W sides. Varible MFZ to 15m buffer. Harvest as shown on map. Floods are expanding. Farmland Located on the W side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 330 to 495 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Approximately 5 ha's of this block have been flooded since the block was designed. Floods are expanding Maintain a maximum of 8 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible.

Valley River

FML 3 2023 - Harvest

			RE	NEWAL	PRES	CRIPT	TION INF	ORMATIC	ON				
RENEWAL S	TRATEGY B	Y SPECIES			SITE PI	REPAR	ATIONS		SN	ow c	ACHE:		
Species Natu		d Assisted			. ALT.						L COVERTYPE: H		
TA X	l A	П		Н		DRAG MOUNI	n		RE	NEW	AL ACCESS		
WB X	┨	H		H	Н	TRENC				П	ATV		
ws	х					WINTE	R RIPPER				HELICOPTER		
BS						AREA I	PLANT				TRUCK		
JP BF	H	Н											
вг		Ш											
	Siteprep Su					P	lanting Sui	nmary	_] [Survey Sur		
Year	Action	Area (ha)	Alternate	Ye	ar S	eason	Species	Density	Total	↓ ⊦	Туре	Series	Year
										J L	Reforestation	First	2028
RENEWAL COM	IMENTS/ISSU	JES:											
				ESCRIP	TION F	REVIE		IITIGATIO					
	INTER	RNAL REVIEW					EX	TERNAL I	REVIEW				
		PLANNING					х	-4	TED TO IRM				
		WILDLIFE					х	ALL IRM	IT CONCERN	S MITI	GATED		
RMT Concerns and		SILVICULTURE				Mitigati	on Strategy:						Mitigate
Discuss leaving		round features h	ov plote 7 to 11	R 13					ded by beaver	e en th	ne surviving areas will b	<u> </u>	- 1 _
and S of 12.			y pioto / to 11,	U, 1J		harve	sted before	it is lost.				C	X
Crossing info re									al roads and s	tructure	es.		X
Viusal screen o		NW of plot 14.				_		Z will be ad	ded.				
Ensure 300 m L	OS for elk.					Agree	ed.						х
					\/-!! <u>-</u>	River - VLR	2005						_

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 Cut Block Name: VLR-804 Twp & Rge: t29r26w Cut Block Size: 35.0 ha **OPERATING AREA: Valley River** Ownership: Open Crown Mapsheet: 350570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution 20.3 29 59% 135 4,734 TA 73 ws BS BF 29 10 BA 20.3 4% 357 344 Uniform **WB** 0% 0 0 Total HW 63% 146 5,091 **Eco Land Classification Soils Summary** WS 17.8 27 2.968 78 85 1st 2nd 3rd BS 0% LFH(cm) 0 S-Type Moisture **Surface Texture** 0 JP 0% 0 n 08 V Type 13 09 Loamy Sand **S5** BF 0% 0 0 **Eco Site** 23 Total SW 37% 2,968 85 **Block Total:** 230 8,059 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 4,837 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 2,820 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS Wetland MFZ Located on the W side. Structure will be maintained. Harvest as shown on map. Lake 50 2 South Angling Lake located on the S side. Harvest as shown on map. 15-50 Stream Jump Creek located along the NE side. Variable 15 to 50m buffer. Harvest as shown on map. 15-100 Located on the SE side. Variable 15 to 100m buffer. Harvest as shown on map. Stream WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 280 to 420 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block is in an area affected by Spruce Budworm. Harvest is being accelerated to capture volume before White Spruce trees die. Maintain existing trail that runs through the center of the block free of debris. Trail is used by Snowman.

Valley River

LDING SOLUTIONS Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

West side of block being planted, ensure ATV access for seedling delivery. PRESCRIPTION REVIEW AND MITIGATION INTERNAL REVIEW EXTERNAL REVIEW X PLANNING WILDLIFE SILVICULTURE X ALL IRMT CONCERNS MITIGATED	RENEWAL STRATEGY BY SPECIES	SITE P	PREPARATIONS		SNOW	CACHE:					
RENEWAL ACCESS WB W	Species Natural Advanced Assisted	PREF. ALT.			RENEV	WAL COVERTYPE: N					
Siteprep Summary Year Action Area (ha) Alternate Year Season Species Density Total 2023 Sp WS 1800 32040 Regeneration First 2024 Regeneration First 2024 Regeneration First 2033 Research Regeneration Research Research Research Research Resear	BA X WB WS X X X BS	x	MOUND TRENCH WINTER RIPPER		[X ATV HELICOPTER					
Siteprep Summary Year Action Area (ha) Alternate Year Season Species Density Total Density Total Type Series Year Plantation Survival First 2024 Regeneration First 2033 Plantation Survival First 2024 Regeneration First Plantation Survival First Plantation Survival First Plantation Survival First Plantat	\vdash \vdash \vdash										
Year Action Area (ha) Alternate	BF										
Year Action Area (ha) Alternate	Siteprep Summary		Planting Sur	marv	1	Survey Su	ımmarv				
RENEWAL COMMENTS/ISSUES: Plantation Survival First 2024 Regeneration First 2033		ternate Year			Total			Year			
RENEWAL COMMENTS/ISSUES: West side of block being planted, ensure ATV access for seedling delivery. PRESCRIPTION REVIEW AND MITIGATION INTERNAL REVIEW X PLANNING X SUBMITTED TO IRMT on 9/15/21 X WILDLIFE X WILDLIFE X SILVICULTURE IRMT Concerns and Comments: Mitigation Strategy: Mitigation Strategy: Mitigate Missing forest renewal information. Minimal access to be left for planting. See operating area gereral comments. Renewal information shows on LP copy of the prescription. Agreed. Agreed. Agreed. Agreed. X Agreed.							First	2024			
INTERNAL REVIEW X	RENEWAL COMMENTS/ISSUES: West side of block being planted, ensure ATV acce	ess for seedling delivery.				Regeneration	First	2033			
X PLANNING X X SUBMITTED TO IRMT on 9/15/21 X ALL IRMT CONCERNS MITIGATED											
WILDLIFE SILVICULTURE Mitigation Strategy: Mitigate Mitigate Minimal access to be left for planting. See operating area gereral comments. Increase distance between ARL-041 and this block to 100m. Appears to be 80m. MIDLIFE SILVICULTURE Mitigation Strategy: Mitigation Strategy: Mitigation Strategy: Mitigate Agreed. Agreed. Agreed. Agreed. Agreed.	INTERNAL REVIEW				1.4						
Missing forest renewal information. Minimal access to be left for planting. See operating area gereral comments. Increase distance between ARL-041 and this block to 100m. Appears to be 80m. Renewal information shows on LP copy of the prescription. Agreed. X Agreed. X	X PLANNING X WILDLIFE		EX.	TERNAL R							
Minimal access to be left for planting. See operating area gereral comments. Increase distance between ARL-041 and this block to 100m. Appears to be 80m. Agreed. X			х	SUBMITT	EVIEW ED TO IRMT on						
	IRMT Concerns and Comments:		x	SUBMITT	EVIEW ED TO IRMT on			Mitigate			

RENEWAL PRESCRIPTION INFORMATION

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Cut Block Name: VLR-805 Twp & Rge: t29r26w Cut Block Size: 9.2 ha **OPERATING AREA: Valley River** Ownership: Open Crown Mapsheet: 350570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Ht (m) Vol % Avg Age (yr) Understory Stems/ha and Distribution 20.8 38 48% 65 595 TA ws BS ВF ВА 30 29% 39 357 18.3 33 **WB** 0% 0 0 Clumped Total HW 77% 104 952 **Eco Land Classification Soils Summary** WS 14.0 30 285 23% 31 1st 2nd 3rd BS 0% LFH(cm) 0 0 S-Type Moisture Surface Texture JP 0% 0 0 05 V Type 08 06 Sandy Loam **S5** BF 0% 0 0 **Eco Site** 33 Total SW 23% 285 31 **Block Total:** 135 1,237 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 904 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 271 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS MFZ Jump Creek located on the W side. Flooding has killed trees along creek. Large riparian area along creek. Harvest as shown on map. Stream Lake 30-100 East Angling Lake located on the E side. Variable 30 to 100m buffer. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 73 to 110 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** This block is in an area affected by Spruce Budworm. Harvest is being accelerated to capture volume before White Spruce trees die.

Valley River

FML 3 2022 - Harvest

	RENEWAL PRESCRIPTION INFORMATION	
RENEWAL STRATEGY BY SPECIES	SITE PREPARATIONS	SNOW CACHE:
Species Natural Advanced Assisted	PREF. ALT.	RENEWAL COVERTYPE: H
TA	DRAG MOUND TRENCH WINTER RIPPER AREA PLANT	ATV HELICOPTER TRUCK
Citanean Summanu	Planting Summan	Suprov Summary
Siteprep Summary Year Action Area (ha) Alte	Planting Summary ernate Year Season Species Density 1	Survey Summary Total Type Series Year
Teal Action Alea (na) Alea	Teal Season Species Delisity	Reforestation First 2027
_	DRESCRIPTION REVIEW AND MITICATION	
INTERNAL REVIEW	PRESCRIPTION REVIEW AND MITIGATION	=w
INTERNAL REVIEW X PLANNING X WILDLIFE X SILVICIJI TURE	EXTERNAL REVIE X SUBMITTED 1	EW TO IRMT on 9/15/21 NCERNS MITIGATED
x PLANNING	EXTERNAL REVIE X SUBMITTED 1	ΓΟ IRMT on 9/15/21

Valley River - VLR-805



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Integrated Operations by Operating Area

Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

Vimy Ridge FMU 13

WIO 13			Villy Riuge
VMR-004	23.80 Hectares		2023 Contingency
HW Allocation	3,165 m3	LP	
SW Allocation	1,618 m3	SPL	
VMR-005	59.96 Hectares		2023 Contingency
HW Allocation	7,975 m3	LP	
SW Allocation	4,077 m3	SPL	
VMR-006	32.21 Hectares		2022 Harvest
HW Allocation	500 m3	Quota Holder/LP	
SW Allocation	100 m3	SPL	
VMR-801	59.37 Hectares		2023 Harvest
HW Allocation	0 m3	LP	
SW Allocation	10,204 m3	SPL	
VMR-802	44.38 Hectares		2023 Harvest
HW Allocation	0 m3	LP	
SW Allocation	7,126 m3	SPL	
VMR-803	72.08 Hectares		2023 Harvest
HW Allocation	0 m3	LP	
SW Allocation	6,900 m3	SPL	
VMR-831	48.37 Hectares		2022 Harvest
HW Allocation	4,053 m3	Quota Holder/LP	
SW Allocation	5,356 m3	SPL	
VMR-832	19.81 Hectares		2022 Harvest
HW Allocation	54 m3	Quota Holder/LP	
SW Allocation	687 m3	SPL	
VMR-837	93.79 Hectares		2023 Contingency
HW Allocation	1,501 m3	Quota Holder/LP	
SW Allocation	11,724 m3	SPL	
VMR-840	69.29 Hectares		2023 Contingency
HW Allocation	1,109 m3	Quota Holder/LP	
SW Allocation	8,661 m3	SPL	
VMR-844	76.64 Hectares		2023 Contingency
HW Allocation	1,142 m3	SPL	
SW Allocation	8,919 m3	SPL	
VMR-849	26.40 Hectares		2023 Contingency
HW Allocation	413 m3	LP	
SW Allocation	3,328 m3	SPL/Tembec	

FML 3	2022 - 2024	OP



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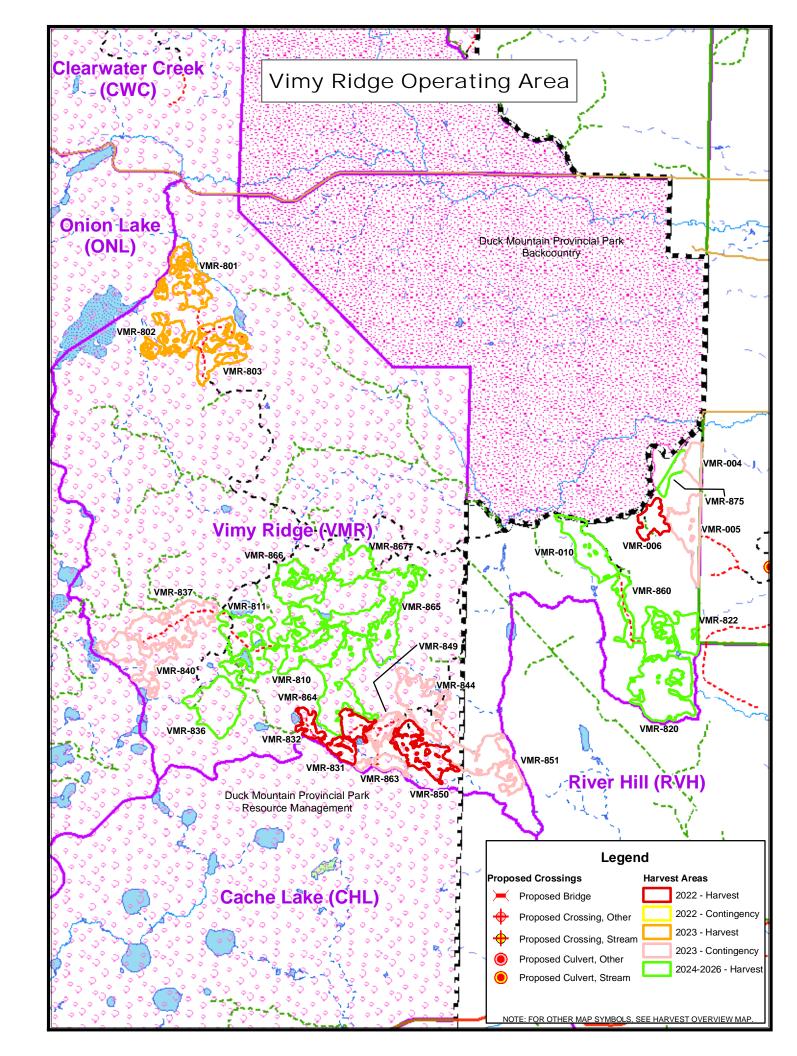
Integrated Operations by Operating Area

Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

FMU 13 Vimy Ridge

VMR-850	69.65 Hectare	s	2022 Harvest
HW Allocation	581 m3	LP/SPL	
SW Allocation	2,029 m3	SPL	
VMR-851	81.65 Hectare	s	2023 Contingency
HW Allocation	1,306 m3	LP	
SW Allocation	10,206 m3	SPL	
VMR-863	21.51 Hectare	s	2023 Contingency
HW Allocation	334 m3	Quota Holder/LP	
SW Allocation	2,610 m3	SPL	



Roads Vimy Ridge

VN	/IR-1A a	nd 1B (exi	sting)		Additio Comme		d Develo	pment	
Road D	evelopn	<u>nent:</u>					part of t	he mair	n access to the Vimy Ridge blocks.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespa of Roa (yrs)					
10.2	20	8	Dry/Frozen	15					
Road De	eactivati	on:	į	2 C .	ω п п	_	S	_	
Road Clos Responsi				and Debris Crossing Removal	Earth Berm Slash	Gate	Site Prep	None	Additional Road Closure Comments
SPL		Post-Ha Post-Rer				V			These roads are required for future harvest and will remain open. A berm will be placed at the existing gate location to restrict access. The existing gate is near the hydro line.
•	VMR-1A	-4A (existi	ng)		Additio Comme		d Develo	pment	
Road D	evelopn	nent:					ses blocl	k VMR-	006.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespa of Road (yrs)					
0.3	20	8	Dry/Frozen	5					
Road De	<u>eactivati</u>	on:	į	R C D	σпп	•	Sit	7	
Road Clo Responsi				and Debris Crossing Removal	Earth Berm Slash	Gate	Site Prep	None	Additional Road Closure Comments
Medwid		Post-Ha Post-Rer							This road will be required for many years of quota harvest. A berm will be placed at the start of the road between harvest seasons.
,	VMR-1B	-1A (existi	ng)				d Develo	pment	
Road D		<u> </u>			Comme This roa		s the hvd	lro line a	and was used in 1997 to access VM-22. It is part
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespa of Roa (yrs)	of the a				1, 832, 844, 849, 850, 851 and 863.
0.4	20	8	Dry/Frozen	15					
Road De	<u>activati</u>	on:	;	R C	σ шш	_	Sit	7	
Road Clos Responsi			2	and Debris Crossing Removal	Earth Berm Slash	Gate	Site Prep	None	Additional Road Closure Comments
SPL		Post-Ha Post-Rer						✓	This is an existing hydro line and will remain open.

VMR-1B-1B to 1B-1C (existing) Additional Road Development Comments Road Development: These roads were built in 2018 and access blocks VMR-844 and 849 and are part of the access to blocks VMR-831, 832, 850, 851 and 863. Road **ROW** Season of Lifespan Road Length Width **Surface** of Road Use (km) Width (m) (yrs) (m) 3.4 20 8 Dry/Frozen 15 Road Deactivation: Site Prep **Additional Road Closure Road Closure** Comments Responsibility Post-Harvest SPL The first 100m will be closed with debris after Post-Renewal renewal. A berm will also be placed at the start of the road. ATV access is required for renewal purposes. **Additional Road Development** VMR-1B-1C-1A (existing) Comments Road Development: This road was built in 2019 and is part of the access to block VMR-851 and the small patch remaining on the east side of VMR-850. ROW Road Road Season of Lifespan Length Width **Surface** Use of Road Width (m) (km) (m) (yrs) 0.3 15 6 Frozen 5 Road Deactivation: Site Prep Slash and Debris Earth Berm None **Additional Road Closure Road Closure** Comments Responsibility Post-Harvest This road will be closed with debris at selected SPL **~** Post-Renewal locations in block VMR-844. ATV access is required for renewal purposes. **VMR-1B-1C-1B** Additional Road Development Comments Road Development: This road accesses block VMR-851and the small patch remaining on the east side of VMR-850.. Road ROW Road Season of Lifespan Width Surface Use of Road Length (yrs) (km) (m) Width (m) 0.6 15 6 Frozen 1 Road Deactivation: Site Prep **Additional Road Closure Road Closure** Comments Responsibility **Post-Harvest** SPL This road will be closed with debris at selected Post-Renewal locations in block VMR-852. ATV access is required for renewal purposes. Additional Road Development VMR-1B-1C-2A (existing) Comments **Road Development:** This road accesses the north portion of block VMR-850. **ROW** Road Road Season of Lifespan Length Width Surface of Road Use (km) (m) Width (m) (yrs)

Frozen

1

6

1.2

15

Road De	<u>activati</u>	<u>on:</u>	;	Σū	П (0			<u>s</u>	_	
Road Clos Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
SPL		Post-Har Post-Rene	<u> </u>		✓					This road will be closed at selected locations in block VMR-849. ATV access is required for renewal and survey purposes.
	VM	R-1B-1D		1		Addition		d Develo	pment	
Road De	evelopn	nent:				Comme This road		ses block	s VMR	-831 and 832 and is part of the access to block
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	fespan f Road (yrs)	VMR-86	3.			
2.7	15	6	Frozen		2					
Road De	<u>activati</u>	on:	į	ر ا	σ.	m M		Sit	7	
Road Clos Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
SPL		Post-Har Post-Rene			✓					This road will be closed with slash and debris at selected locations in blocks VMR-849 and 831. ATV access is requried for renewal purposes.
	VMR	-1B-1D-1A				Addition Comme		d Develo	pment	
Road De	<u>evelopn</u>	<u>nent:</u>		_				ses block	VMR-8	363.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	fespan f Road (yrs)					
1.0	15	6	Frozen		1					
Road De	activati	on:	;	ΣΩ	D (0			<u>s</u>	_	
Road Clos Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
SPL		Post-Har Post-Rene			✓					This road will be closed with slash and debris at selected locations in blocks VMR-849. ATV access is requried for renewal purposes.
VMR-1	1B-3A a	nd 1B-3B (e	existing)			Addition Comme		d Develo	pment	
Road De	evelopn	<u>nent:</u>						part of the	ne acce	ess to blocks VMR-801, 802 and 803.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	fespan f Road (yrs)					
4.1	20	8	Dry/Frozen		25					
Road De	<u>activati</u>	on:	;	န္က င္	σ σ	т П	_	Sit	7	
Road Clos Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
SPL		Post-Har Post-Rene				✓				These roads will remain open for future harvest. A berm will be placed at the start of the road.

VMR-1B-3B-1A (existing) Additional Road Development Comments Road Development: This road is part of the access to blocks VMR-801, 802 and 803. Road **ROW** Season of Lifespan Road Length Width **Surface** Use of Road (km) Width (m) (yrs) (m) 4.3 15 6 Frozen 25 Road Deactivation: Site Prep **Additional Road Closure Road Closure** Comments Responsibility Post-Harvest SPL This road will be closed at selected locations in Post-Renewal blocks VMR-806 and 817 which were harvested in 2017. ATV access is required for renewal and survey purposes. **Additional Road Development** VMR-1B-3B-1B-1A Comments Road Development: This road accesses block VMR-802. ROW Road Road Season of Lifespan Length Width **Surface** Use of Road Width (m) (yrs) (km) (m) 0.2 15 6 Frozen 1 Road Deactivation: Site Prep Slash and Debris Earth Berm None **Additional Road Closure Road Closure** Comments Responsibility Post-Harvest SPL The first 50m of this road will be closed with Post-Renewal slash and debris. ATV access is required for renewal and survey purposes. VMR-1B-3B-1B-2A Additional Road Development Comments **Road Development:** This road accesses the island portions of VMR-803. Road ROW Road Season of Lifespan Width Surface Use of Road Length (km) (m) Width (m) (yrs) 1.0 15 6 Frozen 1 Road Deactivation: Site Prep **Additional Road Closure Road Closure** Comments Responsibility **Post-Harvest** SPL The first 50m of this road will be closed with Post-Renewal slash and debris. ATV access is required for renewal and survey purposes. Additional Road Development VMR-1C and 1D (existing) Comments **Road Development:** These roads are part of the access to blocks VMR-837 and 840. Road **ROW** Road Season of Lifespan Length Width Surface of Road Use (km) (m) Width (m) (yrs)

Frozen

25

6

3.4

15

Roau De	eacuvau	<u>1011:</u>		ᇫᄋ	П (0			Site	_	
Road Clo Respons				Crossing Removal	Slash and Debris	Earth Berm	Gate	te Prep	None	Additional Road Closure Comments
SPL		Post-Ha Post-Rei							✓	These roads will remain open for renewal and future harvest.
	VMR	R-1D-1A-3A	\			Addition Comme		d Develo	pment	t
Road D	evelopn	nent:				This roa	d acces	ses block	ks VMR	R-837 and 840.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season o	o	fespan f Road (yrs)					
2.1	15	6	Frozen		2					
Road De	<u>eactivati</u>	ion:		Re	و م	ωп	0	Sit	z	
Road Clo Respons				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
SPL		Post-Ha Post-Rei			✓					This road will be closed with slash and debris at selected locations in block VMR-837. ATV access is required for renewal and survey purposes.

PRE-HARVEST CUT BLOCK PRESCRIPTION

Cut Block Name: VMR-004			Twp &	Rge: t32r23	v			Cut	Block	Size: 23.8	ha		
OPERATING AREA: Vimy Ridge			Owner	rship: Open	Crown			Мар	osheet:	380573			
LICENCE: FML 3			Manag	gement Unit:	13			Lan	d Statu	s:			
		PRE-H	ARVEST S	SURVEY INF	ORMA	TION							
Species Avg Age (yr) Avg Ht (m) Avg DBH (cm)	Vol %	m3/ha	Vol (m3)			Understo	ry Ste	ems/ha a	and Distr	ibution			
TA BA	0% 0%	0	0		ws			BS			BF		
WB	0%	0	0										
Total HW WS	0% 0%	0	0	Eco La	nd Class	sification				Soils Sumn	nary		
BS	0%	0	0		1st	2nd 3rd	ַן בַ	FH(cm)		Moisture	Surface Texture		
JP BF	0% 0%	0 0	0	V Type			40						
Total SW	0%	0	0	Eco Site			╛						
Block Total:		0	0	Cover Type:	IBV	VC Cnt: 0							
	Н	ARVES	ST PRESC	RIPTION IN	FORM	ATION							
HARDWOOD ALLOCATION: LP							IVDU	WOOD V	/OLUME	: (m3): <mark>3,16</mark>	5		
SOFTWOOD ALLOCATION: SPL													
SOFTWOOD ALLOCATION: SPL HARVEST SEASON HARVEST/SILVICULTURE SYSTEM SOFTWOOD VOLUME (m3): 1,618 SOFTWOOD VOLUME (m3): 1,618													
HARVEST SEASON HARVEST/SILVICULTURE SYSTEM SLASH ABATEMENT ALL SEASON X CLEARCUT SHELTERWOOD WHOLE TREE													
FROZEN SELECTION X UNDERSTOREY PROTECTION PILE & BURN													
X DRY/FROZEN SEED TREE AVOIDANCE WLF DEBRIS PILE													
H	SALV			_	CH RETE	ENTION		İ			TOP AT STUMP		
BUFFER INFORMATION				DES	GNATE	SKID TRAI	LS	-					
FEATURE WIDTH (m) DETAILS									١	NOTE: IBW	C = In Block Water Course		
0													
WILDLIFE TREE RETENTION: As per Standard Ope SEVERE EROSION RISK POTENTIAL: X	erating (Guidlines	leave appro	oximately 190 to	286 tre	es.							
SEVERE EROSION RISK POTENTIAL: X HARVEST COMMENTS/ISSUES:	J												
This block has not been surveyed. The volume inform	otion io	based o	n aunyayad k	alooka in the or	20								
This block has not been surveyed. The volume inform	ation is	baseu o	ii surveyeu i	JIOCKS III LITE AI	sa.								



	RENEWAL PRESCRIPTION INFORMATION	
RENEWAL STRATEGY BY SPECIES	SITE PREPARATIONS	SNOW CACHE:
Species Natural Advanced Assisted	PREF. ALT.	RENEWAL COVERTYPE: H
та ППП	DRAG	
ва 🗍 🗍	MOUND	RENEWAL ACCESS
WB	TRENCH	ATV
ws	WINTER RIPPER	HELICOPTER
BS	X AREA PLANT	TRUCK
JP		
BF L L		
Siteprep Summary	Planting Summary	Survey Summary
Year Action Area (ha) Alternat		Total Type Series Ye
		Plantation Survival First 202
		Regeneration First 203
ENEWAL COMMENTS/ISSUES:		
	PRESCRIPTION REVIEW AND MITIGATION	
INTERNAL REVIEW	PRESCRIPTION REVIEW AND MITIGATION EXTERNAL REV	(IEW
	EXTERNAL REV	ILVV
x PLANNING	SUBMITTED	TO IRMT on
X WILDLIFE	ALL IRMT C	ONCERNS MITIGATED
X SILVICULTURE		
RMT Concerns and Comments:	Mitigation Strategy:	Miti

PRE-HARVEST CUT BLOCK PRESCRIPTION

	Ut Block Name: VMR-005 Twp & Rge: t32r23w Cut Block Size: 60.0 ha OPERATING AREA: Vimy Ridge Ownership: Open Crown Mapsheet: 380573 LICENCE: FML 3 Management Unit: 13 Land Status:													
LICEN	ICE: FML 3					Manag	jement Unit:	13		Land	Status:			
					PRE-HA	ARVEST S	SURVEY INF	ORMATIO	N					
Species	Avg Age (yr)	Avg Ht (m)	Avg DBH (cm)	Vol %	m3/ha	Vol (m3)		U	nderstor	y Stems/ha and	l Distrib	ution		
TA BA				0% 0%	0	0		ws		BS			BF	
WB				0%	0	0								
Total HW	1			0%	0	0	Eco La	nd Classifica	tion		So	ils Sumn	nary	
WS BS				0% 0%	0	0		1st 2n	d 3rd	LFH(cm) S		Moisture	Surface Texture	
JP				0%	0	0	V Type			(, , , ,	7,1			
BF Total SW	1			0% 0%	0	0	Eco Site							
Block To					0	0	Cover Type:	івwc c	nt: 0					
			Ī		A D\/E	T DDESC		EODMATI	ON.					
				П	ARVES	OI PRESC	RIPTION IN	FURIMATI	JN					
	HARDWOOD									ARDWOOD VO				
	SOFTWOOD	ALLOCATI	ON: SPL						SC	OFTWOOD VOI	_UME (n	n3): 4, <mark>07</mark> 7	7	
HAI	RVEST SEAS	SON			HAI	RVEST/SIL	VICULTURE	SYSTEM			SL	ASH AB	ATEMENT	
	ALL SEASON	1	x	CLEA	RCUT		SHELTERWOO	D			WHO	LE TREE		
FROZEN SELECTION X UNDERSTOREY PROTECTION PILE & BURN														
X DRY/FROZEN SEED TREE AVOIDANCE WLF DEBRIS PILE													PILE	
				SALV	AGE			CH RETENTION			WHO	LE TREE	TOP AT STUMP	
BUFFER	INFORMAT	ION					DESI	GNATED SK	ID TRAIL	S				
FEAT	TURE	WIDTH (m)	DETAILS								NO	TE: IBW	C = In Block Water Course	
1 Epher	meral Drain	15	Located on the SW	side. Flag	as showr	on map.								
EVERE I	TREE RETIEROSION RICOMMENT	SK POTEN		_	Guidlines	leave appro	oximately 480 to	o 720 trees.						
This bloc	k has not bee	n surveyed.	The volume infor	mation is	based o	n surveyed l	olocks in the are	ea.						



				RE	NEWAL	PRESC	RIPTION	INFO	RMATIO	N				
RENEW Species	VAL STRA	ATEGY BY Advanced			S PREF.		PARATIO	NS				CACHE:	1	
TA BA WB WS BS JP BF					x	DF M0 TF	RAG DUND RENCH NTER RIP REA PLANT					ATV HELICOPTER TRUCK		
											\neg	0	. 0	
Vaar		iteprep Sum		Altamata			Planting			T-4-1	\dashv		Summary	Voor
Year	 	Action	Area (ha)	Alternate	Yea	r Sea	son Spe	cies	Density	Total	-	Type Plantation Surviv	Series al First	Year 2025
												Regeneration	First	2023
RENEWAL	COMME	NTS/ISSUE	ES:									Regeneration	riist	2034
		X PL	NAL REVIEV LANNING ILDLIFE LVICULTURE	v	ESCRIPT	ION RE	VIEW AN	EXTE	ERNAL R	EVIEW ED TO IR		ITIGATED		
IRMT Concer	ns and Com	nments:				М	tigation Stra	ategy:						Mitigate

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Cut Block Name: VMR-006 Twp & Rge: t32r23w Cut Block Size: 32.2 ha **OPERATING AREA: Vimy Ridge** Ownership: Open Crown Mapsheet: 380573 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Age (yr) Avg Ht (m) m3/ha Vol (m3) Understory Stems/ha and Distribution 20.1 31 68% 139 4,483 TA ws BS ВF BA 0% 0 0 Uniform 14 1186 **WB** 55 20.3 25 15% 30 963 Clumped Total HW 82% 169 5,446 **Eco Land Classification Soils Summary** WS 97 16.0 32 290 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type Moisture Surface Texture 0 JP 104 20.0 27 7% 14 443 05 V Type 08 13 03 Sandy Clay Loam S₂ BF 16.8 26 14 445 **Eco Site** 32 Total SW 18% 37 1,178 **Block Total:** 206 6,624 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Quota Holder/LP HARDWOOD VOLUME (m3): 500 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 100 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION FROZEN** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course WIDTH (m) DETAILS FFATURE WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 258 to 387 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Areas of blow down in block. Merchantable trees will be salvaged if possible. Block to be cut from back to front starting with south half, west of trail, small areas each yr This block may be harvested by a quota holder (Medwid). If harvested by a quota holder harvest will start at the south end of the block. This block should have enough volume for at least 5 years. BF should be avoided as much as possible, retain in windfirm patches.

Vimy Ridge

FML 3 2022 - Harvest

				RE	NE	WAL PR	ESCRIPT	ION INF	ORMATIO	N				
RENEW	VAL STR	ATEGY BY	SPECIES			SITE	E PREPAR	ATIONS		SN	iow c	ACHE:		
Species	Natural	Advanced	Assisted			PREF. A	LT.			RE	NEWA	L COVERTYPE: H		
TA	х						DRAG			D		AL ACCESS		
ВА							MOUN	D		RI	NEW.	AL ACCESS		
WB	x					$\sqcup \sqcup$	TRENC					ATV		
ws		х				\sqcup	_	R RIPPER				HELICOPTER		
BS	Ш	H	Н				AREA	PLANT				TRUCK		
JP	×	H	Н											
BF	Ш	Ш												
	S	iteprep Sun	nmary				Р	lanting Sur	nmary] [Survey Su	ımmary	
Year	, A	Action	Area (ha)	Alternate		Year	Season	Species	Density	Total] [Туре	Series	Year
] L	Reforestation	First	2028
DENEMAL	001111	NT0//00/									_			
RENEWAL	. COMME	NTS/ISSUE	ES:											
				PR	ES	CRIPTIO	N REVIE	W AND N	IITIGATIO	N				
		INTER	NAL REVIEW	I				EX	TERNAL R	EVIEW				
		X PL	LANNING						1 сприт	TED TO IRM	C on 40	149140		
			/ILDLIFE					X		Γ CONCERN				
			ILVICULTURE					<u> </u>	ALL IKIVI	I CONCERN	S WILL	GATED		
IRMT Concer	ns and Con						Mitigati	on Strategy:						Mitigate
							Mitigati	on on alegy.						
Block to b	be cut from	back to from	nt starting with	south half, we	st of	:	Agree	d						x
trail, sma	II areas ea	ich yr	as possible in	windfirm notah			Agree	d						
DF SHOUL	u be avolu	eu as much	as possible in	willullilli patci	165.		Agree	u						x
1														
1														
1							1							1

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Name: VMR-801 Twp & Rge: t32r24w Cut Block Size: 59.4 ha **OPERATING AREA: Vimy Ridge** Ownership: Open Crown Mapsheet: 370573 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION m3/ha **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Vol (m3) Understory Stems/ha and Distribution 0% 0 0 TA ws BS BF ВА 0% 0 0 790 Uniform **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 83 14.2 15 83% 150 8.921 S-Type Moisture LFH(cm) Surface Texture JP 86 15.6 20 17% 31 1,820 28 27 V Type 30 Clay Loam 09 **S10** BF 0% 0 0 **Eco Site** 53 36 40 S12F Clay Loam Total SW 100% 10,741 181 **Block Total:** 181 10,741 Cover Type: S IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 10,204 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS 30-40 Stream Pine River located on the W side. Variable 30 to 40m buffer. Harvest as shown on map. 30-100 Located on the E side. Variable 30 to 100m buffer. Harvest as shown on map. Stream WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 475 to 712 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Most of the JP is infected with Western Gall Rust. Avoid leaving JP in WLTP's and buffers if feasible. Maintain a maximum of 11 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible.

FML 3 2023 - Harvest

			RENE	WAL F	PRESC	CRIPT	ION INF	ORN	MATIO	N						
RENEWAL STRA	TEGY BY SP	PECIES		SI	ITE PR	EPAR	ATIONS				SNOW	CAC	не: Г	1		
Species Natural	Advanced As			PREF.							RENEV	VAL (COVERTY	PE: S		
та				П		DRAG										
ва	\Box	Ħ		П	П	MOUNI)				RENE	WAL	ACCESS	;		
WB						TRENC	Н				[:	x ,	ATV			
ws					Ш '	WINTE	R RIPPER	2				x	HELICOP [*]	ΓER		
BS		х		Х	<u></u>	AREA F	PLANT						TRUCK			
JP X	ΗΙ	Ц														
BF																
Sit	eprep Summa	ary				PI	anting Su	ımmaı	ry				s	urvey Sun	nmary	
Year Ac	tion	Area (ha)	Alternate	Year	r Se	eason	Species	De	ensity	Total			Тур	е	Series	Year
				2024		Sp	BS	2	2000	810	000		Plantation	Survival	First	2025
													Regener	ation	First	2033
RENEWAL COMMEN	TS/ISSUES:															
Areas of BS underst							ortions of	the b	lock (plo	ots 1,3,7,9	,11,17 8	& 23).	Merchant	able		
trees will be harvest						cnes.										
Ensure ATV access	and areas or r	no debris on re	Jau for fielicope	a landing	JS											
			PRES	CRIPT	ION R	EVIEV	V AND I	MITIC	GATIO	N						
	INTERNAL	L REVIEW							RNAL R							
							_	_								
	_	INING					<u> </u> 2	_		ED TO IR						
	X WILD						L	∢ Al	LL IRM1	CONCE	RNS MI	ITIGA	TED			
	_	ICULTURE														
IRMT Concerns and Comm	nents:					Mitigation	on Strategy	<i>/</i> :								Mitigated
No road access to W	portion adjace	ent to Pine Cre	eek.			A cros	sing has r	not be	en ident	ified yet. (Crossing	g loca	ntion and ty	ype will be		х
						detern	nined at tir							lown a road		15
Minimum 30m buffer	for water avali	ity mitigation				this ar		it in In	wland D	C it will be	hoolth	v but	may not b	o boolthy		
Willimum 30m buller	ioi water quan	ity miligation.				otherw		IL IS IO	wianu b	S II WIII DE	nealing	y, but	may not b	e nealing		x
					- [
					- [
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LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Fax: 204-734-3646 Cut Block Name: VMR-802 Twp & Rge: t32r24w Cut Block Size: 44.4 ha **OPERATING AREA: Vimy Ridge** Ownership: Open Crown Mapsheet: 370573 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS BF ВА 0% 0 0 231 Uniform **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 95 16.9 17 82% 138 6.121 LFH(cm) Moisture S-Type Surface Texture JP 81 18.2 18 18% 31 1,379 32 V Type 28 80 Loamy Sand S₂ BF 0% 0 0 **Eco Site** 13 Total SW 100% 7,500 169 **Block Total:** 169 7,500 Cover Type: S IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 7,126 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ Pine River Lake located on the W side. Very large riparian zone. Structure will be maintained. Harvest as shown on map Lake Stream Located in center of block. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 355 to 533 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Most of the JP is infected with Western Gall Rust. Avoid leaving JP in WLTP's and buffers if feasible. Maintain a maximum of 9 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible.

Vimy Ridge

FML 3 2023 - Harvest

			RE	NEV	VAL PRE	ESCRIPT	ION INFO	ORMATIO	N					
RENEW	AL STRATEGY BY	SPECIES			SITE	PREPAR	ATIONS				CACHE:			
Species TA BA WB WS BS JP BF	Natural Advanced X	Assisted		F	PREF. AL	DRAG MOUNI TRENC	CH R RIPPER				NAL AC	COPTER		
	Siteprep Sum	marv		1 г		Pi	lanting Sun	nmary		7		Survey Su	mmarv	
Year	Action	Area (ha)	Alternate	╽╶┟	Year	Season	Species	Density	Total	-		Туре	Series	Year
		` '		1 1	2024	Sp	BS	2000	630	00	Plan	tation Survival	First	2025
	COMMENTS/ISSUE S understory >500 ste			, <u>,</u>								egeneration	First	2033
			PR	ESC	RIPTION	I REVIE	W AND M	ITIGATIOI	N					
	INTERN	AL REVIEW	1				EX	TERNAL RI	VIEW					
	x wii	ANNING LDLIFE .VICULTURE					x	SUBMITTI ALL IRMT						
IRMT Concerns	s and Comments:					Mitigati	on Strategy:							Mitigated
	t of north peninsula on			roads.		Will dr	rop the peni	nsula.						x

Vimy Ridge - VMR-802

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Fax: 204-734-3646 Cut Block Name: VMR-803 Twp & Rge: t32r24w Cut Block Size: 72.1 ha **OPERATING AREA: Vimy Ridge** Ownership: Open Crown Mapsheet: 370573 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS BF ВА 0% 0 0 483 Uniform **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 91 13.9 15 75% 109 7.871 LFH(cm) S-Type Moisture Surface Texture JP 82 15.3 17 25% 36 2,622 V Type BF 0% 0 0 **Eco Site** Total SW 100% 146 10,493 **Block Total:** 146 10,493 Cover Type: S IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 6,900 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ Located on the NE side. Structure will be maintained. Harvest as shown on map. Lake WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 577 to 865 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block was surveyed in 1998 and some of the data such as soils does not transfer to our new reporting system. Maintain a maximum of 14 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible. Approximately 30% of this block was harvested in 2018/19. The volumes shown indicate this.

Vimy Ridge

FML 3 2023 - Harvest

			RE	ΝE\	WAL PR	ESCRIPT	ION INFO	ORMATIO	N				
RENEW	AL STRATEGY BY	SPECIES			SITE	PREPAR	ATIONS		SNO	OW CA	ACHE:		
Species	Natural Advanced	Assisted			PREF. AL	LT.			REI	NEWAI	L COVERTYPE: S		
TA					ПГ	DRAG							
ВА	H	H			HF	MOUN	D		RE	NEWA	AL ACCESS		
WB	H	H			ΠГ	TRENC	Н			х	ATV		
ws	HH	H			ПF	WINTE	R RIPPER			х	HELICOPTER		
BS	н п	х			х	AREA I	PLANT			П	TRUCK		
JP	x	П				_							
BF													
	Siteprep Sum	—		1		D	lanting Sun			Г	Survey Sur	nmary	
Year	Action	Area (ha)	Alternate		Year	Season	Species	Density	Total	⊢	Type	Series	Year
- Tour	Action	Arca (na)	Alternate		2024	Sp	BS	2000	89760	⊢	Plantation Survival	First	2025
			<u> </u>	J		- Op		2000	09700	· ⊢	Regeneration	First	2034
RENEWAL	COMMENTS/ISSUE	S:								L			
Areas of	BS understory >500 st	tems/ha and <	<6m in height a	are lo	cated in the	e central po	rtion of the	block (plots	10, 19, 21, 26	, 33 an	nd 36). Merchantable		
	be harvested and unn												
Ensure A	ATV access and helicop	pter landings o	on sections of	road.									
			PR	ESC	RIPTIO	N REVIE	W AND M	ITIGATIO	N				
	INTERN	IAL REVIEW						TERNAL R					
	X PL	ANNING					T.	1 CLIDMITT	ED TO IRMT	on 0/0	14/47		
		LDLIFE					X	4					
	—	LVICULTURE					х	ALL IRIVIT	CONCERNS	S IVII I I C	5ATED		
IRMT Concern	ns and Comments:	LVIOOLIONE				Mitigati	on Strategy:						Mitigated
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Identify ac	ccess plan for isolated	stands.									d is viable and cost ess islands. May be		x
							ed at time o		iiii ciossiiigs i	io acce	ess islanus. May be		
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						1							

PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 Cut Block Name: VMR-831 Twp & Rge: t31r24w Cut Block Size: 48.4 ha **OPERATING AREA: Vimy Ridge** Ownership: Open Crown Mapsheet: 370572 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION Species Avg Ht (m) Avg DBH (cm) Vol % m3/ha Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 23.1 22% 45 2,154 TA 117 36 ws BS ВF 37 BA 21 7 5% 508 11 260 Uniform 300 Uniform **WB** 18.1 25 15% 31 1,482 70 Clumped Total HW 43% 86 4,144 **Eco Land Classification Soils Summary** 20.7 34 2.634 WS 54 1st 2nd 3rd BS 97 176 26 21% 42 2,034 LFH(cm) S-Type Moisture **Surface Texture** JP 20.2 25 8% 16 783 V Type 17 13 Sandy Loam 07 **S5** BF 0% 0 0 **Eco Site** 34 5,451 Total SW 57% 113 **Block Total:** 198 9,595 Cover Type: M IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Quota Holder/LP HARDWOOD VOLUME (m3): 4,053 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 5,356 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **UNDERSTOREY PROTECTION FROZEN SELECTION** PILE & BURN DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS MFZ Wetland Maintain structure along wetlands on E and W sides. Flag as shown on map. Wetland MFZ Located along N end of block. Structure will be maintained. Flag as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 387 to 580 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Area of BF understory >500 stems/ha and <6m in height is located in the central portion of the block (Plot 7). This area will be harvested with concentrated clumps of BF being maintained. Areas of BS understory >500 stems/ha are located in the N portion of the block (plots 9 and 17). Merchantable trees will be harvested and unmerchantable trees will be left unharvested in patches. Areas of WS understory >500 stems/ha and <6m in height are located in the S and N portions of the block (plots 5 and 13). Clumps of understory will be Maintain a maximum of 9 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible. Maintain structure along IBWC's located near plot 2 in the SE portion of the block and plots 10 and 15 in the W central portion of the block. Retain pure hardwood patches. Incidental harwood harvest for roads and landings.

Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

RENEWAL PRESCRIPTION INFORMATION **SNOW CACHE: RENEWAL STRATEGY BY SPECIES** SITE PREPARATIONS RENEWAL COVERTYPE: M PREF. ALT. **Species** Natural Advanced Assisted DRAG TA **RENEWAL ACCESS MOUND** BA X **TRENCH** WB Х **ATV** WINTER RIPPER Х **HELICOPTER** ws **AREA PLANT** TRUCK BS JР X BF **Survey Summary** Siteprep Summary **Planting Summary** Year Action Area (ha) Alternate Species Density Total Type Series Year Year Season First 2024 Plantation Survival 2023 Sp BS 2000 24480 WS Reforestation First 2033 2023 Sp 2000 36720 RENEWAL COMMENTS/ISSUES: ATV access required - will try to get ATV to block. PRESCRIPTION REVIEW AND MITIGATION **INTERNAL REVIEW EXTERNAL REVIEW PLANNING** SUBMITTED TO IRMT on 11/11/16 WILDLIFE X ALL IRMT CONCERNS MITIGATED SILVICULTURE **IRMT Concerns and Comments:** Mitigated Mitigation Strategy: Agreed. Will determine in the field. OK with RZ planned across centre of block as long as it is wind firm. Retain all hardwood in pure patches. Incidental hdwd for roads and OK. Add to prescription. landings Retain structure along IBWC located near plots 10 and 15, Agreed. Will add comment to prescription. 50m RZ for a 100 total separation. Revisit when surveyed. Use wetland/topography. MFZ on wetland along N end of the block. Agreed. Will add to prescription. LP to declare hardwood from mixedwood if no available hdwd quota. Agreed. Split block N/S axis. Revisit when surveyed.

Vimy Ridge - VMR-831

Revisit when surveyed.

30m RZ on E wetland.

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Cut Block Name: VMR-832 Twp & Rge: t31r24w Cut Block Size: 19.8 ha **OPERATING AREA: Vimy Ridge** Ownership: Open Crown Mapsheet: 370572 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Ht (m) Vol % Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 27 130 TA 16.5 5% ws BS BF 28 BA 89 2% 3 57 195 50 **WB** 11.5 32 1% 2 33 Clumped Total HW 8% 11 220 **Eco Land Classification Soils Summary** WS 22.0 38 4% 128 103 1st 2nd 3rd BS 17.3 21 62% 90 1,784 LFH(cm) Moisture 102 S-Type Surface Texture JP 99 20.3 24 26% 37 737 08 V Type 17 18 02 Sandy Clay Loam BF 0% 0 0 **Eco Site** 42 24 03 S8 3 Sandy Loam Total SW 92% 2,649 134 **Block Total:** 145 2,869 Cover Type: S IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Quota Holder/LP HARDWOOD VOLUME (m3): 54 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 687 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ-30 Flood Located on E and N side. Variable MFZ to 30m buffer. Structure will be maintained. Flag as shown on map. Lake MFZ-30 Located on W side. Variable MFZ to 30m buffer. Structure will be maintained. Flag as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 158 to 238 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Alder, raspberry and rose are present in this block. This block has hummocky topography. Maintain a maximum of 4 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible. Most of this block was harvested in 2015. There is approximately 5.4 hectares remaining. The volumes shown indicate the approximate volume remaining.

FML 3 2022 - Harvest

ILDING SULU	TIONS FAX.	204-734	-3040													
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WB	x	H				Н	Н	TRENC				ſ	х	ATV		
ws	Ĥ	Н	x			П	П	WINTE	R RIPPER			Ì	х	HELICOPTER		
BS		П	x			х	П	AREA	PLANT			1	\exists	TRUCK		
JP	х							="				•				
BF																
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Year	Actio		Area (ha)	Alternate	1	Yea	r	Season	Species	Density	Total			Туре	Series	Year
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				•		2023	3	Sp	WS	2000	198	00		Reforestation	First	2033
RENEWAL	L COMMENTS	S/ISSUE	S:							•					•	
Road cl	losure to accon	nmodate .	ATV access													
					RESC	RIPT	ION	REVIE		IITIGATIO						
		_	AL REVIEW	/					EX	TERNAL R	EVIEW					
		\vdash	ANNING						х							
		_	LDLIFE						х	ALL IRM	CONCE	RNS M	1ITIG	ATED		
		X SIL	VICULTURE													
IRMT Conce	rns and Comme	nts:						Mitigati	ion Strategy:							Mitigated
	retaining more	than MFZ	Z on wetlands	due to fluctua	ating			Agree	e to establish	h variable RZ	buffer.					х
water lev	vel Om buffer along	n wetland	on E side					\/arial	hle huffer 📮	Retain 30m in	miyedwo	nd are	as of	ΡΜΔ		
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Reduce	hardwood harv	est on E	and S sides.					Agree	ea. Will remo	ove from bloo	CK.					X
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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: VMR-837 Twp & Rge: t32r24w Cut Block Size: 93.8 ha **OPERATING AREA: Vimy Ridge** Ownership: Open Crown Mapsheet: 370573 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution TA 0% 0 0 ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Quota Holder/LP HARDWOOD VOLUME (m3): 1,501 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 11,724 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ Located on the SE side. Structure will be maintained. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 750 to 1,125 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area.



FML 3 2023 - Contingency

RE	NEWAL PRESCRIPTION INFORMATIO	N
RENEWAL STRATEGY BY SPECIES	SITE PREPARATIONS	SNOW CACHE:
Species Natural Advanced Assisted	PREF. ALT.	RENEWAL COVERTYPE:
та ППП	DRAG	
ва 📙 🧮	MOUND	RENEWAL ACCESS
wb	TRENCH	ATV
ws	WINTER RIPPER	HELICOPTER
BS	X AREA PLANT	TRUCK
JP		
BF L		
Siteprep Summary	Planting Summary	Survey Summary
Year Action Area (ha) Alternate	Year Season Species Density	Total Type Series Year
		Plantation Survival First 2025
		Reforestation First 2034
RENEWAL COMMENTS/ISSUES:		
PRE	ESCRIPTION REVIEW AND MITIGATIO	N
INTERNAL REVIEW	EXTERNAL R	EVIEW
X PLANNING	SUBMITT	ED TO IRMT on
x WILDLIFE	⊢	CONCERNS MITIGATED
SILVICULTURE	Ш	
RMT Concerns and Comments:	Mitigation Strategy:	Mitigate
		L

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: VMR-840 Twp & Rge: t31r24w Cut Block Size: 69.3 ha **OPERATING AREA: Vimy Ridge** Ownership: Open Crown Mapsheet: 370572 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution TA 0% 0 0 ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Quota Holder/LP HARDWOOD VOLUME (m3): 1,109 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 8,661 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ-15 Located on the W/SW side. Structure will be maintained. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 554 to 831 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area.



FML 3 2023 - Contingency

RENEWAL COVERTYPE: Species Natural Advanced Assisted PREF. ALT. BA DRAG RENEWAL COVERTYPE: BB DRAG RENEWAL COVERTYPE: WW. W. W. W. T. E. RENEWAL COVERTYPE: BB DRAG RENEWAL COVERTYPE: WW. W. W. T. E. RENEWAL COVERTYPE: WW. W. T. E. RENEWAL COVERTYPE: WW. T. E. RENEWAL COVERTYP					NEWAE		HON INF	ORMATIC)N				
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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: VMR-844 Twp & Rge: t31r24w Cut Block Size: 76.6 ha **OPERATING AREA: Vimy Ridge** Ownership: Open Crown Mapsheet: 380572 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS BF ВА 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: SPL HARDWOOD VOLUME (m3): 1,142 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 8,919 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS Ephemeral Drain MFZ-75 Located on the E side. Variable MFZ to 75m buffer. Harvest as shown on map Located on the S tip. Variable MFZ to 30m buffer. Harvest as shown on map. Wetland MFZ-30 MFZ-100 **Ephemeral Drain** Located along the N side. Variable MFZ to 100m buffer. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 613 to 920 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area. Vimy Ridge



FML 3 2023 - Contingency

F	RENEWAL PRESCRIPTION INFORMATION				
RENEWAL STRATEGY BY SPECIES	SITE PREPARATIONS	SNOW CA	CHE:		
Species Natural Advanced Assisted	PREF. ALT.	RENEWAL	. COVERTYPE:		
та ППП	DRAG				
ва 📙 🗎	MOUND	RENEWA	L ACCESS		
wb	TRENCH		ATV		
ws	WINTER RIPPER		HELICOPTER		
BS	X AREA PLANT		TRUCK		
BF L					
Siteprep Summary	Planting Summary		Survey Sun	nmary	
Year Action Area (ha) Alternate		Total	Туре	Series	Year
			Plantation Survival	First	2025
		_	Regeneration	First	2034
ENEWAL COMMENTS/ISSUES:					
F	RESCRIPTION REVIEW AND MITIGATION				
INTERNAL REVIEW	EXTERNAL REV	VIEW			
x PLANNING	CURMITTEE	D TO IDMT on			
—	— — — — — — — — — — — — — — — — — — —	D TO IRMT on			
\vdash	ALL IRMT C	CONCERNS MITIG	ATED		
SILVICULTURE					
RMT Concerns and Comments:	Mitigation Strategy:				Mitigate
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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: VMR-849 Twp & Rge: t31r24w Cut Block Size: 26.4 ha **OPERATING AREA: Vimy Ridge** Ownership: Open Crown Mapsheet: 370572 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution TA 0% 0 0 ws BS ВF ВА 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 413 SOFTWOOD ALLOCATION: SPL/Tembec SOFTWOOD VOLUME (m3): 3,328 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ Located on the W side. Structure will be maintained. Harvest as shown on map. Wetland 75 Stream/wetland complex located on the S side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 211 to 317 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area.



FML 3 2023 - Contingency

	RENE	WAL P	RESCRIP	TION INF	ORMATIC	DN				
RENEWAL STRATEGY BY SPECIES		SIT	E PREPAR	RATIONS		S	NOW C	ACHE:		
Species Natural Advanced Assisted		PREF.	ALT.			R	ENEWA	AL COVERTYPE:		
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ва 🔲 🔲			MOUN	D		R	ENEW	AL ACCESS		
wв 🔲 🔲			TREN	CH				ATV		
ws		\sqcup		R RIPPER				HELICOPTER		
BS		LX [AREA	PLANT				TRUCK		
JP										
Siteprep Summary			Р	lanting Sur	nmary	_] [Survey Sur	nmary	
Year Action Area (ha)	Alternate	Year	Season	Species	Density	Total	╛┟	Туре	Series	Year
							┙┟	Plantation Survival	First	2025
RENEWAL COMMENTS/ISSUES:							L	Regeneration	First	2034
TENEVAL COMMENTO/1000E0.										
	DDES	CBIDTIC	ON REVIE	M AND M	MITICATIO	NA .				
		CKIPTIC	JN KEVIE							
INTERNAL REVIE	W			EX	TERNAL F	REVIEW				
x PLANNING					SUBMIT	TED TO IRM	IT on			
x WILDLIFE					ALL IRM	T CONCERN	NS MITI	GATED		
SILVICULTUR	E			_	-					
IRMT Concerns and Comments:			Mitigat	ion Strategy:						Mitigate
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PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

JP		Block Nam						& Rge: t31r24						Size: 69.7	' ha
Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol 1x, m3/ma Vol (m3) Vol (m3) BB S BS BF BS BF BS BF BS BF BS BF BS BF BS BF BS BF BS BF BS BF BS BF BS BF BS BF BS BF BS BS BS BF BS BS BS BF BS BS BS BF BS BS BS BF BS BS BS BF BS BS BS BF BS BS BS BF BS BS BS BF BS BS BS BF BS BS BS BF BS BF BS BS BS BF BS BS BS BF BS BS BS BF BS BS BS BF BS BS BF BS BF BS BS BS BF BS BS BF BS BS BF BS BS BF BS BS BF BF BS BF	OPE	ERATING ARE	A: Vimy R	tidge			Owne	ership: Open	Crown			Мар	osheet:	380572	
Species	LICI	ENCE: FML 3					Mana	gement Unit:	13			Lan	d Statu	s: Resou	rce MGMT
Species					F	PRE-HA	ARVEST	SURVEY IN	FORM	ATION					
Total HW	Species	s Avg Age (yr)	Avg Ht (m)	Avg DBH (cm)							oretory S	toms/ha a	nd Distr	ibution	
BA	TA				15%	35	2,458		ws	<u> </u>	315101, -		IIu Die.	IDULIO.	RF
Total HW 22% 51 3.537 WS 20.3 26 0% 13 887 BS 110 16.5 19 31% 70 4.896 BF 170 4 18.5 24 41% 95 6.588 BF 170 104 105 105 105 105 105 105 105 105 10			40.2	20				03		- 4	56	1			
Solis Summary Solis Summar		1\A/	18.5					00	Clump	iea		Cluii	ipeu		
Total		100	20.3	26				Eco La	ind Clas	sificatio	n			Soils Sumn	nary
JP 104 18.5 24 41% 95 6.588 BF 0% 0 0 0 Total SW 78% 178 12.373 Block Total: 228 15.910 Cover Type: S IBWC Cnt: 2 HARDWOOD ALLOCATION: LP/SPL SOFTWOOD ALLOCATION: SPL SOFTWOOD ALLOCATION: SPL HARVEST SEASON HARVEST/SILVICULTURE SYSTEM ALL SEASON SELECTION SHELTERWOOD SELECTION SELECTION SHELTERWOOD SELECTIO		110							1st	2nd	3rd	LFH(cm)			
Folds 15 10 10 10 10 10 10 10	JP				41%	95	6,588	V Type	15	14	13		_		Sandy Loam
Total: 228 15,910 Cover Type: S BWC Cnt: 2								1						_	Odilay Louin
HARDWOOD ALLOCATION: LP/SPL SOFTWOOD ALLOCATION: SPL SOFTWOOD ALLOCATION: SPL SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 2,029 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM SLASH ABATEMENT ALL SEASON FROZEN SELECTION SEED TRE SALVAGE SALVAGE SALVAGE SALVAGE SALVAGE SALVAGE SALVAGE SALVAGE SALVAGE SIDENTE SALVAGE SECONDATION FEATURE WIDTH (m) DETAILS NOTE: IBWC = In Block Wat Wedland MFZ Located on NE side. Structure will be maintained. Flag as shown on map. SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES: To benefit the regeneration of both planted softwood seedlings and natural regeneration of hardwoods by suckering, it is recommended that all hardwood trees (except willdife tree patches) be harvested. Selective harvesting of only the softwood readous designing and mounts of hardwood canopy. The number of acceptable planting microsites would be very low, and the hardwood canopy outlot reduce the softwood seedlings growth. Therefore, harvesting of both the softwood and hardwood trees (except willdife tree patches) be harvested. Selective harvesting of only the softwood canopy outlot reduce the softwood seedlings growth. Therefore, harvesting of both the softwood and hardwood trees will be submissed in 2019/20. There are approximately 12 ha's remaining, Volumes shown indicate this. Areas of blow down located on the west and north sides of the block. Merchantable trees will be salvaged if possible. Maintain a maximum of 13 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible.					78%						=				
HARDWOOD ALLOCATION: LP/SPL SOFTWOOD ALLOCATION: SPL SOFTWOOD ALLOCATION: SPL SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 20,29 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM SLASH ABATEMENT ALL SEASON FROZEN DRY/FROZEN SELECTION SELECT	Block	Total:				228	15,910	Cover Type:	S IB	WC Cnt:	2				
HARVEST SEASON ALL SEASON FROZEN DRY/FROZEN SEED TREE SALVAGE SALVAGE SALVAGE SALVAGE SALVAGE SALVAGE DRY/FROZEN DESIGNATED SKID TRAILS NOTE: IBWC = In Block Wat NOTE: IBWC = In Block Wat To benefit the regeneration of both planted softwood seedlings and natural regeneration of hardwoods by suckering, it is recommended that all hardwood reas (sexcept wildlife tree patchese) be harvested. Selective harvesting of only the softwood drees would leave behind significant amounts of hardwood canopy. The number of acceptable planting microsites would be very low, and the hardwood canopy could reduce the softwood seedlings growth. Therefore, harvesting of both the softwood and hardwood trees will assist in maintaining the softwood portion of hardwood-spruce mixedwoods. Most of this block was harvested in 2019/20. There are approximately 1 ha's remaining. Volumes shown indicate this. Areas of blow down located on the west and north sides of the block. Merchantable trees will be salvaged if possible. Maintain a maximum of 13 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible.				•	H/	ARVES	T PRES	CRIPTION IN	IFORM	IATION					
HARVEST SEASON HARVEST/SILVICULTURE SYSTEM SLASH ABATEMENT ALL SEASON FROZEN DRY/FROZEN SELECTION SELECTION SELECTION SHELTERWOOD UNDERSTOREY PROTECTION WHOLE TREE PILE & BURN WLF DEBRIS PILE WHOLE TREE TOP AT STU DESIGNATED SKID TRAILS NOTE: IBWC = In Block Wal 1 Wetland MFZ Located on NE side. Structure will be maintained. Flag as shown on map. 2 Stream 15 Located on the SW side. Variable 15 to 100+m buffer. Flag as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 557 to 836 trees. SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES: To benefit the regeneration of both planted softwood seedlings and natural regeneration of hardwoods by suckering, it is recommended that all hardwood canopy. The number of acceptable planting microsites would be very low, and the hardwood canopy could reduce the softwood seedlings growth. Therefore, harvesting of both the softwood and hardwood trees will assist in maintaining the softwood portion of hardwood-spruce mixedwoods. Most of this block was harvested in 2019/20. There are approximately 12 ha's remaining. Volumes shown indicate this. Areas of blow down located on the west and north sides of the block. Merchantable trees will be salvaged if possible. Maintain a maximum of 13 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible.		HARDWOO	ALLOCATI	ON: LP/SPL							HAR	nwood v	/OLUME	- (m3): 581	
HARVEST SEASON ALL SEASON FROZEN DRY/FROZEN SELECTION SEED TREE SALVAGE SALVAGE AVOIDANCE AL MOIDTH (m) DETAILS NOTE: IBWC = In Block Wal DESIGNATED SKID TRAILS NOTE: IBWC = In Block Wal NOTE: IBWC = In Block Wal To benefit the regeneration of both planted softwood seedlings and natural regeneration of hardwoods by suckering, it is recommended that all hardwood trees (except wildlife tree patches) be harvested. Selective harvesting of only the softwood trees will be very low, and the hardwood canopy. Out of reduce the softwood seedlings growth. Therefore, harvesting of both the softwood in the swill assist in maintaining the softwood spould reduce the softwood seedlings growth. Therefore, harvesting of both the softwood trees will assist in maintaining the softwood practions. Areas of blow down located on the west and north sides of the block. Merchantable trees will be salvaged if possible. Maintain a maximum of 13 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible.														` '	9
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BUFFER INFORMATION FEATURE WIDTH (m) DETAILS NOTE: IBWC = In Block Wat 1 Wetland MFZ Located on NE side. Structure will be maintained. Flag as shown on map. 2 Stream 15 Located on the SW side. Variable 15 to 100+m buffer. Flag as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 557 to 836 trees. SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES: To benefit the regeneration of both planted softwood seedlings and natural regeneration of hardwoods by suckering, it is recommended that all hardwood trees (except wildlife tree patches) be harvested. Selective harvesting of only the softwood trees would leave behind significant amounts of hardwood canopy. The number of acceptable planting microsites would be very low, and the hardwood canopy could reduce the softwood seedlings growth. Therefore, harvesting of both the softwood and hardwood trees will assist in maintaining the softwood portion of hardwood-spruce mixedwoods. Most of this block was harvested in 2019/20. There are approximately 12 ha's remaining. Volumes shown indicate this. Areas of blow down located on the west and north sides of the block. Merchantable trees will be salvaged if possible. Maintain a maximum of 13 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible.		-			SALVA	GE		X PAT	CH RET	ENTION		L	WH	IOLE TREE	TOP AT STUMP
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trees (except wildlife tree patches) be harvested. Selective harvesting of only the softwood trees would leave behind significant amounts of hardwood canopy. The number of acceptable planting microsites would be very low, and the hardwood canopy could reduce the softwood seedlings growth. Therefore, harvesting of both the softwood and hardwood trees will assist in maintaining the softwood portion of hardwood-spruce mixedwoods. Most of this block was harvested in 2019/20. There are approximately 12 ha's remaining. Volumes shown indicate this. Areas of blow down located on the west and north sides of the block. Merchantable trees will be salvaged if possible. Maintain a maximum of 13 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible.	1 We 2 Stre	FE TREE RETE	ENTION: As	Located on the SW s per Standard Op	side. Varia	able 15 to	100+m buffe	er. Flag as shown	on map.	∋es.					
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Therefore, harvesting of both the softwood and hardwood trees will assist in maintaining the softwood portion of hardwood-spruce mixedwoods. Most of this block was harvested in 2019/20. There are approximately 12 ha's remaining. Volumes shown indicate this. Areas of blow down located on the west and north sides of the block. Merchantable trees will be salvaged if possible. Maintain a maximum of 13 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible.	1 We 2 Stre WILDLIF SEVERE HARVES To ben	FE TREE RETE E EROSION RI ST COMMENT	ENTION: As ISK POTEN S/ISSUES: ation of both p	s per Standard Op	perating G	Guidlines	100+m buffe	er. Flag as shown roximately 557 t	on map. o 836 tre	y suckerir	-				d
Areas of blow down located on the west and north sides of the block. Merchantable trees will be salvaged if possible. Maintain a maximum of 13 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible.	1 We 2 Stre WILDLIF EVERE HARVES To ben trees (6	FE TREE RETE E EROSION RI ST COMMENT nefit the regenera (except wildlife tre	ENTION: As ISK POTEN' "S/ISSUES: ation of both pree patches) by	s per Standard Op	perating G seedlings	Guidlines s and na	100+m buffe	roximately 557 the reration of hardverse softwood trees	oo 836 tre	y suckerir eave beh	nind signif	ficant amo	unts of h	ardwood	d
Maintain a maximum of 13 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible.	1 We 2 Stre VILDLIF SEVERE HARVES To ben trees (c canopy	FE TREE RETE E EROSION RI ST COMMENT nefit the regenera (except wildlife tre y. The number of	ENTION: As ISK POTEN: "S/ISSUES: ation of both pree patches) but acceptable	s per Standard Op ITIAL: planted softwood be harvested. Se	side. Varia	Guidlines s and na arvesting be very	te leave approatural regency of only the low, and the	roximately 557 the reration of hardvers softwood trees the hardwood can	oo 836 tre	y suckerii eave beh	nind signif e the soft	ficant amo twood see	ounts of h	ardwood owth.	d
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	1 We 2 Stree WILDLIF BEVERE HARVES To ben trees (canopy Therefore Most o	FE TREE RETE E EROSION RI ST COMMENT The fit the regeneral except wildlife tre y. The number of fore, harvesting of this block was	ENTION: As ISK POTEN' S/ISSUES: ation of both pree patches) be facceptable of both the so harvested in	s per Standard Op ITIAL:	seedlingselective have would wood tree are approximately approximately are approximately approximately are approximately	Guidlines gs and na arvesting be very es will as ximately	atural regen g of only the low, and the sist in main 12 ha's ren	roximately 557 to the relation of hardwood trees the hardwood can training the softwarding. Volume	oo 836 tra	y suckerir eave beh uld reduce ortion of h n indicate	nind signife the soft ardwood-	ficant amo twood see	ounts of h	ardwood owth.	d
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	1 We 2 Stree WILDLIF SEVERE HARVES To ben trees (canopy Therefe Most o Areas c Mainta	FE TREE RETE E EROSION RI ST COMMENT nefit the regenera (except wildlife tre y. The number of fore, harvesting of of this block was of blow down loc ain a maximum of	ENTION: As ISK POTEN: "S/ISSUES: ation of both pree patches) be of acceptable of both the so harvested in cated on the vortal 3 WDP ap	s per Standard Op ITIAL: planted softwood be harvested. Se e planting microsito oftwood and hards 2019/20. There a west and north sign oproximately 30-76	seedlings seedlings seedlings seedlings seedlings seedlings seed wood tree are approxides of the Om from t	Guidlines s and na arvesting be very es will as ximately e block. I	atural regen g of only the low, and the sist in main	roximately 557 to the relation of hardware softwood trees to hardwood can training the softmaining. Volume to be trees will be	oo 836 tre	y suckering eave behold reduce ortion of hindicated if possil	nind signife the soft ardwood- e this. ble.	ficant amo twood see -spruce mi	ounts of h dlings gro ixedwood	ardwood owth. ds.	d

FML 3 2022 - Harvest

			REN										
RENEW	AL STRATEGY BY	SPECIES		SITE	PREPAR	ATIONS		SNO	W CAC	HE:			
Species	Natural Advanced	Assisted		PREF. AL	т.			REN	EWAL	COVERTYPE:	S		
TA	x				DRAG				.=				
ВА					MOUNI)		KEN	IEWAL	ACCESS			
WB	x				TRENC				х	ATV			
ws	x	x		$\vdash \vdash \vdash$	-	R RIPPER			x	HELICOPTER	र		
BS	\sqcup \sqcup	X		X	AREA I	PLANT				TRUCK			
JP	X	Н											
BF													
	Siteprep Sum	nmary			PI	anting Sum	nmary			Surv	ey Summa	ary	
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total		Туре	s	eries	Year
				2023	Sp	BS	2000	88920		Plantation Surv	/ival	First	2024
	•			2023	Sp	WS	2000	10080		Reforestation	n	First	2033
RENEWAL	COMMENTS/ISSUE	ES:			1		<u> </u>		_		-		
	S understory >500 ste			cated on the I	N end of the	block (plot	32). Mercha	ntable trees wi	ill be ha	rvested and			
unmecha	ntable trees will be let	ft unharvested	in patches.										
Areas of	WS understory >500 s	stems/ha and	<6m in height ar	e located in th	e central po	ortion of the	block (plots	22 and 24). Cl	umps o	f understory w	rill be		
protected	in patches.												
Ensure a	few areas on the road	d are free of de	ebris so the helic	copter can lan	d.								
Ensure A	TV access												
			PRE	SCRIPTIO	N REVIE\	W AND M	ITIGATIO	N					
	INTERN	NAL REVIEW		SCRIPTIO	N REVIE		ITIGATIO TERNAL RI						
				SCRIPTIO	N REVIE\	EX	TERNAL R	EVIEW	20,4046	2/40			
	X PL	_ANNING		SCRIPTIO	N REVIE\	EX	TERNAL R	EVIEW ED TO IRMT o					
	X PL	LANNING ILDLIFE		SCRIPTIO	N REVIEV	EX	TERNAL R	EVIEW					
	X PL X W X SI	_ANNING		SCRIPTIO	N REVIEV	EX	TERNAL R	EVIEW ED TO IRMT o					
RMT Concern	X PL	LANNING ILDLIFE		SCRIPTIO		EX	TERNAL R	EVIEW ED TO IRMT o					Mitigate
	X PL X W X SI s and Comments:	ANNING ILDLIFE LVICULTURE		SCRIPTIO	Mitigati	X X x on Strategy:	TERNAL RI SUBMITT ALL IRMT	EVIEW ED TO IRMT C	MITIGA	TED	R-850		¬ _
Concern fo	X V V V SI S and Comments:	ANNING ILDLIFE LVICULTURE 831 hauled to		SCRIPTIO	Mitigati	X X x on Strategy:	TERNAL RI SUBMITT ALL IRMT	EVIEW ED TO IRMT o	MITIGA	TED	R-850.		Mitigate X
Concern fo	x V V V X SI S and Comments:	ANNING ILDLIFE LVICULTURE 831 hauled to		SCRIPTIO	Mitigati Will en	EX X X X On Strategy:	TERNAL RI SUBMITT ALL IRMT	EVIEW ED TO IRMT C	MITIGA	TED	R-850.		X
Concern fo	X V V V SI S and Comments:	ANNING ILDLIFE LVICULTURE 831 hauled to		SCRIPTIO	Mitigati	EX X X X On Strategy:	TERNAL RI SUBMITT ALL IRMT	EVIEW ED TO IRMT C	MITIGA	TED	R-850.		¬ _
Concern fo	x V V V X SI S and Comments:	ANNING ILDLIFE LVICULTURE 831 hauled to		SCRIPTIO	Mitigati Will en	EX X X X On Strategy:	TERNAL RI SUBMITT ALL IRMT	EVIEW ED TO IRMT C	MITIGA	TED	R-850.		X
Concern fo	x V V V X SI S and Comments:	ANNING ILDLIFE LVICULTURE 831 hauled to		SCRIPTIO	Mitigati Will en	EX X X X On Strategy:	TERNAL RI SUBMITT ALL IRMT	EVIEW ED TO IRMT C	MITIGA	TED	R-850.		X
Concern fo	x V V V X SI S and Comments:	ANNING ILDLIFE LVICULTURE 831 hauled to		SCRIPTIO	Mitigati Will en	EX X X X On Strategy:	TERNAL RI SUBMITT ALL IRMT	EVIEW ED TO IRMT C	MITIGA	TED	R-850.		X
Concern fo	x V V V X SI S and Comments:	ANNING ILDLIFE LVICULTURE 831 hauled to		SCRIPTIO	Mitigati Will en	EX X X X On Strategy:	TERNAL RI SUBMITT ALL IRMT	EVIEW ED TO IRMT C	MITIGA	TED	R-850.		X
Concern fo	x V V V X SI S and Comments:	ANNING ILDLIFE LVICULTURE 831 hauled to		SCRIPTIO	Mitigati Will en	EX X X X On Strategy:	TERNAL RI SUBMITT ALL IRMT	EVIEW ED TO IRMT C	MITIGA	TED	R-850.		X
Concern fo	x V V V X SI S and Comments:	ANNING ILDLIFE LVICULTURE 831 hauled to		SCRIPTIO	Mitigati Will en	EX X X x on Strategy:	TERNAL RI SUBMITT ALL IRMT	EVIEW ED TO IRMT C	MITIGA	TED	R-850.		X
Concern fo	x V V V X SI S and Comments:	ANNING ILDLIFE LVICULTURE 831 hauled to		SCRIPTIO	Mitigati Will en	EX X X x on Strategy:	TERNAL RI SUBMITT ALL IRMT	EVIEW ED TO IRMT C	MITIGA	TED	R-850.		X
Concern fo	x V V V X SI S and Comments:	ANNING ILDLIFE LVICULTURE 831 hauled to		SCRIPTIO	Mitigati Will en	EX X X x on Strategy:	TERNAL RI SUBMITT ALL IRMT	EVIEW ED TO IRMT C	MITIGA	TED	R-850.		X
Concern fo	x V V V X SI S and Comments:	ANNING ILDLIFE LVICULTURE 831 hauled to		SCRIPTIO	Mitigati Will en	EX X X x on Strategy:	TERNAL RI SUBMITT ALL IRMT	EVIEW ED TO IRMT C	MITIGA	TED	R-850.		X
Concern fo	x V V V X SI S and Comments:	ANNING ILDLIFE LVICULTURE 831 hauled to		SCRIPTIO	Mitigati Will en	EX X X x on Strategy:	TERNAL RI SUBMITT ALL IRMT	EVIEW ED TO IRMT C	MITIGA	TED	R-850.		X
Concern fo	x V V V X SI S and Comments:	ANNING ILDLIFE LVICULTURE 831 hauled to		SCRIPTIO	Mitigati Will en	EX X X x on Strategy:	TERNAL RI SUBMITT ALL IRMT	EVIEW ED TO IRMT C	MITIGA	TED	R-850.		X

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: VMR-851 Twp & Rge: t31r23w Cut Block Size: 81.7 ha **OPERATING AREA: Vimy Ridge** Ownership: Open Crown Mapsheet: 380572 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution TA 0% 0 0 ws BS ВF ВА 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 1,306 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 10,206 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Ephemeral Drain MFZ-30 Located along the N and E sides. Variable MFZ to 30m buffer. Harvest as shown on map Wetland Located on the S side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 653 to 980 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area.



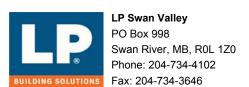
FML 3 2023 - Contingency

	RENE	WAL P	RESCRIP	TION INF	ORMATIC	DN				
RENEWAL STRATEGY BY SPECIES		SIT	E PREPAR	RATIONS		S	NOW C	ACHE:		
Species Natural Advanced Assisted		PREF.	ALT.			R	ENEWA	AL COVERTYPE:		
та 🔲 🦳			DRAG			_				
ва 🔲 🔲			MOUN	D		R	ENEW	AL ACCESS		
wв 🔲 🔲			TREN	CH				ATV		
ws		\sqcup		R RIPPER				HELICOPTER		
BS		LX [AREA	PLANT				TRUCK		
JP										
Siteprep Summary			Р	lanting Sur	nmary	_] [Survey Sur	nmary	
Year Action Area (ha)	Alternate	Year	Season	Species	Density	Total	╛┟	Туре	Series	Year
							┙┟	Plantation Survival	First	2025
RENEWAL COMMENTS/ISSUES:							L	Regeneration	First	2034
TENEWAL COMMENTS/1330E3.										
	DDES	CBIDTIC	ON REVIE	M AND M	MITICATIO	NA .				
		CKIPTIC	JN KEVIE							
INTERNAL REVIE	W			EX	TERNAL F	REVIEW				
x PLANNING					SUBMIT	TED TO IRM	IT on			
x WILDLIFE					ALL IRM	T CONCERN	NS MITI	GATED		
SILVICULTUR	E			_	-					
IRMT Concerns and Comments:			Mitigat	ion Strategy:						Mitigate
										\neg \vdash
										╽┕
			1							1
			1							1
			- 1							

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: VMR-863 Twp & Rge: t31r24w Cut Block Size: 21.5 ha **OPERATING AREA: Vimy Ridge** Ownership: Open Crown Mapsheet: 370572 LICENCE: FML 3 Management Unit: 13 Land Status: Resource MGMT PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution TA 0% 0 0 ws BS ВF ВА 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: Quota Holder/LP HARDWOOD VOLUME (m3): 334 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 2,610 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ-30 Located on the N and W sides. Variable MFZ to 30m buffer. Harvest as shown on map. Wetland MFZ Located on the E side. Structure will be maintained. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 172 to 258 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area.



FML 3 2023 - Contingency

				RE	NEWA	AL PR	ESCRIPT	TION INF	ORMATIC	N					
RENEV Species	VAL STRA	ATEGY BY Advanced			PR	SITE EF. AI	PREPAR	RATIONS				CACHE:	ERTYPE:		
TA BA WB WS BS JP BF					2		DRAG MOUN TRENG	D CH ER RIPPER				WAL AC	CESS		
											_				
<u> </u>		teprep Sum		1	<u> </u>			lanting Su		1	_		Survey Su		L v/
Year	 ^	ction	Area (ha)	Alternate		Year	Season	Species	Density	Total	_	Plan	Type ntation Survival	Series First	Year 2025
													eforestation	First	2023
RENEWAL	COMME	NTS/ISSUE	ES:										Ciorestation	1 1130	2004
		INTEDA	JAI DEVIEV		ESCRI	PTIO	N REVIE		MITIGATIO						
			NAL REVIEV	V				E/	_						
			LANNING ILDLIFE					-	_	TED TO IR		TICATE	`		
			LVICULTURE						_ ALL IRM	T CONCE	KINS IVII	IIGATEL)		
IRMT Concer	rns and Com						Mitigat	ion Strategy	:						Mitigated



LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

Integrated Operations by Operating Area

Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML 3 2023 - Harvest, FML 3 2023 - Contingency

Watjask Lake **FMU 13**

WO 13			Wayask Lak
WJL-124	106.53 Hectar	es	2022 Harvest
HW Allocation	2,344 m3	LP	
SW Allocation	1,095 m3	SPL	
WJL-125	98.89 Hectare	S	2022 Harvest
HW Allocation	3,463 m3	LP	
SW Allocation	1,739 m3	SPL	
WJL-126	55.78 Hectare	S	2022 Harvest
HW Allocation	1,580 m3	LP	
SW Allocation	1,292 m3	SPL	
WJL-133	55.01 Hectare	s	2023 Harvest
HW Allocation	10,656 m3	LP	
SW Allocation	4,948 m3	SPL	
WJL-134	203.61 Hectar	es	2023 Harvest
HW Allocation	28,730 m3	LP	
SW Allocation	14,322 m3	SPL	
WJL-138	69.87 Hectare	S	2022 Harvest
HW Allocation	16,896 m3	LP	
SW Allocation	3,287 m3	SPL	
WJL-139	210.00 Hectar	es	2022 Contingency
HW Allocation	18,120 m3	LP	
SW Allocation	26,241 m3	SPL	
WJL-150	37.96 Hectare	s	2022 Harvest
HW Allocation	6,353 m3	LP	
SW Allocation	3,485 m3	SPL	
WJL-151	22.12 Hectare	s	2022 Harvest
HW Allocation	2,865 m3	LP	
SW Allocation	4,273 m3	SPL	
WJL-152	59.79 Hectare	S	2022 Contingency
HW Allocation	8,781 m3	LP	
SW Allocation	6,052 m3	SPL	
WJL-200	89.81 Hectare	s	2023 Contingency
HW Allocation	12,927 m3	LP	
SW Allocation	5,777 m3	SPL	
WJL-201	111.97 Hectar	es	2023 Contingency
HW Allocation	16,175 m3	LP	

FIVIL 3 2022 - 2024 OP	FML 3	2022 - 2024	OP
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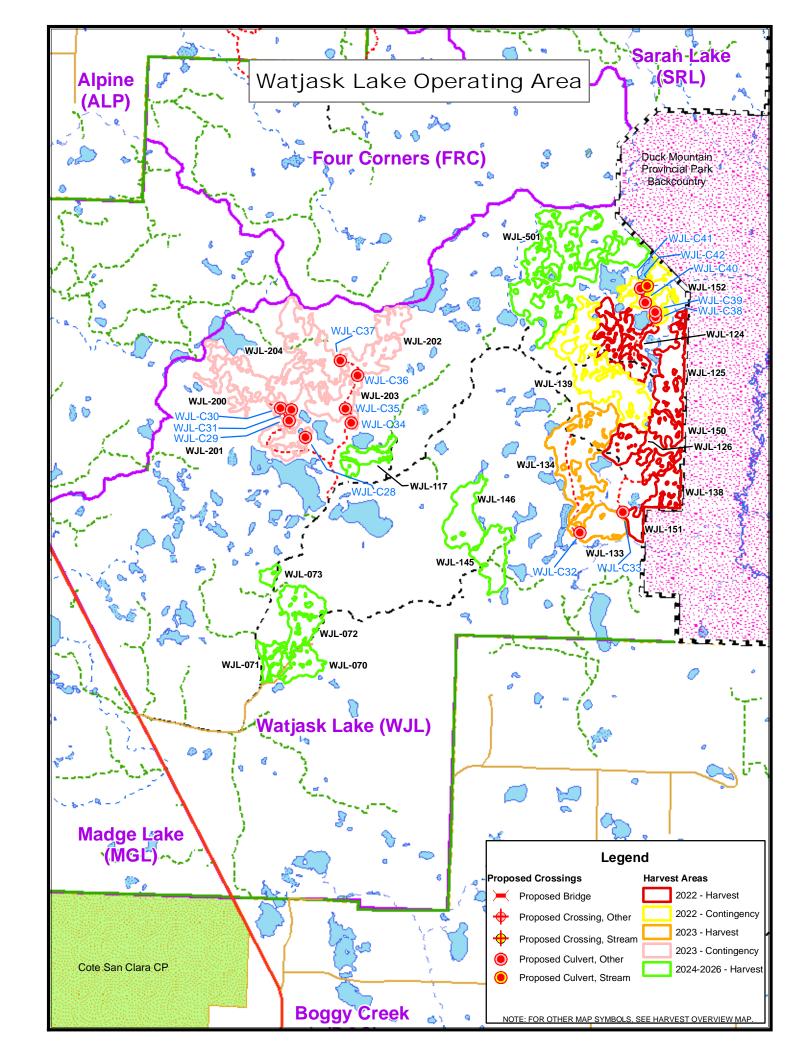
Integrated Operations by Operating Area

Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

FMU 13 Watjask Lake

WJL-202	99.49 Hectare	S	2023 Contingency
HW Allocation	15,929 m3	LP	
SW Allocation	8,561 m3	SPL	
WJL-203	75.01 Hectare	S	2023 Contingency
HW Allocation	12,504 m3	LP	
SW Allocation	5,237 m3	SPL	
WJL-204	100.08 Hectar	es	2023 Contingency
HW Allocation	13,779 m3	LP	
SW Allocation	9,859 m3	SPL	



Internal Mitigation Comments

General

Operating Area	Concern	Manitoba	Action/Response
Watjask Lake	Harvest Sequence	WJL-133 and the south half of 134 should not be cut until 151, 126, and 138 are cut, so the east road can be closed off first.	That is the plan as shown by the block years, WJL-126, 138 and 151 are 2022 and WJL-133 and 134 are 2023.
		WJL-125, and 150 should also not be cut until 126, 138 and 151 are closed to limit the amount of accesses that are open.	Block WJL-125 is being harvested this winter but not all of it will be cut this winter. Block WJL-126 is mostly cut. Block WJL-150 will be cut after WJL-126, 138 and 151.
	Access Control	Where ATV access is to be left for renewal purposes, only one central access may be retained. No in block spur roads are to be left. A limited number of strategically distributed helicopter landing areas may be left on roads and landings. Access to be closed following completion of planting activities by no later than July 31, unless separate approval is applied for.	Agreed. Will determine on a site by site basis.

Site Specific

Block	Concern	Manitoba	Action/Response
WJL-133	Access Control	Minimal access to be left for planting. See Operating Area General Comment about planting access.	Agreed.
WJL-134	Wildlife Ungulate	Is this block hilly? The long straight road planned through the middle of the block will make LOS requirements difficult to meet.	This block has some hills. The BF and WS understory protection patches will assist with LOS requirements. LOS requirements will be met.
	Riparian Mgmt. Wildlife	NW Lake buffer should be increased to 30m.	Agreed.
		W to SW buffer should be increased to 30 to 50m buffer.	Agreed.

		The buffer on the east side should be increased to 30 to 50m.	Agreed.
	Access Control	Minimal access to be left for planting. No truck access to be left. See Operating Area General Comment about planting access.	Agreed.
	Wildlife Ungulate	This area sees a lot of hunting pressure. Closure between seasons (drag grapples of wood across the road, etc.) and post-harvest will be important.	Agreed. Will ensure road is closed between seasons.
WJL-139	Riparian Mgmt. Wildlife	Wetland buffers should be increased to 30m minimum.	Most wetlands increased to 30m or MFZ to 30.
	Harvest Sequence	This block should be cut last on the way out.	Agreed. This block will be harvested after blocks WJL-124, 125, 150 and 152 are harvested.
	Access Control	Minimal access to be left for planting. No truck access to be left. See Operating Area General Comment about planting access.	Agreed.
WJL-150	Access Control	Only one access is created to the W side. No circle route to be created into WJL-139.	Access to WJL-150 will probably be through block WJL-139 if dry/frozen harvest. If harvested in winter access could be through WJL-125.
		Minimal access to be left for planting. No truck access to be left. See Operating Area General Comment about planting access.	Agreed.
	Riparian Mgmt. Wildlife	Buffer on S side should be increased to minimum of 30m.	Agreed.
WJL-151	Parks	The shape for this block appears to cross over into Back Country. Could be a GIS error, please review.	Block is outside Back Country.
	Access Control	Minimal access to be left for planting. No truck access to be left. See Operating Area General Comment about planting access.	Agreed.

	Wildlife Ungulate	Boundary on Back Country should be a feathered edge to help meet LOS requirements.	e Feathering implies editing boundary on both sides of the park line. Not buffering the park line. LOS will be met with understory patches and area of dead trees in middle of the block along the park line.
WJL-152	Riparian Mgmt. Wildlife	Wetland buffers should be increased to 30m minimum.	. Will leave buffers as drawn. All wetlands have large riparian areas and most have at least a 15m buffer.
WJL-200	Riparian Mgmt. Wildlife	30 to 50m buffer on lake to the west.	Agreed
	Wildlife Ungulate	What is the quality of the softwood patch near the middle to east portion of the block? If this is lower quality, could it be left for thermal cover?	Stand is merchantable BS (age 125-142 yrs) and will be harvested.
	Access Control	Minimal access to be left for planting. See Operating Area General Comment about planting access.	Agreed
	Harvest Sequence	This block should be cut and closed before 201 and 204 are, or cut after both of those blocks are completed and closed.	Will cut portions of WJL-201 while road being made into WJL-200. Will cut the north island at the start and the north portion accessed by road WJL-1K-1B-2A.
WJL-201	Harvest Sequence	This block should be the last in sequence on this road.	Will cut portions of WJL-201 while road being made into WJL-200. Will cut the north island at the start and the north portion accessed by road WJL-1K-1B-2A.
	Riparian Mgmt. Wildlife	Minimum of 30m on wetlands.	Changed most wetlands to 30m buffer except flood on the W central side. Changed the SE wetland to 15-75m buffer.
	Access Control	Minimal access to be left for planting. See Operating Area General Comment about planting access.	Agreed.

WJL-202	Riparian Mgmt. Wildlife	Minimum of 30m on wetlands.	Changed wetland complex on E side to 15-50m buffer.
	Access Control	Minimal access to be left for planting. See Operating Area General Comment about planting access.	Agreed.
WJL-203	Riparian Mgmt. Wildlife	Wetland on NE to increase to 30m minimum.	Changed wetland complex on E side to 15-50m buffer.
		Confirm access into block. Looks like the access from the old block to the south and the access into block 202 will create a circle route. If so will need to be changed.	Access into this block will be from the old block to the south and will continue into blocks WJL-202 and 204. There will be no circle route into WJL-201.
	Access Control	Minimal access to be left for planting. See Operating Area General Comment about planting access.	Agreed.
WJL-204	Riparian Mgmt. Wildlife	Wetland on N and E sides to increase to 30m minimum.	Changed wetland complex on N and E sides to 15-50m buffer.
	Access Control	Minimal access to be left for planting. See Operating Area General Comment about planting access.	Agreed.

Roads Watjask Lake

V	VJL 1A t	o 1Q (exis	ting)					d Develo	pment	
Road D	evelopn	nent:				Comme These ro		part of t	he acce	ess to blocks WJL-126, 133, 134, 138, 139, 151,
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use		fespan of Road (yrs)	152 and	200 to 2	204. Port	ions of	these roads are on designated routes Q and S.
16.5	20	8	Dry/Frozer	1	50					
Road De	eactivati	ion:		교유	П (S	_	
Road Clo Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rei							✓	These are existing roads and will remain open for future harvest.
	WJ	IL-1K-1A				Addition Comme		d Develo	pment	
Road D	evelopn	nent:				This roa	d is part			b blocks WJL-200 to 204. This road is in block
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use		fespan f Road (yrs)	WJL-116	6 which	was harv	ested ir	n 2014.
0.9	20	8	Dry/Frozer	1	5					
Road De	eactivati	ion:		Σū	- ·	_		δ		
Road Clo Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP/SPL		Post-Ha Post-Rei			✓					The first 100m of this road will be closed with slash and debris if available. ATV access is required for renewal.
	WJL	-1K-1A-1A				Addition Comme		d Develo	pment	
Road D	evelopn	nent:						ses block	ks WJL-	-202, 203 and 204.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use		fespan f Road (yrs)					
3.1	20	8	Dry/Frozer	1	2					
Road De	eactivati	ion:		ᇫ	σ . α		_	Sit	_	
Road Clo Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rei		✓	✓					This road will be closed at selected locations in blocks WJL-202 and 203. Crossings WJL-C34 to 37 will be removed. ATV access is required for renewal and survey purposes

	W	IL-1K-1B			Additional Road Development Comments				
Road D	evelopn	nent:		ī	This road access blocks WJL-200 and 201.				00 and 201.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespan of Road (yrs)					
3.2	20	8	Dry/Frozen	15					
Road De	<u>eactivati</u>	ion:	Z	Ω D . α		_	Sit	_	
Road Clo Respons			emoval	Slash and Debris Crossing	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP/SPL		Post-Ha Post-Rei	rvest						This road will be closed with slash and debris at selected locations in blocks WJL-116 and 201 after renewal activities. Selected locations include landings and other areas where debris accumulates. Crossings WJL-C28 to C31 will be removed further restricting access. ATV access is required for renewal.
	WJL	-1K-1B-1A			Addition		d Develo	pment	ı
Road D	evelopn	nent:			•••••		ses the s	small isl	land portion of block WJL-201.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespan of Road (yrs)					
0.3	20	8	Dry/Frozen	15					
Road De	eactivati	ion:	Z	.ç.	=		Š	_	
Road Clo Respons			Kemoval	Slash and Debris Crossing	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP/SPL		Post-Ha Post-Rei	_	√					This road will be closed with slash and debris at selected locations in blocks WJL-201 after renewal activities. Selected locations include landings and other areas where debris accumulates. Crossings WJL-C28 will be removed further restricting access. ATV access is required for renewal.
	WJL	-1K-1B-2A			Addition		d Develo	pment	t
Road D	evelopn	nent:		I	Comme This roa		ses the I	NE porti	ion of block WJL-201.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespan of Road (yrs)				•	
0.7	20	8	Dry/Frozen	15					
Road De	eactivati	ion:	7	ος - <i>«</i>	_		<u> </u>		
Road Clo Respons			emoval	Slash and Debris Crossing	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP/SPL		Post-Ha Post-Rei	rvest						This road will be closed with slash and debris at selected locations in blocks WJL-201 after renewal activities. Selected locations include landings and other areas where debris accumulates. Crossings WJL-C31 will be removed further restricting access. ATV access is required for renewal.

WJL-1Q-1A (existing) Additional Road Development Comments Road Development: This road is in block WJL-123 and is part of the access to blocks WJL-126, 133, 134, 138 and 151. Road **ROW** Season of Lifespan Road Length Width **Surface** Use of Road (km) (m) Width (m) (yrs) 0.9 20 8 Dry/Frozen 15 Road Deactivation: Site Prep None and **Additional Road Closure Road Closure** Comments Responsibility Post-Harvest LP This road will be closed with slash and debris at Post-Renewal selected locations in block WJL-123. ATV access is required for renewal activities. **Additional Road Development** WJL-1Q-1B (existing) Comments Road Development: This road accesses block WJL-134 and is part of the access to blocks WJL-126, 133, 138 and 151. ROW Road Road Season of Lifespan Length Width **Surface** Use of Road Width (m) (km) (m) (yrs) 1.6 20 8 Dry/Frozen 1 Road Deactivation: Crossing Removal Site Prep Slash and Debris Earth Berm None **Additional Road Closure Road Closure** Comments Responsibility Post-Harvest LP This road will be closed with debris after renewal Post-Renewal activities. ATV access is required for renewal and surveys. **WJL-1Q-1B-1A** Additional Road Development Comments Road Development: This road is in block WJL-134 and accesses block WJL-133. Road ROW Road Season of Lifespan Width Surface Use of Road Length (km) (m) Width (m) (yrs) 2.5 20 8 Dry/Frozen 2 Road Deactivation: Crossing Removal Site Prep Slash and **Additional Road Closure Road Closure** Comments Responsibility **Post-Harvest** LP/SPL This road will be closed at selected locations in **~** Post-Renewal block WJL-134. Crossing WJL-C32 will be removed. ATV access is required for renewal and survey purposes. **WJL-1Q-1B-2A** Additional Road Development Comments **Road Development:** This road accesses block WJL-151. **ROW** Road Road Season of Lifespan Length Width Surface of Road Use (km) (m) Width (m) (yrs) 0.9 20 8 Dry/Frozen 1

Road De	activati	on:	;	Σū	п "	_ =		<u>⊼</u>	_	
Road Clos Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP/SPL		Post-Ha Post-Rer		V	V					This road will be closed with slash and debris at selected locations after renewal activities. Crossing WJL-C33 will be removed restricting access. ATV access is required for renewal activities.
	WJ	L-1Q-1C				Addition		d Develo	pment	
Road De	<u>evelopn</u>	<u>nent:</u>						ses block	WJL-1	38.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	0	fespan f Road (yrs)					
0.9	20	8	Dry/Frozen		1					
Road De Road Clos Responsi	sure	on:		Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer			V					This road will be closed with slash and debris at selected locations in block WJL-127 and 138.
WJL-1R (existing) Additional Road Development										
Road De	evelopn	nent:				This road		ses block	WJL-1	39 and is part of the access to blocks WJL-150
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	0	fespan f Road (yrs)	and 152.				
2.2	20	8	Dry/Frozen		15					
Road De	activati	on:		ž ζ	П (0		_	<u>s</u>	_	
Road Clos Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer			V					This road will be closed with debris for the first 50m and at selected locations in block WJL-124. ATV access is required for renewal purposes.
	WJ	L-1R-1A				Addition		d Develo	pment	
Road Do	<u>evelopn</u>	<u>nent:</u>				This road	d acces	ses block	WJL-1	52.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	0	fespan f Road (yrs)					
2.1	20	8	Dry/Frozen		1					
Road De	activati	on:	į	ر ا	σ σ	m M	_	Sit	-	
Road Clos Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer		V	\					The first 100m of this road will be closed with debris. The crossings will be removed after renwal activities. ATV access is required for renewal purposes.

WJL-1S (existing) Road Development:						Additional Road Development Comments					
						This road accesses block WJL-125 and may also be used to access block WJL-					
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of Lifespan of Road (yrs)		150.					
0.6	20	8	Dry/Frozer	1	2						
Road De	eactivat.	ion:		Re	σ . σ	ωШ	•	Sit	7		
Road Clos Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments	
LP		Post-Ha		П	✓			П		This road will be closed with debris in block WJL-	
		Post-Rei	newal							124. ATV access is required for renewal purposes.	



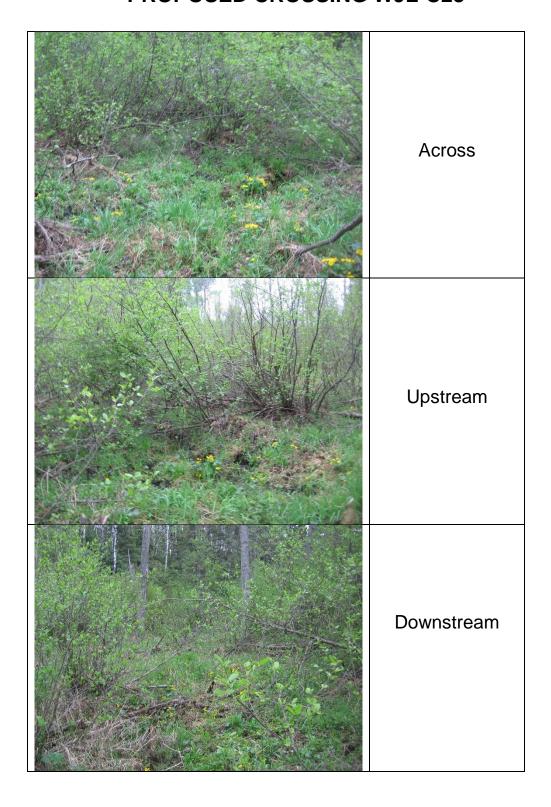
LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0

Swan River, MB, R0L 1Z Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

FML 3 2023 - Proposed Crossings

Orossing in	ame: WJL-C28	8	Ownership: LP/SPL				
Operating A	rea: Watjask La	ike	Contingency Crossing:				
UTM Northin	ig: 5726041		UTM Easting: 330447				
Stream Type	Other Water	ercourse	Land Description: NW13-31-29W				
Watercourse			Crossing Inspection Date: 04-June-2019				
Channel Wic			Stream Assessment Required:				
Water Depth			Stream Assessment Complete:				
Road Name:	WJL-1K-1B-1A						
te Description:							
Alder swale in mixed woo	d stand. Organic subs	strate with no banks or flow. D	Dry beaver flood upstream.				
eneral Considerations	 5:						
		for temporary crossings.					
1701 E Will 10110.1. 2. 2. 2	perational otatomem	Tor temperary ordesgo.					
Cross	ing Structure:		Crossing Lifespan:				
	Preferred	<u>Alternate</u>	Temporary Crossing:				
Ice Bridge		_	01 July,2023 to 01 July,2025				
Portable Bridge	Н	HI					
Rail Car Bridge	H	H	Permanent Crossing:				
Timber Bridge			Proposed Install Date:				
Snow and Ice Xing			Crossing Duration: Years				
Arch Culvert Round Culvert	 	H	Remove after Renewal Activities:				
			Remove after Reflewar Activities.				
tallation & Removal N	lotes:						
stallation & Removal N							
A minimum 12 inch culver	t will be installed.		nes will be recontoured to a near natural slope. If required the area				
A minimum 12 inch culver	t will be installed.		nes will be recontoured to a near natural slope. If required the area used to further stabilize the site.				
A minimum 12 inch culver	t will be installed.						

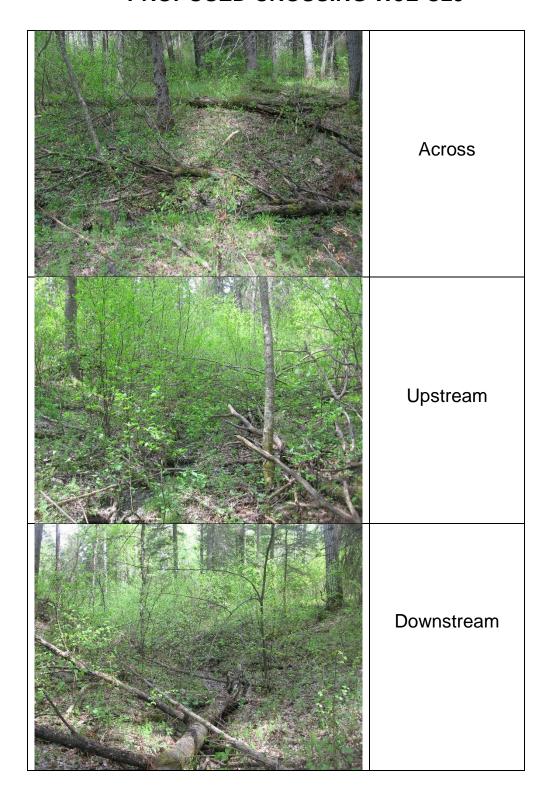




Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

Crossing Name: WJL-C29	Ownership: LP/SPL
Operating Area: Watjask Lake	Contingency Crossing:
UTM Northing: 5726417	UTM Easting: 330084
Stream Type: Other Watercourse	Land Description: SW24-31-29W
Watercourse Name: N/A	Crossing Inspection Date: 04-June-2019
Channel Width (m): N/A	Stream Assessment Required:
Water Depth (m): N/A	Stream Assessment Complete:
Road Name: WJL-1K-1B	
Site Description:	
Small alder swale in mixed wood stand. No water or banks at time of inspection	n. Organic substrate.
General Considerations:	
LP/SPL will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Preferred Alternate	Temporary Crossing:
Ice Bridge	01 July,2023 to 01 July,2025
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing	Crossing Duration: Years
Arch Culvert	
Round Culvert X	Remove after Renewal Activities:
Installation & Removal Notes:	
A minimum 12 inch culvert will be installed.	
After harvest is completed the culvert will be removed and the road approache will be seeded with grass and erosion control matting or straw mulch will be us	

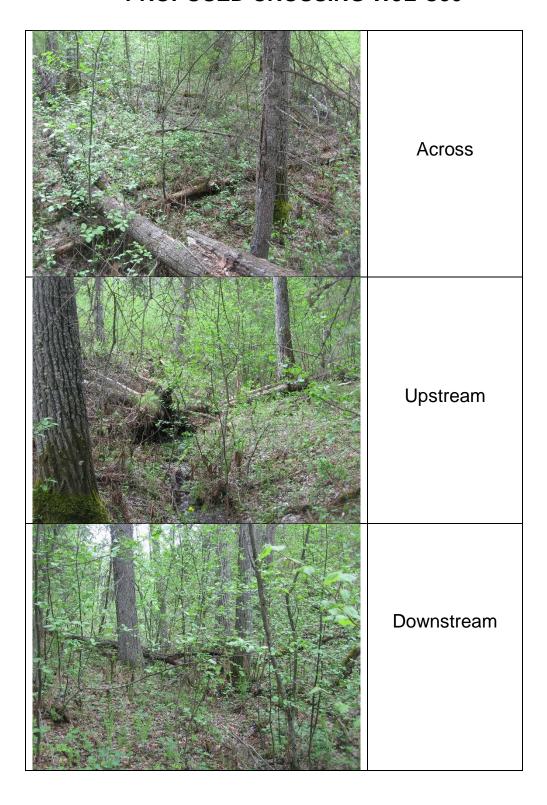




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WATER CROSSING PRESCRIPTION

Crossing Name: WJL-C30	Ownership: LP/SPL
	· —
Operating Area: Watjask Lake	Contingency Crossing:
UTM Northing: 5726691	UTM Easting: 329887
Stream Type: Other Watercourse	Land Description: SE23-31-29W
Watercourse Name: N/A	Crossing Inspection Date: 04-June-2019
Channel Width (m): N/A	Stream Assessment Required:
Water Depth (m): N/A	Stream Assessment Complete:
Road Name: WJL-1K-1B-2A	
Site Description:	
Small alder swale in mixed wood stand. No water at time of inspection. Organic/c	clay substrate.
Citial aloci citale in mixed wood stand. No material all time of inspection. Organism	naj sabellate.
General Considerations:	
LD/CDL will fallow DEO Operational Statement for temporary grassings	
LP/SPL will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Preferred Alternate	Temporary Crossing:
	isimpotany sixtemig
Ice Bridge	01 July,2023 to 01 July,2025
Portable Bridge	Regmenent Creening:
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing	Crossing Duration: Years
Arch Culvert	
Round Culvert X	Remove after Renewal Activities:
Installation & Removal Notes:	
A minimum 12 inch culvert will be installed.	
After harvest is completed the culvert will be removed and the road approaches w	
will be seeded with grass and erosion control matting or straw mulch will be used	to further stabilize the site.

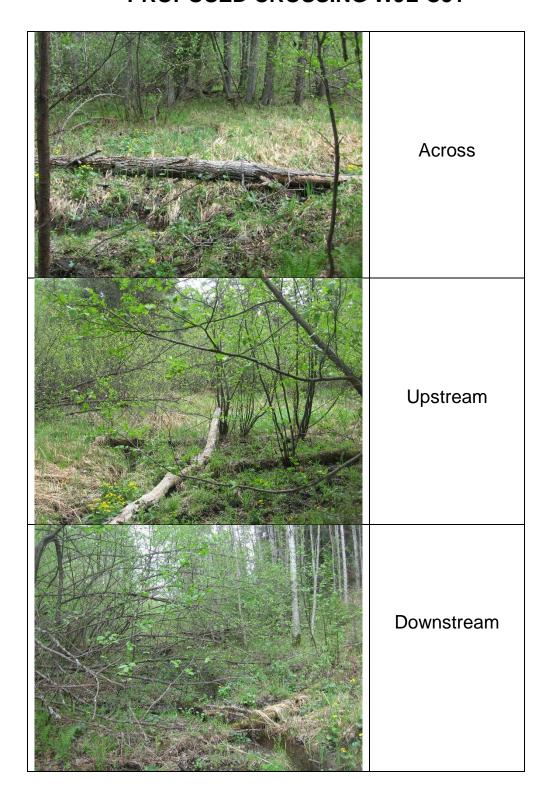




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WATER CROSSING PRESCRIPTION

Crossing Name: WJL-C31	Ownership: LP/SPL
Operating Area: Watjask Lake	Contingency Crossing:
UTM Northing: 5726655	UTM Easting: 330110
Stream Type: Other Watercourse	Land Description: SW24-31-29W
Watercourse Name: N/A	Crossing Inspection Date: 04-June-2019
Channel Width (m): 0.30	Stream Assessment Required:
Water Depth (m): 0.05	Stream Assessment Complete:
Road Name: WJL-1K-1C	
Site Description:	
Alder/sedge swale in mixed wood stand. Low flow with organic substrate. Appr	roximately 10m wide at crossing location.
FF.	
General Considerations:	
LP/SPL will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
<u>Preferred</u> <u>Alternate</u>	Temporary Crossing:
Ice Bridge	01 July,2023 to 01 July,2025
Portable Bridge	Permanent Crossing:
Rail Car Bridge Timber Bridge	Proposed Install Date:
Snow and Ice Xing	
Arch Culvert	Crossing Duration: Years
Round Culvert X	Remove after Renewal Activities:
Installation & Removal Notes:	
installation & Removal Notes.	
A minimum 12 inch culvert will be installed.	
After harvest is completed the culvert will be removed and the road approache	es will be recontoured to a near natural slope. If required the area
will be seeded with grass and erosion control matting or straw mulch will be us	

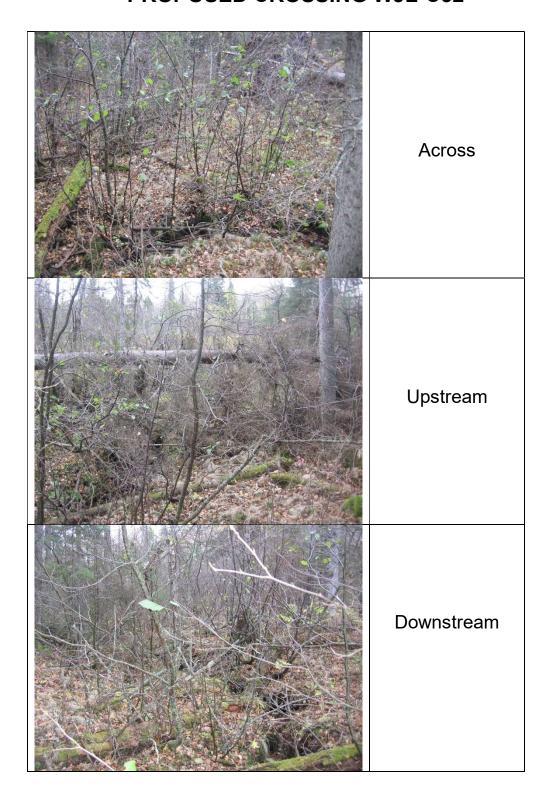




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WATER CROSSING PRESCRIPTION

Crossing Name: WJL-C32	Ownership: LP
Operating Area: Watjask Lake	Contingency Crossing:
UTM Northing: 5723910	UTM Easting: 336596
Stream Type: Other Watercourse	Land Description: NW10-31-28W
Watercourse Name: N/A	Crossing Inspection Date: 08-October-2020
Channel Width (m): 0.30	Stream Assessment Required:
Water Depth (m): 0.05	Stream Assessment Complete:
Road Name: WJL-1Q-1B-1A	
Site Description:	
Crossing is on an alder swale in mixed wood stand. Substrate is clay and organic	c. Banks are 50cm. No flow at time of inspection.
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Preferred Alternate	Temporary Crossing:
Ice Bridge	01 July,2023 to 01 July,2024
Portable Bridge Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing	
Arch Culvert	
Round Culvert X	Remove after Renewal Activities:
Installation & Removal Notes:	
A minimum 18 inch culvert is required.	
After harvest is completed the culvert will be removed and the road approaches will be seeded with grass and erosion control matting or straw mulch will be used	

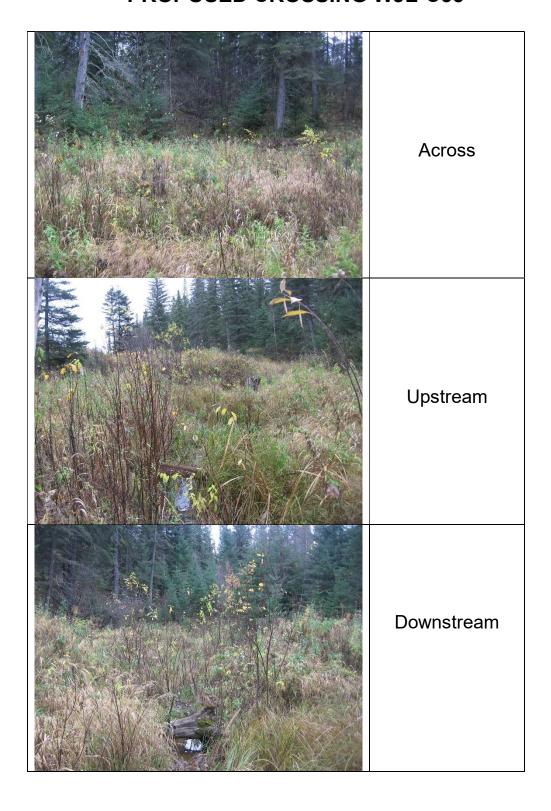




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WATER CROSSING PRESCRIPTION

Crossing Name: WJL-C33	Ownership: LP
Operating Area: Watjask Lake	Contingency Crossing:
UTM Northing: 5724367	UTM Easting: 337557
Stream Type: Other Watercourse	Land Description: NE10-31-28W
Watercourse Name: N/A	Crossing Inspection Date: 08-October-2020
Channel Width (m): 0.20	Stream Assessment Required:
Water Depth (m): 0.03	Stream Assessment Complete:
Road Name: WJL-1Q-1B-2A	
Site Description:	
Crossing is on a sedge run with dams upstream. Substrate is clay with no bank	ks.
eneral Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Preferred Alternate	Temporary Crossing:
In Bridge	[04 http://doi.org/10.1007/10.
Ice Bridge	01 July,2022 to 01 July,2023
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing	Crossing Duration: Years
Arch Culvert Round Culvert	Remove after Renewal Activities:
	Remove after Renewal Activities.
stallation & Removal Notes:	
A minimum 18 inch culvert is required.	
After harvest is completed the culvert will be removed and the road approaches	s will be recontoured to a near natural slope. If required the area
will be seeded with grass and erosion control matting or straw mulch will be us	

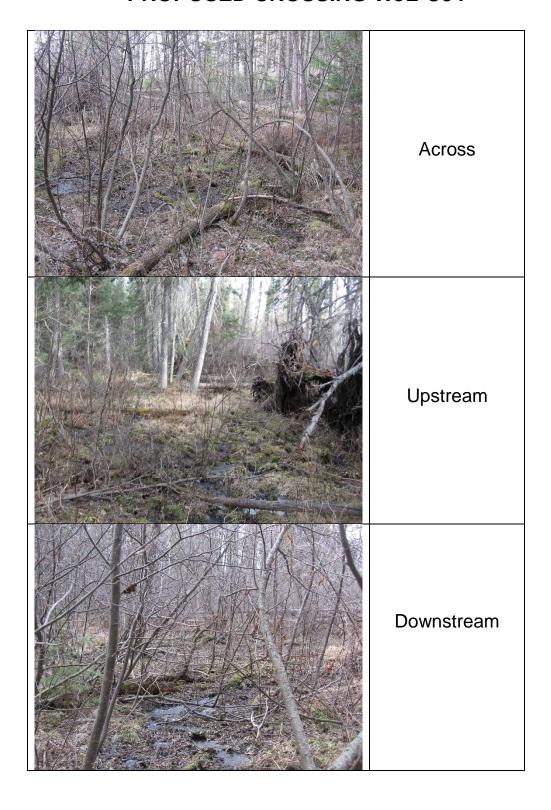




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WATER CROSSING PRESCRIPTION

Crossing Name: WJL-C34	Ownership: LP
Operating Area: Watjask Lake	Contingency Crossing:
UTM Northing: 5726361	UTM Easting: 331470
Stream Type: Other Watercourse	Land Description: SE24-31-29W
Watercourse Name: N/A	Crossing Inspection Date: 29-April-2021
Channel Width (m): N/A	Stream Assessment Required:
Water Depth (m): N/A	Stream Assessment Complete:
Road Name: WJL-1K-1A-1A	
Site Description:	
Crossing is an alder swale in mixed wood stand. Swale is approximately 10m wid was no flow at time of inspection.	de with organic/clay substrate. There are no banks and there
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Preferred Alternate	Tomosoni Consilini
	Temporary Crossing:
Ice Bridge	01 July,2023 to 01 July,2025
Portable Bridge	Permanent Crossing:
Rail Car Bridge	
Timber Bridge Snow and Ice Xing	Proposed Install Date:
Arch Culvert	Crossing Duration: Years
Round Culvert X	Remove after Renewal Activities:
Installation & Removal Notes:	
A section 10 to 10	
A minimum 18 inch culvert is required. Cordoroy and/or geotextile will be used.	
After harvest is completed the culvert will be removed and the road approaches will be seeded with grass and erosion control matting or straw mulch will be used	
25 355666 man grade and crosion control making or straw multin will be used	a to take, outsiness the one.

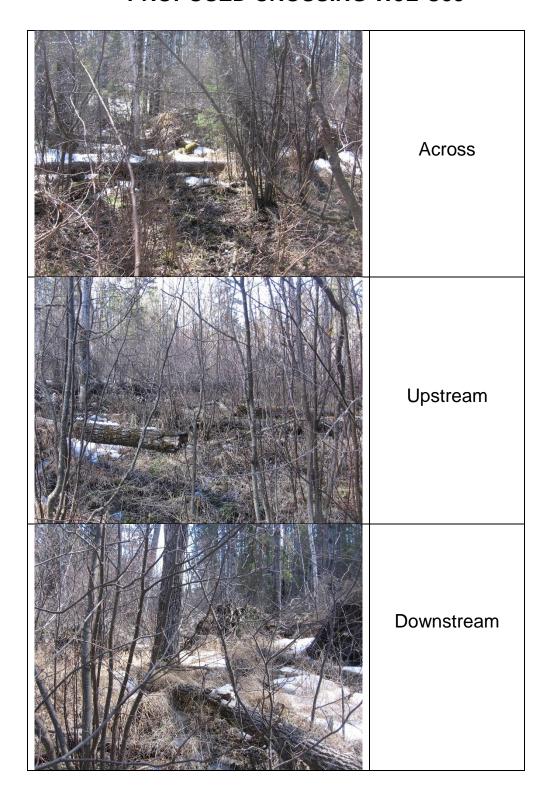




Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

Crossing Name: WJL-C35	Ownership: LP
Operating Area: Watjask Lake	Contingency Crossing:
UTM Northing: 5726679	UTM Easting: 331344
Stream Type: Other Watercourse	Land Description: SE24-31-29W
Watercourse Name: N/A	Crossing Inspection Date: 29-April-2021
Channel Width (m): N/A	Stream Assessment Required:
Water Depth (m): N/A	Stream Assessment Complete:
Road Name: WJL-1K-1A-1A	
Site Description:	
F	
Crossing is an alder swale in a mixed wood stand. Swale is approximately 15m	wide with no channel or banks. Substrate is organic/clay.
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Preferred Alternate	Temporary Crossing:
Ice Bridge	01 July,2023 to 01 July,2025
Portable Bridge	01 July,2023
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing	Crossing Duration: Years
Arch Culvert	Crossing Duration.
Round Culvert X	Remove after Renewal Activities:
Installation & Removal Notes:	
A minimum 18 inch culvert is required. Cordoroy and/or geotextile will be used.	
After harvest is completed the culvert will be removed and the road approaches	will be recontoured to a near natural slope. If required the area
will be seeded with grass and erosion control matting or straw mulch will be use	

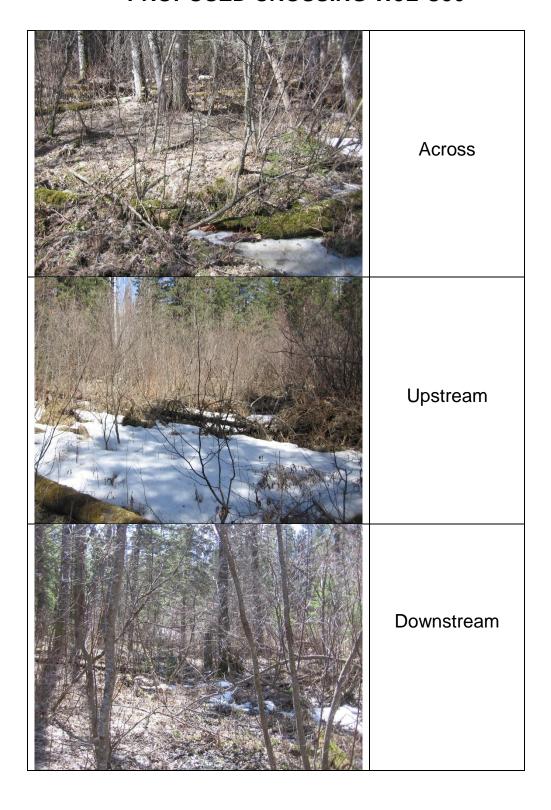




Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

Crossing Name: WJL-C36	Ownership: LP
Operating Area: Watjask Lake	Contingency Crossing:
UTM Northing: 5727425	UTM Easting: 331614
Stream Type: Other Watercourse	Land Description: NW19-31-28W
Watercourse Name: N/A	Crossing Inspection Date: 29-April-2021
Channel Width (m): 0.3	Stream Assessment Required:
Water Depth (m): 0.05	Stream Assessment Complete:
Road Name: WJL-1K-1A-1A	
Site Description:	
Crossing is a small alder swale in a mixed wood stand. There is a small channel p	present which had some flow at time of inspection. Substrate
is organic/clay.	
Consul Considerations	
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Durfarred Alternati	
<u>Preferred</u> <u>Alternate</u>	Temporary Crossing:
Ice Bridge	01 July,2023 to 01 July,2025
Portable Bridge	
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing Arch Culvert	Crossing Duration: Years
Round Culvert X	Remove after Renewal Activities:
	Remove after Renewal Activities.
Installation & Removal Notes:	
A minimum 12 inch culvert is required.	
•	
After harvest is completed the culvert will be removed and the road approaches w	ill be recontoured to a near natural slope. If required the area
After harvest is completed the culvert will be removed and the road approaches w will be seeded with grass and erosion control matting or straw mulch will be used	

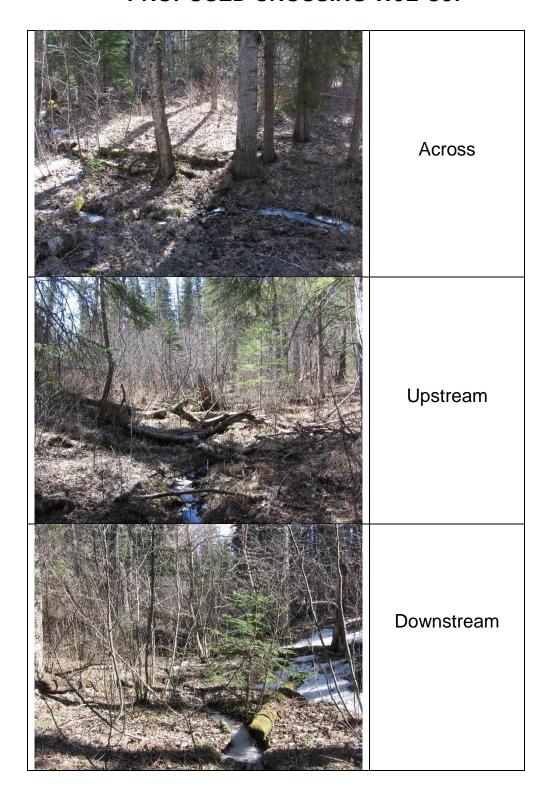




Swan River, MB, R0L 1 Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

Crossing Name: WJL-C37	Ownership: LP
Operating Area: Watjask Lake	Contingency Crossing:
UTM Northing: 5727759	UTM Easting: 331229
Stream Type: Other Watercourse	Land Description: NE24-31-29W
Watercourse Name: N/A	Crossing Inspection Date: 29-April-2021
Channel Width (m): 0.3	Stream Assessment Required:
Water Depth (m): 0.05	Stream Assessment Complete:
Road Name: WJL-1K-1A	•
Site Description:	
Crossing is a small alder swale in a mixed wood stand. There is a small channel is organic/clay.	present which had some flow at time of inspection. Substrate
is organicous.	
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Preferred Alternate	Temporary Crossing:
	remporary grossing.
Ice Bridge	01 July,2023 to 01 July,2025
Portable Bridge	Permanent Crossing:
Rail Car Bridge	
Timber Bridge Snow and Ice Xing	Proposed Install Date:
Arch Culvert	Crossing Duration: Years
Round Culvert X	Remove after Renewal Activities:
Installation & Removal Notes:	
A minimum 12 inch culvert is required.	
•	will be a sent on the sent of
After harvest is completed the culvert will be removed and the road approaches will be seeded with grass and erosion control matting or straw mulch will be used	

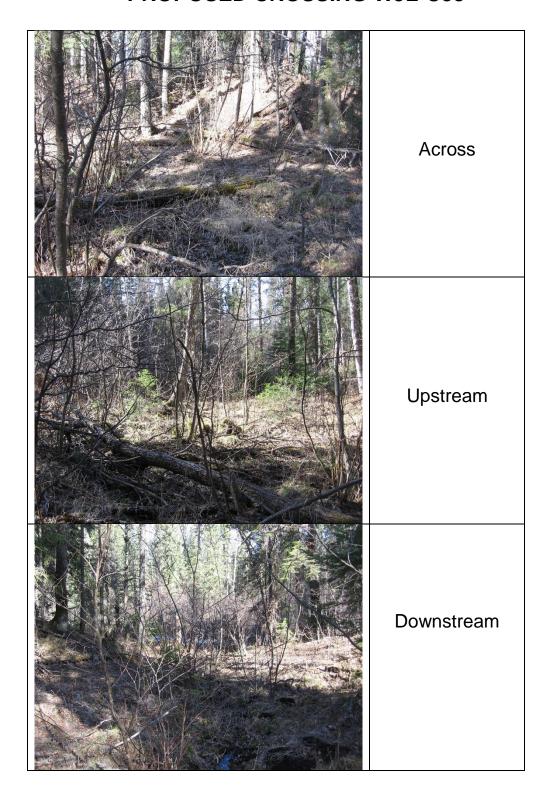




Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

Crossing Name: W.H. C29	Ournership, ID
Crossing Name: WJL-C38	Ownership: LP
Operating Area: Watjask Lake	Contingency Crossing:
UTM Northing: 5728727	UTM Easting: 338284
Stream Type: Other Watercourse	Land Description: NW26-31-28W
Watercourse Name: N/A	Crossing Inspection Date: 11-May-2021
Channel Width (m): 0.5	Stream Assessment Required:
Water Depth (m): 0.05	Stream Assessment Complete:
Road Name: WJL-1R-1A	
Site Description:	
Crossing is a very small alder swale in mixed wood stand. There was no flow at	time of increation. Substrate is organic
Crossing is a very small alder swale in mixed wood stand. There was no now at	time of inspection. Substrate is organic.
General Considerations:	
General Considerations.	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Preferred Alternate	Temporary Crossing:
los Pridro	04 hily 2022 to 04 hily 2024
Ice Bridge	01 July,2022 to 01 July,2024
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing	
Arch Culvert	Crossing Duration: Years
Round Culvert	Remove after Renewal Activities:
Installation & Removal Notes:	
A minimum 12 inch culvert is required. Cordoroy and /or geotextile mayl be used	1.
After harvest is completed the culvert will be removed and the road approaches	
will be seeded with grass and erosion control matting or straw mulch will be used	d to further stabilize the site.

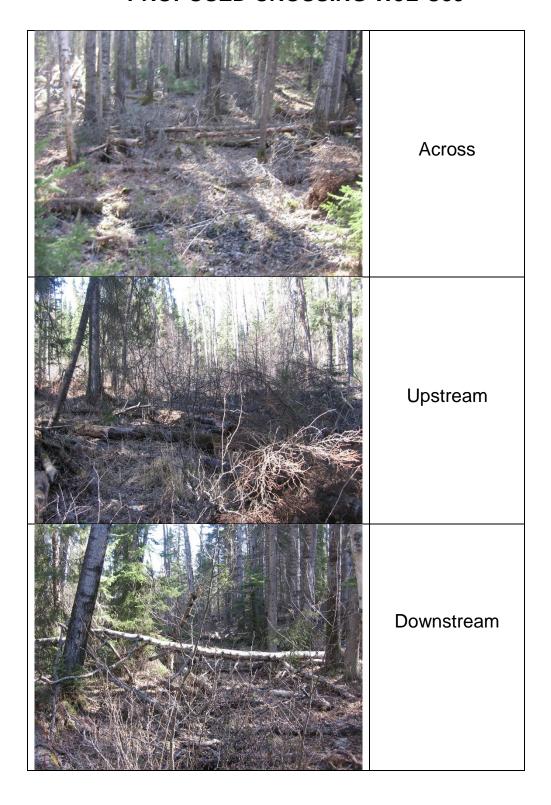




Swan River, MB, R0L 1 Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

Crossing Name: WJL-C39	Ownership: LP
Operating Area: Watjask Lake	Contingency Crossing:
UTM Northing: 5728840	UTM Easting: 338276
Stream Type: Other Watercourse	Land Description: NW26-31-28W
Watercourse Name: N/A	Crossing Inspection Date: 11-May-2021
Channel Width (m): 0.5	Stream Assessment Required:
Water Depth (m): 0.05	Stream Assessment Complete:
Road Name: WJL-1R-1A	
Site Description:	
Crossing is a very small alder swale in mixed wood stand. There was no flow at	time of inspection. Substrate is organic.
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
<u>Preferred</u> <u>Alternate</u>	Temporary Crossing:
Ice Bridge	01 July,2022 to 01 July,2024
Portable Bridge Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing	Crossing Duration: Years
Arch Culvert	
Round Culvert X	Remove after Renewal Activities:
Installation & Removal Notes:	
A minimum 12 inch culvert is required. Cordoroy and/or geotextile may be used	L.
After harvest is completed the culvert will be removed and the road approaches will be seeded with grass and erosion control matting or straw mulch will be use	
<u>-</u>	

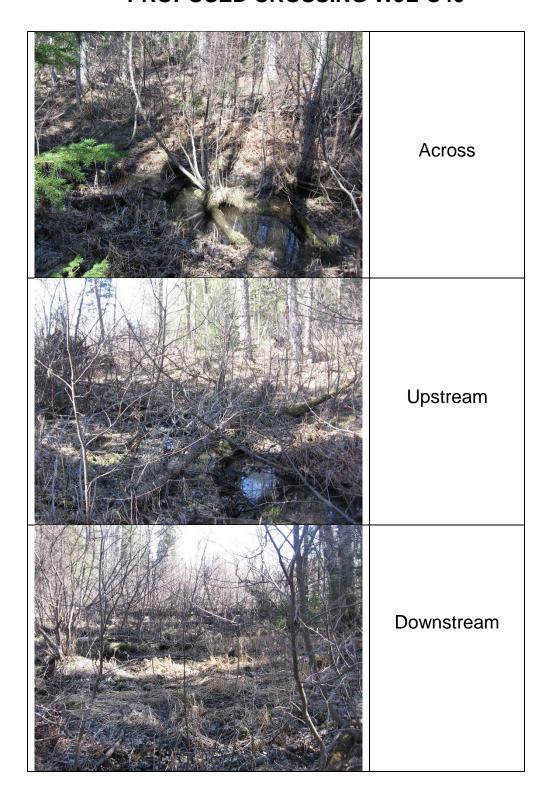




Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

Crossing Name: W.H. C40	Ournership, LD
Crossing Name: WJL-C40	Ownership: LP
Operating Area: Watjask Lake	Contingency Crossing:
UTM Northing: 5729057	UTM Easting: 338055
Stream Type: Other Watercourse	Land Description: NE27-31-28W
Watercourse Name: N/A	Crossing Inspection Date: 11-May-2021
Channel Width (m): 1.0	Stream Assessment Required:
Water Depth (m): 0.05	Stream Assessment Complete:
Road Name: WJL-1R-1A	
·	
Site Description:	
Crossing is an alder swale in mixed wood stand. Very little flow at time of inspec	ction Substrata is organic
Crossing is an alder swale in mixed wood stand. Very little now at time of hisper	buon. Gubstrate is organic.
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
-	· .
Preferred Alternate	Temporary Crossing:
	Temporary crossing.
Ice Bridge	01 July,2022 to 01 July,2024
Portable Bridge	
Rail Car Bridge	Permanent Crossing:
Timber Bridge	Proposed Install Date:
Snow and Ice Xing	Crossing Duration: Years
Arch Culvert	Grossing Buration.
Round Culvert X	Remove after Renewal Activities:
Installation & Removal Notes:	
installation a Removal Notes.	
A minimum 18 inch culvert is required. Cordoroy and/or geotextile may be used	l.
After harvest is completed the culvert will be removed and the road approaches will be seeded with grass and erosion control matting or straw mulch will be use	

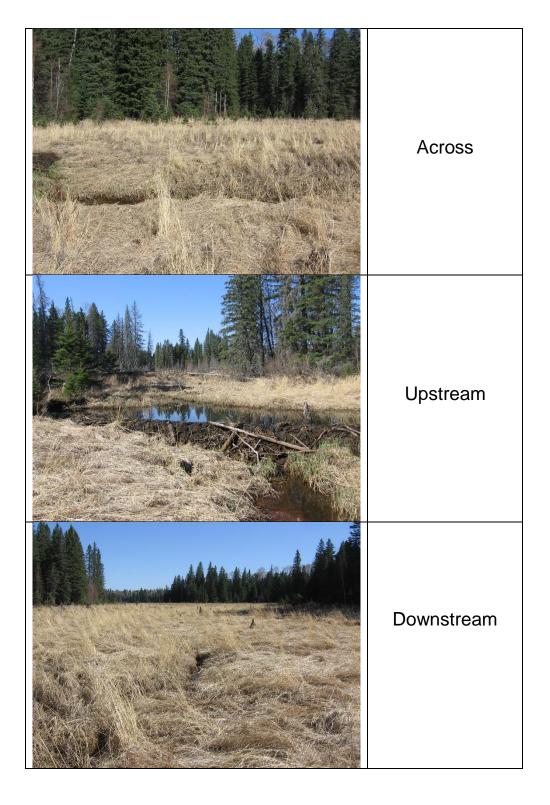




Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

Crossing Name: WJL-C41	
Crossing Name: WJL-C41	
Crossing Name. WSL-C41	Ournorchine LD
	Ownership: LP
Operating Area: Watjask Lake	Contingency Crossing:
UTM Northing: 5729375	UTM Easting: 337952
Stream Type: Other Watercourse	Land Description: NE27-31-28W
Watercourse Name: N/A	Crossing Inspection Date: 11-May-2021
Channel Width (m): 0.3	Stream Assessment Required:
Water Depth (m): 0.05	Stream Assessment Complete:
Road Name: WJL-1R-1A	
Site Description:	
Crossing is a wide sedge run with a small channel. Area has been flooded in the properties of the prop	
To motore wide at discounty location. East new at time of moposition. Cascitate is on	gamo.
General Considerations:	
General Considerations.	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Preferred Alternate	Temporary Crossing:
	Temporary Grossing.
Ice Bridge	01 July,2022 to 01 July,2024
Ice Bridge Portable Bridge	
	01 July,2022 to 01 July,2024 Permanent Crossing:
Portable Bridge Rail Car Bridge Timber Bridge	
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing	Permanent Crossing:
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert	Permanent Crossing: Proposed Install Date: Crossing Duration: Years
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing	Permanent Crossing: Proposed Install Date:
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert X	Permanent Crossing: Proposed Install Date: Crossing Duration: Years
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert	Permanent Crossing: Proposed Install Date: Crossing Duration: Years
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert X Installation & Removal Notes:	Permanent Crossing: Proposed Install Date: Crossing Duration: Remove after Renewal Activities:
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert Installation & Removal Notes: If a snow and ice crossing is used after harvest is completed the surface of the sn	Permanent Crossing: Proposed Install Date: Crossing Duration: Remove after Renewal Activities:
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert Installation & Removal Notes: If a snow and ice crossing is used after harvest is completed the surface of the sn constructed to allow for flow during the spring melt. The snow and ice crossing will	Permanent Crossing: Proposed Install Date: Crossing Duration: Remove after Renewal Activities:
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert X Installation & Removal Notes: If a snow and ice crossing is used after harvest is completed the surface of the sn constructed to allow for flow during the spring melt. The snow and ice crossing will A minimum 24 inch cuvlert is required. Cordoroy and/or geotextile may be used.	Permanent Crossing: Proposed Install Date: Crossing Duration: Remove after Renewal Activities: ow and ice crossing will be cleaned off and a trench will be limelt and the area will return to near natural conditions.
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert Installation & Removal Notes: If a snow and ice crossing is used after harvest is completed the surface of the sn constructed to allow for flow during the spring melt. The snow and ice crossing will A minimum 24 inch cuvlert is required. Cordoroy and/or geotextile may be used. After harvest is completed the culvert will be removed and the road approaches w	Permanent Crossing: Proposed Install Date: Crossing Duration: Remove after Renewal Activities: ow and ice crossing will be cleaned off and a trench will be melt and the area will return to near natural conditions.
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert X Installation & Removal Notes: If a snow and ice crossing is used after harvest is completed the surface of the sn constructed to allow for flow during the spring melt. The snow and ice crossing will A minimum 24 inch cuvlert is required. Cordoroy and/or geotextile may be used.	Permanent Crossing: Proposed Install Date: Crossing Duration: Remove after Renewal Activities: ow and ice crossing will be cleaned off and a trench will be melt and the area will return to near natural conditions.
Portable Bridge Rail Car Bridge Timber Bridge Snow and Ice Xing Arch Culvert Round Culvert Installation & Removal Notes: If a snow and ice crossing is used after harvest is completed the surface of the sn constructed to allow for flow during the spring melt. The snow and ice crossing will A minimum 24 inch cuvlert is required. Cordoroy and/or geotextile may be used. After harvest is completed the culvert will be removed and the road approaches w	Permanent Crossing: Proposed Install Date: Crossing Duration: Remove after Renewal Activities: ow and ice crossing will be cleaned off and a trench will be melt and the area will return to near natural conditions.

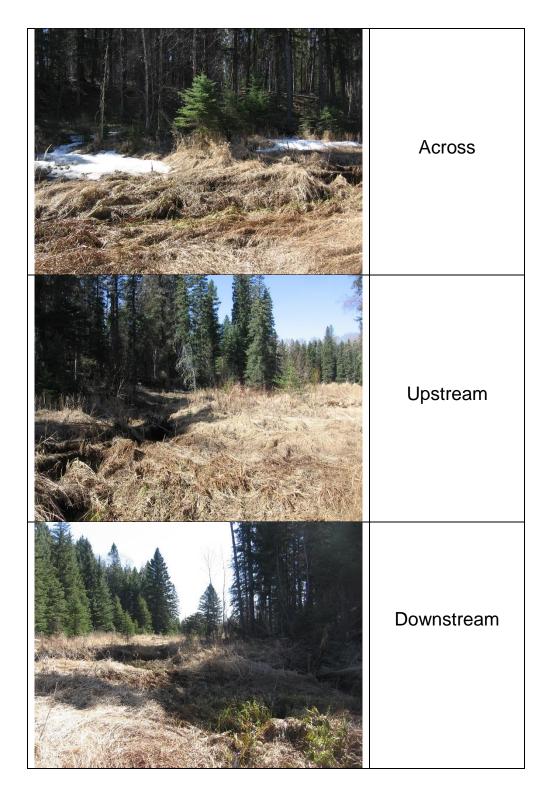




Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

Crossing Name: WJL-C42	Ownership: LP
Operating Area: Watjask Lake	Contingency Crossing:
UTM Northing: 5729431	UTM Easting: 338097
Stream Type: Seasonal	Land Description: SE34-31-28W
Watercourse Name: N/A	Crossing Inspection Date: 11-May-2021
Channel Width (m): 0.5	Stream Assessment Required:
Water Depth (m): 0.1	Stream Assessment Complete:
Road Name: WJL-1R-1A-1A	
Site Description:	
Crossing is a stream in mixedwood stand. Stream is in a sedge run which h	nas been flooded in the past. There is approximately 30 meters of
sedge at crossing location. Good flow at time of inspection. Substrate is org	
	•
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Preferred Alternate	Temporary Crossing:
	i sumposum, sinosomig.
Ice Bridge	01 July,2022 to 01 July,2024
Portable Bridge	Permanent Crossing:
Rail Car Bridge	
Timber Bridge Snow and Ice Xing	Proposed Install Date:
Arch Culvert	Crossing Duration: Years
Round Culvert X	Remove after Renewal Activities:
	Remove after Reflewar Activities.
Installation & Removal Notes:	
If a snow and ice crossing is used after harvest is completed the surface of constructed to allow for flow during the spring melt. The snow and ice cross	
A minimum 24 inch culvert is required. Cordoroy and/or geotextile may be u	-
After harvest is completed the culvert will be removed and the road approach	
will be seeded with grass and erosion control matting or straw mulch will be	
· · · · · · · · · · · · · · · · · · ·	



LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Cut Block Name: WJL-124 Twp & Rge: t31r28w Cut Block Size: 106.5 ha **OPERATING AREA: Watjask Lake** Ownership: Open Crown Mapsheet: 330572 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Ht (m) Vol % m3/ha Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 23.1 37 61% 139 14,777 TA 131 ws BS ВF BA 20.0 31 2 1% 182 Uniform 230 2987 **WB** 16.9 23 6% 14 1,491 Clumped Clumped Total HW 68% 154 16,450 **Eco Land Classification Soils Summary** WS 20.8 34 119 38 4.052 1st 2nd 3rd BS 23 361 16.7 1% 3 LFH(cm) S-Type Moisture **Surface Texture** JP 0% n n 13 V Type 08 09 05 Loam **S5** BF 17.0 24 14% 31 3,276 **Eco Site** 33 Total SW 32% 7,689 72 **Block Total:** 227 24,139 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 2,344 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 1,095 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **UNDERSTOREY PROTECTION** PILE & BURN **FROZEN SELECTION** DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS MFZ-15 Located on the E side. Variable MFZ to 15m buffer. Flag as shown on map. Stream Wetland MFZ Located on the NE side. Structure will be maintained. Flag as shown on map. MFZ Wetland Located on the W side. Structure will be maintained. Flag as shown on map

WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 852 to 1,278 trees. Ιx

SEVERE EROSION RISK POTENTIAL:

HARVEST COMMENTS/ISSUES:

Approximately 1/4 of this block was harvested in 2018-19. The volumes shown indicate this.

Approximately 80% of this block has been harvested. Volumes shown indicate this.

This block exceeds the 100 hectare guideline. Topography and leave areas will mitigate any LOS concerns.

Maintain a maximum of 20 WDP's approximately 30-70 m from the block edge adjacent to buffers along riparian areas and adjacent to softwood forest types outside the block

Maintain structure on IBWC's located near plots 20 and 18. These are both small alder swales.

Watjask Lake

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

				RE	ΝE	WAL PR	ESCRIP1	TION INFO	ORMATIO	N				
						E PREPARATIONS				SNOW CACHE:				
Species	Natural	Advanced	Assisted			PREF. AL	.т.			REI	NEWA	L COVERTYPE: N		
TA	×					\Box	DRAG			RF	NFW	AL ACCESS		
ВА	x	Ш	Ц			$H \vdash$	MOUN			IXE	_			
WB	x	H	Н			$H \vdash$	TRENC				X	ATV		
ws	\vdash	X	X			H	4	R RIPPER PLANT			Н	HELICOPTER		
BS JP	\vdash	H	H				ANLA	FLANT			Ш	TRUCK		
BF		H	Н											
					1						_			
Year		ction	Area (ha)	Alternate	l	Year	Season	lanting Sun Species	nmary Density	Total	-	Survey Sur Type	Series	Year
Teal	 ^	Ction	Alea (lia)	Aiternate	l	2023	Sp	WS	1600	63000	 	Plantation Survival	First	2024
	1		1	I	J		1		1	30000	' ├	Regeneration	First	2033
RENEWAL	COMME	NTS/ISSUE	S:											
South ha	alf of block	is being pla	nted, ensure A	ATV access.										
			stems/ha and	<6m in height	are lo	ocated in th	e SE portio	on of the blo	ck (plots 9 a	nd 15). Clump	s of ur	nderstory will be		
	d in patche													
		story >500 st maintained		6m in height a	ire lo	cated throu	ightout the	block (19 pl	ots). These	area will be ha	arveste	ed with concentrated		
		,												
				PR	ESC	CRIPTIO	N REVIE	W AND M	IITIGATIO	N				
		INTERN	NAL REVIEW						TERNAL R					
		X PL	ANNING					آب ا	1 сприт	ED TO IDMT	on 404	124/47		
			ILDLIFE					X	4	ED TO IRMT CONCERNS				
			LVICULTURE					Ľ] ALL IIKWI	OONOLINIC) IVII I I	JATED		
IRMT Concer	ns and Com						Mitigati	ion Strategy:						Mitigated
No conce	rne						Ok.							
No conce	ms.						OK.							x
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							1							
							1							

Watjask Lake - WJL-124

PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 Cut Block Name: WJL-125 Twp & Rge: t31r28w Cut Block Size: 98.9 ha **OPERATING AREA: Watjask Lake** Ownership: Open Crown Mapsheet: 330572 LICENCE: FML 3 Management Unit: 13 Land Status: Backcountry PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Age (yr) Avg Ht (m) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 22.5 33 59% 134 13,265 TA 82 ws BS BF 28 1,031 BA 20.5 5% 10 Uniform 305 Uniform 1500 **WB** 17.0 23 3% 8 755 64 Clumped Total HW 67% 152 15,051 **Eco Land Classification Soils Summary** WS 19.6 29 4,426 98 20% 45 1st 2nd 3rd BS 20 2% Moisture 156 359 LFH(cm) S-Type Surface Texture JP 0% 0 09 V Type 08 13 04 Silt Loam **S5** BF 76 18.1 27 12% 28 2,742 **Eco Site** 42 23 05 S3 2 Loam Total SW 33% 7,527 76 **Block Total:** 228 22,578 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 3,463 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 1,739 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **UNDERSTOREY PROTECTION FROZEN SELECTION** PILE & BURN DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ Located on S side. Structure will be maintained. Flag as shown on map. Wetland Wetland 15-30 Located along W side. Variable 15 to 30m buffer. Flag as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 791 to 1,187 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:**

This block borders the backcountry zone. The east boundary will be flagged using GPS to ensure no encroachment into the park. Boundary has been designed to follow natural features where possible.

Approximately 3/4 of this block was harvested in 2021/22. Volumes shown indicate this.

Maintain a maximum of 19 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible.

Watjask Lake

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

				RE	ENEWAL	. Pl	RESCRIP	TION INF	ORMATIO	N				
RENEW	VAL STRA	TEGY BY	SPECIES			SIT	TE PREPAI	RATIONS		SNO	W CA	ACHE:		
Species	Natural	Advanced	Assisted		PREF	Ŧ. ,	ALT.			REN	IEWA	L COVERTYPE: N		
TA	х						DRAG			DEI		AL ACCESS		
ВА	х						MOUN	ID		KEI	NEW/	AL ACCESS		
WB	x	Ш	Ц			ŀ	TREN				Х	ATV		
WS	Н	X	X		X	1	_	ER RIPPER PLANT			Н	HELICOPTER TRUCK		
BS JP	Н	Н	Н		اڪا	L	AINLA	LANI			Ш	TRUCK		
BF	H	H	\vdash											
		eprep Sum			1 —			Namtina C.			г	Survey Sur	nmary	
Year		tion	Area (ha)	Alternate	Y	ear	Season	Planting Sur Species	Density	Total	H	Type	Series	Year
					20)23	Sp	WS	1600	28080		Plantation Survival	First	2024
				-				•				Regeneration	First	2033
RENEWAL	COMMEN	TS/ISSUE	ES:											
Areas of		ory >500 st	tems/ha and <	<6m in height a		thro	oughout the	block (Plots	3,5,9,11,13,	15,17,19,21,27	7,29,3	3 & 37). These areas		
		INTERN	NAL REVIEV		RESCRIP	TIC	ON REVIE		MITIGATIO (TERNAL R					
		X PL	_ANNING					Тх	7 SUBMITT	ED TO IRMT	on 11 /	/16/18		
		\vdash	ILDLIFE					x	-	CONCERNS				
		X SII	LVICULTURE					_	_					
IRMT Concer	rns and Comm	nents:					Mitiga	tion Strategy:	:					Mitigate
One cent	tral ATV acce	ess for rene	ewal. Review	renewal map,	possible		Agre	ed. Areas ne	eed to be det	ermined at tim	e of h	arvest based on		x
	for closure.	rmatian far	- VA/ II. 4D					rstory retent		O) or of work m	ormit			l
Require	crossing info	rmation for	WJL-TR.				VVIII	provide this :	summer (201	9) or at work p	ermit.	•		<u> x</u>

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 Cut Block Name: WJL-126 Twp & Rge: t31r28w Cut Block Size: 55.8 ha **OPERATING AREA: Watjask Lake** Ownership: Open Crown Mapsheet: 330572 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Age (yr) Avg Ht (m) Vol (m3) Understory Stems/ha and Distribution 23.7 39 46% 88 4,894 TA 83 ws BS ВF 33 10 538 BA 5% 22 7 Uniform 218 Uniform 1764 **WB** 20.4 27 3% 7 364 Total HW 55% 104 5,796 **Eco Land Classification Soils Summary** 2,642 WS 21.5 33 106 25% 1st 2nd 3rd BS 20 2% LFH(cm) Moisture 14.5 167 S-Type Surface Texture 3 JP 0% 0 08 V Type 13 09 09 Clay Loam **S5** BF 64 16.4 17 18% 35 1,930 **Eco Site** 34 23 10 S6 2 Silt Loam Total SW 45% 4,739 85 **Block Total:** 189 10,535 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 1,580 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 1,292 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ-15 Lake Located on S side. Variable MFZ to 15m buffer. Harvest as shown on map MFZ Meadow Located on the W and N sides. Structure will be maintained. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 446 to 669 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Maintain a maximum of 10 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible. Approximately 40 ha's of this block was harvested in 2021. The volumes shown indicate this.

Watjask Lake

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

			REN	EWAL PRE	JOINI I	ION INFO	JRMATIO	N			
RENEWAI	L STRATEGY E	Y SPECIES		SITE	PREPAR	ATIONS		SNOW	CACHE:		
Species N	latural Advance	d Assisted		PREF. ALT	·.			RENEW	AL COVERTYPE: N		
TA	x			ПП	DRAG						
ВА	$ \mathbf{x} $				MOUNI	D		RENEV	VAL ACCESS		
WB	x				TRENC	Н		<u>></u>	ATV		
ws	x	х		Ц Ц		R RIPPER			HELICOPTER		
BS	\sqcup			X	AREA F	PLANT			TRUCK		
JP	\vdash	H									
BF	⊔ ⊔										
	Siteprep S	ummary			PI	lanting Sun	nmary		Survey Sun	nmary	
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	Туре	Series	Year
				2023	Sp	WS	1800	31680	Plantation Survival	First	2024
DENEWAL OF	OMMENTO/ICC	UEO.							Regeneration	First	2032
	OMMENTS/ISS										
	3 understory >500	stems/ha and <	6m in height is lo	cated in the ce	ntral porti	on of the blo	ock (plot 15).	Clumps of under	story will be protected		
in patches.	lock being planted	L opeuro ATV or	2000								
•	•			1		de els (Diete	E 7 0 44 40 .	15 47 0 40) There			
	F understory >500 with concentrated			located throug	nout the b	DIOCK (Plots	5,7,9,11,13,	15,17 & 19). Thes	e areas will be		
narvested v	with concentrated	ciumps of BF bi	eing maintained.								
			PRE	SCRIPTION	REVIE	W AND M	ITIGATIO	N			
	INTE	RNAL REVIEV	V			EX	TERNAL R	EVIEW			
	х	PLANNING									
	x	WILDLIFE				x	,		1/16/18		
		SILVICULTURE				X	SUBMITT	ED TO IRMT on 1			
IRMT Concerns a	_					x	SUBMITT				
	and Comments:				Mitigatio	_	SUBMITT	ED TO IRMT on 1			Mitigated
		.	nlata 4 and 0		1	X on Strategy:	SUBMITT ALL IRMT	ED TO IRMT on 1	FIGATED		¬
	and Comments: ssing information	for area around	plots 1 and 3.		1	X on Strategy:	SUBMITT ALL IRMT	ED TO IRMT on 1	FIGATED		Mitigated
		for area around	plots 1 and 3.		1	X on Strategy:	SUBMITT ALL IRMT	ED TO IRMT on 1	FIGATED		¬
		for area around	plots 1 and 3.		1	X on Strategy:	SUBMITT ALL IRMT	ED TO IRMT on 1	FIGATED		¬
		for area around	plots 1 and 3.		1	X on Strategy:	SUBMITT ALL IRMT	ED TO IRMT on 1	FIGATED		¬
		for area around	plots 1 and 3.		1	X on Strategy:	SUBMITT ALL IRMT	ED TO IRMT on 1	FIGATED		¬
		for area around	plots 1 and 3.		1	X on Strategy:	SUBMITT ALL IRMT	ED TO IRMT on 1	FIGATED		¬
		for area around	plots 1 and 3.		1	X on Strategy:	SUBMITT ALL IRMT	ED TO IRMT on 1	FIGATED		¬
		for area around	plots 1 and 3.		1	X on Strategy:	SUBMITT ALL IRMT	ED TO IRMT on 1	FIGATED		¬
		for area around	plots 1 and 3.		1	X on Strategy:	SUBMITT ALL IRMT	ED TO IRMT on 1	FIGATED		¬
		for area around	plots 1 and 3.		1	X on Strategy:	SUBMITT ALL IRMT	ED TO IRMT on 1	FIGATED		¬
		for area around	plots 1 and 3.		1	X on Strategy:	SUBMITT ALL IRMT	ED TO IRMT on 1	FIGATED		¬
		for area around	plots 1 and 3.		1	X on Strategy:	SUBMITT ALL IRMT	ED TO IRMT on 1	FIGATED		¬
		for area around	plots 1 and 3.		1	X on Strategy:	SUBMITT ALL IRMT	ED TO IRMT on 1	FIGATED		¬

Watjask Lake - WJL-126

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102 Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Name: WJL-133 Twp & Rge: t31r28w Cut Block Size: 55.0 ha **OPERATING AREA: Watjask Lake** Ownership: Open Crown Mapsheet: 330572 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution 22.1 29 47% 141 7,730 TA ws BS ВF ВА 41 24 9 18% 2 890 53 Uniform 200 Uniform 700 **WB** 19.3 22 4% 11 597 Total HW 68% 204 11,217 **Eco Land Classification Soils Summary** 5,030 WS 23.1 38 75 1st 2nd 3rd BS 0 LFH(cm) 0% S-Type Moisture Surface Texture 0 JP 0% 0 n 05 V Type 08 13 Silty Clay Loam 16 **S6** BF 18.0 31 1% 178 **Eco Site** 31 Total SW 32% 5,208 95 **Block Total:** 299 16,425 Cover Type: N IBWC Cnt: 1 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 10,656 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 4,948 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ Located on the W side. Structure will be maintained. Harvest as shown on map. Flood 15-50 Stream Located on the E/NE side. Variable 15 to 50m buffer. Harvest as shown on map 15-100 Stream Stream/wetland complex located on the S side. Variable 15 to 100m buffer. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 440 to 660 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Maintain a max of 11 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block Maintain existing trail on west side and center of block free of debris.

Watjask Lake

Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

			RENEV	AL PRE	SCRIPT	TION INFO	ORMATIO	V			
RENEW	AL STRATEGY BY	SPECIES		SITE	PREPAR	RATIONS		SNOW	CACHE:		
Species	Natural Advanced	Assisted	ı	PREF. ALT	г.			RENE	WAL COVERTYPE: N		
TA	x			\Box	DRAG			DENE	WAL ACCESS		
BA	x				MOUN			KENE	WAL ACCESS		
WB	x L			$\vdash\vdash\vdash$	TRENC	CH ER RIPPER		-	X ATV		
WS BS	H	X		H		PLANT		-	HELICOPTER TRUCK		
JP	H	H		ں ک				L	- INOOK		
BF	H										
	Siteprep Sun					lanting Sun	amanı		Survey Sum	marv	1
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	Туре	Series	Year
		, ,		2022	Sp	WS	1600	28080	Plantation Survival	First	2023
		_		<u> </u>					Regeneration	First	2032
	COMMENTS/ISSUE										
	t side of block being pl										
Area of V patches.	VS understory >500 s	tems/ha and <	6m in height is locate	ed in the E	portion of	f the block (p	olot 14). Clun	nps of understory	y will be protected in		
-	BF understory >500 s	tems/ha and <	<6m in height are loc	ated in the	central ar	nd eastern p	ortion of the	olock (Plots 11,	13, 17 and 19). These		
	ll be harvested with co					·			,		
			PRESC	RIPTION	PEVIE!	W AND M	IITIGATIO	V			
	INTERI	NAL REVIEW		KIP HON	IXEVIL						
			V				TERNAL RI	EVIEW			
		LANNING				х	4	ED TO IRMT on			
	<u> </u>	ILDLIFE				х	ALL IRMT	CONCERNS M	ITIGATED		
IDMT O		LVICULTURE	:								14141 4 d
	ns and Comments:				Mitigati	ion Strategy:					Mitigated
	ccess to be left for pla	nting. See ope	erating area general		Agree	ed.					X
comments						Ju.					
						ou.					

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Fax: 204-734-3646 Cut Block Name: WJL-134 Twp & Rge: t31r28w Cut Block Size: 203.6 ha **OPERATING AREA: Watjask Lake** Ownership: Open Crown Mapsheet: 330572 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Age (yr) Avg Ht (m) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 23.3 34 57% 127 25,805 TA ws BS ВF 37 1.355 BA 21.8 3% 546 Uniform Uniform 2261 **WB** 17.8 27 7% 15 3,082 Total HW 67% 149 30,242 **Eco Land Classification Soils Summary** WS 118 20.0 31 9.595 21% 47 1st 2nd 3rd BS LFH(cm) 0% 0 S-Type Moisture **Surface Texture** 0 JP 0% n n 05 V Type 08 13 Loam 12 **S5** BF 46 17.7 25 12% 27 5,481 **Eco Site** 31 Total SW 33% 15,076 74 **Block Total:** 223 45,318 Cover Type: N IBWC Cnt: 1 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 28,730 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 14,322 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS Wetland 30-50 Wetland/stream complex located on the E side. Variable 30 to 50m buffer. Harvest as shown on map Wetland 30-50 Located along the W side. Variable 30 to 50m buffer. Harvest as shown on map. Lake 30 Located on the NW side. Harvest as shown on map Other 100 Travertine located on the E side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 1,629 to 2,443 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Maintain a max of 40 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block Maintain existing access that is located in the south portion of the block. Trail accesses bear bait near plot 7. Contact bait holder if posted.

Watjask Lake

FML 3 2023 - Harvest

LDING SOLU	TIONS Fa	x: 204-734	1-3646											
				DE	-NI-VA	AL DD	COODID	TON INE	DMATIO					
				RE	:NEW	AL PR	ESCRIPT	ION INFO	DRMATIO	N		_		
RENEV	VAL STRA	TEGY BY	SPECIES			SITE	PREPAR	ATIONS		SNO	OW CA	ACHE:		
Species	Natural	Advanced	Assisted		P	REF. AL	.T.			REI	NEWA	L COVERTYPE: N		
TA	х		Ц			_ _	DRAG			RE	NEW	AL ACCESS		
BA	X		Н		ŀ		MOUNI					l		
WB WS	×	l .	H		ł		TRENC	R RIPPER			X	ATV HELICOPTER		
BS	Н	×	X		ł	\forall	AREA				Y	TRUCK		
JP	H		H		L		_				ث	moon		
BF														
		— •			1 _						Г	Sumov Sum	manı	
Year		teprep Sum	Area (ha)	Alternate	┨	Year	Season	Species	Density	Total	F	Survey Sum	Series	Year
ı cui	+^		Area (na)	Alternate	┧┟	2022	Sp	WS	1600	104400	F	Plantation Survival	First	2023
					, _L				.000		F	Regeneration	First	2032
RENEWAL	COMMEN	NTS/ISSUE	S:											
				<6m in height	are loc	ated prim	arlily in the	N portion o	f the block (1	1 plots as sh	own o	n map). Clumps of		
		rotected in p	•	Cm in boight o	ro loog	tad throu	about the h	alook (20 ple	uto oo obouwo	on mon). The		and will be benieded		
			ems/na and < being mainta		ire ioca	itea trirou	ignout the t	JIOCK (30 PIC	ols as shown	on map). The	ese are	eas will be harvested		
Lots of I	BF, will insp	ect at harve	est to estimate	how much WS	S will be	e planted	in the bloc	k.						
Would p	olant North t	op of block,	so ensure AT	V access if red	quired.									
				PR	ESCF	RIPTION	N REVIE	W AND M	ITIGATIO	N				
		INTERN	IAL REVIEW	1				EX	TERNAL R	EVIEW				
		X PL	ANNING					х	SUBMITT	ED TO IRMT	on 10	/29/21		
		_	ILDLIFE					X		CONCERNS				
		_	LVICULTURE						ı					
RMT Conce	rns and Com	ments:					Mitigati	on Strategy:						Mitigate
Is this blo	ock hilly. Lo	na straight r	nad will make	LOS requirem	nents		This h	lock has so	me hills. The	BE and WS	under	story protection patches		ا ك
difficult to	•	ng straight i	oau wiii make	LOS requirem	iciits							ents will be met.		X
			sure. Closure l	between seaso	ons and	d				sed between				X
Minimal a			nting. See ope	erating area ge	eneral		Agree	d.						[x
The buffe		st side shou	ıld be increase	ed to 30 to 50n	n.		Agree	d.						[x
			ased to 30 to 5				Agree							X
			ased to 30m.				Agree							I₩
Lunc	. 3451 51101						. igi 00							
I							I							

PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 Cut Block Name: WJL-138 Twp & Rge: t31r28w Cut Block Size: 69.9 ha **OPERATING AREA: Watjask Lake** Ownership: Open Crown Mapsheet: 330572 LICENCE: FML 3 Management Unit: 13 Land Status: Backcountry PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Age (yr) Avg Ht (m) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 22.1 30 82% 249 17,411 TA 86 ws BS ВF BA 0% O 0 418 Uniform 247 **WB** 17.5 21 2% 5 344 Clumped Total HW 84% 254 17,755 **Eco Land Classification Soils Summary** WS 19.0 28 16% 49 3.411 1st 2nd 3rd BS 0% Moisture 0 LFH(cm) S-Type **Surface Texture** 0 JP 0% 0 n 08 V Type 13 Sandy Clay Loam 10 **S5** BF 15.5 32 0% 44 **Eco Site** 23 32 04 S5 2 Silt Loam Total SW 16% 3,455 49 05 S5 Loam **Block Total:** 304 21,210 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 16,896 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 3,287 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **UNDERSTOREY PROTECTION** PILE & BURN **FROZEN SELECTION** DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS Wetland MFZ Located on the NE side. Structure will be maintained. Harvest as shown on map Flood 15 Located along the N side. Harvest as shown on map. Wetland 15 Located on the SW side. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 559 to 838 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** This block borders the backcountry zone. The east and south boundary will be flagged using GPS to ensure no encroachment into the park. Boundary has been designed to follow natural features where possible. Maintain a maximum of 13 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible.

Watjask Lake

FML 3 2022 - Harvest

	Phon	e: 204-7	'34-4102											
JILDING SOLUT	TIONS Fax: 2	204-734	-3646											
				RE	NEV	/AL PR	ESCRIPT	TION INF	ORMATIO	N				
RENEW	/AL STRATE	GY BY	SPECIES			SITE	PREPAR	ATIONS		SN	IOW CA	CHE:		
Species		dvanced			ı	PREF. A				RE	NEWAI	COVERTYPE: H		
TA	х	П				ПΓ	DRAG							
ВА							MOUN	D		RE	NEWA	AL ACCESS		
WB	х	Ц				$\sqcup \sqcup \bot$	TRENC					ATV		
WS		X	H			$H \vdash$	AREA	R RIPPER			\vdash	HELICOPTER		
BS JP	\vdash	Н	Н				AINLA	LAN			Ш	TRUCK		
BF		H	H											
	Citor				1 г			I			1 [Sumray S	ummoni	1
Year	Actio	rep Sumi	Area (ha)	Alternate	-	Year	Season	Species	Density	Total	┨	Survey S Type	Series	Year
100.	710110	,,,	Alou (IIu)	Altornato	-	- roui	Ocuson	Openies	Density	Total	1	Reforestation	First	2027
			l		י נ			l			J L			
RENEWAL	COMMENTS	S/ISSUE	S:											
				<6m in height a	are lo	cated in th	ne S, SE an	d W portion	s of the bloc	k (plots 3,9,1	1,15,19	& 31). Clumps of		
1	ory will be prote BF understory			6m in height a	ire loc	ated in th	e NW portic	on of the blo	ck (Plots 23	& 31). These	areas v	will be harvested		
	centrated clum								· ·	,				
				PR	ESC	RIPTIO	N REVIE	W AND N	IITIGATIO	N				
		INTERN	AL REVIEW	,				EX	TERNAL R	EVIEW				
		X PL	ANNING					х	1 SUBMITT	ED TO IRMI	⊺on 11/	16/18		
		x WIL	LDLIFE					x	4	CONCERN				
		X SIL	VICULTURE											
IRMT Concern	ns and Commer	nts:					Mitigati	on Strategy:						Mitigated
		cture for	wildlife corrid	or (15-30m). P	ossibl	е	If it is	an old acce	ss it does no	ot require a b	uffer.			x
		from NE	to SW. Discu	uss increase(15	5-30) i	n	It app	ears to be a	in old access	s, not a draina	age.			х
	details WJL-10	Q-1B.					Will be	e provided v	with the work	permit appli	cation.			x

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Fax: 204-734-3646 Cut Block Name: WJL-139 Twp & Rge: t31r28w Cut Block Size: 210.0 ha **OPERATING AREA: Watjask Lake** Ownership: Open Crown Mapsheet: 330572 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Age (yr) Avg Ht (m) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 42 29% 64 13,440 TA 90 24.2 ws BS BF 41 10 BA 22 9 5% 2 183 398 Uniform 1049 **WB** 17.6 27 7% 16 3,452 Uniform Total HW 41% 91 19.075 **Eco Land Classification Soils Summary** WS 23.9 38 58 12.180 26% 1st 2nd 3rd BS 25 1% 2 LFH(cm) 109 195 333 S-Type Moisture Surface Texture JP 0% n n 08 21 V Type 13 Silt Loam 13 **S3** BF 78 18.2 23 32% 72 15,109 **Eco Site** 23 Total SW 59% 27,622 132 **Block Total:** 222 46,697 Cover Type: M IBWC Cnt: 2 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 18,120 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 26,241 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **UNDERSTOREY PROTECTION FROZEN SELECTION** PILE & BURN DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS MFZ-30 Small wetlands located along the W side. Variable MFZ to 30m buffer. Harvest as shown on map. Wetland Wetland MFZ-30 Located on the SW side. Variable MFZ to 30m buffer. Harvest as shown on map. **Ephemeral Drain** 45 Located on the E side. Harvest as shown on map Wetland 30 Located on the SE corner. Harvest as shown on map Wetland 30 Located on the N and NE sides. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 1,680 to 2,520 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Maintain a max of 40 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block

Watjask Lake

Approximately 55% of the softwood in this block is Balsam Fir (BF). Most of this will not be harvested. This block shows as an M stand but will probably

Maintain structure along IBWC's located near plots 19 and 37. Crossing WJL-C25 is on the IBWC near plot 19.

be an N stand when most of the BF is left.

This is a large block that is very hilly which will help maintain LOS.

FML 3 2022 - Contingency

ILDING SOLUT	rions Fax	: 204-734	-3646											
				RE	NEWA	L PR	ESCRIPT	TION INFO	ORMATIO	N				
RENEW Species TA BA WB WS BS JP BF	Natural X X X X	Advanced X			PRE	EF. AL	DRAG MOUN TRENG	D CH :R RIPPER		REN	NEWA	ACHE: D L COVERTYPE: M AL ACCESS ATV HELICOPTER TRUCK		
					ı —			1		1	Г	Sumana Sum		
Year	Act	prep Sum	Mary Area (ha)	Alternate	l	Year	Season	lanting Sun Species	Density	Total	-	Survey Sum Type	Series	Year
Teal	ACI	1011	Alea (IIa)	Aiternate	! —	2023	Sp	WS	1800	320040	-	Plantation Survival	First	2024
	1				J L				1000	0200.0	F	Regeneration	First	2033
RENEWAL	COMMENT	rs/Issue	S:								_			
		INTERN	AL REVIEW		ESCRI	PTIO	N REVIE		ITI GATI O TERNAL R					
									_					
		X PL	LDLIFE					X	SOBMILI	ED TO IRMT				
		_	VICULTURE						J ALL HAWI	OONOLINIO	· WII I I	3/(TEB		
IRMT Concern	ns and Comm	ents:					Mitigat	ion Strategy:						Mitigat
This block Wetland b Minimal accomments Minimal accomments	ccess to be I s. ccess to be I	eut last on t d be increa eft for plan eft for plan	the way out. ased to 30m mating. See open	ninimum. erating area ge			152 a Agree 152 a	re harvested	d. k will be har d.		ocks \	NJL-124, 125, 150 and NJL-124, 125, 150 and		X X X

PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 Cut Block Name: WJL-150 Twp & Rge: t31r28w Cut Block Size: 38.0 ha **OPERATING AREA: Watjask Lake** Ownership: Open Crown Mapsheet: 330572 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Ht (m) Vol % m3/ha Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 23.6 35 62% 168 6,377 TA ws BS BF 37 BA 23.3 2% 170 4 250 Uniform 40 1420 **WB** 15.5 29 1% 4 141 Clumped Uniform Total HW 65% 176 6,688 **Eco Land Classification Soils Summary** WS 21.5 35 2.998 29% 1st 2nd 3rd BS 16.5 1% 14 52 LFH(cm) S-Type Moisture Surface Texture JP 0% n n 05 V Type 08 13 Silty Clay Loam 04 **S5** BF 69 15.9 23 6% 16 619 **Eco Site** 52 Total SW 35% 3,669 97 **Block Total:** 273 10,357 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 6,353 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 3,485 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **UNDERSTOREY PROTECTION** PILE & BURN **FROZEN SELECTION** DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS MFZ Located on the NE side. Structure will be maintained. Harvest as shown on map. Wetland Wetland 30-50 Located on the S side. Variable 30 to 50m buffer. Harvest as shown on map. Wetland 15-30 Located on the W side. Variable 15 to 30m buffer. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 304 to 456 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block borders the backcountry zone. The east and south boundary will be flagged using GPS to ensure no encroachment into the park. Boundary has been designed to follow natural features where possible. Maintain a max of 7 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block.

Watjask Lake

FML 3 2022 - Harvest

ILDING SOLUT	TIONS Fax	x: 204-734	4-3646											
				RE	NE	WAL PR	ESCRIP	TION INFO	ORMATIO	N				
RENEW Species TA BA WB WS BS JP BF	VAL STRA Natural X X X	Advanced				SITE PREF. A	DRAG MOUN TRENG WINTE	D		REN		ACCESS ATV HELICOPTER TRUCK		
	Sit	eprep Sum	nmarv		1		P	lanting Sun	nmary		Г	Survey Sum	marv	
Year		ction	Area (ha)	Alternate		Year	Season	Species	Density	Total	H	Type	Series	Year
]	2022	Sp	ws	1600	38880		Plantation Survival	First	2023
RENEWAL	COMME	ITO/IOO! !F			-		-	-				Regeneration	First	2032
		INTERN	NAL REVIEW		ESC	CRIPTIO	N REVIE		ITIGATIO TERNAL R					
		X PL X W X SI	LANNING ILDLIFE LVICULTURE					x x	SUBMITT	ED TO IRMT (
created in Minimal a comments	access is conto WJL-139 access to be ts.	reated to the	ne W side. No on the Market No on the Market No on the Market No on the Market No on the Market No on the Market No on the Market No on the Market No on the Market No on the Market No on the Market No on the Market No o	rating area ge		I	Acces	est. If harves ed.				WJL-139 if dry/frozen ough WJL-125.		X X

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Cut Block Name: WJL-151 Twp & Rge: t31r28w Cut Block Size: 22.1 ha **OPERATING AREA: Watjask Lake** Ownership: Open Crown Mapsheet: 330572 LICENCE: FML 3 Management Unit: 13 Land Status: Backcountry PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Ht (m) Vol % Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 22.1 33 24% 81 1,789 TA ws BS ВF 22.5 28 55 BA 16% 1,227 350 Uniform **WB** 0% 0 0 67 Clumped Total HW 40% 136 3,016 **Eco Land Classification Soils Summary** WS 34 3.323 21.3 44% 150 1st 2nd 3rd BS 125 21.9 24 16% 1,176 LFH(cm) 53 S-Type Moisture Surface Texture JP 0% 0 05 13 V Type 08 Silty Clay Loam 08 **S5** BF 0% 0 0 **Eco Site** 36 Total SW 60% 4,499 203 **Block Total:** 340 7,515 Cover Type: M IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 2,865 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 4,273 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **UNDERSTOREY PROTECTION** PILE & BURN **FROZEN SELECTION** DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS 30-50 Stream Located on the W and S sides. Variable 30 to 50m buffer. Harvest as shown on map 15 Wetland Wetland/stream complex located on the N side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 177 to 265 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block borders the backcountry zone. The east and south boundary will be flagged using GPS to ensure no encroachment into the park. Boundary has been designed to follow natural features where possible. Maintain a max of 4 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block.

Watjask Lake

FML 3 2022 - Harvest

LDING SOLUTIONS Fax	x: 204-734-3646								
		RENEV	VAL PRESCR	IPTION INFO	DRMATIO	N			
_	TEGY BY SPECIES		SITE PREP			SNOW	CACHE:		
TA X BA X WB WS BS JP BF	Advanced Assisted X X	·	TRE	AG UND ENCH ITER RIPPER EA PLANT		RENE\	WAL ACCESS ATV HELICOPTER TRUCK		
							0		
	teprep Summary	Alternate	Year Seaso	Planting Sun	Density	Total	Survey Sun	Series	Year
Teal Ac	Alea (lia)	Alternate	2022 Sp	WS	1800	28800	Plantation Survival	First	2023
	<u> </u>						Regeneration	First	2032
		PRESC	RIPTION REV	IEW AND M	ITIGATIO	N .			
	INTERNAL REVIEW			EX	TEDNAL D	EVIEW			
	x PLANNING x WILDLIFE				I EKNAL K				
	X SILVICULTURE			x x	SUBMITT	ED TO IRMT on '			
IRMT Concerns and Comr			Miti	х	SUBMITT				Mitigate

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Contingency

Fax: 204-734-3646 Cut Block Name: WJL-152 Twp & Rge: t31r28w Cut Block Size: 59.8 ha **OPERATING AREA: Watjask Lake** Ownership: Open Crown Mapsheet: 330572 LICENCE: FML 3 Management Unit: 13 Land Status: Backcountry PRE-HARVEST SURVEY INFORMATION Species Avg Ht (m) Avg DBH (cm) Vol % m3/ha Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 26.4 38 59% 155 9,244 TA 111 ws BS BF BA 0% O 0 640 Uniform 10 230 **WB** 0% 0 0 Clumped Uniform Total HW 59% 155 9,244 **Eco Land Classification Soils Summary** WS 35 103 20.1 36% 95 5.670 1st 2nd 3rd BS 16.8 4% 10 86 16 597 LFH(cm) S-Type Moisture **Surface Texture** JP 0% 0 n 08 30 V Type 13 Silty Clay 14 **S6** BF 17.5 26 1% 104 **Eco Site** 31 6,371 Total SW 41% 107 **Block Total:** 15,615 Cover Type: N IBWC Cnt: 1 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 8,781 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 6,052 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **UNDERSTOREY PROTECTION FROZEN SELECTION** PILE & BURN DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS Wetland MFZ-30 Located on the N to NEsides. Variable MFZ to 50m buffer. Large riparian area. Harvest as shown on map. 15-75 Lake/wetland complex located on the SW side. Variable 15 to 75m buffer. Harvest as shown on map. Lake Lake 15-100 Located on the NW side. Variable 15 to 100m buffer. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 478 to 717 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block borders the backcountry zone. The east and south boundary will be flagged using GPS to ensure no encroachment into the park. Boundary has been designed to follow natural features where possible. Maintain a max of 11 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Maintain structure along IBWC located between plots 12 and 13. Small flooded drain.

Watjask Lake

FML 3 2022 - Contingency

			RE	NEWAL P	RESCRIPT	ION INFO	ORMATIO	N				
RENEW	AL STRATEGY BY	SPECIES		SIT	E PREPAR	ATIONS		SNO	W CA	ACHE:		
Species	Natural Advanced	Assisted		PREF.	ALT.			REN	EWAI	L COVERTYPE: N		
TA BA	х	H			DRAG MOUN	D		REN	EWA	AL ACCESS		
WB					TRENC	Н			Х	ATV		
ws	X	х		$\vdash \vdash$	_	R RIPPER			Ц	HELICOPTER		
BS	H	Н		X	AREA	PLANT			Ш	TRUCK		
JP	H	Н										
BF												
	Siteprep Sum	nmary			Р	anting Sum	nmary			Survey Sumn	nary	
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total			Series	Year
				2023	Sp	WS	1600	27720		Plantation Survival	First	2024
DENEWAI	COMMENTS/ISSUE	:e .							L	Regeneration	First	2033
				ESCRIPTIO	N REVIE							
		NAL REVIEW	V			EX.	TERNAL R	EVIEW				
	—	_ANNING				х	4	ED TO IRMT o				
	_	ILDLIFE LVICULTURE				х	ALL IRM	CONCERNS	MITIG	GATED		
IRMT Concern	as and Comments:	LVICOLTOIL			Mitigat	on Strategy:						Mitigated
												¬
Wetland b	uffers should be incre	ased to 30m r	ninimum.			ave buffers at least a 15		ıı wetlands hav	e larg	e riparian areas and mos	t	x

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut B	Block Nam	e: W.II -	200			Twp	& Rge: t31r29	N			Cut	Block	Size: 89.	.8 ha
	RATING ARE					-	ership: Open				Ma	psheet:	320572	
	NCE: FML 3						gement Unit:					nd Statu		
					PRE-H		SURVEY IN		N					
Species	Avg Age (yr)	Avg Ht (m)	Avg DBH (cm)	Vol %	m3/ha	Vol (m3)	OOKVET IIV		nderstor	v Stom	o/bo	and Diet	ribution	
TA	67	24.8	44	55%	121	10,839		WS	iderstor	y Sterri	BS	anu Disti	ibulion	BF
BA WB	67	22.3 14.9	39 29	10% 4%	22 9	1,952 817	190	Uniform		5		nped	5	10 Clumped
Total H	W	14.5	29	69%	152	13,608				<u> </u>	Olui	прец		Olumped
WS	101	19.5	34	19%	41	3,682	Eco La	nd Classificat					Soils Sum	mary
BS JP	126	21.0	27	10% 0%	21 0	1,899 0		1st 2nd		LFH	l(cm)	S-Type	Moisture	e Surface Texture
BF		18.3	27	3%	6	500	V Type	05 08	01	┨┖	11	S6	2	Silt
Total S	W			31%	68	6,081	Eco Site	33		<u> </u>				
Block 1	Total:				219	19,689	Cover Type:	N IBWC C	nt: 3					
				H	ARVES	ST PRES	CRIPTION IN	IFORMATIO	N					
	HARDWOOL) ALLOCATIO	ON: LP						Н	ARDWO	מסכי	VOLUME	E (m3): 12,	927
	SOFTWOOD												E (m3): 5,7	
НА	ARVEST SEAS	SON			HAI	RVEST/SII	LVICULTURE	SYSTEM				5	SLASH A	BATEMENT
	ALL SEASON	1	х	CLEA	RCUT		SHELTERWOO	OD				WH	HOLE TRE	E
	FROZEN			SELE	CTION	х	UNDERSTOR	EY PROTECTI	ON			PIL	E & BURN	N
Х	DRY/FROZE	N		SEED	TREE		AVO	IDANCE				X WL	F DEBRIS	S PILE
				SALV	AGE			CH RETENTIC			l	WH	HOLE TRE	E TOP AT STUMP
BUFFE	R INFORMAT	ION					DES	IGNATED SKI	D TRAIL	.S				
FE	ATURE	WIDTH (m)	DETAILS									l	NOTE : IBV	VC = In Block Water Cour
1 Wet	land	MFZ	Located on the SE	side. Stru	cture will b	e maintained	I. Harvest as shov	n on map.						
2 Wet	land	30	Located on the SW	side. Har	vest as sh	own on map.								
3 Lake	е	15	Watts Lake located	on the N	side. Harv	est as showr	on map.							
SEVERE	E TREE RETE EROSION RI	SK POTEN	_	perating	Guidlines	s leave appi	roximately 718 t	o 1,078 trees.						
Maintai	n a max of 17 V	VDP's approx	ximately 30-70 m	from blo	ck edge	and where	possible adjace	nt to softwood	stands o	utside (of blo	ck.		
Maintai	n structure alon	g IBWC's loc	cated near plots 1	9 and 9.										

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

				REN	EWAL PR	ESCRIPT	TION INFO	ORMATIO	N				
RENEW	VAL STRA	TEGY BY	SPECIES		SITE	PREPAR	ATIONS		s	NOW CA	ACHE:		
Species	Natural	Advanced	Assisted		PREF. AL	.т.			R	ENEWA	L COVERTYPE: N		
TA	х					DRAG			-		AL ACCECC		
ВА	х					MOUN	D		ĸ	ENEW/	AL ACCESS		
WB	х	Ш				TRENC	CH			х	ATV		
ws		x	х		H	4	R RIPPER			Ш	HELICOPTER		
BS	Ш		X		X	AREA I	PLANT				TRUCK		
JP	Н	Н	Н										
BF		Ш	Ш										
	Site	eprep Sum	mary			P	lanting Sun	nmary] [Survey Sur	ımary	
Year	Ac	tion	Area (ha)	Alternate	Year	Season	Species	Density	Total	┧┟	Type	Series	Year
					2024	Sp	BS	1600	504	⊣ ⊢	Plantation Survival	First	2025
RENEWAL	COMMEN	TS/ISSUE	S:		2024	Sp	WS	1600	2016	ال L	Regeneration	First	2034
				6m in height is lo	rated in the S	S nortion of	the block (r	olot 1). Clum	ns of under	etory will	he protected in		
patches		y ∕UUU Ste	cms/nd dnu <	om in neigni is io	cateu III IIIE S	POLITOH OF	ule block (F	Jiot 1). Clum	ps or unders	Story Will	be protected in		
Areas of	f BF underst	ory >500 st	ems/ha and <	6m in height are	located in the	e eastern p	ortion of the	block (Plots	1, 3, 11, 15	& 23). T	These areas will be		
				eing maintained.									
South se	ection of bloo	ck BEING F	PLANTED, en	sure ATV access									
				PRES	SCRIPTION	N REVIE	W AND M	IITIGATIO	N				
		INTERN	IAL REVIEW	1			EX	TERNAL R	EVIEW				
		X PL	ANNING				x	1 SUBMITT	ED TO IRM	T on 10/	120/24		
		<u> </u>	LDLIFE				Îx	4	CONCER				
			VICULTURE				<u> </u>] / (22 (10)	CONCLIN	10 1111111	571125		
IRMT Concer	ns and Comn					Mitigati	on Strategy:						Mitigated
													\neg \vdash
This block after.	k should be	cut and clo	sed before 20	11 and 204 are or	cut	the no	orth island a				de into WJL-200. Will cu accessed by road	t	×
Quality of	f BS patch n	ear middle	of block Is it I	lower quality, cou	ld it		1K-1B-2A. is merchan	itable BS (an	e 125-142 v	rs) and	will be harvested.		
be left for	thermal cov	ver.						DO (dg	,	, and	25 Hai voolod.		X
Minimal a comment		left for plar	nting. See ope	erating area gener	ral	Agree	d.						х
1	.s. n buffer on la	ake to the w	vest.			Agree	ed.						х
						g. 30							

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: WJL-201 Twp & Rge: t31r29w Cut Block Size: 112.0 ha **OPERATING AREA: Watjask Lake** Ownership: Open Crown Mapsheet: 330572 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Age (yr) Avg Ht (m) Vol % Vol (m3) Understory Stems/ha and Distribution 24.6 42 49% 115 12,926 TA ws BS ВF 97 45 BA 21.8 9% 2 437 22 319 Uniform 12 365 **WB** 17.1 31 6% 15 1,664 Clumped Uniform Total HW 65% 152 17,027 **Eco Land Classification Soils Summary** 7,703 WS 21.4 37 100 29% 69 1st 2nd 3rd BS 0% 18.5 26 LFH(cm) S-Type Moisture **Surface Texture** 69 JP 0% n 13 V Type 08 05 Loam 07 **S6** BF 18.7 28 5% 13 1,438 **Eco Site** 32 Total SW 35% 9,210 82 **Block Total:** 234 26,237 Cover Type: N IBWC Cnt: 2 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 16,175 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 8,750 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Watjask Lake located on the S side. Harvest as shown on map. Lake Wetland 30 Located on the NE side. Harvest as shown on map. 15-75 Wetland Wetland/lake complex located on the SE side. Variable 15 to 75m buffer. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 896 to 1,344 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Maintain a max of 22 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block Maintain structure along IBWC's located near plots 27 and 24. These features are crossings WJL-C29 and C30.

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

				REN	NEWAL	. Pl	RESCRI	PTION INF	ORMATIC	NC				
RENEW	VAL STRAT	EGY BY	SPECIES	'		SIT	E PREP	ARATIONS			NOW CA	CHE:		
Species	Natural	Advanced	Assisted		PREF	=. ,	ALT.			F	RENEWAI	L COVERTYPE: N		
TA	х					Γ	DRA	G						
ВА	х	П	П				MOL	JND		F	RENEWA	AL ACCESS		
WB	х						TRE	NCH			х	ATV		
ws		х	х			Ļ	_	TER RIPPER				HELICOPTER		
BS	Ш	Н	Н		Х	L	ARE	A PLANT				TRUCK		
JP BF	Н	Н	Н											
БГ	Ш		Ш											
	Site	prep Sum	mary				_	Planting Sur	mmary	_	IJ L	Survey Sumn	nary	
Year	Act	ion	Area (ha)	Alternate		ear	Seaso	<u> </u>	Density	Total	┙┝		Series	Year
					20)24	Sp	WS	1600	3384	<u>○</u>	Plantation Survival	First	2025
RENEWA	COMMENT	[S/ SSIIE	:s·								L	Regeneration	First	2034
				*0 t 1 - 1 - 1 - 1		4.0	and the		45 40 05	00.07.46.5) 45\ O'	and a few days		
	f WS understored in pa		stems/ha and	<6m in height ar	e located	d thr	roughout t	ne block (plots	s 15, 19, 25,	, 29, 37, 43 8	45). Clu	mps of understory		
-			tems/ha and	<6m in height are	e located	in t	he N porti	on of the block	k (Plots 33,	35 & 43). Th	ese areas	s will be harvested		
			being mainta				•			•				
Planting	first section	of block. E	Ensure ATV a	ccess through b	lock so V	۷JL	-200 can b	e planted.						
				PRE	SCRIP	TIC	ON REV	EW AND N	MITIGATIO	ON				
		INTERN	IAL REVIEV						(TERNAL I					
				•					7	IXE VIEVV				
		$\stackrel{\sim}{\vdash}$	ANNING					x	4	TED TO IRN				
		H	LDLIFE	-				X	ALL IRM	IT CONCER	NS MITIG	GATED		
		ш	LVICULTURE	1										
IRMT Concer	ns and Comm	ents:					Mitig	gation Strategy:	:					Mitigated
This block	k should be t	he last in s	sequence on	this road.			Wil	I cut portions	of WJL-201	while road b	eing mad	le into WJL-200. Will cut		х
									at the start a	ind the north	portion a	ccessed by road		
Minimum	of 30m on w	etlands						L-1K-1B-2A. anged most w	etlands to 3	s0m huffer ex	cent floor	d on the W central side.		
I WIII MINIMIN	or com on w	Caurius.						anged most wanged the SE				a on the woodhild side.		x
Need 100	om buffer on '	Watjask La	ake.							on, following	natural co	ontours. Will include a		х
Minimal a	access to be I	left for plan	nting See on	erating area gen	oral			nimum 30 m b reed.	utter.					
comment		eit ioi piai	iting. See opi	erating area gen	erai		Agi	eeu.						х
1														

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: WJL-202 Twp & Rge: t31r28w Cut Block Size: 99.5 ha **OPERATING AREA: Watjask Lake** Ownership: Open Crown Mapsheet: 330572 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Age (yr) Avg Ht (m) Vol % Vol (m3) Understory Stems/ha and Distribution 24.1 37 61% 158 15,704 TA 93 ws BS ВF 25 BA 17.3 2 239 1% 400 Uniform 35 252 **WB** 18.5 28 3% 8 824 Clumped Clumped Total HW 65% 169 16,767 **Eco Land Classification Soils Summary** WS 20.8 31 6.221 63 1st 2nd 3rd BS 132 18.9 11% 28 19 2.791 LFH(cm) S-Type Moisture Surface Texture JP 0% 0 30 V Type 08 13 03 Loamy Sand **S1** BF 0% 0 0 **Eco Site** 21 Total SW 35% 9,012 91 **Block Total:** 259 25,779 Cover Type: N IBWC Cnt: 2 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 15,929 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 8,561 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ-30 Flat Lake and weltland located along the N side. Varibale MFZ to 30m buffer. Large riparian area. Harvest as shown on map. Lake 30 Lake Flat Lake located on the NE corner. Harvest as shown on map 15-50 Wetland Wetland complex located along the E side. Variable 15 to 50m buffer. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 796 to 1,194 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Maintain a max of 19 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

			RE	NEWAL	Р	RESCRIP	TION INF	ORMATIO	N				
RENEWAL STRATEG	GY BY SPE	CIES		;	SIT	TE PREPA	RATIONS		SNO	OW CA	ACHE:		
Species Natural Adv	vanced Ass	sisted		PREF.		ALT.			REI	NEWA	L COVERTYPE: N		
та х						DRAC	3		DE				
ва х						MOUI	ND		RE	NEW	AL ACCESS		
WB X	\sqcup	_		Н	ļ	TREN				х	ATV		
ws	X X	_		x	ŀ	_	ER RIPPER PLANT			Н	HELICOPTER		
JP	$\vdash\vdash\vdash$	*		ப	L	ANLA	FLANT			Ш	TRUCK		
BF -	\Box	1											
Sitenr	ep Summary						Planting Sui	mmarı/		· _	Survey Sun	mary	
Year Action		rea (ha)	Alternate	Ye	ar	Season		Density	Total	-	Type	Series	Year
				202	24	Sp	BS	1600	8280		Plantation Survival	First	2025
DENEMAL COMMENTO	//COLUED.			202	24	Sp	WS	1600	33840		Regeneration	First	2034
RENEWAL COMMENTS													
Areas of WS understory will be protected in patc		s/ha and <	6m in height a	re located	th	roughout the	e block (plots	s 11, 13, 19, i	25, 27, 29 and	31). (Clumps of understory		
Areas of BF understory		/ha and <6	Sm in height ar	e located	in t	the central p	ortion of the	block (Plots	9, 13, 15 and	17). T	hese areas will be		
harvested with concentr	rated clumps	of BF bei	ng maintained										
Area of BS understory > trees will be left unharve			ed in the NW p	ortion of t	he	block (plot	33). Merchar	ntable trees w	rill be harveste	ed and	unmerchantable		
Planting middle of block													
· ·													
			PRE	ESCRIP'	TI	ON REVIE	W AND N	MITIGATIO	N				
II	NTERNAL	REVIEW					EX	(TERNAL R	EVIEW				
Г	X PLANN	IING					Гx	SUBMITT	ED TO IRMT	on 10/	/29/21		
	x WILDLI	IFE					x	-	CONCERNS				
	X SILVIC	ULTURE					_	_					
RMT Concerns and Comment	ts:					Mitiga	tion Strategy:	:					Mitigated
Minimal access to be left	t for planting.	. See oper	ating area gen	neral		Agre	ed.						х
comments. Minimum of 30m on wetl	lands					Cha	nged wetland	d complex on	E side to 15-	50m b	uffer		x
William of Som on wear	arius.					Ona	iged Wellani	a complex on	L side to 10-	50111 5	uner.		

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: WJL-203 Twp & Rge: t31r29w Cut Block Size: 75.0 ha **OPERATING AREA: Watjask Lake** Ownership: Open Crown Mapsheet: 330572 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Age (yr) Avg Ht (m) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 25.1 40 64% 160 11,972 TA ws BS ВF 45 BA 24.3 15 6% 1 090 Uniform 205 Uniform 32 353 **WB** 13.2 37 1% 100 Clumped Total HW 70% 175 13,162 **Eco Land Classification Soils Summary** WS 19.8 32 3.234 43 1st 2nd 3rd BS 94 24 10% 25 1,842 18.8 LFH(cm) S-Type Moisture Surface Texture JP 0% 0 05 V Type 08 13 Sandy Clay 12 **S6** BF 22.5 33 2% 6 436 **Eco Site** 23 Total SW 30% 5,512 73 **Block Total:** 249 18,674 Cover Type: N IBWC Cnt: 1 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 12,504 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 5,237 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS Wetland MFZ-15 Located on the NW side. Variable MFZ to 15m buffer. Harvest as shown on map 30-100 Lake Located on the SW and S sides. Variable 15 to 100m buffer. Harvest as shown on map. Wetland 15-50 Located on the E side. Variable 15 to 50m buffer. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 600 to 900 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Area of blowdown near plot 30 in the NW portion of the block. Merchantable trees will be salvaged if feasible. Maintain a max of 15 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Maintain stucture on IBWC's located near plot 15 and along crossing WJL-C35 feature.

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

		REI	NEWAL PR	ESCRIPT	ION INFO	ORMATION	١					
RENEWAL STRATEGY				PREPAR.	ATIONS				ACHE: L COVERTYPE: N			
Species Natural Advance TA X BA X WB X WS X BS JP BF	Assisted X X		PREF. AL	DRAG MOUNI TRENC	H R RIPPER				AL ACCESS ATV HELICOPTER TRUCK			
Sitonron	L L			DI	antina Com			Г	Survey Sum	maru		\neg
Year Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	-	Type	Series	Yea	r
Tour Action	Alou (nu)	Automato	2024	Sp	BS	1600	5040	F	Plantation Survival	First	2025	_
RENEWAL COMMENTS/IS			2024	Sp	WS	1600	16200	F	Regeneration	First	2034	4
protected in patches. Areas of BF understory >50 with concentrated clumps of			e located in the	SE portion	of the bloc	k (Plots 1, 3	and 12). Thes	se area	as will be harvested			
INT	ERNAL REVIEW		ESCRIPTION	N REVIEV		ITIGATION						
x x x	PLANNING WILDLIFE SILVICULTURE				x	SUBMITTE	ED TO IRMT					
IRMT Concerns and Comments:				Mitigatio	on Strategy:						Mitig	ate
Confirm access into block. L will create circle route. Wetland on NE to increase to Minimal access to be left for comments.	to 30m minimum.			continu WJL-2	ue into bloc 01. ed wetland	ks WJL-202 a		re will	the south and will be no circle route into uffer.			x x

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Fax: 204-734-3646 Cut Block Name: WJL-204 Twp & Rge: t31r29w Cut Block Size: 100.1 ha **OPERATING AREA: Watjask Lake** Ownership: Open Crown Mapsheet: 330572 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Age (yr) Avg Ht (m) Vol % Vol (m3) Understory Stems/ha and Distribution 23.0 38 51% 126 12,641 TA ws BS ВF 34 BA 217 12 5% 1 208 387 Uniform 126 **WB** 17.2 28 3% 656 Clumped 161 Clumped Total HW 58% 145 14,505 **Eco Land Classification Soils Summary** WS 20.8 32 39% 9.681 1st 2nd 3rd BS 18.0 25 2% 98 6 618 LFH(cm) S-Type Moisture **Surface Texture** JP 0% 0 05 V Type 08 13 Silty Clay Loam **S6** BF 21.0 46 0% 79 **Eco Site** 31 Total SW 42% 10,378 104 **Block Total:** 249 24,883 Cover Type: N IBWC Cnt: 2 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 13,779 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 9,859 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ-15 Located on the SW side. Variable MFZ to 15m buffer. Harvest as shown on map Wetland Wetland MFZ-15 Located on the NW side. Variable MFZ to 15m buffer. Harvest as shown on map. Flood 15-50 Located on the NE side. Variable 15 to 50m buffer. Harvest as shown on map. Wetland 15-50 Located on the N side. Variable 15 to 50m buffer. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 801 to 1,201 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Maintain a max of 20 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block

Watjask Lake

FML 3 2023 - Contingency

				RE	NEWAL F	PRESCR	IPTION INF	ORMATIO	N				
RENEV	VAL STRA	TEGY BY	SPECIES		S	ITE PREP	ARATIONS		SNOV	N CAC	CHE:		
Species	Natural	Advanced	Assisted		PREF.	ALT.			RENE	WAL	COVERTYPE: N		
TA	х					DR	AG		DENI	-\A/A I	ACCESS		
ВА	х					\vdash	UND		KENI	EWAI	L ACCESS		
WB	x	Ш	Ш		Ш	$ldsymbol{arphi}$	NCH			х	ATV		
ws		X	X			\vdash	ITER RIPPER	₹		Н	HELICOPTER		
BS		Н	Н		x	AR	EA PLANT			Ш	TRUCK		
JP BF	Н	Н	Н										
BF	Ш	Ш	Ш										
	Sit	eprep Sum					Planting Su	mmary			Survey Sur		
Year	Ac	tion	Area (ha)	Alternate	Year				Total	<u> </u>	Туре	Series	Year
					2024	- Sp	WS	1600	55800	\vdash	Plantation Survival	First	2025
RENEWAL	COMMEN	ITS/ISSUE	:s·							L	Regeneration	First	2034
				6m in height a	re located in	the centra	portion of the	e block (Plots	17 and 33). The	se are	eas will be		
				ing maintained		ano coma c	r portion or the	S DIOOR (1 DIO	Tr and oo). The	oo are	odo viii bo		
			stems/ha and	<6m in height a	are located t	hroughout	the block (plot	s 1, 17, 25, 29	9, 31, 37 and 43). Clui	mps of understory		
	rotected in p		teme/ha are lo	cated in the N	portion of th	e block (pl	ote 35 and 43) Merchantah	le trees will be h	narves	eted and		
			ft unharvested		portion or th	е вюск (рі	713 33 and 43). Werchantab	ic trees will be r	iai ves	and		
Front of	block being	planted, en	nsure ATV acc	ess.									
				PRI	ESCRIPT	ON REV	IEW AND I	MITIGATIO	N				
		INTERN	IAL REVIEW				E	XTERNAL R	EVIEW				
		X PL	ANNING				Б	3 SUBMITT	ED TO IRMT or	n 10/2 9	9/21		
		x w	LDLIFE				3	-	CONCERNS				
		X SIL	LVICULTURE				_	_					
IRMT Concer	rns and Comr	nents:				Mit	gation Strategy	r:					Mitigated
Wetland	on N and E	sides to inc	rease to 30m	minimum.		CI	anged wetlar	d complex on	N and E sides t	to 15-8	50m buffer.		х
				rating area ger	neral		reed.						X
comment		Total or plan	g. 000 opc	and go		7.5	, 000.						
1													
1													



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PO Box 998 Swan River, MB, R0L 1Z0 **Integrated Operations** by Operating Area

Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

Weiden **FMU 10**

WDN-L09	16.11 Hectares		2023 Harvest
HW Allocation	1,713 m3	LP	
SW Allocation	0 m3	SPL	
WDN-L10	6.42 Hectares		2023 Harvest
HW Allocation	724 m3	LP	
SW Allocation	0 m3	SPL	
WDN-L11	15.34 Hectares		2023 Harvest
HW Allocation	2,387 m3	LP	
SW Allocation	0 m3	SPL	
WDN-L12	15.98 Hectares		2023 Harvest
HW Allocation	1,702 m3	LP	
SW Allocation	0 m3	SPL	
WDN-L13	2.08 Hectares		2023 Harvest
HW Allocation	265 m3	LP	
SW Allocation	0 m3	SPL	
WDN-L14	15.02 Hectares		2023 Harvest
HW Allocation	1,991 m3	LP	
SW Allocation	0 m3	SPL	
WDN-L15	16.24 Hectares		2023 Harvest
HW Allocation	1,702 m3	LP	
SW Allocation	0 m3	SPL	
WDN-L16	20.38 Hectares		2023 Harvest
HW Allocation	1,205 m3	LP	
SW Allocation	0 m3	SPL	
WDN-L17	5.19 Hectares		2023 Harvest
HW Allocation	783 m3	LP	
SW Allocation	0 m3	SPL	
WDN-L18	11.76 Hectares		2023 Harvest
HW Allocation	1,113 m3	LP	
SW Allocation	0 m3	SPL	
WDN-L19	16.16 Hectares		2023 Harvest
HW Allocation	1,046 m3	LP	
SW Allocation	0 m3	SPL	
WDN-L20	11.21 Hectares		2023 Harvest
HW Allocation	504 m3	LP	
	30 4 1113	E1	

FML 3	2022 - 2024	OP
I IVIL U	2022 2024	OI



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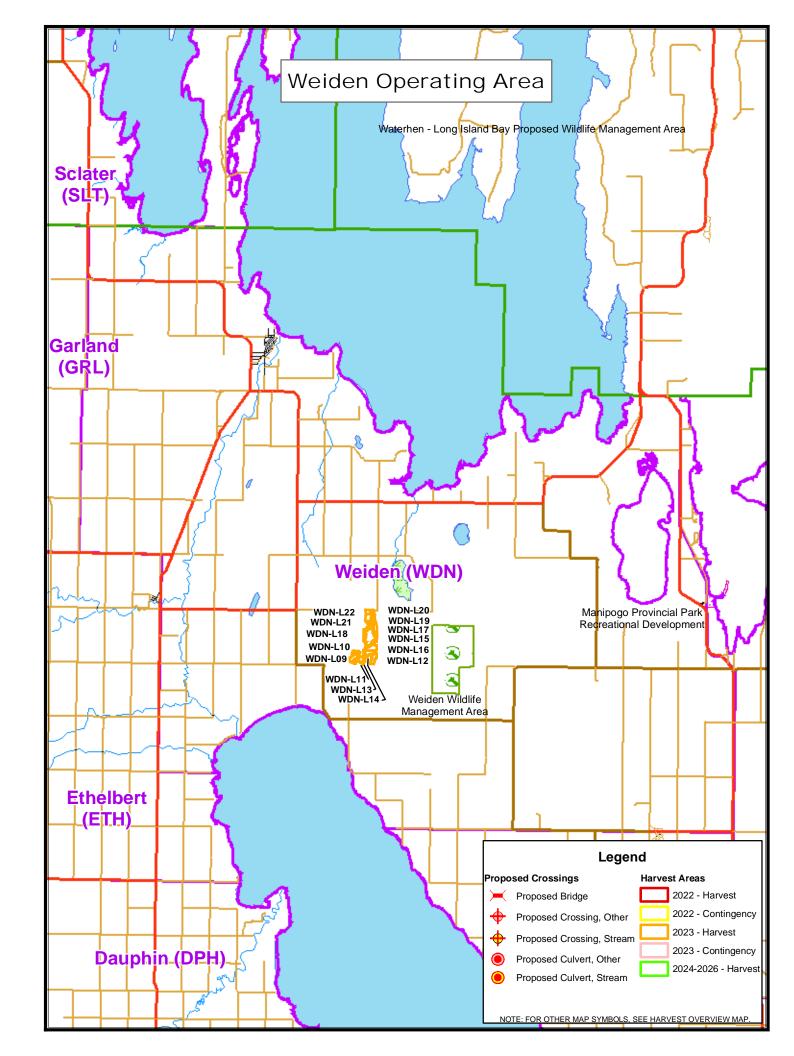
Integrated Operations by Operating Area

Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

FMU 10 Weiden

WDN-L21	16.77 Hectare	S	2023 Harvest
HW Allocation	1,766 m3	LP	
SW Allocation	0 m3	SPL	
WDN-L22	7.96 Hectares		2023 Harvest
HW Allocation	654 m3	LP	
SW Allocation	0 m3	SPL	



PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Name: WDN-L09 Twp & Rge: t29r17w Cut Block Size: 16.1 ha **OPERATING AREA: Weiden** Ownership: Open Crown Mapsheet: 440570 LICENCE: FML 3 Management Unit: 10 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS BF ВА 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% O LFH(cm) S-Type Moisture 0 **Surface Texture** .IP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 1,713 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION PILE & BURN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 129 to 193 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block is on SW18-29-27 leased to Peter and Steve Procyshyn. The code is A/C/UT/6b. Allowable development 16.2 ha. This block meets the code. The stand/volume information provided is from similiar blocks in this area. The average volume is 112m3/ha of hardwood and 0m3/ha softwood. The most common V type is 05 which is a hardwood site. Keep debris off hydro line located along N side. All topping and limbing will be done at the landing.

FML 3 2023 - Harvest

				RE	NEWAL P	PRESCRIP	TION INF	ORMATIO	N				
RENEV	VAL STR	ATEGY BY	SPECIES		SI	TE PREPAF	RATIONS		SN	IOW C	ACHE:		
Species	Natural	Advanced	Assisted		PREF.	_			RE	NEWA	L COVERTYPE: H		
TA	Н				\vdash	DRAG MOUN			RE	ENEW	AL ACCESS		
BA WB	H		H		H	TREN					ATV		
ws	Н		H		H		R RIPPER			Н	HELICOPTER		
BS						AREA	PLANT				TRUCK		
JP													
BF													
	S	iteprep Sun	nmary			P	lanting Sur	nmary] [Survey Su	ımmary	
Year	1	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total]	Туре	Series	Year
										J L	Reforestation	First	2028
RENEWAL	COMME	NTS/ISSUE	ES:										
				PR	ESCRIPTI	ON REVIE	W AND M	IITIGATIO	N				
		INTER	NAL REVIEW					TERNAL R					
				•			_	-					
			LANNING ILDLIFE				X	-1	TED TO IRM				
			LVICULTURE				x	ALL IRM	T CONCERN	SMITI	GATED		
IRMT Concer	rns and Con					Mitigat	ion Strategy:						Mitigate
						<u>_</u>							
No Conce	erns.												X
1													
1													1

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Size: 6.4 ha **Cut Block Name: WDN-L10** Twp & Rge: t29r17w **OPERATING AREA: Weiden** Ownership: Open Crown Mapsheet: 440570 LICENCE: FML 3 Management Unit: 10 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution TA 14.1 23 92% 110 703 ws BS ВF ВА 14 117 8% 59 9 **WB** 0% 0 0 Total HW 100% 119 762 **Eco Land Classification Soils Summary** WS 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type Moisture 0 Surface Texture .IP 0% n 0 V Type 05 Clay Loam 05 **S6** BF 0% 0 0 **Eco Site** 32 Total SW 0% 0 0 **Block Total:** 119 762 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 724 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE SALVAGE PATCH RETENTION WHOLE TREE TOP AT STUMP **DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 51 to 77 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Beaked hazel and willow are present in the block. This block has relatively flat topography. This block is on SW18-29-27 leased to Peter and Steve Procyshyn. The code is A/C/UT/6b. Allowable development 16.2 ha. This block is above the code if block WDN-L09 is harvested. Block WDN-L09 meets the code. Keep debris off hydro line on the S side of the block.

Weiden

FML 3 2023 - Harvest

	RE	ENEWAL PRESCRIPTION INFORMATIO	DN	
RENEWAL STRATEGY	BY SPECIES	SITE PREPARATIONS	SNOW CACHE:	
	ced Assisted	PREF. ALT.	RENEWAL COVERTYPE: H	
TA X		DRAG		
ва х		MOUND	RENEWAL ACCESS	
WB		TRENCH	ATV	
ws		WINTER RIPPER	HELICOPTER	
BS		AREA PLANT	TRUCK	
JP	lН			
BF	l L			
Siteprep S	Summary	Planting Summary	Survey Summar	у
Year Action	Area (ha) Alternate	Year Season Species Density		ries Year
			Reforestation F	irst 2028
RENEWAL COMMENTS/ISS	SIIE6.			
RENEWAL COMMENTS/15				
	PR	RESCRIPTION REVIEW AND MITIGATION	ON .	
INT	ERNAL REVIEW	EXTERNAL F	REVIEW	
x	PLANNING	X SUBMIT	TED TO IRMT on 10/31/14	
x	WILDLIFE	—	T CONCERNS MITIGATED	
x	SILVICULTURE			
IRMT Concerns and Comments:		Mitigation Strategy:		Mitigate
No concerns.				
No concerns.				x
		1		
		Weiden - WDN-L10		

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PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Fax: 204-734-3646 **Cut Block Name: WDN-L11** Twp & Rge: t29r17w Cut Block Size: 15.3 ha **OPERATING AREA: Weiden** Ownership: Open Crown Mapsheet: 440570 LICENCE: FML 3 Management Unit: 10 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Ht (m) Vol % Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution TA 16.3 21 99% 162 2,487 ws BS ВF 20 BA 16.0 2 26 1% **WB** 0% 0 0 Total HW 100% 164 2,513 **Eco Land Classification Soils Summary** WS 0 1st 2nd 3rd BS 0% LFH(cm) Moisture 0 0 S-Type Surface Texture .IP 0% 0 n V Type 05 Silty Clay Loam 04 **S5** BF 0% 0 0 **Eco Site** 22 Total SW 0% 0 0 **Block Total:** 164 2,513 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 2,387 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION PILE & BURN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course WIDTH (m) DETAILS FFATURE WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 123 to 184 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block is on SW18-29-27 leased to Peter and Steve Procyshyn. The code is A/C/UT/6b. Allowable development 16.2 ha. This block is above the code if block WDN-L09 is harvested. Block WDN-L09 meets the code. Beaked hazel, rose and blue-joint grass are present in this block. This block has relatively flat topography.

Weide

FML 3 2023 - Harvest

					RE	NEWAL	PRESC	RIPT	TION INF	ORMATIC	N				
RENEW	VAL STR	ATEGY I	BY SPE	CIES		s	ITE PRE	PAR	RATIONS		SI	NOW C	CACHE:		
Species	Natural	Advance	ed Ass	sisted		PREF.	ALT.				R	ENEW	AL COVERTYPE: H		
TA	X							RAG			В	ENEW	AL ACCESS		
ВА	х	Ш	L			Ш	-	IOUN			K	ENEW	-		
WB	\square	Н	L	_		H	\vdash	RENC	CH ER RIPPER			_	ATV		
WS BS	Н	Н	⊢	-		\vdash	-		PLANT				HELICOPTER TRUCK		
JP	Н	H	_	+		Ш	ш .					L	_ intook		
BF															
		Siteprep S	Summary					P	lanting Sun	nmarv		٦ [Survey Sur	nmarv	
Year		Action		rea (ha)	Alternate	Yea	r Sea	son	Species	Density	Total	1 I	Туре	Series	Year
] [Reforestation	First	2028
RENEWAL	COMME	NTS/ISS	EIIES:				_								
RENEWAL	COMINE	IN 1 3/133	OES:												
					PR	ESCRIPT	ION RE	VIE	W AND N	IITIGATIO	N				
		INTE	ERNAL I	REVIEV						TERNAL F					
			PLANN						L.	1	TED TO ID!	T 4	2/24/44		
		X	WILDLI						X	4	TED TO IRM T CONCERN				
		x		 ULTURE					Ľ	J ALL IKIVI	I CONCER!	NO IVII I	IOATED		
IRMT Concer	ns and Cor	_					M	/litigati	ion Strategy:						Mitigate
No conce	erns.														x
TWO COMOC	21110.														
							ı								

Weiden - WDN-L11

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Name: WDN-L12 Twp & Rge: t29r17w Cut Block Size: 16.0 ha **OPERATING AREA: Weiden** Ownership: Open Crown Mapsheet: 440570 LICENCE: FML 3 Management Unit: 10 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution TA 0% 0 0 ws BS ВF ВА 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% O LFH(cm) S-Type Moisture 0 Surface Texture JP 0% n 0 V Type BF 0% 0 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 1,702 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION PILE & BURN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course WIDTH (m) DETAILS FFATURE WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 128 to 192 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** The stand/volume information provided is from similiar blocks in this area. The average volume is 112m3/ha of hardwood and 0m3/ha softwood. The most common V type is 05 which is a hardwood site. This block is on SE18-29-27 leased to Peter and Steve Procyshyn. The code is A/C/6b. Allowable development 16.2 ha. This block is below the code. Topping and limbing will be done at the landing.

FML 3 2023 - Harvest

					RE	NEWAL F	PRESCR	PTION INF	ORMATIC	ON				
RENEWA	L STRA	TEGY B	Y SPECII	ES		s	ITE PREP	ARATIONS		s	NOW C	CACHE:		
Species N	Natural	Advanced	d Assiste	ed		PREF.	_			R	ENEW	AL COVERTYPE: H		
TA		Н	Н			H	DRA			R	RENEW	VAL ACCESS		
BA WB	\mathbf{H}	Н	H			H	MOI TRE	NCH			Г	T ATV		
ws		Н	H			H	\vdash	TER RIPPER	2		H	HELICOPTER		
BS							ARE	A PLANT				TRUCK		
JP												_		
BF		Ш	Ш											
	Sit	eprep Su	mmary					Planting Su	mmary] [Survey Sur	mmary	
Year	Ac	tion	Area	(ha)	Alternate	Year	r Seaso	n Species	Density	Total	↓ ↓	Туре	Series	Year
												Reforestation	First	2028
		INTER	RNAL RE	VIEW		ESCRIPT	ION REV	EW AND I	MITIGATIO XTERNAL I					
		_	PLANNING					_	_		1T on 11	0/24/44		
		\vdash	WILDLIFE)	_	TED TO IRM IT CONCER!				
			SILVICUL	TURE				Ľ						
MT Concerns	and Comn	nents:					Miti	gation Strategy	' :					Mitiga
No concerns	s.													\Box

Weiden - WDN-L12

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Size: 2.1 ha **Cut Block Name: WDN-L13** Twp & Rge: t29r17w **OPERATING AREA: Weiden** Ownership: Open Crown Mapsheet: 440570 LICENCE: FML 3 Management Unit: 10 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution TΑ 16.9 22 100% 139 289 ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 100% 139 289 **Eco Land Classification Soils Summary** WS 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type Moisture 0 Surface Texture .IP 0% n 0 V Type 05 Loam **S6** BF 0% 0 0 **Eco Site** 32 Total SW 0% 0 0 **Block Total:** 139 289 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 265 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE **SALVAGE** PATCH RETENTION WHOLE TREE TOP AT STUMP **DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 17 to 25 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Beaked hazel is present throughout the block. This block has relatively flat topography. This block is on SE18-29-27 leased to Peter and Steve Procyshyn. The code is A/C/6b. Allowable development 16.2 ha. This block is above the code if block WDN-L12 is harvested.

				RE	NEWAL F	PRESCRIP	TION INF	ORMATIO	N				
RENEW	VAL STR	ATEGY BY	SPECIES		SI	ITE PREPAI	RATIONS		SN	IOW CA	ACHE:		
Species	Natural	Advanced	Assisted		PREF.	ALT.			RE	NEWA	L COVERTYPE: H		
TA	х				Н	DRAG			RE	ENEW	AL ACCESS		
BA WB	Н	H	\vdash		Н	MOUN TREN					ATV		
WS	Н	\vdash	\vdash		Н	—	ER RIPPER			Н	HELICOPTER		
BS	H		\Box		Н	\vdash	PLANT			Н	TRUCK		
JP					_						l		
BF													
	S	iteprep Sun	nmary			F	Planting Sur	nmary		1 Г	Survey Su	mmary	
Year	, A	Action	Area (ha)	Alternate	Year	r Season	Species	Density	Total] [Туре	Series	Year
] L	Reforestation	First	2028
RENEWAL	. СОММЕ	NTS/ISSUE	ES:										
				PR	ESCRIPTI	ION REVIE	W AND N	IITIGATIO	N				
		INTER	NAL REVIEW	I			EX	TERNAL R	EVIEW				
		X PL	LANNING				x	SUBMITT	ED TO IRM	Γ on 10	/31/14		
			ILDLIFE				х	-1	Γ CONCERN				
		X SI	LVICULTURE				_	-					
IRMT Concer	ns and Con	nments:				Mitigat	ion Strategy:						Mitigate
No Conce	erns.												x
													-

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Size: 15.0 ha **Cut Block Name: WDN-L14** Twp & Rge: t29r17w **OPERATING AREA: Weiden** Ownership: Open Crown Mapsheet: 440570 LICENCE: FML 3 Management Unit: 10 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution TA 16.1 22 93% 130 1,954 ws BS ВF ВА 20 14.5 9 142 7% **WB** 0% 0 0 Total HW 100% 140 2,096 **Eco Land Classification Soils Summary** WS 0 1st 2nd 3rd BS 0% LFH(cm) S-Type Moisture 0 0 Surface Texture .IP 0% 0 n V Type 05 Silty Clay Loam 06 **S6** BF 0% 0 0 **Eco Site** 32 Total SW 0% 0 0 **Block Total:** 140 2,096 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 1,991 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE** AVOIDANCE WLF DEBRIS PILE **SALVAGE** PATCH RETENTION WHOLE TREE TOP AT STUMP **DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 120 to 180 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Beaked hazel is present throughout the block. This block has relatively flat topography. This block is on SE18-29-27 leased to Peter and Steve Procyshyn. The code is A/C/6b. Allowable development 16.2 ha. This block is above the code if block WDN-L12 is harvested.

				RE	NEWAL I	PRESCRI	PTION INF	ORMATIC	N				
RENEW	AL STRA	TEGY BY	SPECIES		s	ITE PREP	ARATIONS		 SN	IOW CA	ACHE:		
Species	Natural	Advanced	Assisted		PREF.	ALT.			RE	NEWA	L COVERTYPE: H		
TA BA	x x		\Box			DRA MOI	JND		RI	ENEW.	AL ACCESS		
WB WS	Н	\vdash	\mathbb{H}		\vdash	\vdash	NCH TER RIPPER	!		Н	ATV HELICOPTER		
BS	H		H			\vdash	A PLANT			Н	TRUCK		
JP						_							
BF													
	Si	teprep Sui	mmary				Planting Su	mmary] [Survey Su	mmary	
Year	А	ction	Area (ha)	Alternate	Yea	r Seaso	n Species	Density	Total]	Туре	Series	Year
										JL	Reforestation	First	2028
RENEWAL	COMME	NTS/ISSU	ES:										
				PR	ESCRIPT	ION REV	EW AND I	MITIGATIO	N				
		INTER	NAL REVIEV					KTERNAL F					
		X P	LANNING				Гx	7 SUBMIT	TED TO IRM	T on 10	/31/14		
		\vdash	VILDLIFE				x	_	T CONCERN				
		x s	SILVICULTURE				_	_					
IRMT Concer	ns and Com	ments:				Mitig	jation Strategy	:					Mitigate
No Conce	erns.												X
						Weiden - W/	N. 1.4.4						

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Name: WDN-L15 Twp & Rge: t29r17w Cut Block Size: 16.2 ha **OPERATING AREA: Weiden** Ownership: Open Crown Mapsheet: 440570 LICENCE: FML 3 Management Unit: 10 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS BF ВА 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% O LFH(cm) S-Type 0 Moisture Surface Texture .IP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 1,702 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS Wetland Located on N side. Variable 30 to 75m buffer. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 130 to 195 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** The stand/volume information provided is from similiar blocks in this area. The average volume is 112m3/ha of hardwood and 0m3/ha softwood. The most common V type is 05 which is a hardwood site. This block is on NE18-29-27 leased to Peter and Steve Procyshyn. The code is A/C/UT/6b. Allowable development 16.2 ha. This block meets the code. Keep debris off hydro line located along S side. All topping and limbing will be done at the stump

				RE	NEWAL	PRES	CRIPT	ION INFO	ORMATIO	N				
RENEV	VAL STR	ATEGY BY	SPECIES		,	SITE PI	REPAR	ATIONS		SI	NOW C	ACHE:		
Species	Natural	Advanced	Assisted		PREF.	ALT.				RI	ENEWA	L COVERTYPE: H		
TA	Н				Н	Н	DRAG MOUNI	_		R	ENEW	AL ACCESS		
BA WB	Н		H		H	Н	TRENC					ATV		
ws	H	H	H		П	Ħ		R RIPPER			Н	HELICOPTER		
BS							AREA I	PLANT				TRUCK		
JP	Ш	Н	Н											
BF														
		iteprep Sun					P	anting Sun		1] [Survey Su		
Year	<i></i>	Action	Area (ha)	Alternate	Yea	ar S	Season	Species	Density	Total	┧┟	Type Reforestation	Series First	Year 2028
											JL	Reforestation	Filst	2026
RENEWAL	COMME	NTS/ISSUE	ES:											
				PR	ESCRIPT	TION F	REVIE		ITIGATIO					
		INTER	NAL REVIEW	1				EX	TERNAL R	EVIEW				
		X Pl	_ANNING					х	SUBMITT	ED TO IRM	T on 10	/31/14		
			ILDLIFE					х	ALL IRM	CONCERN	IS MITI	GATED		
			LVICULTURE											
IRMT Concer	ns and Con	nments:					Mitigati	on Strategy:						Mitigate
No Conce	erns.													x
														-
							1							1

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Size: 20.4 ha **Cut Block Name: WDN-L16** Twp & Rge: t29r17w **OPERATING AREA: Weiden** Ownership: Open Crown Mapsheet: 440570 LICENCE: FML 3 Management Unit: 10 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution TA 14.6 21 91% 93 1,903 ws BS ВF ВА 60 19 13.8 9 189 9% **WB** 0% 0 0 Total HW 100% 103 2,092 **Eco Land Classification Soils Summary** WS 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type Moisture 0 Surface Texture .IP 0% 0 n V Type 05 Silty Clay Loam 07 **S5** BF 0% 0 0 **Eco Site** 32 Total SW 0% 0 0 **Block Total:** 103 2,092 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 1,205 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE** AVOIDANCE WLF DEBRIS PILE **SALVAGE** PATCH RETENTION WHOLE TREE TOP AT STUMP **DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 163 to 245 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Beaked hazel is present throughout the block. This block has relatively flat topography. This block is on NE18-29-27 leased to Peter and Steve Procyshyn. The code is A/C/UT/6b. Allowable development 16.2 ha. This block is above the code if block WDN-L15 is harvested.

			RE	NEWAL P	RESCRIPT	TON INF	ORMATIO	N				
		BY SPECIES		SIT	E PREPAR	ATIONS				ACHE:		
TA BA WB WS BS JP BF	X X	Assisted			DRAG MOUN TRENG	CH R RIPPER				AL ACCESS ATV HELICOPTER TRUCK		
<u></u>		Summary	. 1			lanting Su		T	┨╏	Survey Su		l
Year	Action	Area (ha)) Alternate	Year	Season	Species	Density	Total	┨╴┠	Type Reforestation	Series First	Year 2028
RENEWAL C	INT	ERNAL REVIE		ESCRIPTIO	DN REVIE		MITIGATIO (TERNAL R					
	X X	PLANNING WILDLIFE				X	_	TED TO IRM T CONCERN				
	х	SILVICULTUR	RE			_	_					
IRMT Concerns	and Comments:				Mitigati	on Strategy	:					Mitigate
Consider ex	xtending harves	t block N to hydro	o line.		Agree	d.						X

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Name: WDN-L17 Twp & Rge: t29r17w Cut Block Size: 5.2 ha **OPERATING AREA: Weiden** Ownership: Open Crown Mapsheet: 440570 LICENCE: FML 3 Management Unit: 10 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution TA 15.7 24 100% 156 811 ws BS ВF ВА 0% 0 0 **WB** 0% 0 0 Total HW 100% 156 811 **Eco Land Classification Soils Summary** WS 0 1st 2nd 3rd BS 0% 0 LFH(cm) Moisture 0 S-Type **Surface Texture** .IP 0% n 0 V Type 05 Loamy Sand 04 S₂ BF 0% 0 0 **Eco Site** 11 Total SW 0% 0 0 **Block Total:** 156 811 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 783 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE** AVOIDANCE WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland Located on W side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 42 to 62 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Beaked hazel is present throughout the block. This block has relatively flat topography. This block is on SE19-29-27 leased to Peter and Steve Procyshyn. The code is A/B/C/D/6b. Allowable development 16.2 ha. This block is above the code if block WDN-L19 is harvested.

				RE	NEWAL F	PRESCRIP	TION INF	ORMATIO	N				
RENEW	/AL STR	ATEGY BY	SPECIES		SI	ITE PREPAF	RATIONS		SN	IOW C	ACHE:		
Species	Natural	Advanced	Assisted		PREF.	_			RE	NEWA	L COVERTYPE: H		
TA BA	X	\vdash	Н		\vdash	DRAG MOUN			RE	ENEW	AL ACCESS		
WB	Н	\Box	\vdash		\Box	TREN					ATV		
ws						—	ER RIPPER				HELICOPTER		
BS						AREA	PLANT				TRUCK		
JP BF	Н	H	H										
										, ,			
Vaar	1	iteprep Sun		Alternata			lanting Sur		T-4-1	┨┞	Survey Su		Voor
Year	+	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	┨	Type Reforestation	Series First	Year 2028
								<u> </u>		J L			
RENEWAL	СОММЕ	NTS/ISSUE	ES:										
				PR	ESCRIPTI	ON REVIE	W AND M	IITIGATIO	N				
		INTER	NAL REVIEW					TERNAL R					
				•			_	-					
			LANNING ILDLIFE				X	-1	ED TO IRM				
			LVICULTURE				X	ALL IRM	CONCERN	SMITI	GATED		
IRMT Concer	ns and Con					Mitigat	ion Strategy:						Mitigate
No Conce	erns.												х

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Name: WDN-L18 Twp & Rge: t29r17w Cut Block Size: 11.8 ha **OPERATING AREA: Weiden** Ownership: Open Crown Mapsheet: 440570 LICENCE: FML 3 Management Unit: 10 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution TA 16.8 20 95% 94 1,102 ws BS ВF ВА 41 16 16.0 5% 5 64 **WB** 0% 0 0 Total HW 100% 99 1,166 **Eco Land Classification Soils Summary** WS 0 0 1st 2nd 3rd BS 0% LFH(cm) S-Type Moisture 0 0 **Surface Texture** JP 0% 0 n V Type 05 Clay Loam 80 BF 0% 0 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 1,166 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 1,113 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE** AVOIDANCE WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland Located on E side. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 94 to 141 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Beaked hazel is present throughout the block. This block has relatively flat topography. This block is on SE19-29-27 leased to Peter and Steve Procyshyn. The code is A/B/C/D/6b. Allowable development 16.2 ha. This block is above the code if block WDN-L19 is harvested.

				RE	NEWAL	PR	ESCRIP	TION INF	ORMATIC	N				
RENEW	/AL STRAT	EGY BY	SPECIES		-	SITE	E PREPAR	ATIONS		SN	IOW CA	ACHE:		
Species	Natural	Advanced	Assisted		PREF	. А	LT.			RE	NEWA	L COVERTYPE: H		
TA BA	x x		H				DRAG MOUN			RI	ENEW	AL ACCESS		
WB WS	Н	\blacksquare	Н		\vdash	-	TRENO	CH ER RIPPER			\vdash	ATV HELICOPTER		
BS	H	Н	H				_	PLANT			\Box	TRUCK		
JP														
BF														
	Site	prep Sum	ımary				Р	lanting Sun	nmary			Survey Su	mmary	
Year	Act	ion	Area (ha)	Alternate	Ye	ar	Season	Species	Density	Total]	Туре	Series	Year
											JL	Reforestation	First	2028
RENEWAL	COMMENT	rs/Issue	S:											
				PR	ESCRIP'	TIO	N REVIE	W AND M	IITIGATIO	N				
		INTERN	NAL REVIEV						TERNAL R					
		_	ANNING					_	-		T on 10	124 /4 4		
		-	ILDLIFE					X	-	TED TO IRM T CONCERN				
			LVICULTURE						J					
IRMT Concer	ns and Comm	ents:					Mitigat	ion Strategy:						Mitigate
No Conce	erns.													х
							Neiden - WDN-	140						

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Size: 16.2 ha **Cut Block Name: WDN-L19** Twp & Rge: t29r17w **OPERATING AREA: Weiden** Ownership: Open Crown Mapsheet: 440570 LICENCE: FML 3 Management Unit: 10 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Understory Stems/ha and Distribution 14.6 21 95% 65 1,050 TA ws BS ВF ВА 18.0 22 3% 2 32 **WB** 15.0 28 2% 20 Total HW 100% 68 1,102 **Eco Land Classification Soils Summary** WS 0 2nd 1st 3rd BS 0% LFH(cm) S-Type Moisture Surface Texture 0 0 JP 0% 0 n V Type 05 Silt Loam 04 **S5** BF 0% 0 0 **Eco Site** 32 Total SW 0% 0 0 **Block Total:** 1,102 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 1,046 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE** AVOIDANCE WLF DEBRIS PILE **SALVAGE** PATCH RETENTION WHOLE TREE TOP AT STUMP **DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 129 to 194 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Beaked hazel is present throughout the block. This block has relatively flat topography. This block is on SE19-29-27 leased to Peter and Steve Procyshyn. The code is A/B/C/D/6b. Allowable development 16.2 ha. This block meets the code. All topping and limbing will be done at the landing.

		RENE	WAL P	RESCRIPT	TION INFO	ORMATIC	N				
RENEWAL STRA	ATEGY BY SPECIES		SIT	E PREPAR	RATIONS		SI	NOW C	ACHE:		
Species Natural	Advanced Assisted		PREF.	ALT.			R	ENEWA	AL COVERTYPE: H		
TA X				DRAG			R	FNFW	AL ACCESS		
ва х	H		H	MOUN					•		
WB X	H		H	WINTE	R RIPPER			-	ATV HELICOPTER		
BS -	H		$H \vdash$	_	PLANT				TRUCK		
JP -	H		шь								
BF											
s	iteprep Summary			P	lanting Sun	nmarv		٦Γ	Survey Su	mmary	
	action Area (ha)	Alternate	Year	Season	Species	Density	Total	1 [Туре	Series	Year
] [Reforestation	First	2028
RENEWAL COMME	NTS/ISSIJES:										
ENEWAL COMME	N 13/1330E3.										
		PRES	CRIPTIC	ON REVIE	W AND M	ITIGATIO)N				
	INTERNAL REVIE		CRIPTIC	N REVIE		ITIGATIO					
			CRIPTIC	ON REVIE	EX	TERNAL F	REVIEW	T on 10	1/31/14		
	x PLANNING		CRIPTIC	ON REVIE	EX X	TERNAL F	REVIEW				
	x PLANNING	w	CRIPTIC	ON REVIE	EX	TERNAL F	REVIEW				
RMT Concerns and Com	X PLANNING X WILDLIFE X SILVICULTUR	w	CRIPTIC		EX X	TERNAL F	REVIEW				Mitigate
	X PLANNING X WILDLIFE X SILVICULTUR	w	CRIPTIC		EX X	TERNAL F	REVIEW				¬
RMT Concerns and Com	X PLANNING X WILDLIFE X SILVICULTUR	w	CRIPTIC		EX X	TERNAL F	REVIEW				¬
	X PLANNING X WILDLIFE X SILVICULTUR	w	CRIPTIC		EX X	TERNAL F	REVIEW				¬
	X PLANNING X WILDLIFE X SILVICULTUR	w	CRIPTIC		EX X	TERNAL F	REVIEW				¬
	X PLANNING X WILDLIFE X SILVICULTUR	w	CRIPTIC		EX X	TERNAL F	REVIEW				¬
	X PLANNING X WILDLIFE X SILVICULTUR	w	CRIPTIC		EX X	TERNAL F	REVIEW				Mitigate
	X PLANNING X WILDLIFE X SILVICULTUR	w	CRIPTIC		EX X	TERNAL F	REVIEW				¬
	X PLANNING X WILDLIFE X SILVICULTUR	w	CRIPTIC		EX X	TERNAL F	REVIEW				¬
	X PLANNING X WILDLIFE X SILVICULTUR	w	CRIPTIC		EX X	TERNAL F	REVIEW				¬
	X PLANNING X WILDLIFE X SILVICULTUR	w	CRIPTIC		EX X	TERNAL F	REVIEW				¬
	X PLANNING X WILDLIFE X SILVICULTUR	w	CRIPTIC		EX X	TERNAL F	REVIEW				¬
No Concerns.	X PLANNING X WILDLIFE X SILVICULTUR	w	CRIPTIC		EX X	TERNAL F	REVIEW				¬
	X PLANNING X WILDLIFE X SILVICULTUR	w	CRIPTIC		EX X	TERNAL F	REVIEW				¬

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Size: 11.2 ha **Cut Block Name: WDN-L20** Twp & Rge: t29r17w **OPERATING AREA: Weiden** Ownership: Open Crown Mapsheet: 440570 LICENCE: FML 3 Management Unit: 10 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Understory Stems/ha and Distribution TA 12.5 19 91% 43 479 ws BS ВF ВА 0 0% 0 **WB** 11.8 17 9% 4 50 Total HW 100% 47 529 **Eco Land Classification Soils Summary** WS 0 0 2nd 1st 3rd BS 0% 0 LFH(cm) S-Type Moisture Surface Texture 0 JP 0% 0 0 V Type 05 Silt Loam 04 BF 0% 0 **Eco Site** 22 Total SW 0% 0 0 **Block Total:** 529 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 504 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE **SALVAGE** PATCH RETENTION WHOLE TREE TOP AT STUMP **DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course WIDTH (m) DETAILS **FEATURE** WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 90 to 135 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Beaked hazel is present throughout the block. This block has relatively flat topography. This block is on NE19-29-27 leased to Peter and Steve Procyshyn. The code is A/B/C/D/8a. No development is allowed.

				RE	NEWAL F	PRESCRIP	TION INF	ORMATIC	N				
RENEW	AL STRA	TEGY BY	SPECIES		s	ITE PREPA	RATIONS		SN	IOW CA	ACHE:		
Species	Natural		Assisted		PREF.						L COVERTYPE: H		
TA BA	х					DRAC MOUI	ND		RI	ENEW	AL ACCESS		
WB	х		Н		Н	TREN	CH ER RIPPER			Н	ATV		
WS BS	Н		H		H	\vdash	PLANT			Н	HELICOPTER TRUCK		
JP	H	H	H			ш				ш			
BF													
	Si	teprep Sur	mmary				Planting Sur	nmary		1 Г	Survey Su	mmary	
Year	А	ction	Area (ha)	Alternate	Year			Density	Total	1 [Туре	Series	Year
] [Reforestation	First	2028
RENEWAL	COMME	NTS/ISSU	ES:										
				PR	ESCR <u>IPT</u>	ON REVIE	W AND N	IITIGATIO	N N				
		INTER	NAL REVIEV					TERNAL F	_				
		_	LANNING				_	-		F on 40	124 14 4		
		-	VILDLIFE				X	_	TED TO IRM ⁻ T CONCERN				
			SILVICULTURE	<u> </u>				」					
IRMT Concer	ns and Com	ments:				Mitiga	tion Strategy:						Mitigate
No Conce	erns.												x
						Weiden - WDN	1100						

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Name: WDN-L21 Twp & Rge: t29r17w Cut Block Size: 16.8 ha **OPERATING AREA: Weiden** Ownership: Open Crown Mapsheet: 440570 LICENCE: FML 3 Management Unit: 10 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution TA 0% 0 0 ws BS ВF ВА 0% 0 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% O LFH(cm) S-Type Moisture 0 Surface Texture .IP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 1,766 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course WIDTH (m) DETAILS FFATURE WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 134 to 201 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** The stand/volume information provided is from similiar blocks in this area. The average volume is 112m3/ha of hardwood and 0m3/ha softwood. The most common V type is 05 which is a hardwood site. This block will be surveyed in 2014. This block is on NE19-29-27 leased to Peter and Steve Procyshyn. The code is A/B/C/D/8a. No development is allowed. All topping and limbing will be done at the landing.

FML 3 2023 - Harvest

				RE	NEWAL P	RESCRIPT	TION INF	ORMATIO	N				
RENEW	VAL STRA	ATEGY BY	SPECIES		SIT	TE PREPAR	ATIONS		SN	OW C	ACHE:		
Species	Natural	Advanced	Assisted		PREF.	ALT.			RE	NEWA	L COVERTYPE: H		
TA BA	H	Я	A		\square	DRAG MOUN	D		RE	NEW	AL ACCESS		
WB	H		H			TRENC				П	ATV		
ws						_	R RIPPER				HELICOPTER		
BS						AREA	PLANT				TRUCK		
JP	Н	\vdash	H										
BF	Ш	Ш											
	Si	iteprep Sum	nmary			Р	lanting Sur	nmary] [Survey Su	mmary	
Year	A	ction	Area (ha)	Alternate	Year	Season	Species	Density	Total	↓ Ļ	Туре	Series	Year
										JL	Reforestation	First	2028
RENEWAL	COMME	NTS/ISSUE	ES:										
				PR	ESCRIPTION	ON REVIE	W AND N	IITIGATIO	N				
		INTERN	NAL REVIEW	I			EX	TERNAL R	EVIEW				
		X PL	ANNING				x	SUBMITT	ED TO IRM	on 10	/31/14		
			ILDLIFE				x	-1	CONCERN				
		X SI	LVICULTURE				_	-					
IRMT Concer	ns and Com	ments:				Mitigat	on Strategy:						Mitigate
No develo	opment. To	pping and li	imbing at the s	stump.		Agree	ed. Can wai	ve with a gra	zing plan.				X
						1							
						1							
						1							

Weiden - WDN-L21

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut B	lock Name	a: WDN-	l 22			Twp	& Rge: t29r17	v		Cut	Block	Size: 8.0 l	 ha
	RATING ARE						ership: Open				psheet:		.
LICE	NCE: FML 3						gement Unit:			Lar	nd Statu	s:	
					PRE-H	ARVEST	SURVEY IN	ORMATION					
Species	Avg Age (yr)	Avg Ht (m)	Avg DBH (cm)	Vol %	m3/ha	Vol (m3)		Und	lerstory	Stems/ha a	and Distr	ibution	
TA BA	5 5	15.2 13.0	20 16	95% 5%	84 4	666 35		ws		BS			BF
WB	• •			0%	0	0							
Total H\	<u>'V</u>			100%	88	701	Eco La	nd Classification	on			Soils Sumn	nary
BS JP				0% 0%	0	0		1st 2nd	3rd	LFH(cm)	S-Type	Moisture	Surface Texture
BF				0%	0	0	V Type	05		05	S6	2	Silty Clay
Total S\				0%	0	0	Eco Site	32	_				
Block T	otal:				88	701	Cover Type:	H IBWC Cnt	: 0				
				H	ARVES	T PRES	CRIPTION IN	FORMATION	N				
	HARDWOOD	ALLOCATIO	ON: LP						НА	RDWOOD	VOLUME	(m3): 654	
	SOFTWOOD	ALLOCATIO	N: SPL						so	FTWOOD \	/OLUME	(m3):	
НА	RVEST SEAS	SON			HAF	RVEST/SI	LVICULTURE	SYSTEM			S	LASH AB	ATEMENT
х	ALL SEASON		x	CLEA	RCUT		SHELTERWOO	DD		[WH	OLE TREE	
	FROZEN			SELEC	CTION	х	UNDERSTORE	Y PROTECTIO	N	[PIL	E & BURN	
	DRY/FROZE	١	<u> </u>	4	TREE		—	IDANCE		-		F DEBRIS	
				SALV	AGE			CH RETENTION GNATED SKID		L	WH	OLE TREE	TOP AT STUMP
_	RINFORMATI		557440					GNATED SKID	TRAILS			IOTE · IBW	C = In Block Water Course
	TURE	WIDTH (m)	DETAILS								•		T Block Water Course
0													
				perating (Guidlines	leave app	roximately 64 to	96 trees.					
	EROSION RIS		IIAL:										
	hazel is preser		the block										
	ck has relatvely												
	•		•	eve Proc	yshyn. Th	e code is A	A/B/C/D/8a. No o	levelopment is a	allowed.				

FML 3 2023 - Harvest

				RE	NEWAL	. PR	ESCRIP1	TION INFO	ORMATIO	N				
RENEW	/AL STR	ATEGY BY	SPECIES			SITE	PREPAR	ATIONS		SN	OW CA	ACHE:		
Species	Natural	Advanced	Assisted		PREF	. Al	LT.			RE	ENEWA	L COVERTYPE: H		
TA BA	x	H	Н			F	DRAG MOUN	D		RI	ENEW	AL ACCESS		
WB							TRENC					ATV		
ws		х				L	-	R RIPPER			Ш	HELICOPTER		
BS	Н	Н	\vdash			L	AREA	PLANT			Ш	TRUCK		
JP BF		Н	Н											
	s	iteprep Sum	nmary				P	lanting Sun	nmary		1 [Survey Su	mmary	
Year	<i>I</i>	Action	Area (ha)	Alternate	Ye	ear	Season	Species	Density	Total] [Туре	Series	Year
											JL	Reforestation	First	2028
RENEWAL	СОММЕ	NTS/ISSUE	ES:											
L				DD	ESCDID	TIO	N DEVIE	W AND M	IITIGATIO	N				
		INTED	NAL REVIEW		LOCKIP	ПО	N NEVIE		TERNAL R					
				'					-					
			LANNING 'ILDLIFE					X	4	ED TO IRM				
			LVICULTURE					х	ALL IRM	CONCERN	IS MITTO	GATED		
IRMT Concer	ns and Con						Mitigati	on Strategy:						Mitigate
No Conce	erns.													x

Weiden - WDN-L22



LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

Integrated Operations by Operating Area

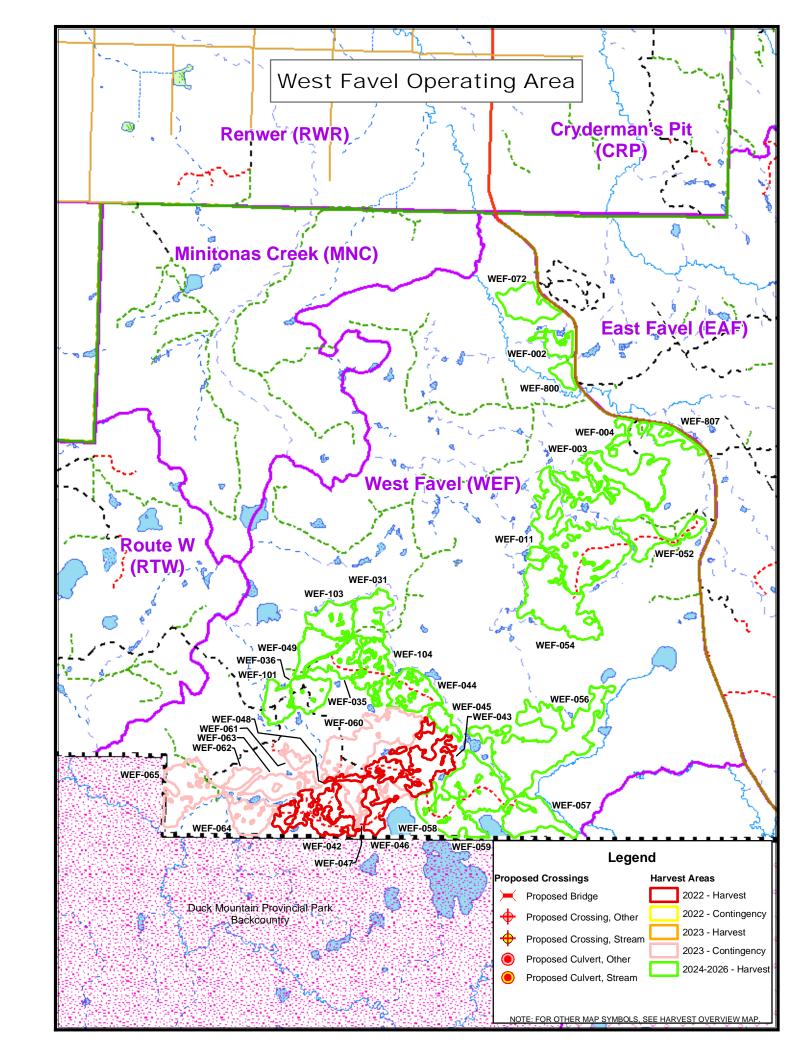
Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

West Favel FMU 13

WEF-042	86.53 Hectares	3	2022 Harvest
HW Allocation	13,077 m3	LP	
SW Allocation	2,086 m3	SPL	
WEF-043	95.51 Hectares	3	2022 Harvest
HW Allocation	8,782 m3	LP	
SW Allocation	4,908 m3	SPL	
WEF-046	29.78 Hectares	5	2022 Harvest
HW Allocation	4,471 m3	LP	
SW Allocation	268 m3	SPL	
WEF-047	18.43 Hectares	S	2023 Contingency
HW Allocation	4,518 m3	LP	
SW Allocation	1,165 m3	SPL	
WEF-048	6.92 Hectares		2022 Harvest
HW Allocation	1,549 m3	LP	
SW Allocation	0 m3	SPL	
WEF-060	135.62 Hectare	es	2023 Contingency
HW Allocation	17,266 m3	LP	
SW Allocation	4,451 m3	SPL	
WEF-061	22.70 Hectares	3	2023 Contingency
HW Allocation	2,570 m3	LP	
SW Allocation	663 m3	SPL	
	003 1113	_	
WEF-062	18.21 Hectares		2023 Contingency
WEF-062 HW Allocation			2023 Contingency
-	18.21 Hectares	S	2023 Contingency
HW Allocation	18.21 Hectares	LP SPL	2023 Contingency 2023 Contingency
HW Allocation SW Allocation	18.21 Hectares 2,331 m3 601 m3	LP SPL	
HW Allocation SW Allocation WEF-063	18.21 Hectares 2,331 m3 601 m3 39.88 Hectares	EP SPL	
HW Allocation SW Allocation WEF-063 HW Allocation	18.21 Hectares 2,331 m3 601 m3 39.88 Hectares 5,105 m3	LP SPL S LP SPL	
HW Allocation SW Allocation WEF-063 HW Allocation SW Allocation	18.21 Hectares 2,331 m3 601 m3 39.88 Hectares 5,105 m3 1,316 m3	LP SPL S LP SPL	2023 Contingency
HW Allocation SW Allocation WEF-063 HW Allocation SW Allocation WEF-064	2,331 m3 601 m3 39.88 Hectares 5,105 m3 1,316 m3 48.60 Hectares	LP SPL LP SPL SPL	2023 Contingency
HW Allocation SW Allocation WEF-063 HW Allocation SW Allocation WEF-064 HW Allocation	18.21 Hectares 2,331 m3 601 m3 39.88 Hectares 5,105 m3 1,316 m3 48.60 Hectares 6,221 m3	LP SPL S LP SPL S LP SPL S	2023 Contingency
HW Allocation SW Allocation WEF-063 HW Allocation SW Allocation WEF-064 HW Allocation SW Allocation	2,331 m3 601 m3 39.88 Hectares 5,105 m3 1,316 m3 48.60 Hectares 6,221 m3 1,604 m3	LP SPL S LP SPL S LP SPL S	2023 Contingency 2023 Contingency

FML 3	2022 - 2024	OP



Roads West Favel

,	WEF-3J	-1A (existi	ng)		Addition Comme		d Develo	pment	
Road D	evelopn	nent:			This roa	d is part	of the a	ccess to	o blocks WEF-042, 043, 046, 047, 048, 060, 063
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespan of Road (yrs)	and 064	•			
2.0	15	6	Frozen	15					
Road De	eactivati	on:	<u> </u>	5 D (o m	_	Sit	_	
Road Clo Responsi			Removal	and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer	<u> </u>					V	A berm will be placed at the start of the road.
W	/EF-3J-1	A-1A (exis	ting)		Addition Comme		d Develo	pment	
Road D	evelopn	<u>nent:</u>					ses blocl	k WEF-	043 and future blocks to the east.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespan of Road (yrs)					
0.6	15	6	Frozen	5					
Road De	<u>eactivati</u>	<u>on:</u>	<u>ت</u>	5 D 0	о ш пп	•	Sit	7	
Road Clo Responsi			Kemoval	and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer	<u> </u>					Y	This road will remain open for future harvest.
	WE	F-3J-1B			Addition Comme		d Develo	pment	
Road D	evelopn	nent:					ses blocl	ks WEF	-042 and 048 and is part of the access to block
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespan of Road (yrs)	046.				
1.4	15	6	Frozen	5					
Road De	eactivati	<u>on:</u>	<u> </u>	ο G) mm	_	Sit	_	
Road Clo Responsi			Removal	and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer	<u> </u>					✓	This road will remain open for future harvest.

	WE	WEF-3J-1C					าลl Road nts	d Develo	opment	l .
Road De	evelopn	nent:				This roa		ses bloc	k WEF-	046.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	of	espan f Road (yrs)					
1.0	15	6	Frozen		5					
Road De Road Clos Responsi	sure	i <u>on:</u>		Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
		Post-Ha	arvest						✓	This road will remain open for future harvest.
		Post-Re								
		Post-Re	newal			Additior Comme	nts		•	
Road De	evelopn	Post-Rei nd 3L (exi	sting)			Comme	nts		•	ess to blocks WEF-042, 043, 046 and 048.
		Post-Re	newal	of	respan f Road (yrs)	Comme	nts		•	
Road Do	evelopn ROW Width	nd 3L (exinent: Road Surface	sting) Season of	of	Road	Comme	nts		•	
Road Do Road Length (km)	ROW Width (m)	nd 3L (exinent: Road Surface Width (m)	sting) Season of Use Frozen	of	f Road (yrs)	Comme These ro	nts pads are	part of	the acc	
Road De Road Length (km)	ROW Width (m) 15 eactivati	nd 3L (exinent: Road Surface Width (m)	sting) Season of Use Frozen	of	f Road (yrs)	Comme	nts		•	

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 Cut Block Name: WEF-042 Twp & Rge: t33r26w Cut Block Size: 86.5 ha **OPERATING AREA: West Favel** Ownership: Open Crown Mapsheet: 350574 LICENCE: FML 3 Management Unit: 13 Land Status: Backcountry PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Age (yr) Avg Ht (m) Vol % m3/ha Vol (m3) Understory Stems/ha and Distribution 22.9 81% 150 12,991 TA 80 34 ws BS BF 33 BA 23.5 551 3% 6 **WB** 18.0 27 1% 3 223 53 Clumped Total HW 86% 159 13,765 **Eco Land Classification Soils Summary** 1,828 WS 18.0 29 85 21 1st 2nd 3rd BS 0% Moisture 0 LFH(cm) S-Type Surface Texture 0 .IP 82 19.7 25 2% 4 368 05 V Type nع Loam 14 **S3** BF 0% O 0 **Eco Site** 22 23 12 S5 2 Silt Loam 2,196 Total SW 14% 25 05 S10 Silt **Block Total:** 184 15,961 Cover Type: H IBWC Cnt: 3 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 13,077 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 2,086 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE Х **SELECTION UNDERSTOREY PROTECTION** PILE & BURN **FROZEN** DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS Wetland MFZ-30 Located on E side. Variable MFZ to 30m buffer. Harvest as shown on map Wetland MFZ-30 Located on NW side. Variable MFZ to 30m buffer. Harvest as shown on map. MFZ Wetland Located on N side. Wetland has expanded. Harvest as shown on map Located on SW side. Structure will be maintained. Harvest as shown on map. Wetland MFZ WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 692 to 1,038 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Park boundary will be located with GPS to ensure no encroachment into Back Country zone. Block design follows natural boundaries along park Block has been edited since mitigation and approximately 5 ha's has been added to the block. Construct some WLDP's near softwood areas. Most softwood is located near PHS plots 22, 27, 34, 35 and 36. Maintain structure along IBWC's located near plots 7, 5 and 4. Maintain some WS seed trees in harvest area. Harvest mature WS and leave younger WS as seed trees.

West Favel

DING SOLUTIONS Fax: 204-734-3646

PRE-HARVEST CUT BLOCK PRESCRIPTION

	ary Series Year First 2028
Species Natural Advanced Assisted PREF. ALT. TA X BA X DOUND RENEWAL ACCESS WB X X DOUND TRENCH WS DATE OF THE OFFICE OF THE O	Series Year
BA X	Series Year
Siteprep Summary Year Action Area (ha) Alternate Year Season Species Density Total Type S RENEWAL COMMENTS/ISSUES:	Series Year
Year Action Area (ha) Alternate Year Season Species Density Total RENEWAL COMMENTS/ISSUES: Year Season Species Density Total Reforestation	Series Year
RENEWAL COMMENTS/ISSUES:	
RENEWAL COMMENTS/ISSUES:	1 1100
patches. PRESCRIPTION REVIEW AND MITIGATION	
INTERNAL REVIEW EXTERNAL REVIEW	
X PLANNING X WILDLIFE X SILVICULTURE X SUBMITTED TO IRMT on 11/16/18 X ALL IRMT CONCERNS MITIGATED	
IRMT Concerns and Comments: Mitigation Strategy:	Mitigate
No crossing of IBWC near plot 19, no connection to RTW near plot 39. Discuss road location and park boundary on the SW side. Maintain WS seed trees. Would like WLDP near softwood areas. Is more feasible to put a trail across at 19 rather than a turn around to the south. Agreed on the no connection by plot 39. There are 3 drains in this area so it is easier to just drop the area. Agreed. Larger trees will be taken but younger WS can be left. Agreed will add to comments.	X

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 Cut Block Name: WEF-043 Twp & Rge: t33r26w Cut Block Size: 95.5 ha **OPERATING AREA: West Favel** Ownership: Open Crown Mapsheet: 350574 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Species Avg Age (yr) Avg Ht (m) Vol % Vol (m3) Understory Stems/ha and Distribution 22.6 38 51% 82 7,866 TA 82 ws BS BF 70 30 17 1,614 BA 10% 18.9 76 **WB** 16.5 23 2% 3 321 Clumped Total HW 63% 103 9,801 **Eco Land Classification Soils Summary** WS 21.1 42 2.132 1st 2nd 3rd BS 21 23% 37 89 17.3 3.519 LFH(cm) S-Type Moisture Surface Texture .IP 0% 0 n 05 18 V Type nع 08 **S10** Clay Loam BF 0% 0 0 **Eco Site** 23 31 22 06 S3 2 Loam Total SW 37% 5,651 59 06 S3 Silt Loam **Block Total:** 162 15,452 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 8,782 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 4,908 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE Х **UNDERSTOREY PROTECTION** PILE & BURN **FROZEN SELECTION** DRY/FROZEN SEED TREE **AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS MFZ-100 Located on the E side. Variable MFZ to 100m buffer. Harvest as shown on map Wetland Wetland MFZ Located on the NW and SW sides. Structure will be maintained. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 764 to 1,146 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has patches of blow down on the south side. Merchantable trees will be salvaged where feasible. There is also a large patch of blow down on the north side which has been removed from the block. Maintain a maximum of 17 WDP approximately 30-70m from the block edge, and near riparian areas and/or adjacent softwood stands where possible. Keep designated Route W/Snowman skidoo trail located on the S side free of debris.

West Favel

FML 3 2022 - Harvest

ILDING SUL	TIUNS FAX.	204-734	-3040											
				RE	NEWA	AL PR	RESCRIP	TION INFO	ORMATIO	N				
RENEV	NAL STRAT	EGY BY	SPECIES			SIT	E PREPAI	RATIONS		SN	OW CA	CHE:		
Species		Advanced			PRI	EF. A						L COVERTYPE: N		
TA	x				Г	٦г	DRAG							
ВА	x	\vdash	\vdash		-	┪┝	MOUN			RE	NEWA	AL ACCESS		
WB	x	H	H			┪┝	TREN				х	ATV		
ws	Ĥ	х	x			7	WINT	ER RIPPER			х	HELICOPTER		
BS	П	П	х		<u>></u>	₹ [AREA	PLANT			П	TRUCK		
JP							<u> </u>				_			
BF														
	Cito	prep Sum	mon/		1 —			Namtina Cum				Survey Su	mmarı,	
Year	Acti	-	Area (ha)	Alternate	┤ ├,	Year	Season	Planting Sun Species	Density	Total	-	Туре	Series	Year
1001	700	1011	Alca (IIa)	Alternate	1 ⊢	2023	Sp	BS	1600	8280		Plantation Survival	First	2024
L					, ⊢	2023	Sp	WS	1600	5400	┝	Regeneration	First	2033
RENEWAI	L COMMENT	S/ISSUE	S:				1 -		1000	0.00				
ATV ac	cess for tree p	olant, plus	some large ar	eas of no deb	ris on the	e road	for helicopt	er landings.						
Area of	WS understor	ry >500 ste	ems/ha and <	6m in height I	ocated ir	n the S	central por	tion of the bl	ock (plot 3).	Clumps of un	dersto	ry will be protected		
in patch	nes.													
				PR	ESCRI	IPTIO	N REVIE	W AND M	ITIGATIOI	N				
		INTERN	AL REVIEW	<i>-</i>				EX	TERNAL RI	EVIEW				
		X PL	ANNING					Γx	SUBMITT	ED TO IRMT	on 11/	16/18		
		\vdash	LDLIFE					x		CONCERNS				
			VICULTURE] / ==	00.102.110				
IRMT Conce	rns and Comme	ents:					Mitiga	tion Strategy:						Mitigated
														\neg \vdash
Discuss and 32.	dropping area	around 29	9,32,33 and a	dding area ard	ound 28							cut this areas as it was removed from the bloo		x
1	tral ATV acces	ss for rene	ewal.									enninsula's in the block		х

West Favel - WEF-043

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Cut Block Name: WEF-046 Twp & Rge: t33r26w Cut Block Size: 29.8 ha **OPERATING AREA: West Favel** Ownership: Open Crown Mapsheet: 350574 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution TA 82 22.2 34 67% 113 3,359 ws BS ВF ВА 36 664 22.3 13% 22 60 **WB** 12.8 25 14% 23 683 Clumped 40 Clumped Total HW 94% 158 4,706 **Eco Land Classification Soils Summary** WS 13.0 28 129 1st 2nd 3rd BS 0% 0 LFH(cm) Moisture S-Type Surface Texture 0 JP 90 23.5 28 3% 5 153 01 08 V Type 05 Silt Loam 06 **S5** BF 0% 0 **Eco Site** 21 Total SW 6% 9 282 **Block Total:** 4,988 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 4,471 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 268 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **FROZEN SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course WIDTH (m) DETAILS **FEATURE** Wetland MFZ Located on the NE side. Structure will be maintained. Harvest as shown on map. Lake 100 Little Bobs Lake located on the E side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 238 to 357 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Block has been edited since mitigation and approximately 1.3 ha's has been added. Keep designated Route W/Snowman skidoo trail located on the NW side free of debris.

West Favel

				RE	ΝE	WAL PR	ESCRIPT	ION INF	ORMATIO	N					
RENEV	VAL STRA	ATEGY BY	SPECIES			SITE	PREPAR	ATIONS		SN	SNOW CACHE:				
Species	Natural	Advanced	Assisted			PREF. AI	LT.			RE	NEWA	L COVERTYPE: H			
TA	х						DRAG			DE	NEW.	AL ACCESS			
BA	х						MOUN			RE	RENEWAL ACCESS				
WB	х	\sqcup	Н			H	TRENC				Ы	ATV			
WS	Н	х	Н			WINTER RIPPER AREA PLANT					Н	HELICOPTER TRUCK			
BS JP	x	Н	Н			шц		LANI			Ш	TRUCK			
BF	Ĥ	\Box	H												
	Ш_		Ш		1						, ,				
V		iteprep Sun	1 -	A 14 4 -	l		1	lanting Sur		T	 	Survey Sun		Vaar	
Year	 	ction	Area (ha)	Alternate	ł	Year	Season	Species	Density	Total	┨	Type Reforestation	Series First	Year 2028	
					J				<u> </u>		JL	references	1 1100	2020	
RENEWAL	СОММЕ	NTS/ISSUE	ES:												
				PR	ES(RIPTIO	N REVIE	W AND M	IITIGATIO	N					
		WEED	LAL DEVIEW		LO	JKII TIO	N INEVIE								
		INTER	NAL REVIEW					EX	TERNAL R	KEVIEW					
		_	_ANNING					х	SUBMITT	TED TO IRM	on 11/	/16/18			
			ILDLIFE					х	ALL IRM	T CONCERN	S MITIC	GATED			
		_	LVICULTURE												
IRMT Concer	ns and Com	ments:					Mitigat	on Strategy:						Mitigate	
Discuss a	area E of p	ots 1 and 2	for harvest.				More	area can be	e added but s	some may no	t be ha	rvested depending on a	1	x	
							site v	sit.							
Retain all	I WS.							or overmate left as see		need to be h	arveste	ed but the younger trees	3	X	
							Carro	c icit as set	ou il cos.						

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut	Block Nam	e: WEF-	047			Twp 8	& Rge: t33r26	N	Cut Block Size: 18.4 ha									
OP	ERATING ARE	A: West F	avel			Owne	ership: Open	Crown			M	Mapsheet: 350574						
LIC	ENCE: FML 3					Mana	gement Unit:	13			La	Land Status:						
					PRE-H	ARVEST	SURVEY INF	ORMA	TION									
Specie	es Avg Age (yr)	Avg Ht (m)	Avg DBH (cm)	Vol %	m3/ha	Vol (m3)				oretory	Stems/ha	and Die	tribi	ıtion				
TA		· · ·	• , ,	0%	0	0		ws	Onu	егосогу	BS		uibu	ition		BF		
BA WB				0% 0%	0 0	0												
Total	HW			0%	0	0												
WS		0% 0 0 Eco Land Classification										Soils Summary						
BS	BS 0% 0 0 1st 2nd 3rd										LFH(cn	ı) S-Typ	e M	loisture	Sur	face Texture		
BF	JP 0% 0 0 V Type BF 0% 0 0 0 5 0 0																	
Total	SW			0%	0	0	Eco Site											
Block	Total:				0	0	Cover Type:	IB\	NC Cnt:	0								
				H	ARVES	T PRES	CRIPTION IN	IFORM	ATION	1								
HARVEST PRESCRIPTION INFORMATION HARPIWOOD VOLUME (m2): 4.519																		
HARDWOOD ALLOCATION: LP HARDWOOD ALLOCATION: SPI SOFTWOOD ALLOCATION: SPI SOFTWOOD ALLOCATION: SPI																		
SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 1,165																		
HARVEST SEASON HARVEST/SILVICULTURE SYSTEM SLASH ABATEMENT																		
HARVEST SEASON HARVEST/SILVICULTURE SYSTEM SLASH ABATEMENT ALL SEASON X CLEARCUT SHELTERWOOD WHOLE TREE																		
ALL SEASON X CLEARCUT SHELTERWOOD WHOLE TREE FROZEN SELECTION X UNDERSTOREY PROTECTION PILE & BURN																		
Х	DRY/FROZE	N		SEED	TREE		AVO	IDANCE				☐ w	/LF C	DEBRIS	PILE			
				SALV	AGE		X PAT	CH RETE	ENTION			W	/HOL	E TREE	TOF	P AT STUMP		
RUFFI	ER INFORMAT	ION					DES	IGNATE	D SKID	TRAILS	3							
	EATURE	WIDTH (m)	DETAILS										NOT	ΓE: IBW	C = In	Block Water Cours		
1 Tr	ail	MFZ	Route W located or	the N sic	le Harves	t as shown or	n man											
	etland	MFZ	Located in the cent					aintained.	Harvest	as show	n on map.							
_	etland	15-50	Located on the W s		•													
WILDL	IFE TREE RET	ENTION: As	s per Standard Op	erating	Guidlines	leave appr	oximately 147 to	o 221 tre	es.									
	E EROSION R		_	1			•											
HARVE	ST COMMENT	S/ISSUES:	_															
This b	lock has not bee	n surveyed.	The volume infor	mation is	based o	n surveyed	blocks in the ar	ea.										
		-	ute W (Snowman			_												
							Vest Favel											

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

				RE	NEWA	L PF	RESCRIP'	TION INF	ORMATIO	N						
RENEW	/AL STRA	TEGY BY	SPECIES			SIT	E PREPAF	RATIONS			SNOW CACHE:					
Species TA	Natural	Advanced	Assisted		PRE	≣F. <i>A</i>	ALT. DRAG			RE	NEWAI	L COVERTYPE: H				
ВА	Н		Н			<u> </u>	MOUN	D		RI	ENEW/	AL ACCESS				
WB WS	Н	H	H		\vdash	┨┞	TRENO	CH ER RIPPER			Н	ATV HELICOPTER				
BS	H		H			j t	_	PLANT			Н	TRUCK				
JP	П	П	П													
BF	Ш										, –					
Year		teprep Sum	Area (ha)	Alternate	L,	/ear	Season P	lanting Sur Species	nmary Density	Total	┨┞	Survey Su Type	mmary Series	Year		
leai		CUOII	Alea (IIa)	Alternate	<u> </u>	i eai	Season	Species	Delisity	Total	┪┝	Reforestation	First	2029		
RENEWAL	COMMEN	ITS/ISSI IE		•							_		•			
RENEWAL	COMMEN	113/1330	-3.													
				PR	ESCRII	PTIC	ON REVIE	W AND N	IITIGATIO	N						
		INTERN	NAL REVIE	N				EX	TERNAL R	REVIEW						
		-	ANNING						-1	TED TO IRM						
			ILDLIFE LVICULTURI	E					ALL IRM	T CONCERN	S MITIC	GATED				
IRMT Concer	ns and Comi						Mitigat	ion Strategy:						Mitigated		
							Ì							$\neg \sqcap$		

West Favel - WEF-047

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Cut Block Name: WEF-048 Twp & Rge: t33r26w Cut Block Size: 6.9 ha **OPERATING AREA: West Favel** Ownership: Open Crown Mapsheet: 350574 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution TA 20.3 29 97% 229 1,588 ws BS ВF ВА 0% 0 0 **WB** 15.5 32 3% 6 42 Total HW 100% 236 1,630 **Eco Land Classification Soils Summary** WS 0 1st 2nd 3rd BS 0% LFH(cm) Moisture 0 0 S-Type Surface Texture JP 0% 0 0 V Type 05 Silt Loam 06 **S5** BF 0% 0 0 **Eco Site** 31 Total SW 0% 0 0 **Block Total:** 236 1,630 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 1,549 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): HARVEST/SILVICULTURE SYSTEM HARVEST SEASON **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE **FROZEN SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ Located on the E side. Structure will be maintained. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 55 to 83 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Block has been editied since mitigation. The portion of the block south of Route W was removed and added to block WEF-047. Keep designated Route W/Snowman skidoo trail located on the S side free of debris.

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

				RE	NE	WAL PR	ESCRIP [*]	TION INF	ORMATIC	N				
RENEV	NEWAL STRATEGY BY SPECIES SITE PREPARATIONS								SI	NOW C	ACHE:			
Species	Natural	Advanced	Assisted			PREF. A	LT.			RI	ENEWA	L COVERTYPE: H		
TA	х						DRAG			R	FNFW	AL ACCESS		
ВА	Щ	Ш	Ц			$H \vdash$	MOUN			IX.		1		
WB	X	H	H			H	TRENC	CH ER RIPPER			Н	ATV		
WS BS	Н	H	H			$H \vdash$	-	PLANT			Н	HELICOPTER TRUCK		
JP	H	H	H				7.1.1.27.1				Ш	TROOK		
BF	H		H											
					ı						7 6	0		
Year		Siteprep Sum Action	Area (ha)	Alternate		Year	Season	Species		Total	┨┞	Survey Su Type	Series	Year
Teal	 	ACTION	Alea (lia)	Aiternate		Tear	Season	Species	Density	Total	┨┞	Reforestation	First	2028
					l					<u> </u>	J			<u> </u>
RENEWAL	COMME	NTS/ISSUE	ES:											
				PR	ES(CRIPTIO	N REVIE	W AND N	IITIGATIO	N				
		WITED	NAL DEVIEN				NIKEVIE							
		INTER	NAL REVIEW	1				EX	TERNAL F	KEVIEW				
		-	LANNING					х	SUBMIT	TED TO IRM	T on 11	/16/18		
			ILDLIFE					х	ALL IRM	T CONCERN	IS MITI	GATED		
			ILVICULTURE											
IRMT Concer	rns and Con	nments:					Mitigat	ion Strategy:						Mitigate
Discuss i	incorporati	ng more han	vest to the N ir	nstead of WEF	-105		More	buffer cut o	an be added	I to the west	assumir	ng it is not blown down		x
							The a	area to the r	orth is plann	ed for next p	ass.			
1														

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: WEF-060 Twp & Rge: t33r26w Cut Block Size: 135.6 ha **OPERATING AREA: West Favel** Ownership: Open Crown Mapsheet: 350574 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution TΑ 0% 0 0 ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 17,266 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 4,451 HARVEST/SILVICULTURE SYSTEM HARVEST SEASON **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ-15 Located on the N, W and S sides of the block. Variable MFZ to 15m buffer. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 1,085 to 1,627 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area. West Favel

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

				RE	ΝE	WAL PR	ESCRIP1	TION INFO	ORMATIO	N				
		ATEGY BY					E PREPAR	ATIONS			NOW CA			
Species TA BA WB	Natural	Advanced	Assisted			PREF. A	DRAG MOUN TRENG					AL ACCESS ATV		
WS BS JP BF							WINTE AREA	R RIPPER PLANT				HELICOPTER TRUCK		
		teprep Sum						lanting Sun	amon.		7 6	Survey Su	ımmarv	
Year		ction	Area (ha)	Alternate		Year	Season	Species	Density	Total	┨┞	Туре	Series	Year
	1		1 (1,								1	Reforestation	First	2029
RENEWAL	. COMMEI	NTS/ISSUE	ES:											
				DD.	ESC	PRIDTIO	N DEVIE	W AND M	UTICATIO	N.				
		INTERN	NAL REVIEV		-50	KIPTIO	N KEVIE		ITIGATIO TERNAL R					
		PL	ANNING	•				F	SUBMITT	TED TO IRM		PATED		
			LVICULTURE	Ē					ALL IKIVI	CONCER	NO WILLIO	SATED		
IRMT Concer	ns and Com						Mitigati	ion Strategy:						Mitigated

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: WEF-061 Twp & Rge: t33r26w Cut Block Size: 22.7 ha **OPERATING AREA: West Favel** Ownership: Open Crown Mapsheet: 350574 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 2,570 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 663 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ-15 Located on the NE side. Variable MFZ to 15m buffer. Harvest as shown on map. Trail MFZ Route W located on the SW side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 182 to 272 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area. Keep equipment and debris off Route W (Snowman Trail) located on the SW side of block. West Favel

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

				RE	NEWA	L PR	RESCRIPT	TION INFO	ORMATIO	N				
RENEW	RENEWAL STRATEGY BY SPECIES SITE PREPARATIONS									SN	OW CA	ACHE:		
Species	Natural	Advanced	Assisted		PRE	F. A	LT.			RE	NEWA	L COVERTYPE: H		
TA					_	┨┝	DRAG	_		RE	NEW/	AL ACCESS		
BA WB	Н	\vdash	H		\vdash	┨┞	MOUN TRENC				П	ATV		
ws	H	\vdash	H			┪┝		R RIPPER			Н	HELICOPTER		
BS	П] [AREA	PLANT				TRUCK		
JP														
BF	Ш													
	Si	teprep Sum	mary				P	lanting Sun	nmary] [Survey Su	mmary	
Year	A	ction	Area (ha)	Alternate	Y	ear_	Season	Species	Density	Total	↓ ⊦	Type	Series	Year
											J L	Reforestation	First	2029
RENEWAL	COMMEN	NTS/ISSUE	S:											
				DD	COODU	27/0	N DEVIE	A AND B	UTICATIO	N				
		INITEDA	IAL DEVIEW		ESCRI	PIIO	N REVIE		IITIGATIO					
			NAL REVIEV	V				EX	TERNAL R	EVIEW				
		_	ANNING ILDLIFE					<u> </u>	4	ED TO IRM				
			LVICULTURE					L	ALL IRM	CONCERN:	S MITIC	GATED		
IRMT Concer	ns and Com						Mitigati	on Strategy:						Mitigate
							1							\neg \vdash

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: WEF-062 OPERATING AREA: West Favel			-	k Rge: t33r26v						Size: 18.2	2 ha
OPERATING AREA: West Favel Ownership: Open Crown Mapsheet: 350574 LICENCE: FML 3 Management Unit: 13 Land Status:											
		PRE-H/		SURVEY INF		TION		<u> </u>			
Species Avg Age (yr) Avg Ht (m) Avg DBH (cm)	Vol %	m3/ha	Vol (m3)	30KV2T III.	OTAII.		erstory	Stems/ha	and Distr	ibution	
TA BA	0% 0%	0	0		ws	0		BS			BF
WB	0%	0	0								
Total HW WS	0%	0	0	Eco La	nd Class	sification	ı			Soils Sumr	narv
BS	0%	0	0		1st	2nd	3rd	LFH(cm)			
JP BF	0% 0%	0 0	0 0	V Type							
Total SW	0%	0	0	Eco Site							
Block Total:		0	0	Cover Type:	IBV	VC Cnt:	0				
	Н	ARVES	ST PRESC	CRIPTION IN	FORM	ATION					
HARDWOOD ALLOCATION: LP							НА	RDWOOD	VOLUME	E (m3): 2,33	31
SOFTWOOD ALLOCATION: SPL							SO	FTWOOD '	VOLUME	(m3): 601	
HARVEST SEASON		HAF	RVEST/SIL	VICULTURE S	SYSTEM	Л			5	SLASH AE	BATEMENT
ALL SEASON X	CLEA	RCUT		SHELTERWOO	D				WH	IOLE TREE	
FROZEN	ł	CTION	х	UNDERSTORE		ECTION	1			E & BURN	
X DRY/FROZEN	•	TREE		—	DANCE	NTION				F DEBRIS	
SALVAGE X PATCH RETENTION WHOLE TREE TOP AT STUMP DESIGNATED SKID TRAILS											
FEATURE WIDTH (m) DETAILS									1	NOTE: IBW	C = In Block Water Course
1 Trail MFZ Route W located or	the S sid	le. Harvest	t as shown on	n map.							
				<u> </u>							
WILDLIFE TREE RETENTION: As per Standard Op	nerating	Guidlines	leave anno	oximately 146 to	219 tre	es					
SEVERE EROSION RISK POTENTIAL:		ouium ioo	louvo uppi	oximatory 140 to							
HARVEST COMMENTS/ISSUES:											
This block has not been surveyed. The volume inform				blocks in the are	ea.						
Keep equipment and debris of Route W (Snowman	Frail) loc	ated on th	ne S side.								
				Vect Favel							

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

				RE	NEWA	L PF	RESCRIP'	TION INF	ORMATIO	N				
RENEW	ENEWAL STRATEGY BY SPECIES SITE PREPARATIONS									IOW CA	ш			
Species TA	Natural	Advanced	Assisted		PRE	:F. Α	ALT. DRAG			RE	NEWAI	L COVERTYPE: H		
ВА	Н	Ш	Н			1	MOUN	D		RI	ENEW/	AL ACCESS		
WB WS	Н	Н	Н		-	╁	TRENO	CH ER RIPPER			Н	ATV HELICOPTER		
BS	Н	H	H			1 t	_	PLANT			Н	TRUCK		
JP	П	П	П											
BF	Ш	Ш			_						, –			
Year		teprep Sum	Area (ha)	Alternate	L	'ear	Season P	lanting Sur Species		Total	┨┞	Survey Su Type	mmary Series	Year
Teal	1	ZUOII	Alea (IIa)	Aiternate	<u> </u>	eai	Season	Species	Density	Total	┪┝	Reforestation	First	2029
RENEWAL	COMMEN	ITS/ISSI IE	· :e.								_		•	
RENEWAL	COMMEN	113/1330												
				PR	ESCRI	PTIC	ON REVIE	W AND N	IITIGATIO	N				
		INTERN	NAL REVIE	W				EX	TERNAL R	REVIEW				
		\vdash	ANNING						-1	TED TO IRM				
			ILDLIFE LVICULTURI	E					ALL IRM	T CONCERN	S MITIC	GATED		
IRMT Concern	ns and Comr						Mitigat	ion Strategy:						Mitigated
														\neg
														┨╙
							1							
1														

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: WEF-063 Twp & Rge: t33r26w Cut Block Size: 39.9 ha **OPERATING AREA: West Favel** Ownership: Open Crown Mapsheet: 350574 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS ВF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture **Surface Texture** JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 5,105 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 1,316 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS Wetland MFZ-30 Located on the N side. Variable MFZ to 30m buffer. Harvest as shown on map. Trail MFZ 2 Route W located on the E side. Harvest as shown on map. 15-50 Stream Located on the S side. Harvest as shown on map **Ephemeral Drain** Located on the NW side. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 319 to 479 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** This block has not been surveyed. The volume information is based on surveyed blocks in the area. Keep equipment and debris off Route W (Snowman Trail) located on the E side.

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

				RE	NE	WAL PR	ESCRIP1	TION INF	ORMATIC	N				
RENEV	ENEWAL STRATEGY BY SPECIES SITE PREPARATIONS								SN	IOW CA	ACHE:			
Species							RE	NEWA	L COVERTYPE: H					
TA							DRAG			D.				
ВА							MOUN	D		RE	ENEWA	AL ACCESS		
WB						\Box	TRENC					ATV		
ws	Ш	Ш	Ш			$H \vdash$	_	R RIPPER			Ш	HELICOPTER		
BS	Н	Н	Н				AREA	PLANT			Ш	TRUCK		
JP BF	Н	Н	H											
BF	Ш	Ш	Ш											
	Sit	eprep Sum	mary	_			P	lanting Sun	nmary] [Survey Su		
Year	Ac	tion	Area (ha)	Alternate		Year	Season	Species	Density	Total	↓ Ļ	Туре	Series	Year
											JL	Reforestation	First	2029
RENEWAL	COMMEN	TS/ISSUE	S:											
				PR	ESC	CRIPTIO	N REVIE	W AND N	ITIGATIO	N				
		INTERN	IAL REVIEW						TERNAL F					
			ANNING						•		_			
		\vdash	LDLIFE					<u> </u>	4	TED TO IRM		0.4 TED		
			LVICULTURE					L	ALL IRM	T CONCERN	SMITIC	5ATED		
IRMT Concer	rns and Comn						Mitigati	on Strategy:						Mitigated
							1							¬ _

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: WEF-064 Twp & Rge: t33r26w Cut Block Size: 48.6 ha **OPERATING AREA: West Favel** Ownership: Open Crown Mapsheet: 350574 LICENCE: FML 3 Management Unit: 13 Land Status: Backcountry PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS BF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type 0 Moisture Surface Texture .IP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 6,221 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 1,604 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Located on the SE side. Harvest as shown on map. Stream 15-75 Located on the N side. Harvest as shown on map. Stream 15-50 Stream Located on the W side. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 389 to 583 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Park boundary will be located with GPS to ensure no encroachment into Back Country zone. Block design follows natural boundaries where possible along park boundary. This block has not been surveyed. The volume information is based on surveyed blocks in the area. West Favel

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

				RE	NEWA	L PR	RESCRIPT	TION INFO	ORMATIO	N				
RENEW	RENEWAL STRATEGY BY SPECIES SITE PREPARATIONS									SN	OW CA	ACHE:		
Species	Natural	Advanced	Assisted		PRE	F. A	LT.			RE	NEWA	L COVERTYPE: H		
TA					_	┨┝	DRAG	_		RE	NEW/	AL ACCESS		
BA WB	Н	\vdash	H		\vdash	┨┞	MOUN TRENC				П	ATV		
ws	H	\vdash	H			┪┝		R RIPPER			Н	HELICOPTER		
BS	П] [AREA	PLANT				TRUCK		
JP														
BF	Ш													
	Si	teprep Sum	mary				P	lanting Sun	nmary] [Survey Su	mmary	
Year	A	ction	Area (ha)	Alternate	Y	ear_	Season	Species	Density	Total	↓ ⊦	Type	Series	Year
											J L	Reforestation	First	2029
RENEWAL	COMMEN	NTS/ISSUE	S:											
				DD	COODU	27/0	N DEVIE	A AND B	UTICATIO	N				
		INITEDA	IAL DEVIEW		ESCRI	PIIO	N REVIE		IITIGATIO					
			NAL REVIEV	V				EX	TERNAL R	EVIEW				
		_	ANNING ILDLIFE					<u> </u>	4	ED TO IRM				
			LVICULTURE					L	ALL IRM	CONCERN:	S MITIC	GATED		
IRMT Concer	ns and Com						Mitigati	on Strategy:						Mitigate
							1							\neg \vdash

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

Cut Block Name: WEF-065 Twp & Rge: t33r26w Cut Block Size: 86.2 ha **OPERATING AREA: West Favel** Ownership: Open Crown Mapsheet: 350574 LICENCE: FML 3 Management Unit: 13 Land Status: Backcountry PRE-HARVEST SURVEY INFORMATION m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Avg DBH (cm) Vol % Understory Stems/ha and Distribution 0% 0 0 TA ws BS BF ВА 0 0% 0 **WB** 0% 0 0 Total HW 0% 0 0 **Eco Land Classification Soils Summary** WS 0% 0 0 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type Moisture 0 Surface Texture JP 0% n 0 V Type BF 0% 0 **Eco Site** Total SW 0% 0 0 **Block Total:** 0 Cover Type: IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 11,031 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 2,844 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS 30-100 Located on the SE side. Harvest as shown on map. Stream WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 689 to 1,034 trees. SEVERE EROSION RISK POTENTIAL: x **HARVEST COMMENTS/ISSUES:** Park boundary will be located with GPS to ensure no encroachment into Back Country zone. Block design follows natural boundaries where possible along park boundary. This block has not been surveyed. The volume information is based on surveyed blocks in the area. Keep equipment and debris off Route W (Snowman Trail) located on the NE side of block.

West Favel

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Contingency

				RE	NEWA	L PR	RESCRIPT	TION INFO	ORMATIO	N				
RENEW	RENEWAL STRATEGY BY SPECIES SITE PREPARATIONS									SN	OW CA	ACHE:		
Species	Natural	Advanced	Assisted		PRE	F. A	LT.			RE	NEWA	L COVERTYPE: H		
TA					_	┨┝	DRAG	_		RE	NEW/	AL ACCESS		
BA WB	Н	\vdash	H		\vdash	┨┞	MOUN TRENC				П	ATV		
ws	H	\vdash	H			┪┝		R RIPPER			Н	HELICOPTER		
BS	П] [AREA	PLANT				TRUCK		
JP														
BF	Ш													
	Si	teprep Sum	mary				P	lanting Sun	nmary] [Survey Su	mmary	
Year	A	ction	Area (ha)	Alternate	Y	ear_	Season	Species	Density	Total	↓ ⊦	Type	Series	Year
											J L	Reforestation	First	2029
RENEWAL	COMMEN	NTS/ISSUE	S:											
				DD	COODU	27/0	N DEVIE	A AND B	UTICATIO	N				
		INITEDA	IAL DEVIEW		ESCRI	PIIO	N REVIE		IITIGATIO					
			NAL REVIEV	V				EX	TERNAL R	EVIEW				
		_	ANNING ILDLIFE					<u> </u>	4	ED TO IRM				
			LVICULTURE					L	ALL IRM	CONCERN:	S MITIC	GATED		
IRMT Concer	ns and Com						Mitigati	on Strategy:						Mitigate
							1							\neg \vdash



LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

Integrated Operations by Operating Area

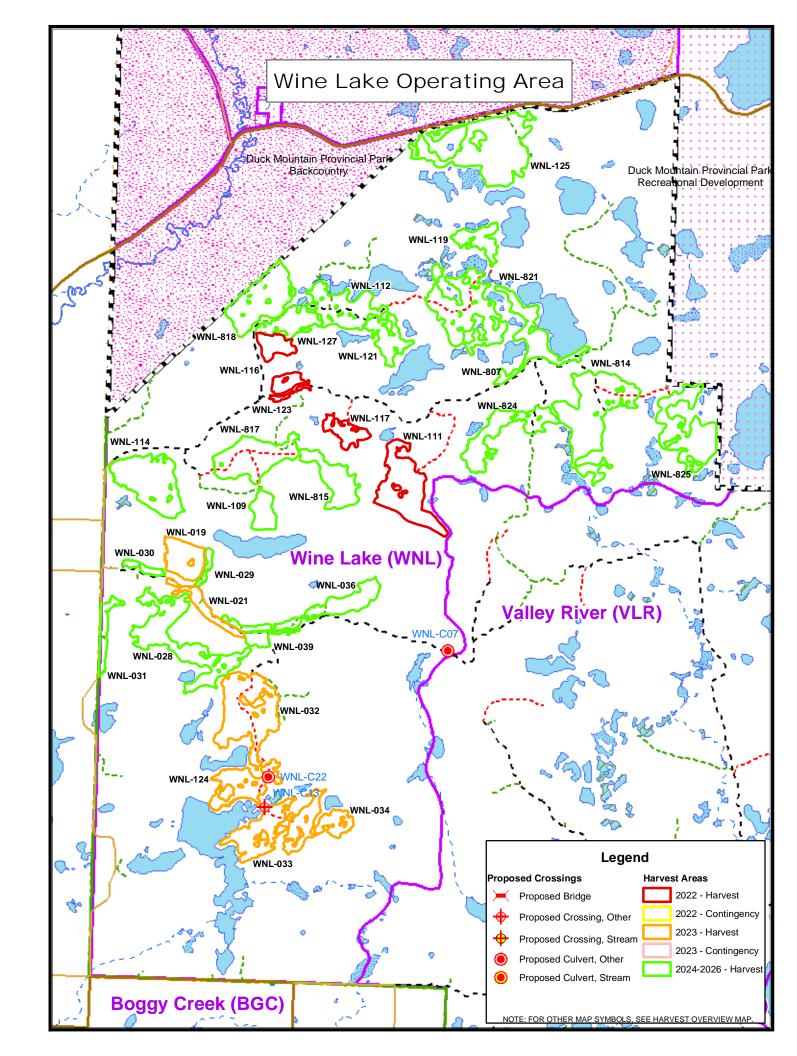
Plan(s): FML 3 2022 - Harvest, FML 3 2022 - Contingency, FML

3 2023 - Harvest, FML 3 2023 - Contingency

Wine Lake FMU 13

WNL-019	32.36 Hectares		2023 Harvest
HW Allocation	6,373 m3	LP	
SW Allocation	246 m3	SPL	
WNL-021	17.06 Hectares		2023 Harvest
HW Allocation	2,895 m3	LP	
SW Allocation	114 m3	SPL	
WNL-032	86.62 Hectares		2023 Harvest
HW Allocation	11,397 m3	LP	
SW Allocation	8,179 m3	SPL	
WNL-033	44.85 Hectares		2023 Harvest
HW Allocation	9,002 m3	LP	
SW Allocation	5,935 m3	SPL	
WNL-034	46.18 Hectares		2023 Harvest
HW Allocation	4,799 m3	LP	
SW Allocation	9,185 m3	SPL	
WNL-111	72.19 Hectares		2022 Harvest
HW Allocation	15,978 m3	LP	
SW Allocation	3,285 m3	SPL	
WNL-116	34.16 Hectares		2022 Harvest
HW Allocation	4,714 m3	LP	
SW Allocation	687 m3	SPL	
WNL-117	18.63 Hectares		2022 Harvest
HW Allocation	2,385 m3	LP	
SW Allocation	1,297 m3	SPL	
WNL-123	3.53 Hectares		2022 Harvest
HW Allocation	268 m3	LP	
SW Allocation	110 m3	SPL	
WNL-124	39.90 Hectares		2023 Harvest
HW Allocation	6,492 m3	LP	
SW Allocation	2,020 m3	SPL	

FML 3	2022 - 2024	OP



Internal Mitigation Comments

General

Operating Area	Concern	Manitoba	Action/Response
Wine Lake	Wildlife Ungulate	Would prefer that WNL-019, 021, 028, 029 and 030 be deferred for a few years. NRND to investigate wildlife issues in the area.	Both WNL-019 and 021 have been deferred once and will now be harvested. Will delay harvest of WNL-028, 029 and 030.
		Would prefer WNL-031 not be cut at all, would be heavily night lighted.	This is a narrow buffer harvest with 15 to 25 year old harvest areas behind it. Less than 200m distance to cover. Will be deferred for now.
	Access Control	Where ATV access is to be left for renewal purposes, only one central access may be retained. No in block spur roads are to be left. A limited number of strategically distributed helicopter landing areas may be left on roads and landings. Access to be closed following completion of planting activities by no later than July 31, unless separate approval is applied for.	Agreed. Will determine on a site by site basis.

Site Specific

Block	Concern	Manitoba	Action/Response
WNL-032	Access Control	Minimal access to be left for planting. See Operating Area General Comment about planting access.	Agreed
	Wildlife Ungulate	Require a 300 m LOS for elk.	Agreed
WNL-033	Wildlife Ungulate	Require a 300 m LOS for elk.	Agreed
	Access Control	Minimal access to be left for planting. See Operating Area General Comment about planting access.	Agreed

WNL-034	Riparian Mgmt. Wildlife	30m minimum buffer on wetland in the NW.	Agreed.
		30m minimum buffer on the south side of the NE wetland.	Agreed. Not sure what wetland this is refering to but added buffer on wetland on NE side.
	Access Control	Minimal access to be left for planting. See Operating Area General Comment about planting access.	Agreed
WNL-111	Access Control	Remove the S side of the block to limit access across operating area boundaries.	The operating area boundary was designed by LP only as a means of delineating harvest areas. Many operating areas have access between them. Will leave block as is.
	Riparian Mgmt. Wildlife	Increase the buffer on the N side from MFZ to 30 m minimum.	Agreed.
WNL-116	Riparian Mgmt. Wildlife	Increase the buffer on the meadows to 30m minimum to limit LOS.	Agreed.
	Riparian Mgmt. Wildlife	Increase the buffer on the wetland near the center of the block and the trail on the south end. Both to a 30m minimum.	Wetland in center of block is expanding. Will add some strategic leave areas along wetland in center. Created a visual 15 to 30m buffer along trail.
WNL-117	No concerns	No concerns with the block as drawn.	
	Access Control	Minimal access to be left for planting. See Operating Area General Comment about planting access.	Agreed.
WNL-124	Riparian Mgmt. Wildlife	Increase the buffer on the NE and SE sides from MFZ to 30 m minimum.	Will leave buffers as drawn. As noted the floods/wetlands are expanding and since 2008 has lost at least 20 to 30m of trees along edges.

	Access Control	WNL-124 access through WNL-032. Why? Won't this create a circle route? Why not use the access that already exists around the tree improvement site?	The access from the tree improvement site is flooded and not even usable with an ATV. I had to walk into block WNL-124. There will be no circle route. The access as shown will allow dry/frozen access to WNL-124.
WNL-019	Age of Mitigation	Last mitigated in 2004. Will revisit mitigation at permit time. If they are not deferred.	This block has been deferred once and will now be harvested.
WNL-021	Age of Mitigation	Last mitigated in 2005. Will revisit mitigation at permit time. If they are not deferred.	This block has been deferred once and will now be harvested.
WNL-028, WNL- 029, WNL-030, WNL-031	Not Surveyed	Will mitigate after survey. If they are not deferred.	
WNL-108, 110, 123	No concerns	Already been permitted.	

Roads Wine Lake

	WNL-1	A (existin	g)			Addition Comme		d Develo	pment	
Road De	evelopn	<u>nent:</u>				This road	d goes ι			ction to blocks WNL-032, 033, 034 and 124.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	0	fespan f Road (yrs)					and 030 are also accessed from this road. ess to blocks VLR-022, 023 and 024.
3.1	20	8	Dry/Frozen		50					
Road De	eactivati	on:		Ω ت	П (Ω̈		
Road Clos Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer							V	These are existing roads and will remain open. It is also part of the Snoman Trail system.
		-4A (existi	ng)			Comme	nts	d Develo		
Road Do	<u>evelopn</u>	<u>nent:</u>				This road	d acces	ses block	(WNL-	019. This road was used in 1998.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use		fespan f Road (yrs)					
0.3	20	8	Dry/Frozen		1					
Road De	eactivati	on:		Σū	П (0			Š	_	
Road Clos Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer			V					This road will be closed with slash and debris after harvest.
				_						
\	WNL-1A	-6A (existi	ng)			Addition Comme		d Develo	pment	
Road De	<u>evelopn</u>	<u>nent:</u>				This road	d acces	ses block	WNL-	032 and is part of the access to blocks WNL-033,
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use		fespan f Road (yrs)	034 and	124.			
1.0	20	8	Dry/Frozen		10					
Road De	eactivati	on:		교	ο σ	m (P	_	Sit	-	
Road Clos Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rer			Y					This road will be closed with slash and debris. ATV access is required for renewal and survey purposes.

	WN	IL-1A-6B			Additio		d Develo	pment	
Road D	evelopn	nent:		_	Comme This roa		hrouah b	olock WI	NL-032 and accesses block WNL-124 and goes
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespan of Road (yrs)	up to cro				g
2.5	20	8	Dry/Frozen	1					
Road De	eactivati	ion:	2	2 D . W) п	_	Sit	_	
Road Clo Responsi			Relicva	Slash and Debris Crossing	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rei							This road will be closed with debris at selected locations in blocks WNL-032 and 124. ATV access is required for renewal and survey purposes. Crossing WNL-C22 will be removed after renewal activities.
	W	IL-1A-6C			Addition		d Develo	pment	
Road D	evelopn	nent:		J	Comme This roa		ses bloc	ks WNL	-033 and 034.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespan of Road (yrs)					
0.6	15	6	Frozen	1					
Road De	eactivati	ion:	2	ο C) п	_	S	_	
Road Clo Responsi			Relicva	Slash and Debris Crossing	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rei							This road will be closed with debris at selected locations in block WNL-033. ATV access is required for renewal and survey purposes. Crossing WNL-C13 will melt restricting access.
V	/NL-7A 1	to 7C (exis	ting)]	Additio		d Develo	pment	
Road D					Comme These ro		un to the	access	s to block WNL-111. They are part of the access
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespan of Road (yrs)	to blocks				
2.7	20	8	Dry/Frozen	50					
Road De	<u>eactivati</u>	i <u>on:</u>	7	0 0 0 0	о ш п	0	Sit	7	
Road Clo Responsi			Zelloval	Slash and Debris Crossing	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP/SPL		Post-Ha Post-Rei	<u> </u>					✓	This is an existing road which will remain open for future harvest.
	WNL-7E	3-1A (existi	ing)		Addition Comme		d Develo	pment	
Road D	evelopn	nent:					ses part	of block	x WNL-116.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season of Use	Lifespan of Road (yrs)					

8

Dry/Frozen

1.0

20

Road De	activati	ion:		<u>ک</u> 5	Π. ω		_	Si	_	
Road Clos Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP/SPL		Post-Ha Post-Rei							V	This is an existing road which will remain open.
	WN	NL-7C-1A				Addition Comme		d Develo	pment	
Road Do	evelopn	nent:				This roa	d acces	ses block	k WNL-	117.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season o Use		fespan of Road (yrs)					
0.4	20	8	Dry/Froze	n	1					
Road De Road Clos Responsi	sure	ion:		Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rei			V	V				A berm will be placed at the start of the road. This road will also be closed with slash and debris if available in block WNL-101 which was harvested in 2004. ATV access is required for renewal and survey purposes.
	WN	IL-7C-2A				Addition		d Develo	pment	
Road De	<u>evelopn</u>	nent:				This roa	d acces	ses block	k WNL-	111.
Road Length (km)	ROW Width (m)	Road Surface Width (m)	Season o Use		fespan of Road (yrs)					
1.6	20	8	Dry/Froze	n	1					
Road De	activati	ion:		장오	- CO		_	S	_	
Road Clos Responsi				Crossing Removal	Slash and Debris	Earth Berm	Gate	Site Prep	None	Additional Road Closure Comments
LP		Post-Ha Post-Rei			✓	V				This road will be closed at selected locations in block WNL-108. A berm will be placed at the start of the road.



LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0

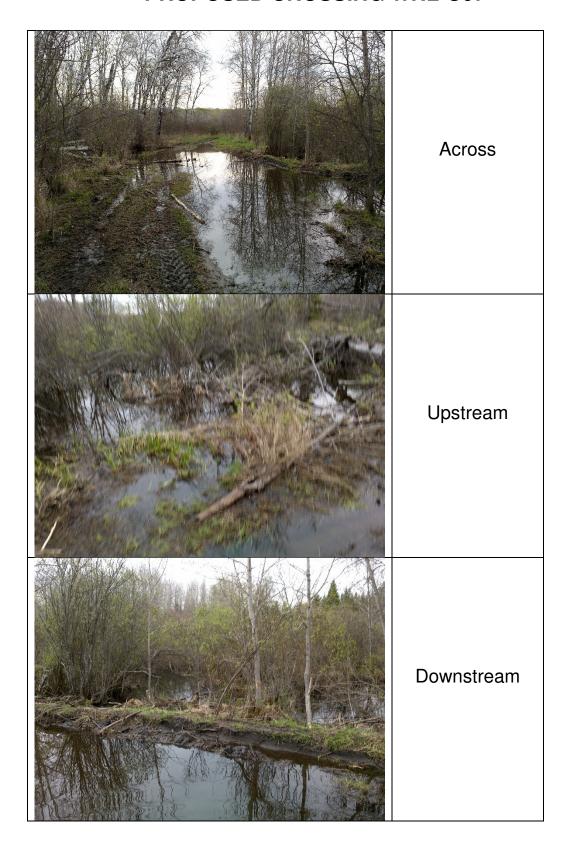
Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

FML 3 2022 - Proposed Crossings

Crossing Name: WNL-C07		Ownership: LP
Operating Area: Wine Lake		Contingency Crossing:
UTM Northing: 5707395		UTM Easting: 348711
Stream Type: Other Water	course	Land Description: SW22-29-27W
Watercourse Name: N/A		Crossing Inspection Date: 13-May-2016
Channel Width (m): N/A		Stream Assessment Required:
Water Depth (m): N/A		Stream Assessment Complete:
Road Name: WNL-1C		
Site Description:		
Crossing is on an existing trail which has been flo	ooded. Small dam will be remove	ed lowering the water level. Substrate is clay.
		,
General Considerations:		
LP will follow DFO Operational Statement for ten	nporary crossings.	
Crossing Structure:		Crossing Lifespan:
Preferred	Alternate	Temporary Crossing:
<u></u>		Temporary Crossing:
Ice Bridge		01 September,2022 to 01 July,2023
Portable Bridge		Permanent Crossing:
Rail Car Bridge		
Timber Bridge		Proposed Install Date:
Snow and Ice Xing Arch Culvert	<u>x</u>	Crossing Duration: Years
Round Culvert X	H	Remove after Renewal Activities:
		Remove and Removal Adamage.
Installation & Removal Notes:		
	•	low and ice crossing will be cleaned off and a trench will be Il melt and the area will return to near natural conditions.
A minimum 18 inch culvert is required.	onon and loc drossing wil	
·	oved and the road approaches w	rill be recontoured to a near natural slope. If required the area
will be seeded with grass and erosion control ma		

PROPOSED CROSSING WNL-C07





LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0

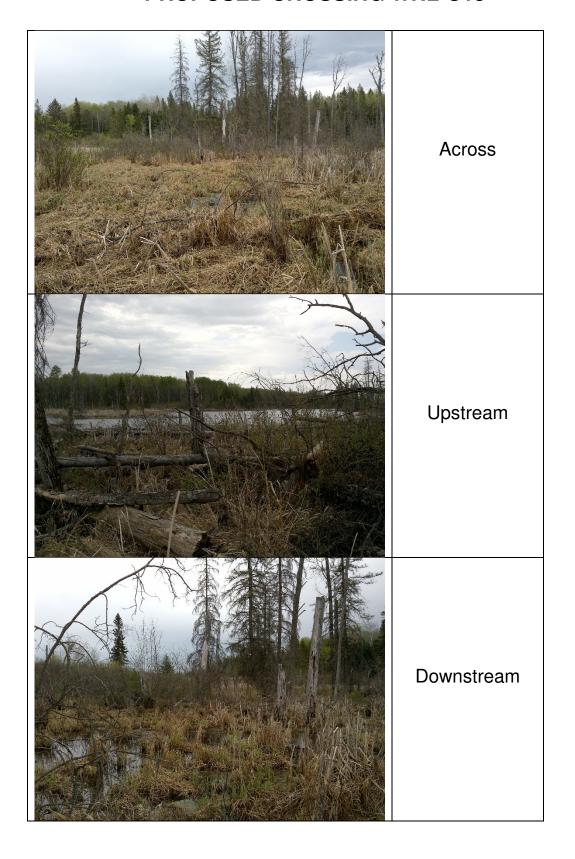
Phone: 204-734-4102 Fax: 204-734-3646

WATER CROSSING PRESCRIPTION

FML 3 2023 - Proposed Crossings

Crossing Name: WNL-C13	Ownership: LP
Operating Area: Wine Lake	Contingency Crossing:
UTM Northing: 5704898	UTM Easting: 345778
Stream Type: Other Watercourse	Land Description: NE8-29-27W
Watercourse Name: N/A	Crossing Inspection Date: 18-May-2016
Channel Width (m): N/A	Stream Assessment Required:
Water Depth (m): N/A	Stream Assessment Complete:
Road Name: WNL-1A-6C	·
ML Wide	
Site Description:	
This crossing is a sedge/willow/alder meadow between a lake and wetland. Featu	ure is apporximately 115 meters wide at the crossing location
This crossing is a sedge/willow/alder meadow between a lake and wetland. I eath	are is appointmately 110 meters wide at the crossing location.
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
Preferred Alternate	Temporary Crossing:
	Temporary Crossing:
Ice Bridge	01 December,2023 to 31 March,2024
Portable Bridge	Permanent Crossing:
Rail Car Bridge	
Timber Bridge Snow and Ice Xing	Proposed Install Date:
Arch Culvert	Crossing Duration: Years
Round Culvert	Remove after Renewal Activities:
Installation & Removal Notes:	
After harvest is completed the surface of the snow and ice crossing will be cleaned	ed off and a trench will be constructed to allow for flow during
the spring melt. The snow and ice crossing will melt and the area will return to ne	•

PROPOSED CROSSING WNL-C13





LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0

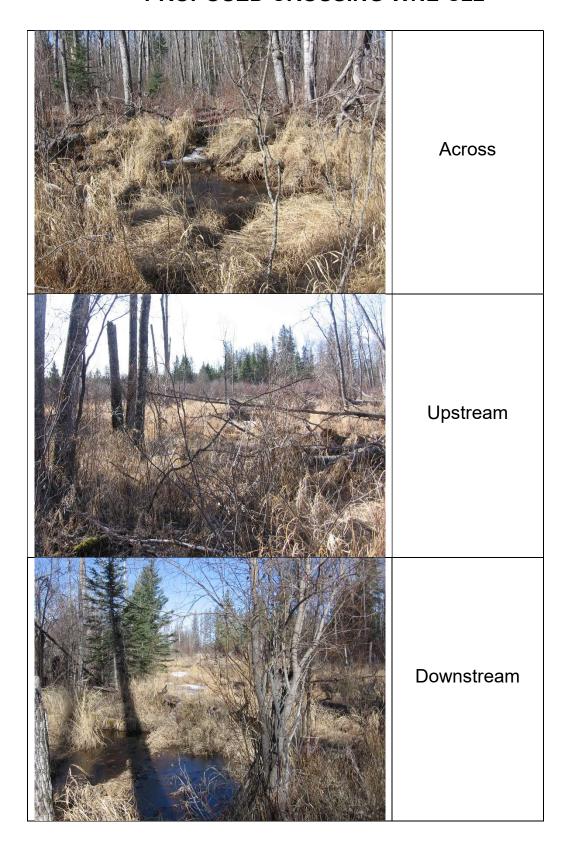
FML 3 2023 - Proposed Crossings

WATER CROSSING PRESCRIPTION

Phone: 204-734-4102 Fax: 204-734-3646

Crossing Name: WNL-C22	Ownership: LP
Operating Area: Wine Lake	Contingency Crossing:
UTM Northing: 5705384	UTM Easting: 345841
Stream Type: Other Watercourse	Land Description: SE17-29-27W
Watercourse Name: N/A	Crossing Inspection Date: 08-April-2021
Tratorodardo Italiior	
(,-	Stream Assessment Complete:
Water Depth (m): 0.5	Stream Assessment Complete:
Road Name: WNL-1A-6B	
Site Description:	
Crossing is a small drain in a mixed wood stand. Crossing is approximatley 5m wid	e sedne. Substrate is organic. No banks are present
Crossing is a small drain in a mixed wood stand. Crossing is approximately 511 wid	e seuge. Substrate is organic. No banks are present.
Company Compidentian	
General Considerations:	
LP will follow DFO Operational Statement for temporary crossings.	
Crossing Structure:	Crossing Lifespan:
<u>Preferred</u> <u>Alternate</u>	Temporary Crossing:
Ice Bridge	01 July,2023 to 01 October,2025
Portable Bridge	Permanent Crossing:
Rail Car Bridge	remailent crossing.
Timber Bridge	Proposed Install Date:
Snow and Ice Xing	Crossing Duration: Years
Arch Culvert	
Brand Outland	
Round Culvert	Remove after Renewal Activities:
Round Culvert	Remove after Renewal Activities:
	Remove after Renewal Activities:
	Remove after Renewal Activities:
	Remove after Renewal Activities:
Installation & Removal Notes: A minimum 18 inch culvert is required.	
Installation & Removal Notes:	be recontoured to a near natural slope. If required the area
Installation & Removal Notes: A minimum 18 inch culvert is required. After harvest is completed the culvert will be removed and the road approaches will	be recontoured to a near natural slope. If required the area
Installation & Removal Notes: A minimum 18 inch culvert is required. After harvest is completed the culvert will be removed and the road approaches will	be recontoured to a near natural slope. If required the area
Installation & Removal Notes: A minimum 18 inch culvert is required. After harvest is completed the culvert will be removed and the road approaches will	be recontoured to a near natural slope. If required the area
Installation & Removal Notes: A minimum 18 inch culvert is required. After harvest is completed the culvert will be removed and the road approaches will	be recontoured to a near natural slope. If required the area

PROPOSED CROSSING WNL-C22



LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Fax: 204-734-3646 Cut Block Size: 32.4 ha **Cut Block Name: WNL-019** Twp & Rge: t29r27w **OPERATING AREA: Wine Lake** Ownership: Open Crown Mapsheet: 340570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Understory Stems/ha and Distribution TA 22 96% 206 6,676 ws BS ВF ВА 0% 0 0 53 **WB** 16.0 22 0% 33 Clumped Total HW 96% 207 6,709 **Eco Land Classification Soils Summary** WS 18.8 33 259 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type Moisture Surface Texture 0 JP 0% 0 0 08 V Type 05 06 Clay Loam **S5** BF 0% 0 **Eco Site** 33 32 06 S5 2 Clay Loam Total SW 4% 8 259 **Block Total:** 215 6,968 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 6,373 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 246 HARVEST/SILVICULTURE SYSTEM HARVEST SEASON **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION **SALVAGE** WHOLE TREE TOP AT STUMP **DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 259 to 388 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Flat terrain and no water features within the block; maintain some large WTP's within block to help minimize LOS. Keep debris off existing trail on east side of block.

Wine Lake

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

RENEWAL STRATEGY					ON INFO						
Charles National 4 1	BY SPECIES		SITE	E PREPARA	TIONS		:	SNOW C	ACHE:		
Species Natural Advan	ced Assisted	F	PREF. AL	LT.			1	RENEWA	AL COVERTYPE: H		
TA X BA WB X				DRAG MOUND TRENCH			I	RENEW	AL ACCESS		
WB X X X BS JP BF				-	RIPPER				HELICOPTER TRUCK		
Siteprep	Summary			Pla	nting Sur	ımarv			Survey Summa	ry	
Year Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	-	-		Year
									Reforestation F	irst	2028
Maintain WS seed trees wi Area of WS understory >50 patches.	· · · · · · · · · · · · · · · · · · ·	6m in height is locate	ed in the f	N portion of t	he block (p	olot 17). Clui	mps of und	erstory w	vill be protected in		
		PRESCI	RIPTIO	N REVIEW	/ AND M	ITIGATIO	N				
INT	ERNAL REVIEW		RIPTIOI	N REVIEW		ITIGATIO					
	1		RIPTIOI	N REVIEW	EX	TERNAL R	EVIEW	MT on 8/	15/21		
INT X X	ERNAL REVIEW PLANNING WILDLIFE		RIPTIOI	N REVIEW	EX	SUBMITT	EVIEW ED TO IR				
х	PLANNING		RIPTIOI	N REVIEW	EX	SUBMITT	EVIEW				
x x	PLANNING WILDLIFE		RIPTIOI		EX	SUBMITT	EVIEW ED TO IR			,	Mitigated
x x x	PLANNING WILDLIFE SILVICULTURE or 019.	,		May has season they may these bin 2013	n Strategy: rest only of harvest ay both be clocks. Neith cock has be	SUBMITT ALL IRMT	EVIEW TED TO IRIT CONCER Be blocks de itable plots Effort will be as chosen once and view once and	pending are loca e made t for study	on the requirements of the ted in both these blocks to put plots in only one of A. Block WNL-018 harvested be harvested.	,	Mitigate X

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Size: 17.1 ha Cut Block Name: WNL-021 Twp & Rge: t29r27w **OPERATING AREA: Wine Lake** Ownership: Open Crown Mapsheet: 340570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) **Species** Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution TA 17.9 29 63% 117 1,994 ws BS ВF ВА 24 32% 1,001 16.6 59 14 **WB** 17.5 24 2% 3 52 Clumped Total HW 96% 179 3,047 **Eco Land Classification Soils Summary** WS 15.7 24 120 1st 2nd 3rd BS 0% 0 LFH(cm) S-Type Moisture Surface Texture 0 JP 0% 0 0 V Type 05 Silty Clay Loam 09 **S6** BF 0% 0 **Eco Site** 31 Total SW 4% 120 **Block Total:** 3,167 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 2,895 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 114 HARVEST/SILVICULTURE SYSTEM HARVEST SEASON **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION **SALVAGE** WHOLE TREE TOP AT STUMP **DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 136 to 205 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Keep trial on N side of block free of debris. Keep equipment out of old harvest area on S side of block.

Wine Lake

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

				RE	NE	WAL PR	ESCRIPT	ION INF	ORMATIO	N				
RENEW	VAL STRA	ATEGY BY	SPECIES			SITE	PREPAR	ATIONS		SN	iow c	ACHE:		
Species	Natural	Advanced	Assisted			PREF. A	LT.			RE	NEWA	L COVERTYPE: H		
TA	х						DRAG			DI		AL ACCESS		
ВА	x						MOUN	D		RI	NEW.	AL ACCESS		
WB	х					\square	TRENC					ATV		
ws		x				$\sqcup \sqcup$	_	R RIPPER				HELICOPTER		
BS	Ш	\vdash	Ш				AREA	PLANT			Ш	TRUCK		
JP	Н	H	Н											
BF	Ш	Ш	Ш											
	s	iteprep Sun	nmary]		Р	lanting Sur	nmary] [Survey Su	ımmary	
Year	A	ction	Area (ha)	Alternate		Year	Season	Species	Density	Total] L	Type	Series	Year
]						JL	Reforestation	First	2028
RENEWAL	COMME	NTS/ISSI IF	EQ.											
KENEWAL	COMME	N 1 3/133UE												
				PR	ES	CRIPTIO	N REVIE	W AND N	IITIGATIO	N				
		INTER	NAL REVIEW	, <u> </u>				EX	TERNAL R	EVIEW				
			LANNING					<u></u>	1					
		-	/ILDLIFE					X	4	ED TO IRM				
			ILVICULTURE					X	ALL IRM	Γ CONCERN	S MITT	GATED		
IRMT Concer	rns and Com		EVIOUETOILE				Mitigat	on Strategy:						Mitigate
							wiitigat	on on alegy:						¬
		05. Will revi	isit mitigation a	at permit time.	If th	еу	This b	lock has be	en deferred	once and wil	l now b	e harvested.		x
are not de	eferred. mitigation.						Block	was previo	uely euhmitte	ed for mitigat	on in 2	005		
1 Tevious	mugation.						DIOCK	was previo	usiy subililit	su for fillingat	0111112	000.		X
1														
1														

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Name: WNL-032 OPERATING AREA: Wine Lake LICENCE: FML 3							& Rge: t29r27w				Cut Block Size: 86.6 ha				
							ership: Open C agement Unit:				•	psheet: : id Status			
LIVE	NCE. FINE			_							Lan	0 Status	<u>s:</u>		
	* * ()	- !! ()					SURVEY INF	ORW:							
Species TA	Avg Age (yr) 69	Avg Ht (m) 21.0	31 40% 117 10.154					erstory Sto		nd Distri	íbution				
BA	~-	21.8	32	9%	21	1,813		WS			BS			BF	
WB Total H\	A./	8.0	12	0% 58%	139	11,997	155	Uniforr			Щ_		Щ_		
WS	w 89	20.4	32	42%	99	8,609	Eco Lar		ssification	——I L			Soils Sumn	nary	
BS JP				0% 0%	0	0	1 _ }	1st	2nd					-	
JP BF				0% 0%	0	0	V Type	08	13	05	07	S5	2	Loam	
Total S\				42%	99	8,609	Eco Site	31		_					
Block T	otal:				238	20,606	Cover Type: N	1 IB	BWC Cnt: (0					
			7	Н	ARVES	ST PRES	CRIPTION IN	FORM	IATION						
	HARDWOOF	D ALLOCATIO	ION: LP							HARE) DOOWC	/OLUME	E (m3): 11,3	397	
		D ALLOCATIO											E (m3): 8,179		
H.F	ARVEST SEAS	SON			HA!	RVEST/SI	ILVICULTURE S	SYSTE	-M			۶	≥I ∆SH AF	BATEMENT	
			√	1 01 EA		\ V			IVI		Г	_			
\Box	ALL SEASON FROZEN	1	X	CLEAR SELEC		x	SHELTERWOO UNDERSTORE		\TECTION	ч	F	_	IOLE TREE .E & BURN		
х	DRY/FROZEI	N	H	SELEC		ш		IDANCE		1	T		E & BURN F DEBRIS I		
	_			SALVA			—		TENTION			→ …		E TOP AT STUMF	
PUFFE	R INFORMATI	יוטאי	_						ED SKID T			_			
	ATURE	WIDTH (m)	DETAILS									N	NOTE: IBW	/C = In Block Water (
1 Lake		MFZ-100+ L	Located on the W si	side. Variat	ble MFZ to	.o 100m+ buff	fer. Floods increasi	ng. Largr	e riparian ε	areas along	ı lake. Harv	vest as shr	own on map).	
2 Floo			Located in block at N						· · · · · ·			-			
3 Wetl	and		Located on the S sid												
EVERE	E TREE RETE EROSION RIST	ISK POTEN		perating (Suidlines	s leave app	roximately 693 to) 1,039 °	trees.						
			plots 1 and 2 in the	ne south	end of th	ne block. Mr	erchantable trees	will be	salvaged	d if feasible	le.				
	OS for elk mana		71010	5 00.	and .	o o.c.	Alonaria.	VV	00 <u>.</u>	n ic.	<i>3.</i>				
		_	oximately 30-70 m	from blo	ck edge	and where	possible adjacer	nt to sof	itwood sta	ands outsi	ide of bloc	ck.			
			harvested areas lo		_										
Keep ed															
Keep ed															
Keep ed															
Keep ed															
Keep ed															
Keep ed															

Wine Lake

FML 3 2023 - Harvest

			RE	NEWAL PR	RESCRIPT	TION INF	ORMATIO	N				
RENEW	AL STRATEGY BY	SPECIES		SIT	E PREPAR	RATIONS		SNO	OW CA	ACHE:		
Species	Natural Advanced	Assisted		PREF.				REN	IEWA	L COVERTYPE: N		
TA BA	x x	П		ЯF	DRAG MOUN			REI	NEW	AL ACCESS		
WB		H		H	TRENC				х	ATV		
ws		x			WINTE	R RIPPER			Н	HELICOPTER		
BS	\Box			x	AREA	PLANT			П	TRUCK		
JP		П			<u> </u>							
BF												
	Siteprep Sum	mon				lantina Cua			Г	Survey Sur		1
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	H	Type	Series	Year
i eai	Action	Alea (IIa)	Aiternate	2024	Sp	WS	1600	41760	-	Plantation Survival	First	2025
	<u> </u>				96		1000	41700	-	Regeneration	First	2034
RENEWAL	COMMENTS/ISSUE	S:							L			
Areas of	WS understory >500 s	tems/ha and	<6m in height a	are located in l	N end of the	block (plots	125 and 29). Clumps of u	nderst	ory will be protected		
in patche						()		,, -,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		, 20 р. осоос		
North sid	le of block being plante	ed, ensure AT	V access									
			PR	ESCRIPTIO	N REVIE	W AND N	IITIGATIO	N				
	INTERN	AL REVIEW					TERNAL R					
							_					
		ANNING				x	_	ED TO IRMT				
		LDLIFE				х	ALL IRM	CONCERNS	MITIO	GATED		
	X SIL	VICULTURE										
IRMT Concern	ns and Comments:				Mitigati	ion Strategy:						Mitigated
Minimal a	ccess to be left for plar	nting. See ope	erating area ge	neral	Agree	ed.						x
comments	S .											
Require 3	00m LOS for elk.				Agree	ed.						х
1												

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Size: 44.9 ha Cut Block Name: WNL-033 Twp & Rge: t29r27w **OPERATING AREA: Wine Lake** Ownership: Open Crown Mapsheet: 340570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution 25.3 38 49% 172 7,701 TA ws BS BF ВА 28 10% 35 23 1 1 566 108 **WB** 14.5 18 1% 5 209 Clumped Total HW 60% 211 9,476 **Eco Land Classification Soils Summary** WS 21.8 31 6,247 119 40% 139 1st 2nd 3rd BS 0% LFH(cm) Moisture 0 S-Type Surface Texture 0 JP 0% 0 n 05 13 V Type 08 Silty Clay 06 **S6** BF 0% 0 0 **Eco Site** 52 Total SW 40% 139 6,247 **Block Total:** 351 15,723 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 9,002 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 5,935 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FFATURE WIDTH (m) DETAILS Wetland MFZ Located on the SE side. Structure will be maintained. Harvest as shown on map. Wetland MFZ Located on the NE side. Structure will be maintained. Harvest as shown on map. 15-30 Lake South Fish Lake located on the W/NW sides. Trees along lake being flooded. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 359 to 538 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** 300m LOS for elk management. Maintain a max of 8 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block.

FML 3 2023 - Harvest

ILDING SOL	TIUNS FAX.	204-734	-3040												
				RE	NEWAL	. PR	ESCRIPT	TION INFO	DRMATIO	١					
RENE\	NAL STRAT	EGY BY	SPECIES		:	SITE	E PREPAR	ATIONS		:	SNOW	CACHE	:		
Species		Advanced			PREF					I	RENEV	NAL CO	VERTYPE: N		
TA	x					Г	DRAG								
ВА	x	\Box	\vdash			F	MOUN	D		I	RENE	WAL A	CCESS		
WB	x	H	H		Н	┢	TRENC				Б	x AT	v		
ws	Ħ	x	x		П	T	WINTE	R RIPPER			r	HE	ELICOPTER		
BS			П		х		AREA	PLANT				TR	RUCK		
JP											_				
BF															
	Site	prep Sum	mary					lanting Sun	mary		\neg		Survey Su	mmary	
Year	Acti		Area (ha)	Alternate	Ye	ar	Season	Species	Density	Total	-		Туре	Series	Year
			1 0 (1,		20:		Sp	WS	1600	72	00	Pla	antation Survival	First	2025
					·		1						Regeneration	First	2034
RENEWA	L COMMENT	S/ISSUE	S:											1	
Area of	WS understor	ry >500 ste	ems/ha and <	6m in height is	located in	the	SE portion of	of the block	(plot 7). Clun	nps of und	lerstory	will be	protected in		
patches															
North E	ast side being	planted, e	ensure ATV a	ccess.											
					E00DID		N DEVIE	W AND IV	ITIOATIO						
				PR	ESCRIP	ПΟ	N REVIE	W AND M	ITIGATIO	N					
		INTERN	AL REVIEW	Ī				EX	TERNAL RI	EVIEW					
		X PL	ANNING					Γx	SUBMITT	ED TO IR	MT on	9/24/21			
		x WII	LDLIFE					x	ALL IRMT	CONCER	RNS MI	ITIGATE	ED		
		X SIL	VICULTURE					_	J						
IRMT Conce	rns and Comme	ents:					Mitigati	on Strategy:							Mitigated
		eft for plan	nting. See ope	rating area ge	neral		Agree	ed.							x
commen	ts. OS for elk.						Agree	ad							
JOURILL	JO IOI EIK.						Agree	a.							х
1							I								

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Name: WNL-034 Twp & Rge: t29r27w Cut Block Size: 46.2 ha **OPERATING AREA: Wine Lake** Ownership: Open Crown Mapsheet: 340570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution 23.5 35 29% 93 4,298 TA ws BS ВF ВА 59 30 16 753 20.9 5% 525 Uniform **WB** 0% 0 0 Total HW 34% 109 5,051 **Eco Land Classification Soils Summary** WS 23.9 34 9,281 63% 201 1st 2nd 3rd BS 17.5 20 3% 387 LFH(cm) Moisture 91 8 S-Type Surface Texture JP 0% 0 0 08 V Type 13 10 Clay Loam **S6** BF 0% 0 0 **Eco Site** 52 Total SW 66% 9,668 209 **Block Total:** 14,719 Cover Type: M IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 4,799 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 9,185 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Wetland MFZ-50 Located on all sides of block. Variable MFZ to 50m buffers. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 369 to 554 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Area of blow down located around plot 20. Merchantable trees will be salvaged where feasible. Maintain a max of 9 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block.

FML 3 2023 - Harvest

LDING SOLU	TIONS Fax:	204-734	-3646												
				RI	ENE	WALI	PRES	CRIPT	TION INFO	ORMATIO	N				
RENEV	VAL STRAT	EGY BY	SPECIES	· ·					ATIONS			OW CA	ACHE:		
Species	Natural A	Advanced	Assisted			PREF.	ALT.				RE	NEWA	L COVERTYPE: M		
TA	х							DRAG			DE	NEW/	AL ACCESS		
ВА	х	Ш				Ш	-	MOUN			KE	_	AL ACCESS		
WB	Н					Н	\vdash	TRENC				X	ATV		
WS BS	Н	X	X			H	Н		R RIPPER PLANT			Н	HELICOPTER TRUCK		
JP	H	H	H				Ш	711 (271)	2.001			Ш	TROCK		
BF	H	Н	H												
	Site	nron Sum			7				lantina Cum			1 [Survey Su	mmary	
Year	Act	prep Sum ion	Area (ha)	Alternate	┨	Yea	r s	eason	lanting Sun Species	Density	Total	┨┈┞	Туре	Series	Year
	1		7.102 (1.12)	7	1	2024	-	Sp	WS	1800	59400	┧	Plantation Survival	First	2025
	•		•		_							'	Regeneration	First	2034
RENEWAL	COMMENT	S/ISSUE	:S:												
	f WS understond in patches.	ory >500 s	tems/ha and	<6m in height	are lo	ocated i	n the E	portion	of the block	(plots 7, 13	and 17). Clu	mps of	understory will be		
		ınted, ensi	ure ATV acces	ss for seedling	g deli	very.									
	01			·											
				PF	RES	CRIPT	ION R	REVIE	W AND M	ITIGATIO	N				
		INTERN	IAL REVIEW	<i>'</i>					EX	TERNAL R	EVIEW				
		X PL	ANNING						х	SUBMITT	ED TO IRMT	on <mark>9/2</mark>	4/21		
			LDLIFE						X		CONCERNS				
		X SII	VICULTURE												
IRMT Concer	ns and Comme	ents:						Mitigati	ion Strategy:						Mitigated
30m mini	mum buffer o	n the sout	h side of the I	NE wetland.			\Box	Agree	ed. Not sure	what wetlan	d this is referi	ing to b	ut added buffer on		х
Minima		oft for all a	otina Cooper	noting		a.		wetlar	nd on NE sid						I
comment		eπ for plar	iting. See ope	erating area ge	enera	II		Agree	ea.						х
30m mini	mum buffer o	n wetland	in the NW.					Agree	ed.						х
							1								
							1								

LP Swan Valley PO Box 998 Swan River, MB, R0L 1Z0 Phone: 204-734-4102

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Fax: 204-734-3646 **Cut Block Name: WNL-111** Twp & Rge: t29r27w Cut Block Size: 72.2 ha **OPERATING AREA: Wine Lake** Ownership: Open Crown Mapsheet: 340570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution TΑ 101 23.9 30 80% 224 16,165 ws BS ВF ВА 24 68 20.3 9 653 3% 59 **WB** 0% 0 0 Clumped Total HW 83% 233 16,818 **Eco Land Classification Soils Summary** WS 87 19.6 29 3.458 48 1st 2nd 3rd BS 0% LFH(cm) 0 S-Type Moisture Surface Texture 0 JP 0% 0 0 08 13 V Type 05 Silty Sand 08 **S5** BF 0% 0 0 **Eco Site** 32 3,458 Total SW 17% 48 **Block Total:** 281 20,276 Cover Type: H IBWC Cnt: 1 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 15,978 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 3,285 HARVEST/SILVICULTURE SYSTEM HARVEST SEASON **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course FEATURE WIDTH (m) DETAILS Wetland MFZ Located on the NE side. Structure will be maintained. Harvest as shown on map. Wetland Located on the N end. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 578 to 866 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Keep existing trail that run through the SE tip and along the E boundary free of debris.

FML 3 2022 - Harvest

				RE	NEWAL PR	ESCRIP	TION INF	ORMATIC	N				
RENEW	AL STRATEG	Y BY SP	ECIES		SITE	PREPAR	RATIONS		SI	NOW CA	ACHE:		
Species	Natural Adva	nced As	ssisted		PREF. AL	LT.			RI	ENEWA	L COVERTYPE: H		
TA	х	7 [\neg			DRAG			_				
ВА	х] [MOUN	D		R	ENEW!	AL ACCESS		
WB] [TRENC					ATV		
ws		<u> </u>	_		HF	4	R RIPPER			Ш	HELICOPTER		
BS JP	\vdash	-	4			AREA	PLANT			Ш	TRUCK		
БF	H	┥╶├	\dashv										
	1	Summa					lanting Sur			↓	Survey Sur	1	
Year	Action	- 1	Area (ha)	Alternate	Year	Season	Species	Density	Total	↓ ⊦	Туре	Series	Year
										JL	Reforestation	First	2027
RENEWAL	COMMENTS/IS	SSUES:											
			o/bo cod st	One in beinlette	Innatad in the C	214/ porting	of the black	(nlot 40) 0	lumno ef	lorot	will be protected in		
Area of v patches.		ooo stems	s/⊓a and <6	om in neight is	located in the S	ovv portion	or the block	(piot 19). C	iumps of und	ierstory	will be protected in		
pateries.													
				PRI	ESCRIPTIO	N REVIE	W AND N	IITIGATIO	N				
	IN [.]	TERNAL	REVIEW				EX	TERNAL R	EVIEW				
	_	_					_	7					
	X	-					X	4	TED TO IRM				
	X						х	ALL IRM	T CONCERN	IS MITIC	GATED		
	X		CULTURE										
IRMT Concern	ns and Comments:	:				Mitigat	ion Strategy:						Mitigate
Remove t	he S side of the I	block to li	mit access	across operati	ing area	The o	perating are	ea boundary	was designe	ed by LP	only as a means of		x
boundarie					-	deline	eating harve	st areas. Ma			nave access between		
	the traffic of	NI STATE		00 : :			Will leave I	olock as is.					_
Increase t	the buffer on the	N side fro	om MFZ to	30 m minimum	1.	Agree	ed.						X
					14.5	ne Lake - WNL							_

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Cut Block Size: 34.2 ha **Cut Block Name: WNL-116** Twp & Rge: t30r27w **OPERATING AREA: Wine Lake** Ownership: Open Crown Mapsheet: 340571 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution TΑ 18.2 26 57% 95 3,230 ws BS ВF ВА 83 28 30% 51 1,732 18 4 438 Uniform **WB** 0% 0 0 Total HW 87% 145 4,962 **Eco Land Classification Soils Summary** WS 68 16.7 26 723 13% 21 1st 2nd 3rd BS 0% 0 LFH(cm) Moisture S-Type Surface Texture 0 JP 0% 0 0 08 V Type 05 Silt Loam 10 **S3** BF 0% 0 0 **Eco Site** 22 Total SW 13% 723 21 **Block Total:** 5,685 Cover Type: H IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 4,714 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 687 HARVEST/SILVICULTURE SYSTEM HARVEST SEASON **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ-30 Flood Located in the central portion of the block. Structure will be maintained. Harvest as shown on map Meadow 30-50 Located on the W side. Variable 30 to 50m buffer. Harvest as shown on map. 15-30 Trail Located along S side. Harvest as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 273 to 410 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:**

FML 3 2022 - Harvest

				RE	NEWAL PR	ESCRIP'	TION INF	ORMATIC	N				
RENEW	VAL STRATEG	Y BY SI	PECIES		SITE	E PREPAR	RATIONS		SI	IOW CA	ACHE:		
Species	Natural Adva	anced A	Assisted		PREF. A	LT.			RE	NEWA	L COVERTYPE: H		
TA	х					DRAG							
ВА	х					MOUN	D		RI	ENEW#	AL ACCESS		
WB						TREN					ATV		
ws		х			$\vdash \vdash$	_	R RIPPER			Ш	HELICOPTER		
BS	\vdash		Н		$\sqcup \sqcup$	AREA	PLANT			Ш	TRUCK		
JP	\vdash	_	Н										
BF			Ш										
	Sitepre	p Summ	ary			P	lanting Sur	nmary] [Survey Sur		
Year	Action		Area (ha)	Alternate	Year	Season	Species	Density	Total	↓ 	Туре	Series	Year
										JL	Reforestation	First	2028
RENEWAI	. COMMENTS/I	SSUFS	:										
								0.5.5	45) 6:				
	f WS understory d in patches.	>5UU Ste	ms/na and	>om in neight a	are located thro	ugnout the	DIOCK (DIOTS	5 5, 5, 9 and	15). Ciumps	or unaei	istory will be		
protecte	d in patches.												
				PR	ESCRIPTIO	N REVIE	W AND N	IITIGATIO	N				
	IN	ITERNA	L REVIEW	,			EX	TERNAL R	EVIEW				
	[-	7 8 4	NNING					1					
	<u> </u>		DLIFE				X	4	TED TO IRM				
	<u> ></u>	-					х	ALL IRM	T CONCERN	S MITIC	GATED		
	_		ICULTURE										
IRMT Concer	ns and Comments): 				Mitigat	ion Strategy:						Mitigate
30m buffe	er on wetland in	center of	block and t	rail along S sid	e.	Wetla	ind in cente	r of block is	expanding. W	/ill add s	some strategic leave ar	eas	х
						along	wetland in	center. Crea	ted a visual	15 to 30ı	m buffer along trail.		
Increase	the buffer on the	meadow	vs to 30m m	ninimum to limit	LOS.	Agree	ed.						X
					\\/	ine Lake - WNI	116						

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

OPER	Iock Name	A: Wine La				Owne	& Rge: t29r27vership: Open	Crowi	n		Ma	t Block s psheet: nd Statu		ha		
	102. 1				DDE L		SURVEY INF		4ATION				-			
Species	Avg Age (yr)	Avg Ht (m)	Avg DBH (cm)	Vol %		Vol (m3)	SURVICIONI	CINI		oreton	y Stems/ha a	and Diet	ribution			
TA	65	21.7	30	42%	88	1,632		ws	Una	ersion,	y Stems/na a BS	<u> มินต มาจะ.</u>	IDULION	BF		
BA WB		14.8 16.0	23 26	18% 5%	38 9	704 175	280	Unifo	orm		- 1	mped	\neg			
Total HW	N	10.0	20	65%	135	2,511				<u> </u>	30 0.0	ilpeu				
WS	94	16.2	34	26%	54	1,009	Eco La		assification			_	Soils Sumn	nary		
BS JP		17.3	22	9% 0%	19 0	356 0	1	1st		3rd	LFH(cm)					
JP BF				0% 0%	0	0	V Type	08		33	05	S5	2	Loamy Sand		
Total SW	·V			35%	73	1,365	Eco Site	33			1					
Block To	otal:				208	3,876	Cover Type:	N][I	IBWC Cnt:	1	I					
			ľ	·	IARVE	ST PRES	CRIPTION IN	FOR	MATION		1					
	114 DDWOOL	- ALLOCATIC	ONLID						M:			VOLUME	- (a), a ac			
		O ALLOCATIO O ALLOCATIO									ARDWOOD \ DFTWOOD \					
	20L I MOOP	ALLUGATIO	JN. SPL							30	TETANOOP '	/ULUIVIL	(III3). 1,20	/		
HA	RVEST SEAS	SON			HA	RVEST/SIL	SYST		SLASH ABATEMENT							
	ALL SEASON	١	x	CLEA	CLEARCUT SHELTERWOOD						WHOLE TREE					
	FROZEN			-1	CTION	х	OTECTION	N	PILE & BURN							
х	DRY/FROZEN	N		SEEC	TREE			IDANC			Ţ		F DEBRIS			
				SALV					TENTION					E TOP AT STUMP		
	****		_	J					TED SKID		S	_				
	R INFORMATI											i	NOTE: IBW	C = In Block Water C		
	ATURE	WIDTH (m)	DETAILS								_			J = 111 B.04		
0																
			per Standard Or	perating	Guidline	s leave appr	roximately 149 to	o 224 t	trees.							
SEVERE	EROSION RI	SK POTEN	TIAL:													
HARVES	T COMMENT	S/ISSUES:														
Maintain	structure alon	ig IBWC local	ted near plot 30.													
		-	narvested areas l		on the S	and N sides	of the block.									
	dipinont	Solio Cu. 1	al vooled a	Out I	II tille 2	and in o.z.,	Or this bissin									
1																
1																
1																
1																
1																

FML 3 2022 - Harvest

			REN	NEWAL PR	ESCRIPT	TION INFO	ORMATIO	N				
RENEW	AL STRATEGY E	SY SPECIES		SITE	PREPAR	ATIONS		SN	OW CA	ACHE:		
Species	Natural Advance	d Assisted		PREF. A	_			RE	NEWAI	L COVERTYPE: N		
TA BA WB WS	x x x	x			DRAG MOUN TRENC WINTE			RE	NEWA	AL ACCESS ATV HELICOPTER		
BS JP BF				х	AREA	PLANT				TRUCK		
	Siteprep Si	ummary			Р	lanting Sun	nmary			Survey Sur	nmary	
Year	Action	Area (ha)	Alternate	Year	Season	Species	Density	Total	<u> </u>	Туре	Series	Year
				2023	Sp	WS	1600	4320	l ⊨	Plantation Survival	First	2024
RENEWAL	COMMENTS/ISS	UES:							L	Regeneration	First	2033
Planung	West side of block,	ensure ATV acc		ESCRIPTIO	N REVIE	W AND M	IITIGATIOI	V				
	INTE	RNAL REVIEW	v			EX	TERNAL RI	VIEW				
	х	PLANNING WILDLIFE SILVICULTURE	:			x	4	ED TO IRMT CONCERNS				
IRMT Concern	s and Comments:				Mitigati	ion Strategy:						Mitigated
Minimal ac comments No concer		planting. See ope	erating area gen	eral	Agree	od.						X

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2022 - Harvest

Cut Block Size: 3.5 ha **Cut Block Name: WNL-123** Twp & Rge: t29r27w **OPERATING AREA: Wine Lake** Ownership: Open Crown Mapsheet: 340571 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) m3/ha Vol (m3) Species Avg Age (yr) Avg Ht (m) Vol % Understory Stems/ha and Distribution TΑ 76 19.7 27 71% 171 603 ws BS ВF ВА 0% 0 0 Clumped 350 Uniform 50 **WB** 0% 0 0 Total HW 71% 171 603 **Eco Land Classification Soils Summary** WS 87 30 179 1st 2nd 3rd BS 14.5 14 8% 18 LFH(cm) S-Type Moisture 65 **Surface Texture** JP 0% 0 0 09 V Type 80 BF 0% 0 0 **Eco Site** Total SW 29% 69 244 **Block Total:** 240 847 Cover Type: N IBWC Cnt: 0 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 268 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 110 HARVEST/SILVICULTURE SYSTEM HARVEST SEASON **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION **SALVAGE** WHOLE TREE TOP AT STUMP **DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS Meadow MFZ Located on the W side. Structure will be maintained. Flag as shown on map WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 28 to 42 trees. **SEVERE EROSION RISK POTENTIAL: HARVEST COMMENTS/ISSUES:** Approximately half this block was harvested in 2021/22. The volumes shown indicate this. Keep existing trail located along the N side free of debris.

FML 3 2022 - Harvest

				RI	ENE\	WAL PR	ESCRIPT	TION INF	ORMATIO	N				
RENEW						SITE	PREPAR	ATIONS		SNOV	N CAC	HE:		
Species	Natural	Advanced	Assisted			PREF. A	LT.			RENE	EWAL (COVERTYPE: N		
TA	х						DRAG			DEM	-\A/A I	400500		
ВА							MOUN	D		RENE	EWAL	ACCESS		
WB							TRENC	CH			X	ATV		
ws		х	х			$\sqcup \sqcup$	WINTE	R RIPPER				HELICOPTER		
BS		Ш				X L	AREA	PLANT			\square	TRUCK		
JP	Ш	Ш	Ц											
BF														
	Sit	eprep Sum	marv		1		Р	lanting Sur	nmarv			Survey Sur	mmary	
Year		ction	Area (ha)	Alternate	1	Year	Season	Species	Density	Total		Туре	Series	Year
					1	2023	Sp	WS	1800	2880		Plantation Survival	First	2024
	1				_							Regeneration	First	2033
RENEWAL	COMMEN	ITS/ISSUE	S:										•	
Areas of patches.		story >500 s	stems/ha and	<6m in height	is loc	ated in the	W side of	the block (p	lot 2). Clump	s of understory	will be	protected in		1
				DI	DESC	PRIDTIO	N DEVIE	W AND M	IITIGATIO	NI .				
		WITED			(ES)	KIPTIO	N KEVIE							
		INTERN	IAL REVIEV	V				EX	TERNAL R	KEVIEW				
			ANNING					х	SUBMITT	ΓED TO IRMT or	n 10/18	3/19		
			LDLIFE					х	ALL IRM	T CONCERNS M	MITIGA	TED		
		X SII	LVICULTURE											
IRMT Concer	ns and Com	nents:					Mitigat	ion Strategy:						Mitigated
IRMT doe	es not requi	re a meado	w buffer for th	nis location.			Will c	hange buffe	er to MFZ.					х
							1							

PRE-HARVEST CUT BLOCK PRESCRIPTION

FML 3 2023 - Harvest

Cut Block Name: WNL-124 Twp & Rge: t29r27w Cut Block Size: 39.9 ha **OPERATING AREA: Wine Lake** Ownership: Open Crown Mapsheet: 340570 LICENCE: FML 3 Management Unit: 13 Land Status: PRE-HARVEST SURVEY INFORMATION Avg DBH (cm) Species Avg Ht (m) Vol % m3/ha Vol (m3) Avg Age (yr) Understory Stems/ha and Distribution 21.6 31 76% 170 6,779 TA ws BS BF 26 BA 21.5 1% 54 309 Uniform **WB** 0% 0 0 Total HW 76% 171 6,833 **Eco Land Classification Soils Summary** 2,126 WS 19.6 31 92 53 1st 2nd 3rd BS 0% LFH(cm) 0 S-Type Moisture Surface Texture 0 JP 0% 0 n 05 13 V Type 08 Silt Loam 13 **S5** BF 0% 0 0 **Eco Site** 11 Total SW 24% 2,126 53 **Block Total:** 225 8,959 Cover Type: H IBWC Cnt: 1 HARVEST PRESCRIPTION INFORMATION HARDWOOD ALLOCATION: LP HARDWOOD VOLUME (m3): 6,492 SOFTWOOD ALLOCATION: SPL SOFTWOOD VOLUME (m3): 2,020 HARVEST SEASON HARVEST/SILVICULTURE SYSTEM **SLASH ABATEMENT** ALL SEASON **CLEARCUT** SHELTERWOOD WHOLE TREE FROZEN **SELECTION UNDERSTOREY PROTECTION** PILE & BURN DRY/FROZEN **SEED TREE AVOIDANCE** WLF DEBRIS PILE PATCH RETENTION WHOLE TREE TOP AT STUMP **SALVAGE DESIGNATED SKID TRAILS BUFFER INFORMATION** NOTE: IBWC = In Block Water Course **FEATURE** WIDTH (m) DETAILS MFZ-30 Lake Located on the N side. Variable MFZ to 30m buffer. Harvest as shown on map. Lake MFZ-30 South Fish Lake located on the S side. Trees along lake being flooded. Harvest as shown on map. MFZ Wetland Located on the SE side. Structure will be maintained. Floods are expanding. Harvest as shown on map. Wetland MFZ Located on the NE side. Structure will be maintained. Floods are expanding. Harvest as shown on map. WILDLIFE TREE RETENTION: As per Standard Operating Guidlines leave approximately 319 to 479 trees. SEVERE EROSION RISK POTENTIAL: **HARVEST COMMENTS/ISSUES:** Maintain a max of 7 WDP's approximately 30-70 m from block edge and where possible adjacent to softwood stands outside of block. Maintain structure along IBWC located near plot 12. Maintain existing trail that runs through the block free of debris.

FML 3 2023 - Harvest

				RE	NEWAL P	RESCRIP'	TION INF	ORMATIC	N				
RENEV	WAL STRATE	GY BY S	PECIES		SI	TE PREPAR	RATIONS		SI	NOW CA	ACHE:		
Species	Natural Ad	vanced	Assisted		PREF.	ALT.			R	ENEWA	L COVERTYPE: H		
TA	х	П				DRAG			_				
ВА	х					MOUN	ID		R	ENEW/	AL ACCESS		
WB	Ц	Ц	Ш		Щ	TREN				Ш	ATV		
ws	Н	х	Н		H	_	ER RIPPER PLANT			\vdash	HELICOPTER		
BS JP	Н	Н	Н		Ш	AREA	PLANT			Ш	TRUCK		
BF	Н	H	H										
		<u> </u>											
.,		rep Sumn	-				Planting Sur		 	┨┞	Survey Sur		l
Year	Actio	n	Area (ha)	Alternate	Year	Season	Species	Density	Total	-	Type Reforestation	Series First	Year 2028
										JL	Reforestation	FIISt	2026
RENEWAL	L COMMENTS	ISSUES	S :										
Areas o	of WS understory	v >500 eta	eme/ha and	<6m in height :	are located in	the W and F	nortions of	the block (n	Inte 3 5 0 1	5 & 17)	Clumps of		
	tory will be prote			Com in neight a	are located in	the Wallu E	portions or	the block (p	1015 3, 5, 9, 1	3 & 17).	Ciumps of		ļ
undorot	tory will be prote	otou iii pe	2101100.										
				PR	ESCRIPTI	ON REVIE	W AND N	IITIGATIO	N				
	I	NTERNA	AL REVIEW	v			EX	TERNAL R	REVIEW				
	Г	X PLA	NNING				L.	1 сприт	TED TO IDM	T on 0/2	4/04		
	-		DLIFE				X	4	TED TO IRM				
		_	VICULTURE				X	ALL IRIVI	T CONCERN	15 WITTI	SATED		
IRMT Conce	L erns and Commen		VIOULIUNE			Mitigat	tion Strategy:						Mitigate
						Imitigat	non otrategy.						
1	4 access throug	h WNL-0	32. Why? V	Von't this creat	e a						ded and not even usab		X
circle rou	ute?										nere will be no circle ro to WNL-124.	ute.	
Increase	e the buffer on th	ne NE and	d SE sides fr	om MFZ to 30	m				-		etlands are expanding	and	x
minimum									0 to 30m of t				🗠
1													
						Wine Lake - WN							