

Appendix A Manitoba Conservation and Water Stewardship Yield Curve Strata Definitions

Yield Curve Strata Definitions				
Stratum Code	Stratum	Density Class	Crown Closure	Species Composition*
JP	Pure Jack Pine	100	0-100%	JP≥8
LBS	Lowland Black Spruce	100	0-100%	BS≥8; Moisture Regime='W'
UBS	Upland Black Spruce	100	0-100%	BS≥8; Moisture Regime='D','F','M','V'
BF	Pure Balsam Fir	1	0-50%	BF≥8
		2	51-100%	
STL	Black Spruce/Tamarack – Black Spruce Leading	100	0-100%	(BS+TL)≥8; 5≤BS<8
TLS	Tamarack/Black Spruce – Tamarack Leading	100	0-100%	(TL+BS) ≥8; TL≥5
MSPF	Softwood Leading Mixedwood	1	0-50%	5≤ (BS+WS+JP+BF) <8
		2	51-100%	
NSPF	Hardwood Leading Mixedwood	100	0-100%	5≤ Hardwood<8; 3≤ (BS+WS+JP+BF)<5; leading hardwood TA,BA,WB
NSPF1**		100	0-100%	
NSPF2**		100	0-100%	
SMIX	Pure Commercial Softwood	1	0-50%	(BS+WS+JP+BF) ≥8
		2	51-100%	
ASH	Ash	100	0-100%	AS≥5
HWD	Pure Commercial Hardwood	1	0-50%	Hardwood≥8; (TA+BA+WB) ≥5; leading hardwood TA,BA,WB
		2	51-100%	
OTHSW	Other Softwood	100	0-100%	Softwood≥5
OTHHW	Other Hardwood	100	0-100%	Hardwood≥5

* strata assignment follows hierarchical order.

** NSPF1 and NSPF2 are subsets of NSPF used in the wood supply analysis. NSPF1 represents stands with a minimum softwood volume of 50 m³/ha.

Appendix B **Excerpt from the Draft Addendum to
the Wood Supply Report for Forest
Management Licence Area #1 (2010)**

Appendix B: Excerpt from the Draft Addendum to the Wood Supply Report for Forest Management Licence Area #1 (2010)

2 Area Report

In the FMLA, the total area is 746,245 hectares (ha) while the previous boundary covers 889,471 hectares including Nopiming Provincial Park. To keep compatible with the last report, areas closed to forest activity like patent land in the south western corner, were excluded for the area report in the wood supply.

A total of 88,479 hectares or 11.9 per cent of the FMLA#1 area is non-forested and 165,402 hectares or 22.2 per cent of the total area is non-productive forest. The non-productive forest land includes forest stands with less than five per cent of crown closure. Areas previously burned or harvested which have not been treated and do not support any interpretable forest cover have been classed as potentially productive forest land. Potentially productive forest land accounts for 6.1 per cent of the FMLA area.

Table 2.1 FMLA #1 Area Summary

Classification	Area (ha)	Area (ha)	Percent of productive forest	Percent of total
Non-forested	88,479			11.9%
Non-productive Forest	165,402			22.2%
Potentially Productive Forest	45,758			6.1%
Productive Forest	446,606			59.8%
		75,984	17.0%	
		370,622	83.0%	
		446,606	100.0%	
Total	746,245			100.0%

Appendix C **Manitoba Conservation and Water
Stewardship Conventional Standard
Tree Length Mean Annual Increment
Values**

MCWS Conventional Standard Tree Length MAI Values				
Manitoba Conservation and Water Stewardship, Conventional Standard Tree Length, Mean Annual Increment (MAI) (m³/ha/year)				
Stratum	Density Class	Min Rotation Age	Softwood MAI (m³/ha/year)	Hardwood MAI (m³/ha/year)
ASH	100	70	0.177	1.287
BF	1	60	0.713	0.095
BF	2	65	1.313	0.148
HWD	1	65	0.302	0.780
HWD	2	65	0.372	2.118
JP	100	60	1.600	0.049
LBS	100	80	0.775	0.037
MSPF	1	70	0.724	0.407
MSPF	2	70	1.131	0.786
NSPF	100	60	0.801	1.226
NSPF1	100	60	1.527	1.042
NSPF2	100	60	0.390	1.350
OTHHW	100	60	0.362	0.769
OTHSW	100	60	0.732	0.446
SMIX	1	70	0.725	0.083
SMIX	2	60	1.331	0.164
STL	100	65	1.028	0.043
TLS	100	65	0.534	0.033
UBS	100	70	0.914	0.004

Appendix D Standing Timber Volume Calculations

Manitoba Hydro
Lake Winnipeg East System Improvement Transmission Project

Standing Timber Volume Calculations									
FID LWESI	Species Composition	Stratum	Age Class	Density class	Softwood Volume (m ³ /ha)	Hardwood Volume (m ³ /ha)	Area (ha)	Total Softwood Volume (m ³)	Total Hardwood Volume (m ³)
27774	AS6BA2TA2	ASH	10	100	2.27	1.49	0.36	0.81	0.53
27887	AS7BA2BF1	ASH	10	100	2.27	1.49	0.15	0.34	0.22
27919	AS7BA3	ASH	10	100	2.27	1.49	0.67	1.52	1.00
27973	AS8BA2	ASH	10	100	2.27	1.49	0.31	0.70	0.46
27975	AS8BA2	ASH	10	100	2.27	1.49	2.21	5.03	3.30
27905	AS7BA3	ASH	45	100	16.16	45.27	0.04	0.59	1.66
35668	TA6BA2WS1BF1	HWD	5	2	0.41	0.86	0.10	0.04	0.09
37692	TA8JP1BF1	HWD	5	2	0.41	0.86	0.18	0.08	0.16
37748	TA8JP2	HWD	5	2	0.41	0.86	0.06	0.02	0.05
38416	TA9JP1	HWD	10	2	1.68	4.65	0.26	0.43	1.19
36566	TA7BA2BF1	HWD	10	1	3.51	1.21	0.22	0.78	0.27
37206	TA8AS1BF1	HWD	10	1	3.51	1.21	2.37	8.33	2.87
37553	TA8BF2	HWD	10	1	3.51	1.21	0.27	0.94	0.32
37689	TA8JP1BF1	HWD	10	1	3.51	1.21	0.01	0.04	0.01
37690	TA8JP1BF1	HWD	10	1	3.51	1.21	4.37	15.34	5.29
38267	TA9BS1	HWD	10	1	3.51	1.21	0.73	2.58	0.89
38410	TA9JP1	HWD	10	1	3.51	1.21	1.91	6.71	2.31
116677	TA10	HWD	10	1	3.51	1.21	0.76	2.68	0.93
116690	TA10	HWD	10	1	3.51	1.21	1.11	3.89	1.34
117453	TA8AS1BF1	HWD	10	1	3.51	1.21	5.49	19.29	6.65
117888	TA9JP1	HWD	10	1	3.51	1.21	5.94	20.84	7.18
266285	TA8JP2	HWD	10	1	3.51	1.21	3.75	13.16	4.54
117888	TA9JP1	HWD	10	1	3.51	1.21	3.59	12.59	4.34
28120	BA6TA2AS2	HWD	10	1	3.51	1.21	0.01	0.02	0.01
37684	TA8JP1BF1	HWD	15	2	3.58	11.72	0.00	0.00	0.00
116649	TA10	HWD	15	1	7.44	2.99	0.00	0.00	0.00
34927	TA10	HWD	20	1	11.88	5.64	0.83	9.92	4.71
37768	TA8WB2	HWD	20	1	11.88	5.64	0.38	4.53	2.15
116645	TA10	HWD	20	1	11.88	5.64	0.08	0.95	0.45
117518	TA8BF1WS1	HWD	20	2	5.89	21.65	0.02	0.09	0.34
117638	TA8JP1BF1	HWD	25	2	8.43	33.79	5.67	47.77	191.49
117645	TA8JP1BF1	HWD	25	2	8.43	33.79	1.74	14.70	58.94
117647	TA8JP1BF1	HWD	25	2	8.43	33.79	1.88	15.84	63.49
117882	TA9JP1	HWD	25	2	8.43	33.79	0.74	6.26	25.11
38242	TA9BS1	HWD	25	2	8.43	33.79	1.15	9.69	38.84
37826	TA8WS2	HWD	30	2	11.02	47.42	3.76	41.41	178.18

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Standing Timber Volume Calculations									
FID LWESI	Species Composition	Stratum	Age Class	Density class	Softwood Volume (m ³ /ha)	Hardwood Volume (m ³ /ha)	Area (ha)	Total Softwood Volume (m ³)	Total Hardwood Volume (m ³)
37679	TA8JP1BF1	HWD	30	2	11.02	47.42	0.54	6.00	25.82
35666	TA6BA2WS1BF1	HWD	35	2	13.55	61.83	1.48	20.02	91.38
37394	TA8BF1BS1	HWD	35	2	13.55	61.83	1.52	20.63	94.13
37820	TA8WS2	HWD	35	2	13.55	61.83	0.32	4.34	19.79
38067	TA9BF1	HWD	35	2	13.55	61.83	1.00	13.59	62.02
37860	TA9AS1	HWD	45	2	18.12	90.70	0.65	11.82	59.18
35664	TA6BA2WS1BF1	HWD	45	2	18.12	90.70	0.93	16.87	84.45
36557	TA7BA2AS1	HWD	45	2	18.12	90.70	1.09	19.84	99.30
37670	TA8JP1BF1	HWD	55	2	21.72	116.71	1.09	23.57	126.65
37979	TA9BF1	HWD	60	2	23.10	127.91	0.13	2.90	16.05
35282	TA5BA3AS2	HWD	60	2	23.10	127.91	0.01	0.30	1.69
35284	TA5BA3AS2	HWD	60	2	23.10	127.91	0.05	1.16	6.45
36549	TA7BA1AS1JP1	HWD	60	2	23.10	127.91	0.48	11.20	62.02
37717	TA8JP2	HWD	65	2	24.20	137.69	0.05	1.27	7.24
37775	TA8WS1BF1	HWD	65	1	19.65	50.72	0.42	8.33	21.50
37889	TA9BA1	HWD	65	1	19.65	50.72	0.65	12.72	32.82
38329	TA9JP1	HWD	65	2	24.20	137.69	0.94	22.83	129.88
38330	TA9JP1	HWD	65	2	24.20	137.69	0.90	21.79	124.00
37668	TA8JP1BF1	HWD	65	2	24.20	137.69	3.63	87.88	499.99
37774	TA8WS1BF1	HWD	65	2	24.20	137.69	5.07	122.81	698.73
37382	TA8BF1BS1	HWD	70	1	17.38	54.56	0.89	15.40	48.34
116626	TA10	HWD	75	2	25.62	152.72	0.00	0.00	0.00
117799	TA9BF1	HWD	75	2	25.62	152.72	0.56	14.29	85.20
117791	TA9BF1	HWD	80	2	25.97	157.96	0.03	0.79	4.80
117792	TA9BF1	HWD	80	2	25.97	157.96	0.00	0.00	0.02
37773	TA8WS1BF1	HWD	85	2	26.09	161.75	0.16	4.21	26.10
116914	TA6BA2BF2	HWD	85	2	26.09	161.75	0.01	0.20	1.24
116915	TA6BA2BF2	HWD	85	2	26.09	161.75	0.02	0.48	2.96
117189	TA7BA2BF1	HWD	95	1	7.33	61.77	0.54	3.92	33.05
117639	TA8JP1BF1	HWD	25	2	8.43	33.79	1.06	8.90	35.67
117656	TA8JP1BF1	HWD	25	2	8.43	33.79	0.98	8.22	32.97
117796	TA9BF1	HWD	80	2	25.97	157.96	0.51	13.18	80.15
116916	TA6BA2BF2	HWD	85	2	26.09	161.75	0.50	13.12	81.32
116917	TA6BA2BF2	HWD	85	2	26.09	161.75	0.52	13.50	83.72
34547	JP9TL1	JP	5	100	0.43	0.89	0.04	0.02	0.03
34549	JP9TL1	JP	5	100	0.43	0.89	0.76	0.33	0.67

Standing Timber Volume Calculations									
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34113	JP8BS1TA1	JP	55	100	89.57	3.96	0.11	9.47	0.42
34492	JP9TA1	JP	55	100	89.57	3.96	1.22	109.40	4.84
34493	JP9TA1	JP	55	100	89.57	3.96	2.08	186.46	8.24
34537	JP9TL1	JP	55	100	89.57	3.96	0.82	73.40	3.25
34067	JP8BS1TA1	JP	60	100	96.01	2.93	2.53	242.98	7.42
27612	BS10	LBS	5	100	0.11	0.36	2.36	0.26	0.85
27616	BS10	LBS	5	100	0.11	0.36	0.52	0.06	0.19
27618	BS10	LBS	5	100	0.11	0.36	0.91	0.10	0.33
29822	BS10	LBS	5	100	0.11	0.36	0.18	0.02	0.06
29830	BS10	LBS	5	100	0.11	0.36	0.50	0.06	0.18
32397	BS9BF1	LBS	5	100	0.11	0.36	0.19	0.02	0.07
115226	BS10	LBS	5	100	0.11	0.36	0.40	0.04	0.14
115797	BS10	LBS	5	100	0.11	0.36	0.03	0.00	0.01
115799	BS10	LBS	5	100	0.11	0.36	1.78	0.20	0.64
116197	BS9TL1	LBS	5	100	0.11	0.36	0.72	0.08	0.26
116200	BS9TL1	LBS	5	100	0.11	0.36	1.02	0.11	0.37
266201	SB10	LBS	5	100	0.11	0.36	0.71	0.08	0.26
27572	BS10	LBS	5	100	0.11	0.36	0.43	0.05	0.16
29808	BS10	LBS	5	100	0.11	0.36	0.20	0.02	0.07
32735	BS9TL1	LBS	5	100	0.11	0.36	0.08	0.01	0.03
27489	BS10	LBS	10	100	0.60	1.38	0.53	0.32	0.73
115136	BS10	LBS	10	100	0.60	1.38	0.06	0.04	0.09
115137	SB8TL2	LBS	10	100	0.60	1.38	0.91	0.54	1.25
27094	BS10	LBS	10	100	2.64	0.12	4.52	11.95	0.54
115095	BS10	LBS	10	100	0.60	1.38	3.79	2.28	5.23
115099	BS10	LBS	10	100	0.60	1.38	1.01	0.61	1.39
115100	BS10	LBS	10	100	0.60	1.38	0.02	0.01	0.02
115792	BS10	LBS	15	100	1.63	2.82	0.00	0.00	0.00
116196	BS9TL1	LBS	15	100	1.63	2.82	0.00	0.00	0.00
32678	BS9TL1	LBS	30	100	9.30	6.88	0.77	7.18	5.31
32302	BS8TL2	LBS	35	100	13.46	7.55	1.40	18.80	10.55
29665	BS10	LBS	75	100	57.25	3.61	1.38	79.10	4.99
29666	BS10	LBS	75	100	57.25	3.61	1.91	109.56	6.91
32632	BS9TL1	LBS	90	100	70.36	1.97	0.22	15.68	0.44
32633	BS9TL1	LBS	90	100	70.36	1.97	1.52	107.07	3.00
116088	BS8TL1BF1	LBS	90	100	70.36	1.97	0.13	9.35	0.26

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116180	BS9TL1	LBS	90	100	70.36	1.97	0.66	46.70	1.31
29632	BS10	LBS	90	100	70.36	1.97	1.23	86.35	2.42
32216	BS8TL2	LBS	95	100	73.92	1.58	1.03	76.25	1.63
115757	BS10	LBS	95	100	73.92	1.58	0.16	11.47	0.25
29587	BS10	LBS	100	100	77.08	1.26	2.27	174.61	2.85
32206	BS8TL2	LBS	100	100	77.08	1.26	1.20	92.49	1.51
29275	BS10	LBS	165	100	87.94	0.04	1.44	126.34	0.06
40180	WS4BF3TA3	MSPF	5	1	0.41	0.46	0.90	0.37	0.41
40181	WS4BF3TA3	MSPF	5	1	0.41	0.46	0.24	0.10	0.11
40182	WS4BF3TA3	MSPF	5	1	0.41	0.46	0.08	0.03	0.04
31618	BS7TA3	MSPF	5	1	0.41	0.46	1.19	0.49	0.55
30280	BS4TA4BF2	MSPF	5	1	0.41	0.46	0.79	0.32	0.36
115859	BS4TA4BF1JP1	MSPF	5	1	0.41	0.46	1.60	0.66	0.74
28443	BF4TA3WS1BS1AS1	MSPF	5	1	0.41	0.46	4.29	1.76	1.97
28533	BF4TA4TL1BS1	MSPF	5	1	0.41	0.46	1.13	0.46	0.52
28591	BF4TA4WS2	MSPF	5	1	0.41	0.46	1.46	0.60	0.67
28599	BF4TA4WS2	MSPF	5	1	0.41	0.46	0.30	0.12	0.14
28690	BF4WS3TA3	MSPF	5	1	0.41	0.46	0.58	0.24	0.27
28796	BF5TA3BS2	MSPF	5	1	0.41	0.46	0.68	0.28	0.31
115407	BF4TA3WS2BS1	MSPF	5	1	0.41	0.46	2.72	1.12	1.25
30059	BS4BF3TA3	MSPF	5	2	0.53	0.45	0.35	0.19	0.16
30055	BS4BF3TA3	MSPF	5	2	0.53	0.45	0.12	0.06	0.05
33576	JP6TA4	MSPF	10	1	1.90	1.91	1.24	2.35	2.36
116405	JP6TA4	MSPF	10	1	1.90	1.91	0.00	0.00	0.00
116405	JP6TA4	MSPF	10	1	1.90	1.91	1.10	2.10	2.11
30044	BS4BF3TA3	MSPF	30	2	24.47	17.97	0.87	21.20	15.57
30317	BS4TL2TA2BF1WB1	MSPF	45	2	47.14	33.65	1.79	84.32	60.19
29888	BS3BF3TA3TL1	MSPF	50	2	54.52	38.66	1.12	61.33	43.49
30027	BS4BF3TA3	MSPF	55	2	61.51	43.36	0.08	5.15	3.63
33102	JP4TA4BS2	MSPF	60	2	68.01	47.70	1.73	117.54	82.44
40202	WS4TA4BF2	MSPF	60	1	43.90	26.78	1.53	67.19	40.99
28495	BF4TA4BS2	MSPF	75	2	83.75	58.02	1.38	115.41	79.95
33085	JP4TA3WS2BF1	MSPF	80	2	87.63	60.52	0.87	76.11	52.57
36062	TA6BS2TL1JP1	NSPF	5	100	1.45	0.85	0.05	0.08	0.05
36691	TA7BF2BS1	NSPF	5	100	1.45	0.85	0.02	0.04	0.02
36690	TA7BF2BS1	NSPF	5	100	1.45	0.85	0.73	1.06	0.62

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37148	TA7WS2BF1	NSPF	5	100	1.45	0.85	0.48	0.70	0.41
36956	TA7JP1BF1BS1	NSPF	10	100	7.43	4.05	0.53	3.93	2.14
37081	TA7JP3	NSPF	10	100	7.43	4.05	15.41	114.52	62.42
117338	TA7JP1BS1TL1	NSPF	10	100	7.43	4.05	5.17	38.44	20.95
117386	TA7JP3	NSPF	10	100	7.43	4.05	3.95	29.33	15.99
27266	TA5WS5	NSPF	10	100	7.43	4.05	5.49	40.79	22.23
35216	TA5AS2BF2WS1	NSPF	10	100	7.43	4.05	0.57	4.24	2.31
35304	TA5BF2AS1WS1BS1	NSPF	10	100	7.43	4.05	1.40	10.38	5.66
35338	TA5BF2WS2AS1	NSPF	10	100	7.43	4.05	0.04	0.32	0.18
35782	TA6BF2BS2	NSPF	10	100	7.43	4.05	0.53	3.96	2.16
35861	TA6BF2WS2	NSPF	10	100	7.43	4.05	0.91	6.77	3.69
36034	TA6BS2BF2	NSPF	10	100	7.43	4.05	0.57	4.20	2.29
36357	TA6WS2BF2	NSPF	10	100	7.43	4.05	2.12	15.73	8.57
36366	TA6WS2BF2	NSPF	10	100	7.43	4.05	1.49	11.11	6.05
36682	TA7BF2BS1	NSPF	10	100	7.43	4.05	2.76	20.53	11.19
36776	TA7BF2WS1	NSPF	10	100	7.43	4.05	5.88	43.72	23.83
36785	TA7BF2WS1	NSPF	10	100	7.43	4.05	1.58	11.76	6.41
36848	TA7BF3	NSPF	10	100	7.43	4.05	0.54	4.05	2.21
36856	TA7BF3	NSPF	10	100	7.43	4.05	3.99	29.61	16.14
37147	TA7WS2BF1	NSPF	10	100	7.43	4.05	1.85	13.73	7.48
117265	TA7BF2WS1	NSPF	10	100	7.43	4.05	1.71	12.70	6.92
117320	TA7BF3	NSPF	10	100	7.43	4.05	0.65	4.85	2.64
36988	TA7JP2BF1	NSPF	25	100	43.71	23.78	0.65	28.58	15.55
36675	TA7BF2BS1	NSPF	30	100	56.70	31.52	0.54	30.47	16.94
35845	TA6BF2WS2	NSPF	35	100	68.19	38.94	0.68	46.34	26.46
36660	TA7BF2BS1	NSPF	40	100	77.56	45.68	0.69	53.78	31.68
36807	TA7BF3	NSPF	40	100	77.56	45.68	0.65	50.45	29.72
36124	TA6JP2BF2	NSPF	50	100	89.12	56.27	1.30	115.46	72.90
36209	TA6JP3WS1	NSPF	50	100	89.12	56.27	1.70	151.07	95.39
36061	TA6BS2TL1JP1	NSPF	50	100	89.12	56.27	0.05	4.07	2.57
36225	TA6JP4	NSPF	55	100	91.40	59.93	2.72	248.27	162.79
37052	TA7JP3	NSPF	60	100	91.64	62.49	0.66	60.03	40.93
37149	TA7WS2BS1	NSPF	65	100	90.13	64.00	0.00	0.01	0.01
35183	TA4TL3BA2BS1	OTHHW	10	100	3.51	1.21	0.26	0.90	0.31
35184	TA4TL3BA2BS1	OTHHW	10	100	3.51	1.21	0.79	2.76	0.95
35187	TA4TL3BA2BS1	OTHHW	10	100	3.51	1.21	2.03	7.14	2.46

Standing Timber Volume Calculations									
FID LWESI	Species Composition	Stratum	Age Class	Density class	Softwood Volume (m ³ /ha)	Hardwood Volume (m ³ /ha)	Area (ha)	Total Softwood Volume (m ³)	Total Hardwood Volume (m ³)
37109	TA7TL2BS1	OTHHW	35	100	22.59	18.45	0.51	11.51	9.40
36447	TA7AS1WS1BF1	OTHHW	45	100	24.89	29.65	1.76	43.80	52.18
36870	TA7BO3	OTHHW	45	100	24.89	29.65	0.06	1.45	1.73
38804	TL4BS2BA2AS2	OTHSW	40	100	26.09	18.92	1.86	48.54	35.20
115920	BS6JP2TA2	SMIX	5	1	0.35	0.23	0.65	0.23	0.15
27629	BS7BF3	SMIX	5	1	0.35	0.23	7.44	2.60	1.71
27630	BS7BF3	SMIX	5	1	0.35	0.23	1.53	0.54	0.35
27636	BS7BF3	SMIX	5	1	0.35	0.23	1.47	0.52	0.34
31538	BS7BF3	SMIX	5	1	0.35	0.23	2.90	1.01	0.67
28870	BF5WS3BS2	SMIX	5	1	0.35	0.23	1.10	0.39	0.25
115373	BF4BS4JP1TA1	SMIX	5	1	0.35	0.23	0.72	0.25	0.17
115602	BF6BS3TA1	SMIX	5	1	0.35	0.23	0.84	0.29	0.19
266216	BF4WS4TA2	SMIX	5	1	0.35	0.23	0.56	0.20	0.13
30345	BS4WS2BF2TL1TA1	SMIX	5	2	0.63	0.43	0.09	0.06	0.04
31483	BS7BF2TA1	SMIX	5	2	0.63	0.43	0.27	0.17	0.12
30958	BS6JP2BF1TA1	SMIX	5	2	0.63	0.43	1.81	1.14	0.78
31481	BS7BF2TA1	SMIX	5	2	0.63	0.43	0.20	0.13	0.09
30121	BS4BF4TA2	SMIX	5	2	0.63	0.43	0.72	0.45	0.31
115175	JP7BS3	SMIX	10	2	3.27	1.57	0.95	3.09	1.49
116267	JP5BS2BF2TA1	SMIX	10	1	1.65	0.75	0.62	1.02	0.46
27138	BS7WS3	SMIX	10	1	1.65	0.75	2.03	3.35	1.52
30461	BS5BF5	SMIX	15	1	3.90	1.42	0.56	2.20	0.80
40239	WS6BS2BF1TA1	SMIX	25	1	10.73	2.83	2.66	28.54	7.53
29157	BF7BS3	SMIX	35	1	19.52	4.07	0.01	0.24	0.05
30843	BS6BF2TL1TA1	SMIX	45	1	29.05	4.99	1.22	35.47	6.09
30499	BS5JP3BF2	SMIX	45	1	29.05	4.99	1.78	51.81	8.90
29900	BS3BF3WS2TA2	SMIX	45	1	29.05	4.99	0.19	5.52	0.95
30114	BS4BF4TA2	SMIX	45	1	29.05	4.99	1.07	31.21	5.36
30825	BS6BF2TA2	SMIX	45	2	57.98	9.65	0.52	29.90	4.98
28693	BF4WS4BS2	SMIX	45	1	29.05	4.99	2.12	61.50	10.56
30951	BS6JP2BF1TA1	SMIX	45	2	57.98	9.65	0.32	18.62	3.10
31040	BS6JP4	SMIX	45	2	57.98	9.65	0.01	0.60	0.10
31453	BS7BF1TL1TA1	SMIX	50	2	66.08	9.91	0.85	56.10	8.41
31480	BS7BF2TA1	SMIX	50	2	66.08	9.91	0.00	0.12	0.02
30150	BS4JP2BF2TA2	SMIX	55	2	73.41	9.97	0.32	23.17	3.15
30999	BS6JP3BF1	SMIX	55	1	38.40	5.56	0.00	0.03	0.00

Standing Timber Volume Calculations									
FID LWESI	Species Composition	Stratum	Age Class	Density class	Softwood Volume (m ³ /ha)	Hardwood Volume (m ³ /ha)	Area (ha)	Total Softwood Volume (m ³)	Total Hardwood Volume (m ³)
30457	BS5BF5	SMIX	55	1	38.40	5.56	0.22	8.50	1.23
30458	BS5BF5	SMIX	55	1	38.40	5.56	0.46	17.79	2.58
33178	JP5BS3TA2	SMIX	60	2	79.85	9.85	0.49	39.08	4.82
33744	JP7BS2TA1	SMIX	60	2	79.85	9.85	0.28	22.57	2.78
30344	BS4WS2BF2TL1TA1	SMIX	75	2	93.31	8.78	1.14	106.60	10.03
27637	BS7TL3	STL	5	100	0.71	0.24	1.54	1.10	0.37
27641	BS7TL3	STL	5	100	0.71	0.24	0.22	0.16	0.05
27643	BS7TL3	STL	5	100	0.71	0.24	1.62	1.15	0.39
30615	BS5TL3TA2	STL	5	100	0.71	0.24	5.59	3.97	1.34
31387	BS6TL4	STL	5	100	0.71	0.24	0.67	0.47	0.16
31395	BS6TL4	STL	5	100	0.71	0.24	1.12	0.80	0.27
31900	BS7TL3	STL	5	100	0.71	0.24	2.51	1.78	0.60
31903	BS7TL3	STL	5	100	0.71	0.24	1.73	1.23	0.42
115244	SB7TL3	STL	5	100	0.71	0.24	2.78	1.98	0.67
30714	BS5TL5	STL	5	100	0.71	0.24	2.46	1.75	0.59
30697	BS5TL5	STL	5	100	0.71	0.24	0.16	0.12	0.04
31867	BS7TL3	STL	5	100	0.71	0.24	0.01	0.01	0.00
27528	BS7TL3	STL	5	100	0.71	0.24	0.86	0.61	0.21
31346	BS6TL4	STL	10	100	3.40	0.68	0.04	0.13	0.03
27358	BS7TL3	STL	10	100	3.40	0.68	0.93	3.16	0.63
27367	BS7TL3	STL	10	100	3.40	0.68	0.26	0.90	0.18
31343	BS6TL4	STL	10	100	3.40	0.68	0.08	0.26	0.05
27174	BS7TL3	STL	10	100	3.40	0.68	1.14	3.88	0.78
31850	BS7TL3	STL	15	100	7.93	1.16	0.02	0.16	0.02
31852	BS7TL3	STL	15	100	7.93	1.16	0.70	5.55	0.81
31329	BS6TL4	STL	25	100	20.53	1.99	0.02	0.46	0.04
31822	BS7TL3	STL	35	100	34.83	2.55	0.41	14.32	1.05
31308	BS6TL4	STL	35	100	34.83	2.55	0.17	5.86	0.43
31813	BS7TL3	STL	40	100	41.74	2.72	1.83	76.20	4.97
31297	BS6TL4	STL	45	100	48.17	2.83	1.51	72.54	4.26
31802	BS7TL3	STL	45	100	48.17	2.83	2.54	122.14	7.18
30678	BS5TL5	STL	50	100	53.97	2.88	1.48	80.07	4.27
31277	BS6TL4	STL	55	100	59.04	2.89	0.29	16.97	0.83
31246	BS6TL4	STL	80	100	72.67	2.47	1.71	123.99	4.21
30652	BS5TL5	STL	100	100	71.61	1.93	1.52	108.60	2.93
31723	BS7TL3	STL	100	100	71.61	1.93	0.22	15.43	0.42

Standing Timber Volume Calculations									
FID LWESI	Species Composition	Stratum	Age Class	Density class	Softwood Volume (m ³ /ha)	Hardwood Volume (m ³ /ha)	Area (ha)	Total Softwood Volume (m ³)	Total Hardwood Volume (m ³)
31724	BS7TL3	STL	100	100	71.61	1.93	0.30	21.27	0.57
115890	BS5TL5	STL	100	100	71.61	1.93	0.01	0.77	0.02
116032	BS7TL3	STL	100	100	71.61	1.93	0.35	24.95	0.67
31172	BS6TL4	STL	130	100	59.10	1.18	0.40	23.67	0.47
31174	BS6TL4	STL	130	100	59.10	1.18	0.81	47.86	0.96
31664	BS7TL3	STL	130	100	59.10	1.18	2.61	154.07	3.08
38793	TL10	TLS	5	100	0.45	0.25	0.43	0.19	0.11
118012	TL9BS1	TLS	5	100	0.45	0.25	0.85	0.38	0.21
38844	TL5BS3BA2	TLS	5	100	0.45	0.25	0.65	0.29	0.16
38857	TL5BS3TA2	TLS	5	100	0.45	0.25	0.76	0.34	0.19
39252	TL6BS4	TLS	5	100	0.45	0.25	0.20	0.09	0.05
39588	TL7BS3	TLS	5	100	0.45	0.25	4.53	2.04	1.13
39591	TL7BS3	TLS	5	100	0.45	0.25	1.49	0.67	0.37
39593	TL7BS3	TLS	5	100	0.45	0.25	0.08	0.04	0.02
39238	TL6BS4	TLS	5	100	0.45	0.25	0.03	0.02	0.01
27407	TL7BS3	TLS	10	100	2.01	0.69	1.60	3.22	1.11
27286	TL7BS3	TLS	10	100	2.01	0.69	1.67	3.36	1.15
27211	TL10	TLS	10	100	2.01	0.69	1.69	3.39	1.16
27213	TL10	TLS	10	100	2.01	0.69	1.76	3.53	1.21
27244	TL7BS3	TLS	10	100	2.01	0.69	0.03	0.07	0.02
38925	TL5BS5	TLS	15	100	4.52	1.15	0.04	0.17	0.04
39544	TL7BS3	TLS	15	100	4.52	1.15	0.39	1.75	0.44
39546	TL7BS3	TLS	15	100	4.52	1.15	0.00	0.00	0.00
39547	TL7BS3	TLS	15	100	4.52	1.15	0.02	0.10	0.03
38924	TL5BS5	TLS	15	100	4.52	1.15	0.71	3.19	0.81
39188	TL6BS4	TLS	30	100	28.32	2.40	0.53	15.09	1.28
39514	TL7BS3	TLS	35	100	18.63	2.31	1.61	30.02	3.72
39624	TL8BA1AS1	TLS	40	100	22.15	2.39	1.11	24.49	2.64
39152	TL6BS4	TLS	50	100	28.32	2.40	0.10	2.79	0.24
39146	TL6BS4	TLS	55	100	30.86	2.33	0.58	17.93	1.35
38913	TL5BS5	TLS	60	100	33.00	2.24	0.52	17.16	1.16
38730	TL10	TLS	65	100	34.72	2.12	0.80	27.68	1.69
38897	TL5BS5	TLS	80	100	37.60	1.71	2.67	100.55	4.57
39007	TL6BS3TA1	TLS	80	100	37.60	1.71	0.87	32.87	1.49
39413	TL7BS3	TLS	90	100	37.84	1.44	1.36	51.58	1.96
38666	TL10	TLS	100	100	37.03	1.18	0.74	27.24	0.87

Standing Timber Volume Calculations									
FID LWESI	Species Composition	Stratum	Age Class	Density class	Softwood Volume (m ³ /ha)	Hardwood Volume (m ³ /ha)	Area (ha)	Total Softwood Volume (m ³)	Total Hardwood Volume (m ³)
39079	TL6BS4	TLS	100	100	37.03	1.18	3.39	125.69	4.01
39080	TL6BS4	TLS	100	100	37.03	1.18	1.05	38.82	1.24
38585	TL10	TLS	110	100	35.42	0.95	0.00	0.15	0.00
39951	TL9BS1	TLS	110	100	35.42	0.95	1.77	62.81	1.68
39958	TL9BS1	TLS	110	100	35.42	0.95	0.98	34.68	0.93
39030	TL6BS4	TLS	110	100	35.42	0.95	0.39	13.89	0.37
39351	TL7BS3	TLS	110	100	35.42	0.95	0.74	26.11	0.70
39674	TL8BS2	TLS	130	100	30.76	0.60	0.47	14.56	0.28
31995	BS8BF2	UBS	5	100	0.59	0.06	0.95	0.56	0.06
27297	BS10	UBS	10	100	2.64	0.12	0.30	0.79	0.04
115131	BS10	UBS	10	100	2.64	0.12	1.18	3.12	0.14
27066	BS10	UBS	10	100	2.64	0.12	0.23	0.61	0.03
115084	BS10	UBS	10	100	2.64	0.12	0.39	1.02	0.05
32071	BS8TA2	UBS	30	100	21.25	0.24	1.16	24.71	0.28
Total Preferred Route							344.65	6,495.56	4,860.92
Final Preferred Route Adjustment									
Deleted from Final Preferred Route									
507093	TA5BA3AS2	HWD	60	2	23.10	127.91	0.06	1.47	8.13
498843	TA10	HWD	20	1	11.88	5.64	0.63	7.49	3.56
506731	BS10	LBS	10	100	0.60	1.38	0.50	0.30	0.69
Total Deleted from Final Preferred Route							-1.20	-9.26	-12.38
Added to Final Preferred Route									
506731	BS10	LBS	10	100	0.60	1.38	2.03	1.22	2.80
Total Added to Final Preferred Route							2.03	1.22	2.80
Total Final Preferred Route							345.48	6,487.51	4,851.33

Appendix E Forest Damage Appraisal and Valuation Calculations

Manitoba Hydro
Lake Winnipeg East System Improvement Transmission Project

Forest Damage Appraisal and Valuation Calculations										
FID LWESI	Species Composition	Stratum	Softwood Volume (m ³)	Hardwood Volume (m ³)	Total Volume (m ³)	Crown Dues (\$1.75/m ³)	Forest Renewal Charge		Forest Protection Charge (\$0.17/m ³)	Total Timber Value (\$)
							Softwood (\$5.75/m ³)	Hardwood (\$0.50/m ³)		
27774	AS6BA2TA2	ASH	0.81	0.53	1.34	\$2.35	\$4.67	\$0.27	\$0.23	\$7.51
27887	AS7BA2BF1	ASH	0.34	0.22	0.56	\$0.98	\$1.95	\$0.11	\$0.10	\$3.13
27919	AS7BA3	ASH	1.52	1.00	2.51	\$4.39	\$8.72	\$0.50	\$0.43	\$14.03
27973	AS8BA2	ASH	0.70	0.46	1.16	\$2.03	\$4.03	\$0.23	\$0.20	\$6.49
27975	AS8BA2	ASH	5.03	3.30	8.33	\$14.57	\$28.90	\$1.65	\$1.42	\$46.53
27905	AS7BA3	ASH	0.59	1.66	2.25	\$3.93	\$3.40	\$0.83	\$0.38	\$8.55
35668	TA6BA2WS1BF1	HWD	0.04	0.09	0.13	\$0.23	\$0.25	\$0.04	\$0.02	\$0.55
37692	TA8JP1BF1	HWD	0.08	0.16	0.23	\$0.41	\$0.43	\$0.08	\$0.04	\$0.96
37748	TA8JP2	HWD	0.02	0.05	0.08	\$0.13	\$0.14	\$0.03	\$0.01	\$0.31
38416	TA9JP1	HWD	0.43	1.19	1.62	\$2.83	\$2.47	\$0.59	\$0.28	\$6.17
36566	TA7BA2BF1	HWD	0.78	0.27	1.05	\$1.83	\$4.48	\$0.13	\$0.18	\$6.62
37206	TA8AS1BF1	HWD	8.33	2.87	11.20	\$19.60	\$47.88	\$1.44	\$1.90	\$70.82
37553	TA8BF2	HWD	0.94	0.32	1.26	\$2.21	\$5.41	\$0.16	\$0.22	\$8.00
37689	TA8JP1BF1	HWD	0.04	0.01	0.05	\$0.08	\$0.21	\$0.01	\$0.01	\$0.30
37690	TA8JP1BF1	HWD	15.34	5.29	20.63	\$36.10	\$88.20	\$2.64	\$3.51	\$130.45
38267	TA9BS1	HWD	2.58	0.89	3.46	\$6.06	\$14.81	\$0.44	\$0.59	\$21.90
38410	TA9JP1	HWD	6.71	2.31	9.02	\$15.79	\$38.58	\$1.16	\$1.53	\$57.06
116677	TA10	HWD	2.68	0.93	3.61	\$6.32	\$15.43	\$0.46	\$0.61	\$22.82
116690	TA10	HWD	3.89	1.34	5.23	\$9.15	\$22.35	\$0.67	\$0.89	\$33.06
117453	TA8AS1BF1	HWD	19.29	6.65	25.94	\$45.39	\$110.90	\$3.32	\$4.41	\$164.02
117888	TA9JP1	HWD	20.84	7.18	28.02	\$49.03	\$119.81	\$3.59	\$4.76	\$177.20
266285	TA8JP2	HWD	13.16	4.54	17.70	\$30.97	\$75.67	\$2.27	\$3.01	\$111.92
117888	TA9JP1	HWD	12.59	4.34	16.94	\$29.64	\$72.42	\$2.17	\$2.88	\$107.10

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Forest Damage Appraisal and Valuation Calculations										
FID LWESI	Species Composition	Stratum	Softwood Volume (m ³)	Hardwood Volume (m ³)	Total Volume (m ³)	Crown Dues (\$1.75/m ³)	Forest Renewal Charge		Forest Protection Charge (\$0.17/m ³)	Total Timber Value (\$)
							Softwood (\$5.75/m ³)	Hardwood (\$0.50/m ³)		
28120	BA6TA2AS2	HWD	0.02	0.01	0.03	\$0.06	\$0.14	\$0.00	\$0.01	\$0.21
37684	TA8JP1BF1	HWD	0.00	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.01
116649	TA10	HWD	0.00	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
34927	TA10	HWD	9.92	4.71	14.62	\$25.59	\$57.01	\$2.35	\$2.49	\$87.44
37768	TA8WB2	HWD	4.53	2.15	6.68	\$11.68	\$26.03	\$1.07	\$1.14	\$39.93
116645	TA10	HWD	0.95	0.45	1.41	\$2.46	\$5.49	\$0.23	\$0.24	\$8.42
117518	TA8BF1WS1	HWD	0.09	0.34	0.43	\$0.75	\$0.53	\$0.17	\$0.07	\$1.52
117638	TA8JP1BF1	HWD	47.77	191.49	239.26	\$418.71	\$274.70	\$95.74	\$40.67	\$829.82
117645	TA8JP1BF1	HWD	14.70	58.94	73.64	\$128.87	\$84.55	\$29.47	\$12.52	\$255.41
117647	TA8JP1BF1	HWD	15.84	63.49	79.33	\$138.82	\$91.07	\$31.74	\$13.49	\$275.12
117882	TA9JP1	HWD	6.26	25.11	31.37	\$54.90	\$36.02	\$12.55	\$5.33	\$108.80
38242	TA9BS1	HWD	9.69	38.84	48.52	\$84.92	\$55.71	\$19.42	\$8.25	\$168.29
37826	TA8WS2	HWD	41.41	178.18	219.59	\$384.29	\$238.10	\$89.09	\$37.33	\$748.81
37679	TA8JP1BF1	HWD	6.00	25.82	31.82	\$55.69	\$34.50	\$12.91	\$5.41	\$108.52
35666	TA6BA2WS1BF1	HWD	20.02	91.38	111.40	\$194.95	\$115.14	\$45.69	\$18.94	\$374.72
37394	TA8BF1BS1	HWD	20.63	94.13	114.75	\$200.82	\$118.61	\$47.06	\$19.51	\$386.00
37820	TA8WS2	HWD	4.34	19.79	24.12	\$42.21	\$24.93	\$9.89	\$4.10	\$81.14
38067	TA9BF1	HWD	13.59	62.02	75.62	\$132.33	\$78.16	\$31.01	\$12.85	\$254.35
37860	TA9AS1	HWD	11.82	59.18	71.00	\$124.24	\$67.98	\$29.59	\$12.07	\$233.88
35664	TA6BA2WS1BF1	HWD	16.87	84.45	101.32	\$177.31	\$97.01	\$42.22	\$17.22	\$333.77
36557	TA7BA2AS1	HWD	19.84	99.30	119.14	\$208.49	\$114.07	\$49.65	\$20.25	\$392.46
37670	TA8JP1BF1	HWD	23.57	126.65	150.22	\$262.89	\$135.53	\$63.33	\$25.54	\$487.29
37979	TA9BF1	HWD	2.90	16.05	18.95	\$33.17	\$16.67	\$8.03	\$3.22	\$61.09

Manitoba Hydro
Lake Winnipeg East System Improvement Transmission Project

Forest Damage Appraisal and Valuation Calculations										
FID LWESI	Species Composition	Stratum	Softwood Volume (m ³)	Hardwood Volume (m ³)	Total Volume (m ³)	Crown Dues (\$1.75/m ³)	Forest Renewal Charge		Forest Protection Charge (\$0.17/m ³)	Total Timber Value (\$)
							Softwood (\$5.75/m ³)	Hardwood (\$0.50/m ³)		
35282	TA5BA3AS2	HWD	0.30	1.69	1.99	\$3.49	\$1.75	\$0.84	\$0.34	\$6.42
35284	TA5BA3AS2	HWD	1.16	6.45	7.61	\$13.32	\$6.69	\$3.22	\$1.29	\$24.53
36549	TA7BA1AS1 JP1	HWD	11.20	62.02	73.22	\$128.13	\$64.40	\$31.01	\$12.45	\$235.98
37717	TA8JP2	HWD	1.27	7.24	8.52	\$14.90	\$7.32	\$3.62	\$1.45	\$27.29
37775	TA8WS1BF1	HWD	8.33	21.50	29.84	\$52.21	\$47.90	\$10.75	\$6.07	\$115.94
37889	TA9BA1	HWD	12.72	32.82	45.54	\$79.69	\$73.11	\$16.41	\$7.74	\$176.95
38329	TA9JP1	HWD	22.83	129.88	152.71	\$267.25	\$131.26	\$64.94	\$25.96	\$489.41
38330	TA9JP1	HWD	21.79	124.00	145.80	\$255.15	\$125.32	\$62.00	\$24.79	\$467.25
37668	TA8JP1BF1	HWD	87.88	499.99	587.86	\$1,028.76	\$505.29	\$249.99	\$99.94	\$1,883.97
37774	TA8WS1BF1	HWD	122.81	698.73	821.54	\$1,437.69	\$706.14	\$349.36	\$139.66	\$2,632.85
37382	TA8BF1BS1	HWD	15.40	48.34	63.74	\$111.54	\$88.54	\$24.17	\$10.84	\$235.09
116626	TA10	HWD	0.00	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
117799	TA9BF1	HWD	14.29	85.20	99.50	\$174.12	\$82.19	\$42.60	\$16.91	\$315.83
117791	TA9BF1	HWD	0.79	4.80	5.59	\$9.78	\$4.54	\$2.40	\$0.95	\$17.67
117792	TA9BF1	HWD	0.00	0.02	0.02	\$0.04	\$0.02	\$0.01	\$0.00	\$0.07
37773	TA8WS1BF1	HWD	4.21	26.10	30.31	\$53.04	\$24.21	\$13.05	\$5.15	\$95.46
116914	TA6BA2BF2	HWD	0.20	1.24	1.44	\$2.52	\$1.15	\$0.62	\$0.24	\$4.54
116915	TA6BA2BF2	HWD	0.48	2.96	3.44	\$6.02	\$2.75	\$1.48	\$0.58	\$10.83
117189	TA7BA2BF1	HWD	3.92	33.05	36.97	\$64.70	\$22.55	\$16.53	\$6.29	\$110.07
34547	JP9TL1	JP	0.02	0.03	0.05	\$0.09	\$0.09	\$0.02	\$0.01	\$0.20
34549	JP9TL1	JP	0.33	0.67	1.00	\$1.75	\$1.87	\$0.34	\$0.17	\$4.12
34113	JP8BS1TA1	JP	9.47	0.42	9.89	\$17.30	\$54.44	\$0.21	\$1.68	\$73.63

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							Softwood (\$5.75/m ³)	Hardwood (\$0.50/m ³)		
34492	JP9TA1	JP	109.40	4.84	114.24	\$199.91	\$629.04	\$2.42	\$19.42	\$850.79
34493	JP9TA1	JP	186.46	8.24	194.70	\$340.72	\$1,072.12	\$4.12	\$33.10	\$1,450.07
34537	JP9TL1	JP	73.40	3.25	76.65	\$134.13	\$422.06	\$1.62	\$13.03	\$570.84
34067	JP8BS1TA1	JP	242.98	7.42	250.40	\$438.20	\$1,397.15	\$3.71	\$42.57	\$1,881.62
27612	BS10	LBS	0.26	0.85	1.11	\$1.94	\$1.49	\$0.42	\$0.19	\$4.04
27616	BS10	LBS	0.06	0.19	0.25	\$0.43	\$0.33	\$0.09	\$0.04	\$0.90
27618	BS10	LBS	0.10	0.33	0.43	\$0.75	\$0.58	\$0.16	\$0.07	\$1.56
29822	BS10	LBS	0.02	0.06	0.08	\$0.15	\$0.11	\$0.03	\$0.01	\$0.30
29830	BS10	LBS	0.06	0.18	0.24	\$0.41	\$0.32	\$0.09	\$0.04	\$0.86
32397	BS9BF1	LBS	0.02	0.07	0.09	\$0.15	\$0.12	\$0.03	\$0.01	\$0.32
115226	BS10	LBS	0.04	0.14	0.19	\$0.33	\$0.25	\$0.07	\$0.03	\$0.68
115797	BS10	LBS	0.00	0.01	0.02	\$0.03	\$0.02	\$0.01	\$0.00	\$0.06
115799	BS10	LBS	0.20	0.64	0.84	\$1.46	\$1.13	\$0.32	\$0.14	\$3.05
116197	BS9TL1	LBS	0.08	0.26	0.34	\$0.59	\$0.46	\$0.13	\$0.06	\$1.24
116200	BS9TL1	LBS	0.11	0.37	0.48	\$0.84	\$0.64	\$0.18	\$0.08	\$1.74
266201	SB10	LBS	0.08	0.26	0.33	\$0.58	\$0.45	\$0.13	\$0.06	\$1.22
27572	BS10	LBS	0.05	0.16	0.20	\$0.36	\$0.27	\$0.08	\$0.03	\$0.74
29808	BS10	LBS	0.02	0.07	0.09	\$0.16	\$0.12	\$0.04	\$0.02	\$0.34
32735	BS9TL1	LBS	0.01	0.03	0.04	\$0.07	\$0.05	\$0.02	\$0.01	\$0.15
27489	BS10	LBS	0.32	0.73	1.05	\$1.84	\$1.83	\$0.37	\$0.18	\$4.22
115136	BS10	LBS	0.04	0.09	0.12	\$0.21	\$0.21	\$0.04	\$0.02	\$0.49
115137	SB8TL2	LBS	0.54	1.25	1.80	\$3.15	\$3.13	\$0.63	\$0.31	\$7.21
27094	BS10	LBS	11.95	0.54	12.49	\$21.85	\$68.69	\$0.27	\$2.12	\$92.94

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Forest Damage Appraisal and Valuation Calculations										
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							Softwood (\$5.75/m ³)	Hardwood (\$0.50/m ³)		
115095	BS10	LBS	2.28	5.23	7.51	\$13.14	\$13.08	\$2.62	\$1.28	\$30.12
115099	BS10	LBS	0.61	1.39	2.00	\$3.49	\$3.48	\$0.70	\$0.34	\$8.01
115100	BS10	LBS	0.01	0.02	0.04	\$0.06	\$0.06	\$0.01	\$0.01	\$0.14
115792	BS10	LBS	0.00	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
116196	BS9TL1	LBS	0.00	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
32678	BS9TL1	LBS	7.18	5.31	12.49	\$21.86	\$41.29	\$2.66	\$2.12	\$67.94
32302	BS8TL2	LBS	18.80	10.55	29.35	\$51.36	\$108.11	\$5.27	\$4.99	\$169.72
29665	BS10	LBS	79.10	4.99	84.09	\$147.16	\$454.85	\$2.49	\$14.30	\$618.80
29666	BS10	LBS	109.56	6.91	116.47	\$203.82	\$629.97	\$3.45	\$19.80	\$857.04
32632	BS9TL1	LBS	15.68	0.44	16.12	\$28.21	\$90.16	\$0.22	\$2.74	\$121.33
32633	BS9TL1	LBS	107.07	3.00	110.06	\$192.61	\$615.63	\$1.50	\$18.71	\$828.46
116088	BS8TL1BF1	LBS	9.35	0.26	9.62	\$16.83	\$53.79	\$0.13	\$1.63	\$72.38
116180	BS9TL1	LBS	46.70	1.31	48.01	\$84.02	\$268.53	\$0.65	\$8.16	\$361.36
29632	BS10	LBS	86.35	2.42	88.76	\$155.34	\$496.50	\$1.21	\$15.09	\$668.13
32216	BS8TL2	LBS	76.25	1.63	77.88	\$136.28	\$438.42	\$0.81	\$13.24	\$588.76
115757	BS10	LBS	11.47	0.25	11.71	\$20.50	\$65.94	\$0.12	\$1.99	\$88.56
29587	BS10	LBS	174.61	2.85	177.46	\$310.56	\$1,004.00	\$1.43	\$30.17	\$1,346.16
32206	BS8TL2	LBS	92.49	1.51	94.00	\$164.50	\$531.80	\$0.76	\$15.98	\$713.03
29275	BS10	LBS	126.34	0.06	126.40	\$221.20	\$726.46	\$0.03	\$21.49	\$969.17
40180	WS4BF3TA3	MSPF	0.37	0.41	0.78	\$1.36	\$2.11	\$0.21	\$0.13	\$3.81
40181	WS4BF3TA3	MSPF	0.10	0.11	0.21	\$0.36	\$0.56	\$0.05	\$0.04	\$1.02
40182	WS4BF3TA3	MSPF	0.03	0.04	0.07	\$0.12	\$0.18	\$0.02	\$0.01	\$0.33
31618	BS7TA3	MSPF	0.49	0.55	1.04	\$1.81	\$2.81	\$0.27	\$0.18	\$5.07

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FID LWESI	Species Composition	Stratum	Softwood Volume (m ³)	Hardwood Volume (m ³)	Total Volume (m ³)	Crown Dues (\$1.75/m ³)	Forest Renewal Charge		Forest Protection Charge (\$0.17/m ³)	Total Timber Value (\$)
							Softwood (\$5.75/m ³)	Hardwood (\$0.50/m ³)		
30280	BS4TA4BF2	MSPF	0.32	0.36	0.69	\$1.20	\$1.86	\$0.18	\$0.12	\$3.36
115859	BS4TA4BF1 JP1	MSPF	0.66	0.74	1.40	\$2.44	\$3.78	\$0.37	\$0.24	\$6.83
28443	BF4TA3WS1BS1 AS1	MSPF	1.76	1.97	3.73	\$6.53	\$10.11	\$0.99	\$0.63	\$18.27
28533	BF4TA4TL1 BS1	MSPF	0.46	0.52	0.99	\$1.72	\$2.67	\$0.26	\$0.17	\$4.82
28591	BF4TA4WS2	MSPF	0.60	0.67	1.27	\$2.22	\$3.43	\$0.33	\$0.22	\$6.20
28599	BF4TA4WS2	MSPF	0.12	0.14	0.26	\$0.46	\$0.71	\$0.07	\$0.04	\$1.28
28690	BF4WS3TA3	MSPF	0.24	0.27	0.51	\$0.89	\$1.38	\$0.13	\$0.09	\$2.49
28796	BF5TA3BS2	MSPF	0.28	0.31	0.59	\$1.03	\$1.60	\$0.16	\$0.10	\$2.89
115407	BF4TA3WS2BS1	MSPF	1.12	1.25	2.37	\$4.15	\$6.42	\$0.63	\$0.40	\$11.60
30059	BS4BF3TA3	MSPF	0.19	0.16	0.34	\$0.60	\$1.06	\$0.08	\$0.06	\$1.80
30055	BS4BF3TA3	MSPF	0.06	0.05	0.12	\$0.21	\$0.37	\$0.03	\$0.02	\$0.63
33576	JP6TA4	MSPF	2.35	2.36	4.71	\$8.24	\$13.50	\$1.18	\$0.80	\$23.72
116405	JP6TA4	MSPF	0.00	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
116405	JP6TA4	MSPF	2.10	2.11	4.21	\$7.36	\$12.06	\$1.05	\$0.71	\$21.19
30044	BS4BF3TA3	MSPF	21.20	15.57	36.76	\$64.33	\$121.88	\$7.78	\$6.25	\$200.24
30317	BS4TL2TA2 BF1WB1	MSPF	84.32	60.19	144.52	\$252.90	\$484.86	\$30.10	\$24.57	\$792.43
29888	BS3BF3TA3 TL1	MSPF	61.33	43.49	104.82	\$183.43	\$352.65	\$21.74	\$17.82	\$575.65
30027	BS4BF3TA3	MSPF	5.15	3.63	8.79	\$15.38	\$29.63	\$1.82	\$1.49	\$48.32
33102	JP4TA4BS2	MSPF	117.54	82.44	199.97	\$349.95	\$675.83	\$41.22	\$34.00	\$1,101.00

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							Softwood (\$5.75/m ³)	Hardwood (\$0.50/m ³)		
40202	WS4TA4BF2	MSPF	67.19	40.99	108.18	\$189.31	\$386.35	\$20.49	\$18.39	\$614.55
28495	BF4TA4BS2	MSPF	115.41	79.95	195.36	\$341.87	\$663.58	\$39.98	\$33.21	\$1,078.64
33085	JP4TA3WS2 BF1	MSPF	76.11	52.57	128.68	\$225.19	\$437.66	\$26.28	\$21.88	\$711.01
36062	TA6BS2TL1 JP1	NSPF	0.08	0.05	0.12	\$0.21	\$0.44	\$0.02	\$0.02	\$0.70
36691	TA7BF2BS1	NSPF	0.04	0.02	0.06	\$0.10	\$0.20	\$0.01	\$0.01	\$0.32
36690	TA7BF2BS1	NSPF	1.06	0.62	1.68	\$2.94	\$6.09	\$0.31	\$0.29	\$9.63
37148	TA7WS2BF1	NSPF	0.70	0.41	1.11	\$1.94	\$4.01	\$0.20	\$0.19	\$6.34
36956	TA7JP1BF1 BS1	NSPF	3.93	2.14	6.07	\$10.62	\$22.59	\$1.07	\$1.03	\$35.32
37081	TA7JP3	NSPF	114.52	62.42	176.94	\$309.64	\$658.46	\$31.21	\$30.08	\$1,029.39
117338	TA7JP1BS1 TL1	NSPF	38.44	20.95	59.39	\$103.93	\$221.01	\$10.48	\$10.10	\$345.51
117386	TA7JP3	NSPF	29.33	15.99	45.32	\$79.30	\$168.64	\$7.99	\$7.70	\$263.64
27266	TA5WS5	NSPF	40.79	22.23	63.02	\$110.29	\$234.53	\$11.12	\$10.71	\$366.65
35216	TA5AS2BF2WS1	NSPF	4.24	2.31	6.56	\$11.48	\$24.41	\$1.16	\$1.11	\$38.16
35304	TA5BF2AS1WS1 BS1	NSPF	10.38	5.66	16.04	\$28.06	\$59.68	\$2.83	\$2.73	\$93.30
35338	TA5BF2WS2AS1	NSPF	0.32	0.18	0.50	\$0.87	\$1.85	\$0.09	\$0.08	\$2.90
35782	TA6BF2BS2	NSPF	3.96	2.16	6.12	\$10.72	\$22.79	\$1.08	\$1.04	\$35.63
35861	TA6BF2WS2	NSPF	6.77	3.69	10.46	\$18.31	\$38.93	\$1.85	\$1.78	\$60.86
36034	TA6BS2BF2	NSPF	4.20	2.29	6.49	\$11.35	\$24.14	\$1.14	\$1.10	\$37.74
36357	TA6WS2BF2	NSPF	15.73	8.57	24.30	\$42.53	\$90.44	\$4.29	\$4.13	\$141.39

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							Softwood (\$5.75/m ³)	Hardwood (\$0.50/m ³)		
36366	TA6WS2BF2	NSPF	11.11	6.05	17.16	\$30.03	\$63.86	\$3.03	\$2.92	\$99.84
36682	TA7BF2BS1	NSPF	20.53	11.19	31.72	\$55.51	\$118.05	\$5.60	\$5.39	\$184.55
36776	TA7BF2WS1	NSPF	43.72	23.83	67.56	\$118.22	\$251.41	\$11.92	\$11.48	\$393.03
36785	TA7BF2WS1	NSPF	11.76	6.41	18.17	\$31.80	\$67.61	\$3.20	\$3.09	\$105.70
36848	TA7BF3	NSPF	4.05	2.21	6.25	\$10.94	\$23.26	\$1.10	\$1.06	\$36.37
36856	TA7BF3	NSPF	29.61	16.14	45.76	\$80.08	\$170.29	\$8.07	\$7.78	\$266.21
37147	TA7WS2BF1	NSPF	13.73	7.48	21.21	\$37.12	\$78.94	\$3.74	\$3.61	\$123.40
117265	TA7BF2WS1	NSPF	12.70	6.92	19.62	\$34.33	\$73.01	\$3.46	\$3.34	\$114.14
117320	TA7BF3	NSPF	4.85	2.64	7.50	\$13.12	\$27.90	\$1.32	\$1.27	\$43.61
36988	TA7JP2BF1	NSPF	28.58	15.55	44.13	\$77.22	\$164.33	\$7.77	\$7.50	\$256.83
36675	TA7BF2BS1	NSPF	30.47	16.94	47.41	\$82.97	\$175.20	\$8.47	\$8.06	\$274.70
35845	TA6BF2WS2	NSPF	46.34	26.46	72.80	\$127.41	\$266.46	\$13.23	\$12.38	\$419.47
36660	TA7BF2BS1	NSPF	53.78	31.68	85.46	\$149.55	\$309.25	\$15.84	\$14.53	\$489.17
36807	TA7BF3	NSPF	50.45	29.72	80.17	\$140.30	\$290.11	\$14.86	\$13.63	\$458.90
36124	TA6JP2BF2	NSPF	115.46	72.90	188.36	\$329.64	\$663.91	\$36.45	\$32.02	\$1,062.02
36209	TA6JP3WS1	NSPF	151.07	95.39	246.46	\$431.30	\$868.66	\$47.69	\$41.90	\$1,389.55
36061	TA6BS2TL1 JP1	NSPF	4.07	2.57	6.63	\$11.61	\$23.38	\$1.28	\$1.13	\$37.41
36225	TA6JP4	NSPF	248.27	162.79	411.06	\$719.35	\$1,427.55	\$81.39	\$69.88	\$2,298.18
37052	TA7JP3	NSPF	60.03	40.93	100.96	\$176.68	\$345.16	\$20.47	\$17.16	\$559.48
37149	TA7WS2BS1	NSPF	0.01	0.01	0.01	\$0.02	\$0.05	\$0.00	\$0.00	\$0.08
35183	TA4TL3BA2 BS1	OTHHW	0.90	0.31	1.21	\$2.13	\$5.19	\$0.16	\$0.21	\$7.68

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							Softwood (\$5.75/m ³)	Hardwood (\$0.50/m ³)		
35184	TA4TL3BA2 BS1	OTHHW	2.76	0.95	3.71	\$6.50	\$15.87	\$0.48	\$0.63	\$23.47
35187	TA4TL3BA2 BS1	OTHHW	7.14	2.46	9.60	\$16.79	\$41.04	\$1.23	\$1.63	\$60.69
37109	TA7TL2BS1	OTHHW	11.51	9.40	20.91	\$36.60	\$66.19	\$4.70	\$3.55	\$111.04
36447	TA7AS1WS1BF1	OTHHW	43.80	52.18	95.98	\$167.97	\$251.87	\$26.09	\$16.32	\$462.24
36870	TA7BO3	OTHHW	1.45	1.73	3.18	\$5.56	\$8.33	\$0.86	\$0.54	\$15.30
38804	TL4BS2BA2 AS2	OTHSW	48.54	35.20	83.74	\$146.55	\$279.12	\$17.60	\$14.24	\$457.50
115920	BS6JP2TA2	SMIX	0.23	0.15	0.38	\$0.66	\$1.31	\$0.07	\$0.06	\$2.11
27629	BS7BF3	SMIX	2.60	1.71	4.31	\$7.55	\$14.97	\$0.86	\$0.73	\$24.10
27630	BS7BF3	SMIX	0.54	0.35	0.89	\$1.55	\$3.08	\$0.18	\$0.15	\$4.96
27636	BS7BF3	SMIX	0.52	0.34	0.85	\$1.49	\$2.96	\$0.17	\$0.15	\$4.77
31538	BS7BF3	SMIX	1.01	0.67	1.68	\$2.94	\$5.83	\$0.33	\$0.29	\$9.40
28870	BF5WS3BS2	SMIX	0.39	0.25	0.64	\$1.12	\$2.22	\$0.13	\$0.11	\$3.57
115373	BF4BS4JP1 TA1	SMIX	0.25	0.17	0.42	\$0.73	\$1.45	\$0.08	\$0.07	\$2.33
115602	BF6BS3TA1	SMIX	0.29	0.19	0.49	\$0.85	\$1.69	\$0.10	\$0.08	\$2.72
266216	BF4WS4TA2	SMIX	0.20	0.13	0.33	\$0.57	\$1.13	\$0.06	\$0.06	\$1.83
30345	BS4WS2BF2TL1 TA1	SMIX	0.06	0.04	0.10	\$0.17	\$0.33	\$0.02	\$0.02	\$0.53
31483	BS7BF2TA1	SMIX	0.17	0.12	0.29	\$0.50	\$0.98	\$0.06	\$0.05	\$1.58
30958	BS6JP2BF1 TA1	SMIX	1.14	0.78	1.91	\$3.35	\$6.54	\$0.39	\$0.33	\$10.60

Manitoba Hydro
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Forest Damage Appraisal and Valuation Calculations										
FID LWESI	Species Composition	Stratum	Softwood Volume (m ³)	Hardwood Volume (m ³)	Total Volume (m ³)	Crown Dues (\$1.75/m ³)	Forest Renewal Charge		Forest Protection Charge (\$0.17/m ³)	Total Timber Value (\$)
							Softwood (\$5.75/m ³)	Hardwood (\$0.50/m ³)		
31481	BS7BF2TA1	SMIX	0.13	0.09	0.21	\$0.37	\$0.72	\$0.04	\$0.04	\$1.17
30121	BS4BF4TA2	SMIX	0.45	0.31	0.76	\$1.33	\$2.60	\$0.15	\$0.13	\$4.22
115175	JP7BS3	SMIX	3.09	1.49	4.58	\$8.01	\$17.79	\$0.74	\$0.78	\$27.32
116267	JP5BS2BF2 TA1	SMIX	1.02	0.46	1.48	\$2.60	\$5.86	\$0.23	\$0.25	\$8.94
27138	BS7WS3	SMIX	3.35	1.52	4.88	\$8.53	\$19.28	\$0.76	\$0.83	\$29.40
30461	BS5BF5	SMIX	2.20	0.80	3.00	\$5.25	\$12.66	\$0.40	\$0.51	\$18.82
40239	WS6BS2BF1TA1	SMIX	28.54	7.53	36.07	\$63.12	\$164.10	\$3.76	\$6.13	\$237.11
29157	BF7BS3	SMIX	0.24	0.05	0.29	\$0.51	\$1.39	\$0.03	\$0.05	\$1.97
30843	BS6BF2TL1 TA1	SMIX	35.47	6.09	41.57	\$72.74	\$203.97	\$3.05	\$7.07	\$286.82
30499	BS5JP3BF2	SMIX	51.81	8.90	60.71	\$106.24	\$297.91	\$4.45	\$10.32	\$418.93
29900	BS3BF3WS2TA2	SMIX	5.52	0.95	6.47	\$11.32	\$31.75	\$0.47	\$1.10	\$44.65
30114	BS4BF4TA2	SMIX	31.21	5.36	36.57	\$64.00	\$179.46	\$2.68	\$6.22	\$252.36
30825	BS6BF2TA2	SMIX	29.90	4.98	34.88	\$61.03	\$171.92	\$2.49	\$5.93	\$241.37
28693	BF4WS4BS2	SMIX	61.50	10.56	72.07	\$126.12	\$353.64	\$5.28	\$12.25	\$497.29
30951	BS6JP2BF1 TA1	SMIX	18.62	3.10	21.72	\$38.01	\$107.06	\$1.55	\$3.69	\$150.31
31040	BS6JP4	SMIX	0.60	0.10	0.70	\$1.23	\$3.46	\$0.05	\$0.12	\$4.86
31453	BS7BF1TL1 TA1	SMIX	56.10	8.41	64.51	\$112.90	\$322.58	\$4.21	\$10.97	\$450.66
31480	BS7BF2TA1	SMIX	0.12	0.02	0.14	\$0.24	\$0.68	\$0.01	\$0.02	\$0.95
30150	BS4JP2BF2 TA2	SMIX	23.17	3.15	26.31	\$46.05	\$133.20	\$1.57	\$4.47	\$185.29

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Forest Damage Appraisal and Valuation Calculations										
FID LWESI	Species Composition	Stratum	Softwood Volume (m ³)	Hardwood Volume (m ³)	Total Volume (m ³)	Crown Dues (\$1.75/m ³)	Forest Renewal Charge		Forest Protection Charge (\$0.17/m ³)	Total Timber Value (\$)
							Softwood (\$5.75/m ³)	Hardwood (\$0.50/m ³)		
30999	BS6JP3BF1	SMIX	0.03	0.00	0.03	\$0.05	\$0.14	\$0.00	\$0.00	\$0.20
30457	BS5BF5	SMIX	8.50	1.23	9.73	\$17.02	\$48.86	\$0.62	\$1.65	\$68.15
30458	BS5BF5	SMIX	17.79	2.58	20.36	\$35.64	\$102.28	\$1.29	\$3.46	\$142.66
33178	JP5BS3TA2	SMIX	39.08	4.82	43.90	\$76.83	\$224.72	\$2.41	\$7.46	\$311.42
33744	JP7BS2TA1	SMIX	22.57	2.78	25.36	\$44.38	\$129.81	\$1.39	\$4.31	\$179.89
30344	BS4WS2BF2TL1 TA1	SMIX	106.60	10.03	116.63	\$204.10	\$612.94	\$5.02	\$19.83	\$841.88
27637	BS7TL3	STL	1.10	0.37	1.47	\$2.57	\$6.31	\$0.19	\$0.25	\$9.31
27641	BS7TL3	STL	0.16	0.05	0.21	\$0.37	\$0.91	\$0.03	\$0.04	\$1.34
27643	BS7TL3	STL	1.15	0.39	1.54	\$2.70	\$6.63	\$0.19	\$0.26	\$9.79
30615	BS5TL3TA2	STL	3.97	1.34	5.31	\$9.29	\$22.81	\$0.67	\$0.90	\$33.67
31387	BS6TL4	STL	0.47	0.16	0.63	\$1.11	\$2.73	\$0.08	\$0.11	\$4.02
31395	BS6TL4	STL	0.80	0.27	1.07	\$1.87	\$4.58	\$0.13	\$0.18	\$6.76
31900	BS7TL3	STL	1.78	0.60	2.38	\$4.17	\$10.25	\$0.30	\$0.41	\$15.13
31903	BS7TL3	STL	1.23	0.42	1.65	\$2.88	\$7.08	\$0.21	\$0.28	\$10.45
115244	SB7TL3	STL	1.98	0.67	2.65	\$4.63	\$11.37	\$0.33	\$0.45	\$16.78
30714	BS5TL5	STL	1.75	0.59	2.34	\$4.09	\$10.04	\$0.30	\$0.40	\$14.83
30697	BS5TL5	STL	0.12	0.04	0.15	\$0.27	\$0.67	\$0.02	\$0.03	\$0.98
31867	BS7TL3	STL	0.01	0.00	0.01	\$0.02	\$0.04	\$0.00	\$0.00	\$0.06
27528	BS7TL3	STL	0.61	0.21	0.82	\$1.44	\$3.52	\$0.10	\$0.14	\$5.20
31346	BS6TL4	STL	0.13	0.03	0.15	\$0.27	\$0.74	\$0.01	\$0.03	\$1.05
27358	BS7TL3	STL	3.16	0.63	3.80	\$6.64	\$18.19	\$0.32	\$0.65	\$25.80
27367	BS7TL3	STL	0.90	0.18	1.08	\$1.89	\$5.17	\$0.09	\$0.18	\$7.34

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Forest Damage Appraisal and Valuation Calculations										
FID LWESI	Species Composition	Stratum	Softwood Volume (m ³)	Hardwood Volume (m ³)	Total Volume (m ³)	Crown Dues (\$1.75/m ³)	Forest Renewal Charge		Forest Protection Charge (\$0.17/m ³)	Total Timber Value (\$)
							Softwood (\$5.75/m ³)	Hardwood (\$0.50/m ³)		
31343	BS6TL4	STL	0.26	0.05	0.31	\$0.55	\$1.49	\$0.03	\$0.05	\$2.12
27174	BS7TL3	STL	3.88	0.78	4.66	\$8.16	\$22.34	\$0.39	\$0.79	\$31.68
31850	BS7TL3	STL	0.16	0.02	0.18	\$0.32	\$0.92	\$0.01	\$0.03	\$1.28
31852	BS7TL3	STL	5.55	0.81	6.36	\$11.14	\$31.92	\$0.41	\$1.08	\$44.55
31329	BS6TL4	STL	0.46	0.04	0.50	\$0.88	\$2.64	\$0.02	\$0.09	\$3.63
31822	BS7TL3	STL	14.32	1.05	15.37	\$26.89	\$82.34	\$0.52	\$2.61	\$112.37
31308	BS6TL4	STL	5.86	0.43	6.29	\$11.00	\$33.67	\$0.21	\$1.07	\$45.96
31813	BS7TL3	STL	76.20	4.97	81.16	\$142.03	\$438.13	\$2.48	\$13.80	\$596.44
31297	BS6TL4	STL	72.54	4.26	76.80	\$134.40	\$417.10	\$2.13	\$13.06	\$566.69
31802	BS7TL3	STL	122.14	7.18	129.31	\$226.29	\$702.28	\$3.59	\$21.98	\$954.14
30678	BS5TL5	STL	80.07	4.27	84.34	\$147.60	\$460.41	\$2.14	\$14.34	\$624.49
31277	BS6TL4	STL	16.97	0.83	17.80	\$31.14	\$97.56	\$0.42	\$3.03	\$132.14
31246	BS6TL4	STL	123.99	4.21	128.21	\$224.36	\$712.96	\$2.11	\$21.80	\$961.23
30652	BS5TL5	STL	108.60	2.93	111.53	\$195.17	\$624.45	\$1.46	\$18.96	\$840.05
31723	BS7TL3	STL	15.43	0.42	15.85	\$27.73	\$88.72	\$0.21	\$2.69	\$119.36
31724	BS7TL3	STL	21.27	0.57	21.84	\$38.23	\$122.31	\$0.29	\$3.71	\$164.54
115890	BS5TL5	STL	0.77	0.02	0.79	\$1.38	\$4.42	\$0.01	\$0.13	\$5.95
116032	BS7TL3	STL	24.95	0.67	25.62	\$44.84	\$143.46	\$0.34	\$4.36	\$192.99
31172	BS6TL4	STL	23.67	0.47	24.14	\$42.25	\$136.11	\$0.24	\$4.10	\$182.70
31174	BS6TL4	STL	47.86	0.96	48.81	\$85.42	\$275.17	\$0.48	\$8.30	\$369.36
31664	BS7TL3	STL	154.07	3.08	157.15	\$275.01	\$885.91	\$1.54	\$26.72	\$1,189.18
38793	TL10	TLS	0.19	0.11	0.30	\$0.53	\$1.11	\$0.05	\$0.05	\$1.74
118012	TL9BS1	TLS	0.38	0.21	0.59	\$1.04	\$2.19	\$0.11	\$0.10	\$3.44

Manitoba Hydro
Lake Winnipeg East System Improvement Transmission Project

Forest Damage Appraisal and Valuation Calculations										
FID LWESI	Species Composition	Stratum	Softwood Volume (m ³)	Hardwood Volume (m ³)	Total Volume (m ³)	Crown Dues (\$1.75/m ³)	Forest Renewal Charge		Forest Protection Charge (\$0.17/m ³)	Total Timber Value (\$)
							Softwood (\$5.75/m ³)	Hardwood (\$0.50/m ³)		
38844	TL5BS3BA2	TLS	0.29	0.16	0.45	\$0.80	\$1.68	\$0.08	\$0.08	\$2.63
38857	TL5BS3TA2	TLS	0.34	0.19	0.53	\$0.93	\$1.96	\$0.09	\$0.09	\$3.07
39252	TL6BS4	TLS	0.09	0.05	0.14	\$0.24	\$0.51	\$0.02	\$0.02	\$0.79
39588	TL7BS3	TLS	2.04	1.13	3.17	\$5.55	\$11.72	\$0.57	\$0.54	\$18.37
39591	TL7BS3	TLS	0.67	0.37	1.04	\$1.83	\$3.86	\$0.19	\$0.18	\$6.05
39593	TL7BS3	TLS	0.04	0.02	0.06	\$0.10	\$0.22	\$0.01	\$0.01	\$0.34
39238	TL6BS4	TLS	0.02	0.01	0.02	\$0.04	\$0.09	\$0.00	\$0.00	\$0.14
27407	TL7BS3	TLS	3.22	1.11	4.33	\$7.57	\$18.52	\$0.55	\$0.74	\$27.39
27286	TL7BS3	TLS	3.36	1.15	4.51	\$7.89	\$19.30	\$0.58	\$0.77	\$28.54
27211	TL10	TLS	3.39	1.16	4.55	\$7.97	\$19.48	\$0.58	\$0.77	\$28.81
27213	TL10	TLS	3.53	1.21	4.74	\$8.29	\$20.29	\$0.61	\$0.81	\$29.99
27244	TL7BS3	TLS	0.07	0.02	0.09	\$0.16	\$0.39	\$0.01	\$0.02	\$0.58
38925	TL5BS5	TLS	0.17	0.04	0.21	\$0.37	\$0.97	\$0.02	\$0.04	\$1.39
Zs	TL7BS3	TLS	1.75	0.44	2.19	\$3.83	\$10.03	\$0.22	\$0.37	\$14.46
39546	TL7BS3	TLS	0.00	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
39547	TL7BS3	TLS	0.10	0.03	0.12	\$0.22	\$0.57	\$0.01	\$0.02	\$0.82
38924	TL5BS5	TLS	3.19	0.81	4.00	\$7.01	\$18.35	\$0.41	\$0.68	\$26.45
39188	TL6BS4	TLS	15.09	1.28	16.37	\$28.65	\$86.77	\$0.64	\$2.78	\$118.84
39514	TL7BS3	TLS	30.02	3.72	33.74	\$59.05	\$172.62	\$1.86	\$5.74	\$239.26
39624	TL8BA1AS1	TLS	24.49	2.64	27.13	\$47.48	\$140.83	\$1.32	\$4.61	\$194.24
39152	TL6BS4	TLS	2.79	0.24	3.03	\$5.31	\$16.07	\$0.12	\$0.52	\$22.01
39146	TL6BS4	TLS	17.93	1.35	19.28	\$33.74	\$103.08	\$0.68	\$3.28	\$140.77
38913	TL5BS5	TLS	17.16	1.16	18.32	\$32.07	\$98.66	\$0.58	\$3.11	\$134.43

Manitoba Hydro
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Forest Damage Appraisal and Valuation Calculations										
FID LWESI	Species Composition	Stratum	Softwood Volume (m ³)	Hardwood Volume (m ³)	Total Volume (m ³)	Crown Dues (\$1.75/m ³)	Forest Renewal Charge		Forest Protection Charge (\$0.17/m ³)	Total Timber Value (\$)
							Softwood (\$5.75/m ³)	Hardwood (\$0.50/m ³)		
38730	TL10	TLS	27.68	1.69	29.37	\$51.40	\$159.16	\$0.85	\$4.99	\$216.40
38897	TL5BS5	TLS	100.55	4.57	105.12	\$183.96	\$578.15	\$2.29	\$17.87	\$782.27
39007	TL6BS3TA1	TLS	32.87	1.49	34.36	\$60.13	\$188.98	\$0.75	\$5.84	\$255.70
39413	TL7BS3	TLS	51.58	1.96	53.54	\$93.70	\$296.58	\$0.98	\$9.10	\$400.37
38666	TL10	TLS	27.24	0.87	28.11	\$49.19	\$156.62	\$0.43	\$4.78	\$211.02
39079	TL6BS4	TLS	125.69	4.01	129.69	\$226.96	\$722.69	\$2.00	\$22.05	\$973.70
39080	TL6BS4	TLS	38.82	1.24	40.06	\$70.10	\$223.21	\$0.62	\$6.81	\$300.73
38585	TL10	TLS	0.15	0.00	0.15	\$0.27	\$0.85	\$0.00	\$0.03	\$1.14
39951	TL9BS1	TLS	62.81	1.68	64.50	\$112.87	\$361.17	\$0.84	\$10.96	\$486.85
117639	TA8JP1BF1	HWD	8.90	35.67	44.57	\$78.00	\$51.18	\$17.84	\$7.58	\$154.58
117656	TA8JP1BF1	HWD	8.22	32.97	41.19	\$72.08	\$47.27	\$16.49	\$7.00	\$142.83
117796	TA9BF1	HWD	13.18	80.15	93.33	\$163.33	\$75.79	\$40.08	\$15.87	\$295.05
116916	TA6BA2BF2	HWD	13.12	81.32	94.44	\$165.27	\$75.44	\$40.66	\$16.05	\$297.42
116917	TA6BA2BF2	HWD	13.50	83.72	97.22	\$170.14	\$77.63	\$41.86	\$16.53	\$306.15
39958	TL9BS1	TLS	34.68	0.93	35.61	\$62.32	\$199.42	\$0.47	\$6.05	\$268.26
39030	TL6BS4	TLS	13.89	0.37	14.26	\$24.95	\$79.84	\$0.19	\$2.42	\$107.40
39351	TL7BS3	TLS	26.11	0.70	26.81	\$46.92	\$150.15	\$0.35	\$4.56	\$201.98
39674	TL8BS2	TLS	14.56	0.28	14.85	\$25.98	\$83.73	\$0.14	\$2.52	\$112.38
31995	BS8BF2	UBS	0.56	0.06	0.61	\$1.08	\$3.21	\$0.03	\$0.10	\$4.42
27297	BS10	UBS	0.79	0.04	0.82	\$1.44	\$4.53	\$0.02	\$0.14	\$6.14
115131	BS10	UBS	3.12	0.14	3.26	\$5.70	\$17.93	\$0.07	\$0.55	\$24.25
27066	BS10	UBS	0.61	0.03	0.64	\$1.11	\$3.50	\$0.01	\$0.11	\$4.73
115084	BS10	UBS	1.02	0.05	1.07	\$1.88	\$5.89	\$0.02	\$0.18	\$7.97

Manitoba Hydro
Lake Winnipeg East System Improvement Transmission Project

Forest Damage Appraisal and Valuation Calculations											
FID LWESI	Species Composition	Stratum	Softwood Volume (m ³)	Hardwood Volume (m ³)	Total Volume (m ³)	Crown Dues (\$1.75/m ³)	Forest Renewal Charge		Forest Protection Charge (\$0.17/m ³)	Total Timber Value (\$)	
							Softwood (\$5.75/m ³)	Hardwood (\$0.50/m ³)			
32071	BS8TA2	UBS	24.71	0.28	24.99	\$43.74	\$142.11	\$0.14	\$4.25	\$190.23	
Total Preferred Route			6,495.56	4,860.92	11,356.47	\$19,873.83	\$37,349.44	\$2,430.46	\$1,930.60	\$61,584.33	
Final Preferred Route Adjustment											
Deleted from Final Preferred Route											
507093	TA5BA3AS2	HWD	1.47	8.13	9.60	\$16.80	\$8.45	\$4.07	\$1.63	\$30.95	
498843	TA10	HWD	7.49	3.56	11.05	\$19.34	\$43.09	\$1.78	\$1.88	\$66.09	
506731	BS10	LBS	0.30	0.69	0.99	\$1.74	\$1.73	\$0.35	\$0.17	\$3.98	
Deleted from Final Preferred Route			9.26	12.38	21.65	\$37.88	-\$53.26	-\$6.19	-\$3.68	-\$101.01	
Added to Final Preferred Route											
506731	BS10	LBS	1.22	2.80	4.01	\$7.03	\$6.99	\$1.40	\$0.68	\$16.10	
Added to Final Preferred Route			1.22	2.80	4.01	\$7.03	\$6.99	\$1.40	\$0.68	\$16.10	
Total Final Preferred Route			6,487.51	4,851.33	11,338.84	\$19,842.97	\$37,303.17	\$2,425.67	\$1,927.60	\$61,499.42	
										Plantation (ha)	23.39
										Plantation (\$)	\$882.35
										Plantation Total	\$20,638.17
										Total Forest Damage Appraisal & Valuation Estimate	\$82,137.58

Appendix F **Manitoba Conservation and Water
Stewardship Conventional Standard,
Tree Length Strata Yield Table**

MCWS Conventional Standard, Tree Length Strata Yield Table				
Stratum	Density Class	Age Class	Softwood Volume (m ³ /ha)	Hardwood Volume (m ³ /ha)
ASH	100	0	0.00	0.00
ASH	100	5	0.55	0.27
ASH	100	10	2.27	1.49
ASH	100	15	4.80	3.97
ASH	100	20	7.64	7.85
ASH	100	25	10.39	13.15
ASH	100	30	12.74	19.77
ASH	100	35	14.52	27.50
ASH	100	40	15.66	36.10
ASH	100	45	16.16	45.27
ASH	100	50	16.11	54.72
ASH	100	55	15.59	64.16
ASH	100	60	14.73	73.34
ASH	100	65	13.63	82.05
ASH	100	70	12.39	90.12
ASH	100	75	11.09	97.42
ASH	100	80	9.80	103.88
ASH	100	85	8.57	109.44
ASH	100	90	7.41	114.10
ASH	100	95	6.35	117.85
ASH	100	100	5.40	120.74
ASH	100	105	4.56	122.79
ASH	100	110	3.83	124.07
ASH	100	115	3.20	124.63
ASH	100	120	2.66	124.53
ASH	100	125	2.20	123.84
ASH	100	130	1.81	122.62
ASH	100	135	1.48	120.93
ASH	100	140	1.21	118.83
ASH	100	145	0.99	116.38
ASH	100	150	0.80	113.63
ASH	100	155	0.65	110.64
ASH	100	160	0.53	107.43
ASH	100	165	0.42	104.06
ASH	100	170	0.34	100.57
ASH	100	175	0.27	96.99
ASH	100	180	0.22	93.35
ASH	100	185	0.18	89.67

MCWS Conventional Standard, Tree Length Strata Yield Table				
Stratum	Density Class	Age Class	Softwood Volume (m ³ /ha)	Hardwood Volume (m ³ /ha)
ASH	100	190	0.14	85.99
ASH	100	195	0.11	82.32
ASH	100	200	0.09	78.68
BF	1	0	0.00	0.00
BF	1	5	0.35	0.23
BF	1	10	1.65	0.75
BF	1	15	3.90	1.42
BF	1	20	6.99	2.13
BF	1	25	10.73	2.83
BF	1	30	14.96	3.49
BF	1	35	19.52	4.07
BF	1	40	24.26	4.58
BF	1	45	29.05	4.99
BF	1	50	33.80	5.32
BF	1	55	38.40	5.56
BF	1	60	42.79	5.72
BF	1	65	46.91	5.81
BF	1	70	50.72	5.84
BF	1	75	54.19	5.81
BF	1	80	57.29	5.73
BF	1	85	60.03	5.62
BF	1	90	62.38	5.47
BF	1	95	64.37	5.29
BF	1	100	65.99	5.10
BF	1	105	67.25	4.89
BF	1	110	68.18	4.66
BF	1	115	68.79	4.43
BF	1	120	69.10	4.20
BF	1	125	69.13	3.97
BF	1	130	68.91	3.73
BF	1	135	68.45	3.51
BF	1	140	67.77	3.28
BF	1	145	66.91	3.07
BF	1	150	65.87	2.86
BF	1	155	64.69	2.66
BF	1	160	63.37	2.47
BF	1	165	61.93	2.29
BF	1	170	60.41	2.12

MCWS Conventional Standard, Tree Length Strata Yield Table				
Stratum	Density Class	Age Class	Softwood Volume (m ³ /ha)	Hardwood Volume (m ³ /ha)
BF	1	175	58.80	1.96
BF	1	180	57.12	1.81
BF	1	185	55.40	1.66
BF	1	190	53.63	1.53
BF	1	195	51.84	1.41
BF	1	200	50.04	1.29
BF	2	0	0.00	0.00
BF	2	5	0.63	0.43
BF	2	10	3.27	1.57
BF	2	15	8.04	3.06
BF	2	20	14.60	4.62
BF	2	25	22.48	6.09
BF	2	30	31.18	7.36
BF	2	35	40.25	8.39
BF	2	40	49.29	9.15
BF	2	45	57.98	9.65
BF	2	50	66.08	9.91
BF	2	55	73.41	9.97
BF	2	60	79.85	9.85
BF	2	65	85.33	9.59
BF	2	70	89.81	9.23
BF	2	75	93.31	8.78
BF	2	80	95.84	8.27
BF	2	85	97.48	7.73
BF	2	90	98.26	7.18
BF	2	95	98.28	6.62
BF	2	100	97.61	6.06
BF	2	105	96.33	5.53
BF	2	110	94.52	5.02
BF	2	115	92.26	4.53
BF	2	120	89.62	4.08
BF	2	125	86.68	3.66
BF	2	130	83.49	3.27
BF	2	135	80.12	2.91
BF	2	140	76.62	2.59
BF	2	145	73.04	2.29
BF	2	150	69.41	2.02
BF	2	155	65.78	1.78

MCWS Conventional Standard, Tree Length Strata Yield Table				
Stratum	Density Class	Age Class	Softwood Volume (m³/ha)	Hardwood Volume (m³/ha)
BF	2	160	62.18	1.57
BF	2	165	58.63	1.38
BF	2	170	55.16	1.21
BF	2	175	51.78	1.06
BF	2	180	48.51	0.92
BF	2	185	45.36	0.80
BF	2	190	42.33	0.70
BF	2	195	39.44	0.61
BF	2	200	36.69	0.53
HWD	1	0	0.00	0.00
HWD	1	5	0.84	0.26
HWD	1	10	3.51	1.21
HWD	1	15	7.44	2.99
HWD	1	20	11.88	5.64
HWD	1	25	16.18	9.16
HWD	1	30	19.85	13.47
HWD	1	35	22.59	18.45
HWD	1	40	24.27	23.91
HWD	1	45	24.89	29.65
HWD	1	50	24.55	35.42
HWD	1	55	23.43	40.99
HWD	1	60	21.72	46.15
HWD	1	65	19.65	50.72
HWD	1	70	17.38	54.56
HWD	1	75	15.08	57.61
HWD	1	80	12.86	59.83
HWD	1	85	10.80	61.23
HWD	1	90	8.95	61.85
HWD	1	95	7.33	61.77
HWD	1	100	5.94	61.06
HWD	1	105	4.77	59.82
HWD	1	110	3.80	58.14
HWD	1	115	3.00	56.11
HWD	1	120	2.36	53.80
HWD	1	125	1.84	51.30
HWD	1	130	1.43	48.68
HWD	1	135	1.10	45.97
HWD	1	140	0.85	43.24

MCWS Conventional Standard, Tree Length Strata Yield Table				
Stratum	Density Class	Age Class	Softwood Volume (m³/ha)	Hardwood Volume (m³/ha)
HWD	1	145	0.65	40.52
HWD	1	150	0.50	37.84
HWD	1	155	0.38	35.23
HWD	1	160	0.29	32.70
HWD	1	165	0.22	30.28
HWD	1	170	0.16	27.97
HWD	1	175	0.12	25.78
HWD	1	180	0.09	23.70
HWD	1	185	0.07	21.76
HWD	1	190	0.05	19.93
HWD	1	195	0.04	18.23
HWD	1	200	0.03	16.65
HWD	2	0	0.00	0.00
HWD	2	5	0.41	0.86
HWD	2	10	1.68	4.65
HWD	2	15	3.58	11.72
HWD	2	20	5.89	21.65
HWD	2	25	8.43	33.79
HWD	2	30	11.02	47.42
HWD	2	35	13.55	61.83
HWD	2	40	15.94	76.43
HWD	2	45	18.12	90.70
HWD	2	50	20.06	104.23
HWD	2	55	21.72	116.71
HWD	2	60	23.10	127.91
HWD	2	65	24.20	137.69
HWD	2	70	25.04	145.96
HWD	2	75	25.62	152.72
HWD	2	80	25.97	157.96
HWD	2	85	26.09	161.75
HWD	2	90	26.03	164.16
HWD	2	95	25.80	165.30
HWD	2	100	25.41	165.25
HWD	2	105	24.90	164.16
HWD	2	110	24.28	162.12
HWD	2	115	23.57	159.26
HWD	2	120	22.79	155.70
HWD	2	125	21.95	151.54

MCWS Conventional Standard, Tree Length Strata Yield Table				
Stratum	Density Class	Age Class	Softwood Volume (m ³ /ha)	Hardwood Volume (m ³ /ha)
HWD	2	130	21.07	146.89
HWD	2	135	20.17	141.84
HWD	2	140	19.24	136.49
HWD	2	145	18.31	130.91
HWD	2	150	17.38	125.18
HWD	2	155	16.46	119.36
HWD	2	160	15.55	113.51
HWD	2	165	14.66	107.67
HWD	2	170	13.80	101.90
HWD	2	175	12.96	96.22
HWD	2	180	12.15	90.67
HWD	2	185	11.37	85.28
HWD	2	190	10.63	80.05
HWD	2	195	9.92	75.01
HWD	2	200	9.25	70.17
JP	100	0	0.00	0.00
JP	100	5	0.43	0.89
JP	100	10	2.57	3.47
JP	100	15	7.25	6.57
JP	100	20	14.74	9.04
JP	100	25	24.68	10.31
JP	100	30	36.27	10.37
JP	100	35	48.53	9.52
JP	100	40	60.57	8.17
JP	100	45	71.69	6.66
JP	100	50	81.44	5.22
JP	100	55	89.57	3.96
JP	100	60	96.01	2.93
JP	100	65	100.78	2.13
JP	100	70	103.99	1.52
JP	100	75	105.77	1.07
JP	100	80	106.29	0.74
JP	100	85	105.69	0.51
JP	100	90	104.15	0.35
JP	100	95	101.82	0.24
JP	100	100	98.85	0.16
JP	100	105	95.36	0.11
JP	100	110	91.47	0.07

MCWS Conventional Standard, Tree Length Strata Yield Table				
Stratum	Density Class	Age Class	Softwood Volume (m ³ /ha)	Hardwood Volume (m ³ /ha)
JP	100	115	87.30	0.05
JP	100	120	82.93	0.03
JP	100	125	78.44	0.02
JP	100	130	73.90	0.01
JP	100	135	69.38	0.01
JP	100	140	64.91	0.01
JP	100	145	60.55	0.00
JP	100	150	56.31	0.00
JP	100	155	52.23	0.00
JP	100	160	48.32	0.00
JP	100	165	44.60	0.00
JP	100	170	41.08	0.00
JP	100	175	37.75	0.00
JP	100	180	34.63	0.00
JP	100	185	31.70	0.00
JP	100	190	28.97	0.00
JP	100	195	26.43	0.00
JP	100	200	24.07	0.00
LBS	100	0	0.00	0.00
LBS	100	5	0.11	0.36
LBS	100	10	0.60	1.38
LBS	100	15	1.63	2.82
LBS	100	20	3.38	4.38
LBS	100	25	5.92	5.79
LBS	100	30	9.30	6.88
LBS	100	35	13.46	7.55
LBS	100	40	18.31	7.79
LBS	100	45	23.66	7.65
LBS	100	50	29.34	7.21
LBS	100	55	35.17	6.58
LBS	100	60	41.00	5.84
LBS	100	65	46.68	5.07
LBS	100	70	52.12	4.31
LBS	100	75	57.25	3.61
LBS	100	80	62.02	2.98
LBS	100	85	66.39	2.44
LBS	100	90	70.36	1.97
LBS	100	95	73.92	1.58

MCWS Conventional Standard, Tree Length Strata Yield Table				
Stratum	Density Class	Age Class	Softwood Volume (m ³ /ha)	Hardwood Volume (m ³ /ha)
LBS	100	100	77.08	1.26
LBS	100	105	79.84	0.99
LBS	100	110	82.21	0.78
LBS	100	115	84.22	0.61
LBS	100	120	85.88	0.48
LBS	100	125	87.20	0.37
LBS	100	130	88.20	0.29
LBS	100	135	88.91	0.22
LBS	100	140	89.34	0.17
LBS	100	145	89.51	0.13
LBS	100	150	89.44	0.10
LBS	100	155	89.14	0.08
LBS	100	160	88.64	0.06
LBS	100	165	87.94	0.04
LBS	100	170	87.08	0.03
LBS	100	175	86.06	0.02
LBS	100	180	84.89	0.02
LBS	100	185	83.60	0.01
LBS	100	190	82.20	0.01
LBS	100	195	80.70	0.01
LBS	100	200	79.11	0.01
MSPF	1	0	0.00	0.00
MSPF	1	5	0.41	0.46
MSPF	1	10	1.90	1.91
MSPF	1	15	4.43	4.16
MSPF	1	20	7.84	6.94
MSPF	1	25	11.91	9.98
MSPF	1	30	16.44	13.10
MSPF	1	35	21.22	16.12
MSPF	1	40	26.09	18.92
MSPF	1	45	30.90	21.43
MSPF	1	50	35.53	23.59
MSPF	1	55	39.89	25.37
MSPF	1	60	43.90	26.78
MSPF	1	65	47.51	27.81
MSPF	1	70	50.69	28.49
MSPF	1	75	53.43	28.84
MSPF	1	80	55.71	28.90

MCWS Conventional Standard, Tree Length Strata Yield Table				
Stratum	Density Class	Age Class	Softwood Volume (m³/ha)	Hardwood Volume (m³/ha)
MSPF	1	85	57.54	28.69
MSPF	1	90	58.92	28.25
MSPF	1	95	59.89	27.62
MSPF	1	100	60.46	26.83
MSPF	1	105	60.67	25.90
MSPF	1	110	60.53	24.87
MSPF	1	115	60.09	23.77
MSPF	1	120	59.37	22.61
MSPF	1	125	58.40	21.42
MSPF	1	130	57.22	20.21
MSPF	1	135	55.86	19.01
MSPF	1	140	54.34	17.81
MSPF	1	145	52.69	16.64
MSPF	1	150	50.94	15.50
MSPF	1	155	49.11	14.40
MSPF	1	160	47.21	13.34
MSPF	1	165	45.28	12.34
MSPF	1	170	43.33	11.38
MSPF	1	175	41.36	10.47
MSPF	1	180	39.40	9.62
MSPF	1	185	37.46	8.81
MSPF	1	190	35.55	8.06
MSPF	1	195	33.67	7.37
MSPF	1	200	31.84	6.72
MSPF	2	0	0.00	0.00
MSPF	2	5	0.53	0.45
MSPF	2	10	2.59	2.08
MSPF	2	15	6.27	4.86
MSPF	2	20	11.34	8.59
MSPF	2	25	17.52	13.04
MSPF	2	30	24.47	17.97
MSPF	2	35	31.90	23.17
MSPF	2	40	39.53	28.45
MSPF	2	45	47.14	33.65
MSPF	2	50	54.52	38.66
MSPF	2	55	61.51	43.36
MSPF	2	60	68.01	47.70
MSPF	2	65	73.92	51.60

MCWS Conventional Standard, Tree Length Strata Yield Table				
Stratum	Density Class	Age Class	Softwood Volume (m ³ /ha)	Hardwood Volume (m ³ /ha)
MSPF	2	70	79.18	55.05
MSPF	2	75	83.75	58.02
MSPF	2	80	87.63	60.52
MSPF	2	85	90.81	62.53
MSPF	2	90	93.31	64.09
MSPF	2	95	95.15	65.21
MSPF	2	100	96.38	65.91
MSPF	2	105	97.02	66.23
MSPF	2	110	97.12	66.19
MSPF	2	115	96.73	65.84
MSPF	2	120	95.90	65.19
MSPF	2	125	94.67	64.28
MSPF	2	130	93.09	63.14
MSPF	2	135	91.20	61.81
MSPF	2	140	89.05	60.31
MSPF	2	145	86.68	58.67
MSPF	2	150	84.13	56.92
MSPF	2	155	81.43	55.07
MSPF	2	160	78.62	53.15
MSPF	2	165	75.72	51.18
MSPF	2	170	72.77	49.17
MSPF	2	175	69.78	47.15
MSPF	2	180	66.78	45.13
MSPF	2	185	63.79	43.11
MSPF	2	190	60.82	41.11
MSPF	2	195	57.90	39.14
MSPF	2	200	55.02	37.20
NSPF	100	0	0.00	0.00
NSPF	100	5	0.85	0.76
NSPF	100	10	3.93	3.77
NSPF	100	15	8.85	9.00
NSPF	100	20	14.89	15.95
NSPF	100	25	21.35	24.02
NSPF	100	30	27.66	32.61
NSPF	100	35	33.40	41.21
NSPF	100	40	38.32	49.42
NSPF	100	45	42.25	56.93
NSPF	100	50	45.17	63.53

MCWS Conventional Standard, Tree Length Strata Yield Table				
Stratum	Density Class	Age Class	Softwood Volume (m ³ /ha)	Hardwood Volume (m ³ /ha)
NSPF	100	55	47.08	69.09
NSPF	100	60	48.05	73.55
NSPF	100	65	48.19	76.91
NSPF	100	70	47.60	79.19
NSPF	100	75	46.42	80.46
NSPF	100	80	44.75	80.81
NSPF	100	85	42.71	80.34
NSPF	100	90	40.40	79.14
NSPF	100	95	37.91	77.33
NSPF	100	100	35.32	75.01
NSPF	100	105	32.70	72.28
NSPF	100	110	30.09	69.23
NSPF	100	115	27.54	65.93
NSPF	100	120	25.07	62.48
NSPF	100	125	22.73	58.93
NSPF	100	130	20.51	55.34
NSPF	100	135	18.44	51.76
NSPF	100	140	16.52	48.23
NSPF	100	145	14.75	44.79
NSPF	100	150	13.12	41.45
NSPF	100	155	11.64	38.25
NSPF	100	160	10.30	35.19
NSPF	100	165	9.08	32.29
NSPF	100	170	7.99	29.55
NSPF	100	175	7.02	26.97
NSPF	100	180	6.15	24.57
NSPF	100	185	5.37	22.33
NSPF	100	190	4.69	20.25
NSPF	100	195	4.08	18.33
NSPF	100	200	3.54	16.56
NSPF1	100	0	0.00	0.00
NSPF1	100	5	1.45	0.85
NSPF1	100	10	7.43	4.05
NSPF1	100	15	17.54	9.38
NSPF1	100	20	30.19	16.19
NSPF1	100	25	43.71	23.78
NSPF1	100	30	56.70	31.52
NSPF1	100	35	68.19	38.94

MCWS Conventional Standard, Tree Length Strata Yield Table				
Stratum	Density Class	Age Class	Softwood Volume (m ³ /ha)	Hardwood Volume (m ³ /ha)
NSPF1	100	40	77.56	45.68
NSPF1	100	45	84.56	51.50
NSPF1	100	50	89.12	56.27
NSPF1	100	55	91.40	59.93
NSPF1	100	60	91.64	62.49
NSPF1	100	65	90.13	64.00
NSPF1	100	70	87.20	64.56
NSPF1	100	75	83.18	64.26
NSPF1	100	80	78.35	63.22
NSPF1	100	85	73.00	61.55
NSPF1	100	90	67.34	59.39
NSPF1	100	95	61.58	56.82
NSPF1	100	100	55.85	53.96
NSPF1	100	105	50.29	50.89
NSPF1	100	110	44.99	47.70
NSPF1	100	115	39.99	44.44
NSPF1	100	120	35.35	41.19
NSPF1	100	125	31.08	37.99
NSPF1	100	130	27.19	34.88
NSPF1	100	135	23.68	31.88
NSPF1	100	140	20.53	29.02
NSPF1	100	145	17.73	26.32
NSPF1	100	150	15.26	23.78
NSPF1	100	155	13.08	21.41
NSPF1	100	160	11.17	19.22
NSPF1	100	165	9.52	17.20
NSPF1	100	170	8.08	15.35
NSPF1	100	175	6.84	13.66
NSPF1	100	180	5.77	12.12
NSPF1	100	185	4.86	10.73
NSPF1	100	190	4.08	9.47
NSPF1	100	195	3.42	8.35
NSPF1	100	200	2.86	7.34
NSPF2	100	0	0.00	0.00
NSPF2	100	5	0.79	0.58
NSPF2	100	10	3.32	3.03
NSPF2	100	15	7.04	7.58
NSPF2	100	20	11.21	13.99

MCWS Conventional Standard, Tree Length Strata Yield Table				
Stratum	Density Class	Age Class	Softwood Volume (m³/ha)	Hardwood Volume (m³/ha)
NSPF2	100	25	15.25	21.88
NSPF2	100	30	18.75	30.74
NSPF2	100	35	21.48	40.11
NSPF2	100	40	23.36	49.53
NSPF2	100	45	24.40	58.61
NSPF2	100	50	24.68	67.03
NSPF2	100	55	24.31	74.55
NSPF2	100	60	23.42	81.02
NSPF2	100	65	22.15	86.32
NSPF2	100	70	20.60	90.42
NSPF2	100	75	18.90	93.34
NSPF2	100	80	17.13	95.11
NSPF2	100	85	15.36	95.81
NSPF2	100	90	13.63	95.55
NSPF2	100	95	12.00	94.42
NSPF2	100	100	10.48	92.55
NSPF2	100	105	9.09	90.05
NSPF2	100	110	7.83	87.04
NSPF2	100	115	6.71	83.62
NSPF2	100	120	5.72	79.89
NSPF2	100	125	4.85	75.94
NSPF2	100	130	4.10	71.85
NSPF2	100	135	3.45	67.69
NSPF2	100	140	2.89	63.52
NSPF2	100	145	2.41	59.39
NSPF2	100	150	2.01	55.34
NSPF2	100	155	1.66	51.40
NSPF2	100	160	1.38	47.60
NSPF2	100	165	1.14	43.97
NSPF2	100	170	0.94	40.50
NSPF2	100	175	0.77	37.22
NSPF2	100	180	0.63	34.13
NSPF2	100	185	0.52	31.23
NSPF2	100	190	0.42	28.52
NSPF2	100	195	0.34	26.00
NSPF2	100	200	0.28	23.66
OTHHW	100	0	0.00	0.00
OTHHW	100	5	0.84	0.26

MCWS Conventional Standard, Tree Length Strata Yield Table				
Stratum	Density Class	Age Class	Softwood Volume (m³/ha)	Hardwood Volume (m³/ha)
OTHHW	100	10	3.51	1.21
OTHHW	100	15	7.44	2.99
OTHHW	100	20	11.88	5.64
OTHHW	100	25	16.18	9.16
OTHHW	100	30	19.85	13.47
OTHHW	100	35	22.59	18.45
OTHHW	100	40	24.27	23.91
OTHHW	100	45	24.89	29.65
OTHHW	100	50	24.55	35.42
OTHHW	100	55	23.43	40.99
OTHHW	100	60	21.72	46.15
OTHHW	100	65	19.65	50.72
OTHHW	100	70	17.38	54.56
OTHHW	100	75	15.08	57.61
OTHHW	100	80	12.86	59.83
OTHHW	100	85	10.80	61.23
OTHHW	100	90	8.95	61.85
OTHHW	100	95	7.33	61.77
OTHHW	100	100	5.94	61.06
OTHHW	100	105	4.77	59.82
OTHHW	100	110	3.80	58.14
OTHHW	100	115	3.00	56.11
OTHHW	100	120	2.36	53.80
OTHHW	100	125	1.84	51.30
OTHHW	100	130	1.43	48.68
OTHHW	100	135	1.10	45.97
OTHHW	100	140	0.85	43.24
OTHHW	100	145	0.65	40.52
OTHHW	100	150	0.50	37.84
OTHHW	100	155	0.38	35.23
OTHHW	100	160	0.29	32.70
OTHHW	100	165	0.22	30.28
OTHHW	100	170	0.16	27.97
OTHHW	100	175	0.12	25.78
OTHHW	100	180	0.09	23.70
OTHHW	100	185	0.07	21.76
OTHHW	100	190	0.05	19.93
OTHHW	100	195	0.04	18.23

MCWS Conventional Standard, Tree Length Strata Yield Table				
Stratum	Density Class	Age Class	Softwood Volume (m ³ /ha)	Hardwood Volume (m ³ /ha)
OTHHW	100	200	0.03	16.65
OTHSW	100	0	0.00	0.00
OTHSW	100	5	0.41	0.46
OTHSW	100	10	1.90	1.91
OTHSW	100	15	4.43	4.16
OTHSW	100	20	7.84	6.94
OTHSW	100	25	11.91	9.98
OTHSW	100	30	16.44	13.10
OTHSW	100	35	21.22	16.12
OTHSW	100	40	26.09	18.92
OTHSW	100	45	30.90	21.43
OTHSW	100	50	35.53	23.59
OTHSW	100	55	39.89	25.37
OTHSW	100	60	43.90	26.78
OTHSW	100	65	47.51	27.81
OTHSW	100	70	50.69	28.49
OTHSW	100	75	53.43	28.84
OTHSW	100	80	55.71	28.90
OTHSW	100	85	57.54	28.69
OTHSW	100	90	58.92	28.25
OTHSW	100	95	59.89	27.62
OTHSW	100	100	60.46	26.83
OTHSW	100	105	60.67	25.90
OTHSW	100	110	60.53	24.87
OTHSW	100	115	60.09	23.77
OTHSW	100	120	59.37	22.61
OTHSW	100	125	58.40	21.42
OTHSW	100	130	57.22	20.21
OTHSW	100	135	55.86	19.01
OTHSW	100	140	54.34	17.81
OTHSW	100	145	52.69	16.64
OTHSW	100	150	50.94	15.50
OTHSW	100	155	49.11	14.40
OTHSW	100	160	47.21	13.34
OTHSW	100	165	45.28	12.34
OTHSW	100	170	43.33	11.38
OTHSW	100	175	41.36	10.47
OTHSW	100	180	39.40	9.62

MCWS Conventional Standard, Tree Length Strata Yield Table				
Stratum	Density Class	Age Class	Softwood Volume (m ³ /ha)	Hardwood Volume (m ³ /ha)
OTHSW	100	185	37.46	8.81
OTHSW	100	190	35.55	8.06
OTHSW	100	195	33.67	7.37
OTHSW	100	200	31.84	6.72
SMIX	1	0	0.00	0.00
SMIX	1	5	0.35	0.23
SMIX	1	10	1.65	0.75
SMIX	1	15	3.90	1.42
SMIX	1	20	6.99	2.13
SMIX	1	25	10.73	2.83
SMIX	1	30	14.96	3.49
SMIX	1	35	19.52	4.07
SMIX	1	40	24.26	4.58
SMIX	1	45	29.05	4.99
SMIX	1	50	33.80	5.32
SMIX	1	55	38.40	5.56
SMIX	1	60	42.79	5.72
SMIX	1	65	46.91	5.81
SMIX	1	70	50.72	5.84
SMIX	1	75	54.19	5.81
SMIX	1	80	57.29	5.73
SMIX	1	85	60.03	5.62
SMIX	1	90	62.38	5.47
SMIX	1	95	64.37	5.29
SMIX	1	100	65.99	5.10
SMIX	1	105	67.25	4.89
SMIX	1	110	68.18	4.66
SMIX	1	115	68.79	4.43
SMIX	1	120	69.10	4.20
SMIX	1	125	69.13	3.97
SMIX	1	130	68.91	3.73
SMIX	1	135	68.45	3.51
SMIX	1	140	67.77	3.28
SMIX	1	145	66.91	3.07
SMIX	1	150	65.87	2.86
SMIX	1	155	64.69	2.66
SMIX	1	160	63.37	2.47
SMIX	1	165	61.93	2.29

MCWS Conventional Standard, Tree Length Strata Yield Table				
Stratum	Density Class	Age Class	Softwood Volume (m³/ha)	Hardwood Volume (m³/ha)
SMIX	1	170	60.41	2.12
SMIX	1	175	58.80	1.96
SMIX	1	180	57.12	1.81
SMIX	1	185	55.40	1.66
SMIX	1	190	53.63	1.53
SMIX	1	195	51.84	1.41
SMIX	1	200	50.04	1.29
SMIX	2	0	0.00	0.00
SMIX	2	5	0.63	0.43
SMIX	2	10	3.27	1.57
SMIX	2	15	8.04	3.06
SMIX	2	20	14.60	4.62
SMIX	2	25	22.48	6.09
SMIX	2	30	31.18	7.36
SMIX	2	35	40.25	8.39
SMIX	2	40	49.29	9.15
SMIX	2	45	57.98	9.65
SMIX	2	50	66.08	9.91
SMIX	2	55	73.41	9.97
SMIX	2	60	79.85	9.85
SMIX	2	65	85.33	9.59
SMIX	2	70	89.81	9.23
SMIX	2	75	93.31	8.78
SMIX	2	80	95.84	8.27
SMIX	2	85	97.48	7.73
SMIX	2	90	98.26	7.18
SMIX	2	95	98.28	6.62
SMIX	2	100	97.61	6.06
SMIX	2	105	96.33	5.53
SMIX	2	110	94.52	5.02
SMIX	2	115	92.26	4.53
SMIX	2	120	89.62	4.08
SMIX	2	125	86.68	3.66
SMIX	2	130	83.49	3.27
SMIX	2	135	80.12	2.91
SMIX	2	140	76.62	2.59
SMIX	2	145	73.04	2.29
SMIX	2	150	69.41	2.02

MCWS Conventional Standard, Tree Length Strata Yield Table				
Stratum	Density Class	Age Class	Softwood Volume (m³/ha)	Hardwood Volume (m³/ha)
SMIX	2	155	65.78	1.78
SMIX	2	160	62.18	1.57
SMIX	2	165	58.63	1.38
SMIX	2	170	55.16	1.21
SMIX	2	175	51.78	1.06
SMIX	2	180	48.51	0.92
SMIX	2	185	45.36	0.80
SMIX	2	190	42.33	0.70
SMIX	2	195	39.44	0.61
SMIX	2	200	36.69	0.53
STL	100	0	0.00	0.00
STL	100	5	0.71	0.24
STL	100	10	3.40	0.68
STL	100	15	7.93	1.16
STL	100	20	13.80	1.61
STL	100	25	20.53	1.99
STL	100	30	27.66	2.31
STL	100	35	34.83	2.55
STL	100	40	41.74	2.72
STL	100	45	48.17	2.83
STL	100	50	53.97	2.88
STL	100	55	59.04	2.89
STL	100	60	63.33	2.85
STL	100	65	66.81	2.79
STL	100	70	69.51	2.70
STL	100	75	71.44	2.59
STL	100	80	72.67	2.47
STL	100	85	73.23	2.34
STL	100	90	73.20	2.20
STL	100	95	72.64	2.06
STL	100	100	71.61	1.93
STL	100	105	70.18	1.79
STL	100	110	68.42	1.66
STL	100	115	66.38	1.53
STL	100	120	64.11	1.41
STL	100	125	61.67	1.29
STL	100	130	59.10	1.18
STL	100	135	56.44	1.08

MCWS Conventional Standard, Tree Length Strata Yield Table				
Stratum	Density Class	Age Class	Softwood Volume (m ³ /ha)	Hardwood Volume (m ³ /ha)
STL	100	140	53.73	0.98
STL	100	145	50.99	0.89
STL	100	150	48.26	0.81
STL	100	155	45.56	0.73
STL	100	160	42.91	0.66
STL	100	165	40.31	0.60
STL	100	170	37.80	0.54
STL	100	175	35.37	0.48
STL	100	180	33.03	0.44
STL	100	185	30.79	0.39
STL	100	190	28.65	0.35
STL	100	195	26.62	0.31
STL	100	200	24.70	0.28
TLS	100	0	0.00	0.00
TLS	100	5	0.45	0.25
TLS	100	10	2.01	0.69
TLS	100	15	4.52	1.15
TLS	100	20	7.68	1.56
TLS	100	25	11.23	1.90
TLS	100	30	14.94	2.14
TLS	100	35	18.63	2.31
TLS	100	40	22.15	2.39
TLS	100	45	25.41	2.42
TLS	100	50	28.32	2.40
TLS	100	55	30.86	2.33
TLS	100	60	33.00	2.24
TLS	100	65	34.72	2.12
TLS	100	70	36.05	1.99
TLS	100	75	37.00	1.86
TLS	100	80	37.60	1.71
TLS	100	85	37.86	1.57
TLS	100	90	37.84	1.44
TLS	100	95	37.55	1.30
TLS	100	100	37.03	1.18
TLS	100	105	36.31	1.06
TLS	100	110	35.42	0.95
TLS	100	115	34.40	0.85
TLS	100	120	33.27	0.76

MCWS Conventional Standard, Tree Length Strata Yield Table				
Stratum	Density Class	Age Class	Softwood Volume (m ³ /ha)	Hardwood Volume (m ³ /ha)
TLS	100	125	32.05	0.67
TLS	100	130	30.76	0.60
TLS	100	135	29.43	0.53
TLS	100	140	28.07	0.46
TLS	100	145	26.69	0.41
TLS	100	150	25.32	0.36
TLS	100	155	23.96	0.31
TLS	100	160	22.62	0.28
TLS	100	165	21.30	0.24
TLS	100	170	20.03	0.21
TLS	100	175	18.79	0.18
TLS	100	180	17.60	0.16
TLS	100	185	16.46	0.14
TLS	100	190	15.36	0.12
TLS	100	195	14.32	0.10
TLS	100	200	13.33	0.09
UBS	100	0	0.00	0.00
UBS	100	5	0.59	0.06
UBS	100	10	2.64	0.12
UBS	100	15	6.01	0.16
UBS	100	20	10.42	0.19
UBS	100	25	15.58	0.22
UBS	100	30	21.25	0.24
UBS	100	35	27.18	0.25
UBS	100	40	33.20	0.27
UBS	100	45	39.13	0.27
UBS	100	50	44.85	0.28
UBS	100	55	50.26	0.28
UBS	100	60	55.29	0.28
UBS	100	65	59.87	0.28
UBS	100	70	63.98	0.27
UBS	100	75	67.60	0.27
UBS	100	80	70.70	0.26
UBS	100	85	73.31	0.25
UBS	100	90	75.43	0.25
UBS	100	95	77.07	0.24
UBS	100	100	78.26	0.23
UBS	100	105	79.02	0.22

MCWS Conventional Standard, Tree Length Strata Yield Table				
Stratum	Density Class	Age Class	Softwood Volume (m³/ha)	Hardwood Volume (m³/ha)
UBS	100	110	79.39	0.21
UBS	100	115	79.39	0.20
UBS	100	120	79.06	0.19
UBS	100	125	78.42	0.19
UBS	100	130	77.51	0.18
UBS	100	135	76.36	0.17
UBS	100	140	74.99	0.16
UBS	100	145	73.44	0.15
UBS	100	150	71.73	0.15
UBS	100	155	69.89	0.14
UBS	100	160	67.93	0.13
UBS	100	165	65.89	0.12
UBS	100	170	63.78	0.12
UBS	100	175	61.61	0.11
UBS	100	180	59.41	0.10
UBS	100	185	57.19	0.10
UBS	100	190	54.97	0.09
UBS	100	195	52.75	0.09
UBS	100	200	50.54	0.08

Appendix G Alternative Route Private Land Forest Values

Manitoba Hydro

Lake Winnipeg East System Improvement Transmission Project

Alternative Route Private Land Forest Values						
RM Roll #	Shelterbelt		Trees		Natural Forest	
	Species	Meters	Species	# Trees	Species	Hectares
ALTERNATIVE ROUTE A						
132200	Cedar	35	Hybrid Poplar	4		
	Lilac Hedge	15	Ash	1		
			Elm	1		
			Weeping Willow	1		
			Basswood	1		
Total	50		8			
132300	Hyb Poplar/Mb Maple	65	White Spruce	1		
	Willow/Hyb Poplar	60	Plum	1		
			Elm	2		
Total	125		4			
133625			Elm	1		
			Willow (large)	1		
			Ash	7		
			Balsam Poplar	1		
Total			10			
133500					Ta6 Bw3 As1	0.3
133350	Caragana hedge	12	Cedar	8		
			White Spruce	6		
			Red Pine	1		
			Oak	1		
			Elm	2		
			Birch	8		
Total	12		26			
133310	Willow	30	Oak	5		
			Mb Maple	5		
			Ash	1		
			White birch	1		
			Shrub	1		
Total	30		13			
133300	Willow	55	Elm	1		
	Willow/Hyb Poplar	40				
Total	95		1			
131325			Cedar	1		
			Mb Maple	1		
			White Spruce	17		
			Willow	3		

Manitoba Hydro

Lake Winnipeg East System Improvement Transmission Project

Alternative Route Private Land Forest Values						
RM Roll #	Shelterbelt		Trees		Natural Forest	
	Species	Meters	Species	# Trees	Species	Hectares
Total				22		
131200	Willow	115			Ta9 Jp1	1.5
131310					Ta7 As1 Ba1 Bo1	0.15
					Ta5 Ba3 As2	1
Total				1.15		
130930	Wildflowers	patch	Aspen	4		
			Balsam Poplar	2		
Total				6		
130715					Ta9 Jp1	0.1
Total All		427		90		3.05
ALTERNATIVE ROUTE B						
132200	Cedar	35	Hybrid Poplar	4		
	Lilac Hedge	15	Ash	1		
			Elm	1		
			Weeping Willow	1		
			Basswood	1		
Total		50	8			
132300	Hyb Poplar/Mb Maple	65	White Spruce	1		
	Willow/Hyb Poplar	60	Plum	1		
			Elm	2		
Total		125	4			
133625			Elm	1		
			Willow (large)	1		
			Ash	7		
			Balsam Poplar	1		
Total			10			
133500					Ta6 Bw3 As1	0.3
133350	Caragana hedge	12	Cedar	8		
			White Spruce	6		
			Red Pine	1		
			Oak	1		
			Elm	2		
			Birch	8		

Manitoba Hydro

Lake Winnipeg East System Improvement Transmission Project

Alternative Route Private Land Forest Values						
RM Roll #	Shelterbelt		Trees		Natural Forest	
	Species	Meters	Species	# Trees	Species	Hectares
Total		12		26		
133310	Willow	30	Oak	5		
			Mb Maple	5		
			Ash	1		
			White birch	1		
			Shrub	1		
Total		30		13		
133300	Willow	55	Elm	1		
	Willow/Hyb Poplar	40				
Total		95		1		
133716			Mb Maple	4		
131200	Willow	40			Ta9 Jp1	1.5
131310					Ta7 As1 Ba1 Bo1	0.15
					Ta5 Ba3 As2	1
Total						1.15
130930	Wildflowers	patch	Aspen	4		
			Balsam Poplar	2		
			White Spruce	13		
			Red Pine	2		
			Azure Maple	3		
			shrub	4		
Total				28		
130715					Ta9 Jp1	0.03
Total All		352		94		2.98
ALTERNATIVE ROUTE C						
130920					Ta7 As1 Ba1 Bo1	0.7
146400					Ta5 Ba3 As2	1
Total All						1.7

Appendix H Aboriginal Traditional Knowledge Forestry Values

Aboriginal Traditional Knowledge Forestry Values		
ID No.	Value Identification	Potential Effect
ATK_1	Berry Picking	Assessed in Vegetation Technical Report
ATK_2	Berry Picking & Medicinal Plants	Assessed in Vegetation Technical Report
ATK_3	Wild Rice Picking	Assessed in Vegetation Technical Report
ATK_5	Firewood Collection	Potential Positive Effect
ATK_19	Medicinal Plants	Assessed in Vegetation Technical Report
ATK_20	Medicinal Plants	Assessed in Vegetation Technical Report
ATK_21	Medicinal Plants	Assessed in Vegetation Technical Report
ATK_22	Medicinal Plants	Assessed in Vegetation Technical Report
ATK_33	Berry Picking	Assessed in Vegetation Technical Report
ATK_49	Berry Picking	Assessed in Vegetation Technical Report
ATK_50	Medicinal Plants	Assessed in Vegetation Technical Report
ATK_51	Firewood Collection	Potential Positive Effect
ATK_52	Craft Material	Assessed in Vegetation Technical Report
ATK_79	Medicinal Plants	Assessed in Vegetation Technical Report
ATK_80	Medicinal Plants	Assessed in Vegetation Technical Report
ATK_82	Medicinal Plants	Assessed in Vegetation Technical Report
ATK_83	Berry Picking	Assessed in Vegetation Technical Report
ATK_85	Berry Picking	Assessed in Vegetation Technical Report
ATK_87	Firewood Collection	Potential Positive Effect
ATK_107	Medicinal Plants	Assessed in Vegetation Technical Report
ATK_108	Medicinal Plants	Assessed in Vegetation Technical Report
ATK_109	Medicinal Plants	Assessed in Vegetation Technical Report

Appendix I Annual Allowable Cut Calculations

Annual Allowable Cut Calculations								
Species Composition	Stratum	Density Class	Softwood MAI (m ³ /ha/year)	Hardwood MAI (m ³ /ha/year)	Area (ha)	Softwood AAC (m ³)	Hardwood AAC (m ³)	Total AAC (m ³)
AS6BA2TA2	ASH	100	0.177	1.287	0.36	0.06	0.46	0.52
AS7BA2BF1	ASH	100	0.177	1.287	0.15	0.03	0.19	0.22
AS7BA3	ASH	100	0.177	1.287	0.04	0.01	0.05	0.05
AS7BA3	ASH	100	0.177	1.287	0.67	0.12	0.86	0.98
AS8BA2	ASH	100	0.177	1.287	0.31	0.05	0.40	0.45
AS8BA2	ASH	100	0.177	1.287	2.21	0.39	2.85	3.24
	ASH	TOTAL			3.73	0.66	4.81	5.47
BA6TA2AS2	HWD	1	0.302	0.780	0.01	0.00	0.01	0.01
TA10	HWD	1	0.302	0.780	0.08	0.02	0.06	0.09
TA10	HWD	1	0.302	0.780	0.00	0.00	0.00	0.00
TA10	HWD	1	0.302	0.780	0.76	0.23	0.60	0.83
TA10	HWD	1	0.302	0.780	1.11	0.33	0.86	1.20
TA10	HWD	1	0.302	0.780	0.29	0.09	0.23	0.32
TA7BA2BF1	HWD	1	0.302	0.780	0.18	0.05	0.14	0.19
TA8AS1BF1	HWD	1	0.302	0.780	2.37	0.72	1.85	2.57
TA8AS1BF1	HWD	1	0.302	0.780	5.49	1.66	4.29	5.95
TA8BF1BS1	HWD	1	0.302	0.780	0.89	0.27	0.69	0.96
TA8BF2	HWD	1	0.302	0.780	0.27	0.08	0.21	0.29
TA8JP1BF1	HWD	1	0.302	0.780	0.01	0.00	0.01	0.01
TA8JP1BF1	HWD	1	0.302	0.780	4.37	1.32	3.41	4.73
TA8JP2	HWD	1	0.302	0.780	0.95	0.29	0.74	1.03
TA8JP2	HWD	1	0.302	0.780	2.80	0.85	2.18	3.03
TA8WB2	HWD	1	0.302	0.780	0.38	0.12	0.30	0.41
TA8WS1BF1	HWD	1	0.302	0.780	0.42	0.13	0.33	0.46
TA9BA1	HWD	1	0.302	0.780	0.65	0.20	0.50	0.70
TA9BS1	HWD	1	0.302	0.780	0.73	0.22	0.57	0.79
TA9JP1	HWD	1	0.302	0.780	1.91	0.58	1.49	2.07
TA9JP1	HWD	1	0.302	0.780	5.90	1.78	4.61	6.39
TA9JP1	HWD	1	0.302	0.780	3.59	1.08	2.80	3.88
	HWD 1	TOTAL			33.17	10.03	25.88	35.91
TA10	HWD	2	0.372	2.118	0.00	0.00	0.00	0.00
TA6BA2WS1BF1	HWD	2	0.372	2.118	0.93	0.35	1.97	2.32
TA6BA2WS1BF1	HWD	2	0.372	2.118	1.48	0.55	3.13	3.68
TA6BA2WS1BF1	HWD	2	0.372	2.118	0.10	0.04	0.22	0.26
TA7BA1AS1JP1	HWD	2	0.372	2.118	0.48	0.18	1.03	1.21
TA7BA2AS1	HWD	2	0.372	2.118	1.09	0.41	2.32	2.73
TA8BF1BS1	HWD	2	0.372	2.118	1.52	0.57	3.22	3.79
TA8BF1WS1	HWD	2	0.372	2.118	0.02	0.01	0.03	0.04
TA8JP1BF1	HWD	2	0.372	2.118	3.63	1.35	7.69	9.04
TA8JP1BF1	HWD	2	0.372	2.118	1.09	0.40	2.30	2.70
TA8JP1BF1	HWD	2	0.372	2.118	0.54	0.20	1.15	1.36

Annual Allowable Cut Calculations								
Species Composition	Stratum	Density Class	Softwood MAI (m ³ /ha/year)	Hardwood MAI (m ³ /ha/year)	Area (ha)	Softwood AAC (m ³)	Hardwood AAC (m ³)	Total AAC (m ³)
TA8JP1BF1	HWD	2	0.372	2.118	0.00	0.00	0.00	0.00
TA8JP1BF1	HWD	2	0.372	2.118	0.18	0.07	0.39	0.46
TA8JP1BF1	HWD	2	0.372	2.118	3.42	1.27	7.24	8.52
TA8JP1BF1	HWD	2	0.372	2.118	1.41	0.52	2.98	3.50
TA8JP1BF1	HWD	2	0.372	2.118	2.25	0.84	4.76	5.60
TA8JP2	HWD	2	0.372	2.118	0.05	0.02	0.11	0.13
TA8JP2	HWD	2	0.372	2.118	0.06	0.02	0.13	0.15
TA8WS1BF1	HWD	2	0.372	2.118	0.16	0.06	0.34	0.40
TA8WS1BF1	HWD	2	0.372	2.118	5.07	1.89	10.75	12.64
TA8WS2	HWD	2	0.372	2.118	0.32	0.12	0.68	0.80
TA8WS2	HWD	2	0.372	2.118	3.76	1.40	7.96	9.36
TA9AS1	HWD	2	0.372	2.118	0.00	0.00	0.00	0.00
TA9BF1	HWD	2	0.372	2.118	0.13	0.05	0.27	0.31
TA9BF1	HWD	2	0.372	2.118	1.00	0.37	2.12	2.50
TA9BS1	HWD	2	0.372	2.118	1.15	0.43	2.43	2.86
TA9JP1	HWD	2	0.372	2.118	0.94	0.35	2.00	2.35
TA9JP1	HWD	2	0.372	2.118	0.90	0.34	1.91	2.24
TA9JP1	HWD	2	0.372	2.118	0.26	0.10	0.54	0.64
TA9JP1	HWD	2	0.372	2.118	0.74	0.28	1.57	1.85
	HWD 2	TOTAL			32.70	12.17	69.26	81.43
JP8BS1TA1	JP	100	1.600	0.049	2.53	4.05	0.12	4.17
JP8BS1TA1	JP	100	1.600	0.049	0.11	0.17	0.01	0.17
JP9TA1	JP	100	1.600	0.049	1.22	1.95	0.06	2.01
JP9TA1	JP	100	1.600	0.049	2.08	3.33	0.10	3.43
JP9TL1	JP	100	1.600	0.049	0.82	1.31	0.04	1.35
JP9TL1	JP	100	1.600	0.049	0.04	0.06	0.00	0.06
JP9TL1	JP	100	1.600	0.049	0.76	1.21	0.04	1.25
	JP	TOTAL			7.55	12.09	0.37	12.45
BS10	LBS	100	0.775	0.037	1.44	1.11	0.05	1.17
BS10	LBS	100	0.775	0.037	2.27	1.76	0.08	1.84
BS10	LBS	100	0.775	0.037	1.38	1.07	0.05	1.12
BS10	LBS	100	0.775	0.037	1.91	1.48	0.07	1.55
BS10	LBS	100	0.775	0.037	0.20	0.15	0.01	0.16
BS10	LBS	100	0.775	0.037	0.16	0.12	0.01	0.13
BS10	LBS	100	0.775	0.037	0.00	0.00	0.00	0.00
BS10	LBS	100	0.775	0.037	0.03	0.03	0.00	0.03
BS10	LBS	100	0.775	0.037	1.78	1.38	0.07	1.45
BS10	LBS	100	0.775	0.037	0.07	0.06	0.00	0.06
BS10	LBS	100	0.775	0.037	0.30	0.23	0.01	0.24
BS10	LBS	100	0.775	0.037	0.53	0.41	0.02	0.43
BS10	LBS	100	0.775	0.037	0.43	0.33	0.02	0.35

Annual Allowable Cut Calculations								
Species Composition	Stratum	Density Class	Softwood MAI (m ³ /ha/year)	Hardwood MAI (m ³ /ha/year)	Area (ha)	Softwood AAC (m ³)	Hardwood AAC (m ³)	Total AAC (m ³)
BS10	LBS	100	0.775	0.037	2.36	1.83	0.09	1.92
BS10	LBS	100	0.775	0.037	0.52	0.41	0.02	0.43
BS10	LBS	100	0.775	0.037	0.91	0.71	0.03	0.74
BS10	LBS	100	0.775	0.037	0.39	0.30	0.01	0.32
BS10	LBS	100	0.775	0.037	3.79	2.94	0.14	3.08
BS10	LBS	100	0.775	0.037	1.01	0.78	0.04	0.82
BS10	LBS	100	0.775	0.037	0.02	0.01	0.00	0.01
BS10	LBS	100	0.775	0.037	0.06	0.05	0.00	0.05
BS10	LBS	100	0.775	0.037	0.91	0.70	0.03	0.74
BS10	LBS	100	0.775	0.037	0.40	0.31	0.01	0.32
BS10	LBS	100	0.775	0.037	0.71	0.55	0.03	0.58
BS10	LBS	100	0.775	0.037	4.27	3.31	0.16	3.47
BS8TL1BF1	LBS	100	0.775	0.037	0.13	0.10	0.00	0.11
BS8TL2	LBS	100	0.775	0.037	1.20	0.93	0.04	0.97
BS8TL2	LBS	100	0.775	0.037	1.03	0.80	0.04	0.84
BS8TL2	LBS	100	0.775	0.037	1.40	1.08	0.05	1.13
BS9TL1	LBS	100	0.775	0.037	0.22	0.17	0.01	0.18
BS9TL1	LBS	100	0.775	0.037	1.52	1.18	0.06	1.24
BS9TL1	LBS	100	0.775	0.037	0.77	0.60	0.03	0.63
BS9TL1	LBS	100	0.775	0.037	0.08	0.07	0.00	0.07
BS9TL1	LBS	100	0.775	0.037	0.66	0.51	0.02	0.54
BS9TL1	LBS	100	0.775	0.037	0.00	0.00	0.00	0.00
BS9TL1	LBS	100	0.775	0.037	0.72	0.56	0.03	0.59
BS9TL1	LBS	100	0.775	0.037	1.02	0.79	0.04	0.83
	LBS	TOTAL			34.61	26.83	1.29	28.12
BF4TA3WS1BS1 AS1	MSPF	1	0.724	0.407	3.69	2.67	1.50	4.17
BF4TA3WS2BS1	MSPF	1	0.724	0.407	2.72	1.97	1.11	3.08
BF4TA4TL1BS1	MSPF	1	0.724	0.407	1.13	0.82	0.46	1.28
BF4TA4WS2	MSPF	1	0.724	0.407	1.46	1.05	0.59	1.65
BF4TA4WS2	MSPF	1	0.724	0.407	0.30	0.22	0.12	0.34
BF4WS3TA3	MSPF	1	0.724	0.407	0.58	0.42	0.24	0.66
BF5TA3BS2	MSPF	1	0.724	0.407	0.68	0.49	0.28	0.77
BS3BF3WS2TA2	MSPF	1	0.724	0.407	0.19	0.14	0.08	0.22
BS4TA4BF1JP1	MSPF	1	0.724	0.407	1.60	1.16	0.65	1.81
BS4TA4BF2	MSPF	1	0.724	0.407	0.79	0.57	0.32	0.89
JP6TA4	MSPF	1	0.724	0.407	1.24	0.89	0.50	1.40
JP6TA4	MSPF	1	0.724	0.407	0.00	0.00	0.00	0.00
JP6TA4	MSPF	1	0.724	0.407	1.10	0.80	0.45	1.25
WS4BF3TA3	MSPF	1	0.724	0.407	0.90	0.65	0.36	1.01
WS4TA4BF2	MSPF	1	0.724	0.407	1.53	1.11	0.62	1.73
	MSPF 1	TOTAL			17.91	12.97	7.29	20.26

Annual Allowable Cut Calculations								
Species Composition	Stratum	Density Class	Softwood MAI (m ³ /ha/year)	Hardwood MAI (m ³ /ha/year)	Area (ha)	Softwood AAC (m ³)	Hardwood AAC (m ³)	Total AAC (m ³)
BF4TA4BS2	MSPF	2	1.131	0.786	0.76	0.86	0.60	1.46
BS3BF3TA3TL1	MSPF	2	1.131	0.786	1.12	1.27	0.88	2.16
BS4BF3TA3	MSPF	2	1.131	0.786	0.08	0.09	0.07	0.16
BS4BF3TA3	MSPF	2	1.131	0.786	0.87	0.98	0.68	1.66
BS4BF3TA3	MSPF	2	1.131	0.786	0.12	0.14	0.10	0.23
BS4BF3TA3	MSPF	2	1.131	0.786	0.35	0.40	0.27	0.67
BS4TL2TA2BF1WB1	MSPF	2	1.131	0.786	1.79	2.02	1.41	3.43
JP4TA3WS2BF1	MSPF	2	1.131	0.786	0.20	0.23	0.16	0.39
JP4TA4BS2	MSPF	2	1.131	0.786	1.73	1.95	1.36	3.31
	MSPF	TOTAL			7.03	7.95	5.53	13.48
TA4TL3BA2BS1	NSPF	100	1.527	1.042	0.26	0.39	0.27	0.66
TA4TL3BA2BS1	NSPF	100	1.527	1.042	0.79	1.20	0.82	2.02
TA4TL3BA2BS1	NSPF	100	1.527	1.042	2.03	3.11	2.12	5.22
TA5AS2BF2WS1	NSPF	100	1.527	1.042	0.54	0.82	0.56	1.38
TA5BF2AS1WS1BS1	NSPF	100	1.527	1.042	1.32	2.01	1.37	3.38
TA5BF2AS1WS1BS1	NSPF	100	1.527	1.042	0.08	0.12	0.08	0.21
TA5BF2WS2AS1	NSPF	100	1.527	1.042	0.04	0.07	0.05	0.11
TA5WS5	NSPF	100	1.527	1.042	5.49	8.38	5.72	14.10
TA6BF2BS2	NSPF	100	1.527	1.042	0.53	0.81	0.56	1.37
TA6BF2WS2	NSPF	100	1.527	1.042	0.68	1.04	0.71	1.75
TA6BF2WS2	NSPF	100	1.527	1.042	0.91	1.39	0.95	2.34
TA6BS2BF2	NSPF	100	1.527	1.042	0.02	0.03	0.02	0.06
TA6BS2TL1JP1	NSPF	100	1.527	1.042	0.05	0.07	0.05	0.12
TA6BS2TL1JP1	NSPF	100	1.527	1.042	0.05	0.08	0.06	0.14
TA6JP2BF2	NSPF	100	1.527	1.042	1.30	1.98	1.35	3.33
TA6JP3WS1	NSPF	100	1.527	1.042	0.73	1.12	0.76	1.88
TA6JP4	NSPF	100	1.527	1.042	2.72	4.15	2.83	6.98
TA6WS2BF2	NSPF	100	1.527	1.042	2.12	3.23	2.20	5.44
TA6WS2BF2	NSPF	100	1.527	1.042	0.85	1.30	0.88	2.18
TA7AS1WS1BF1	NSPF	100	1.527	1.042	1.76	2.69	1.83	4.52
TA7BF2BS1	NSPF	100	1.527	1.042	0.69	1.06	0.72	1.78
TA7BF2BS1	NSPF	100	1.527	1.042	0.54	0.82	0.56	1.38
TA7BF2BS1	NSPF	100	1.527	1.042	2.76	4.22	2.88	7.10
TA7BF2BS1	NSPF	100	1.527	1.042	0.73	1.12	0.76	1.88
TA7BF2BS1	NSPF	100	1.527	1.042	0.02	0.04	0.03	0.06
TA7BF2WS1	NSPF	100	1.527	1.042	5.88	8.99	6.13	15.12
TA7BF2WS1	NSPF	100	1.527	1.042	1.58	2.42	1.65	4.07
TA7BF2WS1	NSPF	100	1.527	1.042	1.71	2.61	1.78	4.39
TA7BF3	NSPF	100	1.527	1.042	0.65	0.99	0.68	1.67

Annual Allowable Cut Calculations								
Species Composition	Stratum	Density Class	Softwood MAI (m ³ /ha/year)	Hardwood MAI (m ³ /ha/year)	Area (ha)	Softwood AAC (m ³)	Hardwood AAC (m ³)	Total AAC (m ³)
TA7BF3	NSPF	100	1.527	1.042	0.54	0.83	0.57	1.40
TA7BF3	NSPF	100	1.527	1.042	3.99	6.09	4.15	10.24
TA7BF3	NSPF	100	1.527	1.042	0.65	1.00	0.68	1.68
TA7JP1BF1BS1	NSPF	100	1.527	1.042	0.53	0.81	0.55	1.36
TA7JP1BS1TL1	NSPF	100	1.527	1.042	5.17	7.90	5.39	13.29
TA7JP2BF1	NSPF	100	1.527	1.042	0.65	1.00	0.68	1.68
TA7JP3	NSPF	100	1.527	1.042	0.66	1.00	0.68	1.68
TA7JP3	NSPF	100	1.527	1.042	15.41	23.54	16.05	39.59
TA7JP3	NSPF	100	1.527	1.042	3.95	6.03	4.11	10.14
TA7WS2BF1	NSPF	100	1.527	1.042	0.48	0.73	0.50	1.24
TA7WS2BF1	NSPF	100	1.527	1.042	1.83	2.80	1.91	4.71
TA7WS2BS1	NSPF	100	1.527	1.042	0.00	0.00	0.00	0.00
	NSPF	TOTAL			70.70	107.99	73.64	181.62
TA7BO3	OTHHW	100	0.362	0.769	0.06	0.02	0.04	0.07
TA7TL2BS1	OTHHW	100	0.362	0.769	0.51	0.18	0.39	0.58
	OTHHW	TOTAL			0.57	0.21	0.44	0.64
TL4BS2BA2AS2	OTHSW	100	0.732	0.446	1.86	1.36	0.83	2.19
BF4BS4JP1TA1	SMIX	1	0.725	0.083	0.72	0.52	0.06	0.58
BF4WS4BS2	SMIX	1	0.725	0.083	2.12	1.53	0.18	1.71
BF4WS4TA2	SMIX	1	0.725	0.083	0.56	0.41	0.05	0.46
BF5WS3BS2	SMIX	1	0.725	0.083	1.10	0.80	0.09	0.89
BF6BS3TA1	SMIX	1	0.725	0.083	0.84	0.61	0.07	0.68
BF7BS3	SMIX	1	0.725	0.083	0.01	0.01	0.00	0.01
BS4BF4TA2	SMIX	1	0.725	0.083	1.07	0.78	0.09	0.87
BS5BF5	SMIX	1	0.725	0.083	0.22	0.16	0.02	0.18
BS5BF5	SMIX	1	0.725	0.083	0.46	0.34	0.04	0.37
BS5BF5	SMIX	1	0.725	0.083	0.56	0.41	0.05	0.46
BS6JP2TA2	SMIX	1	0.725	0.083	0.65	0.47	0.05	0.53
BS6JP3BF1	SMIX	1	0.725	0.083	0.00	0.00	0.00	0.00
BS7BF3	SMIX	1	0.725	0.083	2.90	2.10	0.24	2.34
BS7BF3	SMIX	1	0.725	0.083	2.03	1.47	0.17	1.64
BS7BF3	SMIX	1	0.725	0.083	7.44	5.39	0.62	6.01
BS7BF3	SMIX	1	0.725	0.083	1.53	1.11	0.13	1.24
BS7BF3	SMIX	1	0.725	0.083	1.47	1.07	0.12	1.19
JP5BS2BF2TA1	SMIX	1	0.725	0.083	0.62	0.45	0.05	0.50
PJ7BS3	SMIX	1	0.725	0.083	0.95	0.69	0.08	0.76
WS6BS2BF1TA1	SMIX	1	0.725	0.083	2.66	1.93	0.22	2.15
	SMIX	TOTAL			27.92	20.23	2.33	22.56

Annual Allowable Cut Calculations								
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BS4BF4TA2	SMIX	2	1.331	0.164	0.72	0.96	0.12	1.07
BS4JP2BF2TA2	SMIX	2	1.331	0.164	0.32	0.42	0.05	0.47
BS4WS2BF2TL1TA1	SMIX	2	1.331	0.164	1.14	1.52	0.19	1.71
BS4WS2BF2TL1TA1	SMIX	2	1.331	0.164	0.09	0.12	0.01	0.14
BS5JP3BF2	SMIX	2	1.331	0.164	1.78	2.37	0.29	2.67
BS6BF2TA2	SMIX	2	1.331	0.164	0.52	0.69	0.08	0.77
BS6BF2TL1TA1	SMIX	2	1.331	0.164	1.22	1.63	0.20	1.83
BS6JP2BF1TA1	SMIX	2	1.331	0.164	0.32	0.43	0.05	0.48
BS6JP2BF1TA1	SMIX	2	1.331	0.164	1.81	2.40	0.30	2.70
BS6JP4	SMIX	2	1.331	0.164	0.01	0.01	0.00	0.02
BS7BF1TL1TA1	SMIX	2	1.331	0.164	0.85	1.13	0.14	1.27
BS7BF2TA1	SMIX	2	1.331	0.164	0.00	0.00	0.00	0.00
BS7BF2TA1	SMIX	2	1.331	0.164	0.20	0.26	0.03	0.30
BS7BF2TA1	SMIX	2	1.331	0.164	0.27	0.36	0.04	0.40
JP5BS3TA2	SMIX	2	1.331	0.164	0.49	0.65	0.08	0.73
JP7BS2TA1	SMIX	2	1.331	0.164	0.28	0.38	0.05	0.42
	SMIX	TOTAL			10.02	13.33	1.64	14.97
BS5TL3TA2	STL	100	1.028	0.043	5.59	5.74	0.24	5.98
BS5TL5	STL	100	1.028	0.043	1.52	1.56	0.07	1.62
BS5TL5	STL	100	1.028	0.043	1.48	1.52	0.06	1.59
BS5TL5	STL	100	1.028	0.043	0.16	0.17	0.01	0.17
BS5TL5	STL	100	1.028	0.043	2.46	2.53	0.11	2.63
BS5TL5	STL	100	1.028	0.043	0.01	0.01	0.00	0.01
BS6TL4	STL	100	1.028	0.043	0.40	0.41	0.02	0.43
BS6TL4	STL	100	1.028	0.043	0.81	0.83	0.03	0.87
BS6TL4	STL	100	1.028	0.043	1.71	1.75	0.07	1.83
BS6TL4	STL	100	1.028	0.043	0.29	0.30	0.01	0.31
BS6TL4	STL	100	1.028	0.043	1.51	1.55	0.06	1.61
BS6TL4	STL	100	1.028	0.043	0.17	0.17	0.01	0.18
BS6TL4	STL	100	1.028	0.043	0.02	0.02	0.00	0.02
BS6TL4	STL	100	1.028	0.043	0.08	0.08	0.00	0.08
BS6TL4	STL	100	1.028	0.043	0.04	0.04	0.00	0.04
BS6TL4	STL	100	1.028	0.043	1.12	1.15	0.05	1.20
BS6TL4	STL	100	1.028	0.043	0.40	0.41	0.02	0.43
BS7TA3	STL	100	1.028	0.043	1.19	1.22	0.05	1.28
BS7TL3	STL	100	1.028	0.043	2.61	2.68	0.11	2.79
BS7TL3	STL	100	1.028	0.043	0.22	0.22	0.01	0.23
BS7TL3	STL	100	1.028	0.043	0.30	0.31	0.01	0.32
BS7TL3	STL	100	1.028	0.043	2.54	2.61	0.11	2.71
BS7TL3	STL	100	1.028	0.043	1.83	1.88	0.08	1.95
BS7TL3	STL	100	1.028	0.043	0.41	0.42	0.02	0.44

Annual Allowable Cut Calculations								
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BS7TL3	STL	100	1.028	0.043	0.02	0.02	0.00	0.02
BS7TL3	STL	100	1.028	0.043	0.70	0.72	0.03	0.75
BS7TL3	STL	100	1.028	0.043	0.01	0.01	0.00	0.01
BS7TL3	STL	100	1.028	0.043	2.51	2.58	0.11	2.69
BS7TL3	STL	100	1.028	0.043	1.73	1.78	0.07	1.86
BS7TL3	STL	100	1.028	0.043	0.35	0.36	0.01	0.37
BS7TL3	STL	100	1.028	0.043	1.14	1.17	0.05	1.22
BS7TL3	STL	100	1.028	0.043	0.93	0.96	0.04	1.00
BS7TL3	STL	100	1.028	0.043	0.26	0.27	0.01	0.28
BS7TL3	STL	100	1.028	0.043	0.86	0.89	0.04	0.92
BS7TL3	STL	100	1.028	0.043	1.54	1.59	0.07	1.65
BS7TL3	STL	100	1.028	0.043	0.22	0.23	0.01	0.24
BS7TL3	STL	100	1.028	0.043	1.62	1.67	0.07	1.74
BS7TL3	STL	100	1.028	0.043	2.78	2.86	0.12	2.98
	STL	TOTAL			41.55	42.70	1.78	44.49
TL10	TLS	100	0.534	0.033	0.00	0.00	0.00	0.00
TL10	TLS	100	0.534	0.033	0.74	0.39	0.02	0.42
TL10	TLS	100	0.534	0.033	0.80	0.43	0.03	0.45
TL10	TLS	100	0.534	0.033	0.43	0.23	0.01	0.24
TL10	TLS	100	0.534	0.033	1.69	0.90	0.05	0.96
TL10	TLS	100	0.534	0.033	1.76	0.94	0.06	0.99
TL5BS3BA2	TLS	100	0.534	0.033	0.65	0.35	0.02	0.37
TL5BS3TA2	TLS	100	0.534	0.033	0.76	0.40	0.02	0.43
TL5BS5	TLS	100	0.534	0.033	2.67	1.43	0.09	1.52
TL5BS5	TLS	100	0.534	0.033	0.52	0.28	0.02	0.29
TL5BS5	TLS	100	0.534	0.033	0.71	0.38	0.02	0.40
TL5BS5	TLS	100	0.534	0.033	0.04	0.02	0.00	0.02
TL6BS3TA1	TLS	100	0.534	0.033	0.87	0.47	0.03	0.50
TL6BS4	TLS	100	0.534	0.033	0.39	0.21	0.01	0.22
TL6BS4	TLS	100	0.534	0.033	3.39	1.81	0.11	1.92
TL6BS4	TLS	100	0.534	0.033	1.05	0.56	0.03	0.59
TL6BS4	TLS	100	0.534	0.033	0.58	0.31	0.02	0.33
TL6BS4	TLS	100	0.534	0.033	0.10	0.05	0.00	0.06
TL6BS4	TLS	100	0.534	0.033	0.53	0.28	0.02	0.30
TL6BS4	TLS	100	0.534	0.033	0.03	0.02	0.00	0.02
TL6BS4	TLS	100	0.534	0.033	0.20	0.10	0.01	0.11
TL7BS3	TLS	100	0.534	0.033	0.74	0.39	0.02	0.42
TL7BS3	TLS	100	0.534	0.033	1.36	0.73	0.04	0.77
TL7BS3	TLS	100	0.534	0.033	1.61	0.86	0.05	0.91
TL7BS3	TLS	100	0.534	0.033	0.39	0.21	0.01	0.22
TL7BS3	TLS	100	0.534	0.033	0.00	0.00	0.00	0.00
TL7BS3	TLS	100	0.534	0.033	0.02	0.01	0.00	0.01

Annual Allowable Cut Calculations								
Species Composition	Stratum	Density Class	Softwood MAI (m ³ /ha/year)	Hardwood MAI (m ³ /ha/year)	Area (ha)	Softwood AAC (m ³)	Hardwood AAC (m ³)	Total AAC (m ³)
TL7BS3	TLS	100	0.534	0.033	4.53	2.42	0.15	2.57
TL7BS3	TLS	100	0.534	0.033	1.49	0.80	0.05	0.85
TL7BS3	TLS	100	0.534	0.033	0.08	0.05	0.00	0.05
TL7BS3	TLS	100	0.534	0.033	0.03	0.02	0.00	0.02
TL7BS3	TLS	100	0.534	0.033	1.67	0.89	0.05	0.95
TL7BS3	TLS	100	0.534	0.033	1.60	0.86	0.05	0.91
TL8BA1AS1	TLS	100	0.534	0.033	1.11	0.59	0.04	0.63
TL8BS2	TLS	100	0.534	0.033	0.47	0.25	0.02	0.27
TL9BS1	TLS	100	0.534	0.033	1.77	0.95	0.06	1.01
TL9BS1	TLS	100	0.534	0.033	0.98	0.52	0.03	0.55
TL9BS1	TLS	100	0.534	0.033	0.85	0.45	0.03	0.48
	TLS	TOTAL			36.61	19.56	1.19	20.75
BS10	UBS	100	0.914	0.004	1.23	1.12	0.00	1.13
BS10	UBS	100	0.914	0.004	0.50	0.46	0.00	0.46
BS10	UBS	100	0.914	0.004	0.23	0.21	0.00	0.21
BS10	UBS	100	0.914	0.004	1.18	1.08	0.00	1.08
BS8BF2	UBS	100	0.914	0.004	0.95	0.86	0.00	0.87
BS8TA2	UBS	100	0.914	0.004	1.16	1.06	0.00	1.07
BS9BF1	UBS	100	0.914	0.004	0.19	0.17	0.00	0.17
	UBS	TOTAL			5.44	4.97	0.02	4.99
Total Preferred Route					331.36	293.04	196.30	489.34
Final Preferred Route Adjustment								
Deleted from Final Preferred Route								
TA5BA3AS2	HWD	2	0.372	2.118	0.06	0.02	0.13	0.16
TA10	HWD	1	0.302	0.780	0.63	0.19	0.49	0.68
BS10	LBS	100	0.775	0.037	0.50	0.39	0.02	0.41
Total Deleted from Final Preferred Route					-1.20	-0.60	-0.65	-1.25
Added to Final Preferred Route								
BS10	LBS	100	0.775	0.037	2.03	1.57	0.08	1.65
Total Added to Final Preferred Route					2.03	1.57	0.08	1.65
Total Final Preferred Route					332.20	294.01	195.73	489.74

Appendix J High Value Reforestation Area Determination

High Value Reforestation Area Determination				
Location	Area (ha)	Plantation No.	UTM 14 NAD 83	
			Easting	Northing
Final Preferred Route	0.07	3-85	701430.57173000000	5607628.28314000000
Final Preferred Route	0.74	5-87	702500.20425300000	5610462.85408000000
Final Preferred Route	0.82	46-07	704264.40838900000	5614951.36778000000
Final Preferred Route	2.71	8-06	701283.49573700000	5624096.81613000000
Final Preferred Route	0.26	01-08	704405.66278500000	5615267.04934000000
Final Preferred Route	0.14	10-08	697318.60781800000	5628707.69392000000
Final Preferred Route	1.98	10-08	697135.74206400000	5628874.39810000000
Final Preferred Route	0.20	23-09	702863.38399000000	5621393.15015000000
Final Preferred Route	0.39	22-09	699894.89930700000	5626511.12289000000
Final Preferred Route	0.52	22-09	699931.95648500000	5626441.49555000000
Final Preferred Route	0.46	22-09	700000.91491300000	5626323.69140000000
Final Preferred Route	0.67	27-07	693643.40546300000	5643781.82835000000
Final Preferred Route	0.38	81-03	693725.99123700000	5644171.49538000000
Final Preferred Route	0.22	54-03	694190.96003100000	5647003.97057000000
Final Preferred Route	1.10	55-03	694366.92424100000	5648175.30880000000
Final Preferred Route	0.90	55-03	694462.18591400000	5648722.93467000000
Final Preferred Route	0.18	18-01	694515.08577400000	5649119.11524000000
Final Preferred Route	1.28	30-01	694743.78400900000	5650443.44819000000
Final Preferred Route	0.05	4-95	694599.46526400000	5651671.78186000000
Final Preferred Route	0.52	30-00	694624.52564800000	5651636.55825000000
Final Preferred Route	0.17	31-00	694593.97373400000	5651697.54920000000
Final Preferred Route	0.32	12-02	692397.03241900000	5656055.34731000000
Final Preferred Route	0.88	33-00	694342.35330300000	5652201.23027000000
Final Preferred Route	0.09	33-00	694216.68300100000	5652494.56705000000
Final Preferred Route	0.05	4-90	694143.30177300000	5652591.89678000000
Final Preferred Route	0.10	34-00	694139.92013600000	5652604.42320000000
Final Preferred Route	0.73	34-00	694092.10835700000	5652700.15946000000
Final Preferred Route	0.05	34-00	694033.62895900000	5652767.92921000000
Final Preferred Route	3.10	4-90	694093.92382600000	5652689.76882000000
Final Preferred Route	0.49	55-02	692578.77040500000	5655698.23309000000
Final Preferred Route	0.34	13-02	692538.72506900000	5655784.41766000000
Final Preferred Route	0.84	12-02	692469.38276200000	5655911.34373000000
Final Preferred Route	1.76	5-90	695430.22580200000	5667467.11811000000
Final Preferred Route	0.26	5-90	695739.59016700000	5667497.32363000000
Manigotagan Corner Station	0.68	5-90	696088.99409500000	5667543.35398000000
Total	23.39			

Appendix K Forestry Environmentally Sensitive Sites

Forestry Environmentally Sensitive Sites						
ID No.	ESS Name	Plantation No.	Location	ESS Location	UTM 14 NAD 83	
					Easting	Northing
6	High Value Reforestation Site	10-08	Within 100 m of Project Footprint opposite PR #304	Adjacent within 100 m	697315	5628706
7	High Value Reforestation Site	12-01	Within 100 m of Project Footprint opposite PR #304	Adjacent within 100 m	694053	5646444
8	High Value Reforestation Site	54-03	Within 100 m of Project Footprint opposite PR #304	Adjacent within 100 m	694123	5646869
9	High Value Reforestation Site	30-01	Within 100 m of Project Footprint opposite PR #304	Adjacent within 100 m	694728	5650532
10	High Value Reforestation Site	30-01	Within 100 m of Project Footprint opposite PR #304	Adjacent within 100 m	694728	5650534
11	High Value Reforestation Site	4-95	Within 100 m of Project Footprint opposite PR #304	Adjacent within 100 m	694602	5651616
12	High Value Reforestation Site	4-95	Within 100 m of Project Footprint opposite PR #304	Adjacent within 100 m	694601	5651675
13	High Value Reforestation Site	34-00	Within 100 m of Project Footprint opposite PR #304	Adjacent within 100 m	694035	5652764
14	High Value Reforestation Site	34-00	Within 100 m of Project Footprint opposite PR #304	Adjacent within 100 m	693926	5652958
15	High Value Reforestation Site	5-90	Within 100 m of Project Footprint opposite PR #304	Adjacent within 100 m	696048	5667530
16	High Value Reforestation Site	4-90	Within Project Footprint	Adjacent within 100 m	694147	5652596
17	High Value Reforestation Site	10-08	Centroid of Plantation Polygons	Intersect Footprint	697114	5628524
18	High Value Reforestation Site	4-95	Centroid of Plantation Polygons	Intersect Footprint	694588	5651649
19	High Value Reforestation Site	4-90	Centroid of Plantation Polygons	Intersect Footprint	694143	5652592
20	High Value Reforestation Site	34-00	Centroid of Plantation Polygons	Intersect Footprint	693925	5652779
21	High Value Reforestation Site	5-90	Centroid of Plantation Polygons	Intersect Footprint	696448	5667348
22	High Value Reforestation Site	3-85	Between PR #304 and Footprint	Adjacent Contained	701795	5607866
23	High Value Reforestation Site	1-90	Between PR #304 and Footprint	Adjacent Contained	702346	5608460
24	High Value Reforestation Site	2-90	Between PR #304 and Footprint	Adjacent Contained	703135	5610188
25	High Value Reforestation Site	5-87	Between PR #304 and Footprint	Adjacent Contained	702699	5610555
26	High Value Reforestation Site	5-87	Between PR #304 and Footprint	Adjacent Contained	702978	5610793
27	High Value Reforestation Site	46-07	Between PR #304 and Footprint	Adjacent Contained	704422	5614879

Forestry Environmentally Sensitive Sites						
ID No.	ESS Name	Plantation No.	Location	ESS Location	UTM 14 NAD 83	
					Easting	Northing
28	High Value Reforestation Site	9-85	Between PR #304 and Footprint	Adjacent Contained	704832	5620012
29	High Value Reforestation Site	8-06	Between PR #304 and Footprint	Adjacent Contained	701094	5623942
30	High Value Reforestation Site	01-08	Between PR #304 and Footprint	Adjacent Contained	704540	5615322
31	High Value Reforestation Site	10-08	Between PR #304 and Footprint	Adjacent Contained	696983	5628853
32	High Value Reforestation Site	23-09	Between PR #304 and Footprint	Adjacent Contained	703216	5621712
33	High Value Reforestation Site	23-09	Between PR #304 and Footprint	Adjacent Contained	703185	5621465
34	High Value Reforestation Site	22-09	Between PR #304 and Footprint	Adjacent Contained	700701	5625811
35	High Value Reforestation Site	22-09	Between PR #304 and Footprint	Adjacent Contained	700599	5625798
36	High Value Reforestation Site	22-09	Between PR #304 and Footprint	Adjacent Contained	700741	5625687
37	High Value Reforestation Site	22-09	Between PR #304 and Footprint	Adjacent Contained	699939	5626543
38	High Value Reforestation Site	22-09	Between PR #304 and Footprint	Adjacent Contained	699956	5626446
39	High Value Reforestation Site	22-09	Between PR #304 and Footprint	Adjacent Contained	699962	5626265
40	High Value Reforestation Site	22-09	Between PR #304 and Footprint	Adjacent Contained	700129	5626486
41	High Value Reforestation Site	79-03	Between PR #304 and Footprint	Adjacent Contained	693805	5637423
42	High Value Reforestation Site	4-01	Between PR #304 and Footprint	Adjacent Contained	694295	5643642
43	High Value Reforestation Site	5-01	Between PR #304 and Footprint	Adjacent Contained	694153	5643873
44	High Value Reforestation Site	5-01	Between PR #304 and Footprint	Adjacent Contained	694361	5644019
45	High Value Reforestation Site	27-07	Between PR #304 and Footprint	Adjacent Contained	693541	5643920
46	High Value Reforestation Site	81-03	Between PR #304 and Footprint	Adjacent Contained	693897	5644126
47	High Value Reforestation Site	81-03	Between PR #304 and Footprint	Adjacent Contained	694322	5644261
48	High Value Reforestation Site	54-03	Between PR #304 and Footprint	Adjacent Contained	694658	5646793
49	High Value Reforestation Site	15-01	Between PR #304 and Footprint	Adjacent Contained	694548	5647029

Forestry Environmentally Sensitive Sites						
ID No.	ESS Name	Plantation No.	Location	ESS Location	UTM 14 NAD 83	
					Easting	Northing
50	High Value Reforestation Site	15-01	Between PR #304 and Footprint	Adjacent Contained	694789	5647084
51	High Value Reforestation Site	54-03	Between PR #304 and Footprint	Adjacent Contained	694348	5647019
52	High Value Reforestation Site	15-01	Between PR #304 and Footprint	Adjacent Contained	695057	5647115
53	High Value Reforestation Site	15-01	Between PR #304 and Footprint	Adjacent Contained	695179	5647016
54	High Value Reforestation Site	15-01	Between PR #304 and Footprint	Adjacent Contained	695059	5647253
55	High Value Reforestation Site	15-01	Between PR #304 and Footprint	Adjacent Contained	695301	5647304
56	High Value Reforestation Site	64-97	Between PR #304 and Footprint	Adjacent Contained	695301	5647418
57	High Value Reforestation Site	15-01	Between PR #304 and Footprint	Adjacent Contained	695192	5647445
58	High Value Reforestation Site	54-03	Between PR #304 and Footprint	Adjacent Contained	695127	5647552
59	High Value Reforestation Site	15-01	Between PR #304 and Footprint	Adjacent Contained	695157	5647652
60	High Value Reforestation Site	14-01	Between PR #304 and Footprint	Adjacent Contained	694736	5647614
61	High Value Reforestation Site	15-01	Between PR #304 and Footprint	Adjacent Contained	695350	5647710
62	High Value Reforestation Site	55-03	Between PR #304 and Footprint	Adjacent Contained	694225	5648155
63	High Value Reforestation Site	18-01	Between PR #304 and Footprint	Adjacent Contained	695191	5648281
64	High Value Reforestation Site	18-01	Between PR #304 and Footprint	Adjacent Contained	694498	5648366
65	High Value Reforestation Site	18-01	Between PR #304 and Footprint	Adjacent Contained	695079	5648610
66	High Value Reforestation Site	18-01	Between PR #304 and Footprint	Adjacent Contained	694705	5648602
67	High Value Reforestation Site	18-01	Between PR #304 and Footprint	Adjacent Contained	694945	5648703
68	High Value Reforestation Site	18-01	Between PR #304 and Footprint	Adjacent Contained	694893	5648672
69	High Value Reforestation Site	55-03	Between PR #304 and Footprint	Adjacent Contained	694518	5648711
70	High Value Reforestation Site	18-01	Between PR #304 and Footprint	Adjacent Contained	694757	5648826
71	High Value Reforestation Site	18-01	Between PR #304 and Footprint	Adjacent Contained	694942	5648867

Forestry Environmentally Sensitive Sites						
ID No.	ESS Name	Plantation No.	Location	ESS Location	UTM 14 NAD 83	
					Easting	Northing
72	High Value Reforestation Site	28-07	Between PR #304 and Footprint	Adjacent Contained	694919	5649051
73	High Value Reforestation Site	18-01	Between PR #304 and Footprint	Adjacent Contained	694700	5649178
74	High Value Reforestation Site	18-01	Between PR #304 and Footprint	Adjacent Contained	694702	5649325
75	High Value Reforestation Site	18-01	Between PR #304 and Footprint	Adjacent Contained	694430	5649297
76	High Value Reforestation Site	30-01	Between PR #304 and Footprint	Adjacent Contained	694762	5650445
77	High Value Reforestation Site	30-00	Between PR #304 and Footprint	Adjacent Contained	694004	5651380
78	High Value Reforestation Site	31-00	Between PR #304 and Footprint	Adjacent Contained	694358	5651626
79	High Value Reforestation Site	4-90	Between PR #304 and Footprint	Adjacent Contained	694420	5652582
80	High Value Reforestation Site	12-02	Between PR #304 and Footprint	Adjacent Contained	692343	5656037
81	High Value Reforestation Site	19-08	Between PR #304 and Footprint	Adjacent Contained	695004	5650486
82	High Value Reforestation Site	23-09	Between PR #304 and Footprint	Adjacent Contained	703511	5621523
83	High Value Reforestation Site	22-09	Between PR #304 and Footprint	Adjacent Contained	700772	5625668
84	High Value Reforestation Site	22-09	Between PR #304 and Footprint	Adjacent Contained	700020	5626527
85	High Value Reforestation Site	22-09	Between PR #304 and Footprint	Adjacent Contained	700084	5626471
86	High Value Reforestation Site	33-00	Between PR #304 and Footprint	Adjacent Contained	694284	5652187
87	High Value Reforestation Site	33-00	Between PR #304 and Footprint	Adjacent Contained	694406	5652376
88	High Value Reforestation Site	33-00	Between PR #304 and Footprint	Adjacent Contained	694295	5652484
89	High Value Reforestation Site	34-00	Between PR #304 and Footprint	Adjacent Contained	694161	5652617
90	High Value Reforestation Site	34-00	Between PR #304 and Footprint	Adjacent Contained	694109	5652717
91	High Value Reforestation Site	4-90	Between PR #304 and Footprint	Adjacent Contained	693931	5652712
92	High Value Reforestation Site	3-00	Between PR #304 and Footprint	Adjacent Contained	693287	5655045
93	High Value Reforestation Site	55-02	Between PR #304 and Footprint	Adjacent Contained	692544	5655689

Forestry Environmentally Sensitive Sites						
ID No.	ESS Name	Plantation No.	Location	ESS Location	UTM 14 NAD 83	
					Easting	Northing
94	High Value Reforestation Site	13-02	Between PR #304 and Footprint	Adjacent Contained	692516	5655768
95	High Value Reforestation Site	13-02	Between PR #304 and Footprint	Adjacent Contained	692666	5655890
96	High Value Reforestation Site	12-02	Between PR #304 and Footprint	Adjacent Contained	692454	5655928
97	High Value Reforestation Site	5-90	Between PR #304 and Footprint	Adjacent Contained	695414	5667112
1	Manitoba Model Forest Research Site		Between PR #304 and Footprint		704883	5619985
2	Permanent Sample Plot		Between PR #304 and Footprint		703527	5611964
3	Permanent Sample Plot		Between PR #304 and Footprint		689888	5661767
98	Private Lands		Within Project Footprint	Adjacent Contained	700541	5605852
99	Private Lands		Within Project Footprint	Adjacent Contained	700734	5606126
101	Private Lands		Within Project Footprint	Adjacent Contained	700802	5600834