LANARK COUNTY COMMUNITY FOREST FOREST MANAGEMENT PLAN Amendment 1: 2023

Forest Management Plan Amendment 1: 2023 is a result of the review of the Management Plan scheduled for the midway point of its 20-year term. It addresses the administrative addition of a new property in Bathurst Geographic Township (Bathurst Compartment 1: Conboy) and a change in the boundaries of Lanark Compartment 7 (Ireton) found during a review of title. The changes are combined into one document as an addendum to the Management Plan.

Lanark County approved the Community Forest Vision Statement and Guiding Principles in 2010, which were incorporated into the Management Plan in 2011. They have been reviewed as part of this amendment and remain consistent with the objectives of Lanark County.

By its very nature as a long-term plan, changes in specific management approaches may be required: e.g. the emergence of a new invasive species such as beech bark disease. The Environmental Management System is designed to allow adaptation to these evolving situations without requiring amendments to the Management Plan.

The amendment has been prepared as part of the Memorandum of Understanding between the County of Lanark and Mississippi Valley Conservation Authority (MVC) by:

Upper Canada Forestry Service, Martin Streit R.P.F.

The forest resource inventory maps were prepared by:

Dorothy Hamilton, R.P.F (ret).

This Forest Management Plan Amendment 1: 2023 has been reviewed by the Community Forest Sub-Committee.

Councillor Rob Rainer
Councillor Bill King
Councillor Rickey Minnille
Councillor Toby Randell
Jonathan Allen, Lanark County Facilities Coordinator
Andy Kerr-Wilson, Lanark Stewardship Council
Steve Miller, Mississippi Valley Field Naturalists
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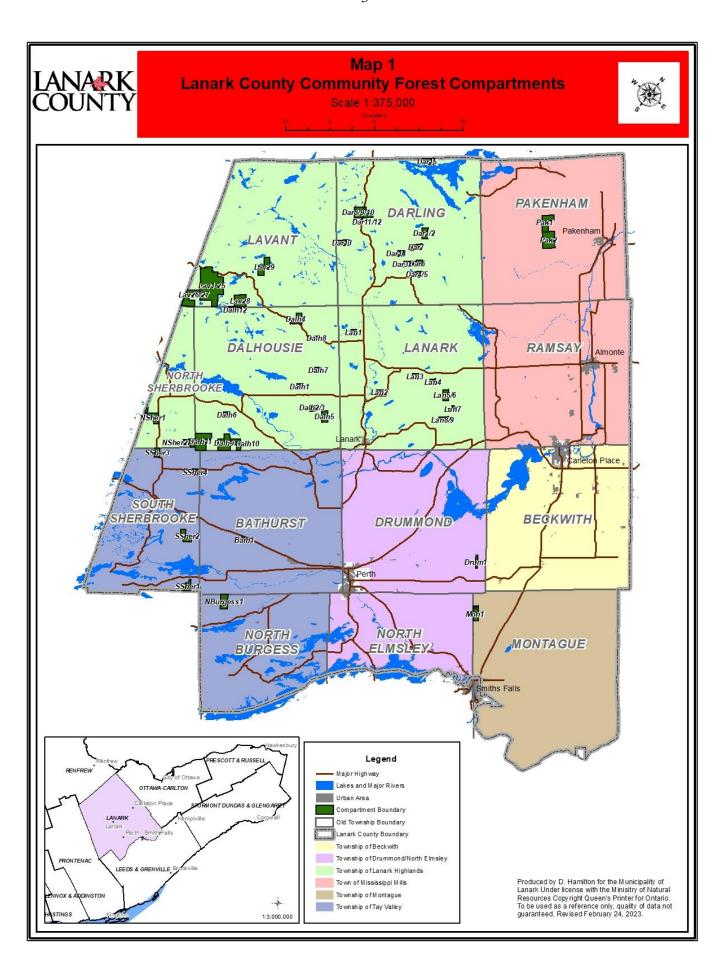
LANARK COUNTY COMMUNITY FOREST FOREST MANAGEMENT PLAN

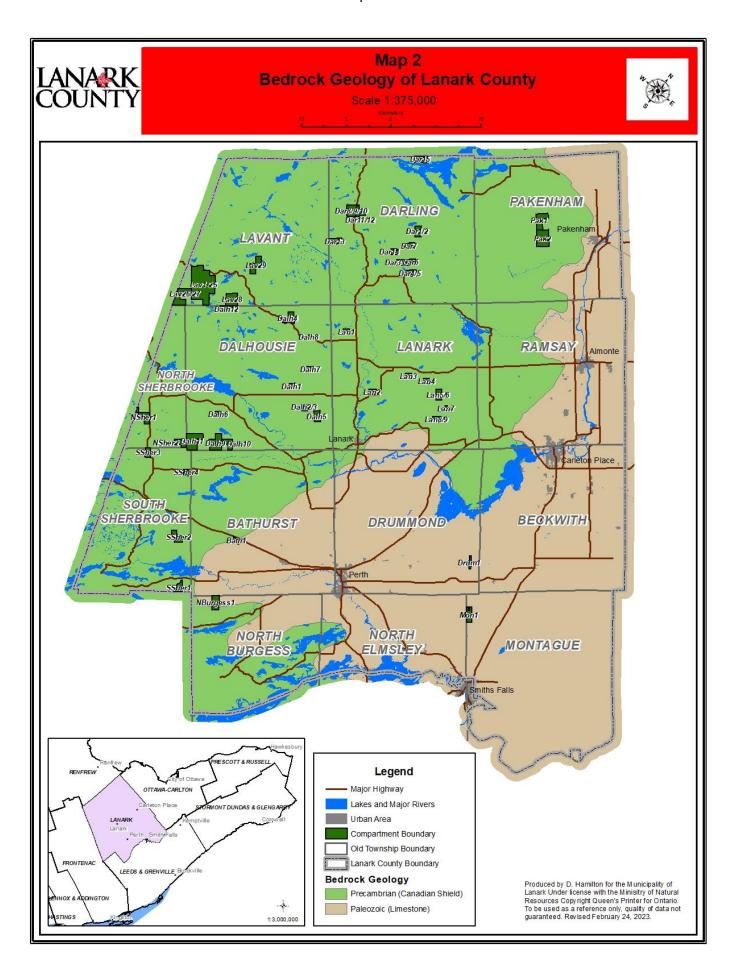
1.0 INTRODUCTION

Lanark County owns title to 4,619 hectares (11,409 acres) of land in Lanark County (Map 1, Table 2 and Appendix 1).

Table 2: Lanark County Forest Area by Township (Deeded Area).

Township	Area (Hectares)	Area (acres)	Percentage
Lanark Highlands		\	
• Lavant	1,398	3,453	
• Dalhousie	937	2,313	
Darling	739	1,825	
• Lanark	338	834	
• N. Sherbrooke	236	584	
Sub –Total	3,648	9009	78.9%
Tay Valley			
• S. Sherbrooke	312	770	
• N Burgess	121	300	
Bathurst	36	90	
Sub-Total	469	1,160	10.2%
Mississippi Mills		,	
Pakenham	405	1000	
			8.8%
Montague	77	190	1.7%
Drummond North			
Elmsley			
• Drummond	20	50	0.4%
Total	4619	11,409	100.0%





9.2 Land-base and Forest Summary

83.1 percent of the area of Lanark County properties are forested and 16.9 percent are non-forest lands, most of which are associated with water and wetlands. 64.3 percent of the forested lands are hardwood-dominated forests and 35.7 percent are dominated by conifers. 7.5 percent of the Lanark County Forest is conifer plantations consisting primarily of red pine.

89.6% of the forests on the Lanark County Forest are younger than 120 years of age. Even the older stands have not been excluded from the heavy disturbances of the past, although they may retain a component of older trees that have been identified in the FRI. For example, a previous farm woodlot that was tapped for maple syrup may contain trees that are older then 200 years of age, but likely lacks the structure and diversity of an old growth forest. Few if any undisturbed old-growth forest ecosystems remain in Lanark County although several of the best and largest examples of old forest have been preserved on Crown land (Murphy's Point Provincial Park, Darling Forest Area of Natural and Scientific Interest (ANSI), Perch Lake Pines and Billa Lake Hardwoods). Many more old forests in adjacent Renfrew, Frontenac and Lennox and Addington Counties have been protected as part of the MNRF's Madawaska Highlands Land Use Planning Process and Ontario's Living Legacy.

Table 6 Lanark County Forest Forest Summary

Forest Type	Area (Hectares)	Percentage
	Hardwoods	
Upland Tolerant Hardwood	1275.8	26.8%
Red Oak	543.4	11.4%
Hardwood Shelterwood	359.6	7.5%
Lowland Hardwoods	208.9	4.4%
Intolerant Hardwoods	160.9	3.4%
Sub-total Hardwoods	2548.6	53.5%
	Conifers	
Other Conifers	579.9	12.2%
White Pine	474.6	9.9%
Red Pine	358.5	7.5%
Sub-total Conifers	1413.0	29.6%
Sub-total All Forests	3961.6	83.1%
	Non-Forest	
Muskeg	332.5	7.0%
Open Water	174.4	3.7%
Grass and Meadow	115.8	2.4%
Brush and Alder	85.3	1.8%
Un-classified	62.3	1.3%
Rock	35.4	0.7%
Sub-total Non-forest	805.7	16.9%
Total Lanark County Forest	4767.3	100.0%

<u>Table 7 Lanark County Forest</u> <u>Forest Type Age Class Summary</u>

Forest Type	1-20	21-40	41-60	61-80	81-100	101-120	121-140	141+	Total
	Hardwoods (Hectares)								
Tolerant	3.2	0.0	14.9	121.4	313.0	718.0	82.9	22.4	1275.8
Hardwood									
Red	0.0	0.0	0.0	20.4	37.3	313.6	162.4	9.7	543.4
Oak									
Hardwood	4.0	4.6	41.1	126.4	140.2	39.2	4.1	0.0	359.6
Shelterwood									
Lowland	10.7	2.1	0.2	99.9	73.0	23.0	0.0	0.0	208.9
Hardwoods									
Intolerant	3.8	0.0	2.1	13.1	116.1	16.7	9.1	0.0	160.9
Hardwoods									
Sub-total	21.7	6.7	58.3	381.2	679.6	1110.5	258.5	32.1	2548.6
Hardwoods									
				Coni	fers (Hecta	res)			
Other	17.3	0.0	30.7	51.8	191.9	226.4	51.7	10.1	579.9
Conifers									
White	14.9	4.4	10.2	29.5	156.1	201.8	45.6	12.1	474.6
Pine									
Red	0.0	14.9	159.5	174.1	10.0	0.0	0.0	0.0	358.5
Pine									
Sub-total	32.2	19.3	200.4	255.4	358.0	428.2	97.3	22.2	1413.0
Conifers									
Total	53.8	26.0	258.6	636.6	1037.6	1538.7	356.0	54.3	3961.6
% Age Class	1.3%	0.7%	6.5%	16.1%	26.2%	38.8%	9.0%	1.4%	100.0%

Table 14 Natural Heritage and Cultural Values Summary

Compartment No.	Provincially Significant Wetlands (Ha)	Other Wetlands (Ha)	Lakes (Ha)	Streams and Rivers (Km)	Constructed Drains (Km)	Waterfowl Staging Areas (Ha)	Deer Wintering Areas (Ha)	Forest FRI Age > 110 (Ha)	Cultural Values
BATH1									Recreation Trail
DALH1		0.2		0.5					
DALH2/3		8.3		0.9					
DALH4		10.0		2.3				16.7	Old Homestead
DALH5		1.9		1.0					
DALH6							9.0		
DALH7		7.9		1.8					
DALH8		2.2		0.4					
DALH9		37.7		3.4				7.4	Old Homestead
DALH10		6.5		1.2					Old Homestead
DALH11		33.6		3.4					Old Homestead
DALH12		0.3		0.03					
DAR1/2		3.6		1.8					
DAR3		1.3		1.1					Growth and Yield
DAR4/5		6.4		1.1			47.2		
DAR6		1.6		0.6					Pioneer Cemetery
DAR7		15.8		3.0					
DAR8/9/10		4.2		1.8				14.2	
DAR11/12		1.7		0.6				3.0	
DAR13		12.3		1.0			80.1	5.5	

Table 14 (Continued) Natural Heritage and Cultural Values Summary

Compartment No.	Provincially Significant Wetlands (Ha)	Other Wetlands (Ha)	Lakes (Ha)	Streams and Rivers (Km)	Constructed Drains (Km)	Waterfowl Staging Areas (Ha)	Deer Wintering Areas (Ha)	Forest FRI Age > 110 (Ha)	Cultural Values
DAR14		4.1		1.1					
DAR15		11.2		1.7		91.7			
DRUM1	22.7	3.4		0.2	0.24				
LAN1		0.1							
LAN2		11.4		1.4				0.2	Recreational Trail
LAN3		5.6		1.0			6.5		
LAN4		0.4		0.2					
LAN5/6		6.1		1.1				1.2	
LAN7		2.1							
LAN8/9		12.5		0.8					
LAV1-25		92.6	12.5	9.2				42.2	Water Access Point
LAV26/27		43.3	12.5	2.7			16.0	5.8	
LAV28		4.6		0.4					Growth and Yield
LAV29		12.5	4.4	3.2				8.1	
MON1		3.9		0.2	0.18				
NBURGESS1		30.7		3.0					Old Homestead
NSHER1		8.5		1.7				17.5	
NSHER2		18.8		2.4					
PAK1/2		85.6		7.1				47.2	Old Homestead
SSHER1		19.6		0.8					
SSHER2		17.8		1.8			65.1		
SSHER3	8.0	9.4		0.3				3.0	
SSHER4		3.5		0.5				13.6	

10.3.1 Riparian Areas: Wetlands, Lakes and Rivers

OTHER WETLANDS

Almost all of the County Forest compartments contain wetlands. In Table 6, these areas include the non-forest categories of "muskeg", "brush and alder" and 'open water" (less the area of the 5 lakes listed in Table 15). There is a total area of 563.2 hectares of other wetlands on the Lanark County Forest. This represents 11.8 % of the total area of the Forest.

Appendix 1 Lanark County Community Forest Compartment List (2023)

Ward	Compartment	Lot	Con	Name	Deeded		FRI Ar		Date	Total
					Hectares	Acres	Hectares	Acres	Purchased	Price
Bathurst	1	9	V	Conboy	36.3	89.75	37.6	93.0	2020	Donation
Dalhousie	1	E1/2 12	IV	Bartraw	40.5	100	42.5	104.9	1954	\$ 400.00
Dalhousie	2,3	E1/2 8	III	Watson/ Schonauer	36.4	90	38.2	94.3	1962	
Dalhousie	4	PT 24, E 1/2 25	IV	Hart	113.8	281	104.3	257.5	1970	\$ 10,912.50
Dalhousie	5	E1/2 6, E 1/2 7	II	Wright	78.9	195	87.4	215.8	1971	
Dalhousie	6	E1/2 7	Χ	Cameron	40.5	100	42.1	104.0	1973	
Dalhousie	7	W 1/2 15	II.	Bartraw	38.5	95	39.8	98.3	1972	
Dalhousie	8	W 1/2 21	II	Lanark Co-op	26.3	65	26.2	64.7	1972	
Dalhousie	9	1, 2, E 1/2 3	X	Thorne	202.4	500	211.8	523.2		\$ 50,000.00
Dalhousie	10	PT E1/2 1, PT 2	IX	Thorne	99.2	245	104.7	258.5		\$ 26,950.00
Dalhousie	11	1-3	XII	Thorne	239.7	592	263.6	651.0		\$ 56,240.00
24040.0	• •	E 1/2 3	XI		200	552	200.0	000	.000	φ σσ,= .σ.σσ
Dalhousie	12	27	IX	Scott, Pierson	20.2	50	13.6	33.5	1985	\$ 6,500.00
					936.4	2313	974.0	2405.8	:	\$ 170,277.50
Darling	1,2	W 1/2 13, W 1/2 14	VIII	Halpenny	68.4	169	80.9	199.7	1960	\$ 800.00
Darling	3	E1/2 8	VI	Caldwell	38.9	96	61.3	151.5	1961	
_ ag	· ·	PT W 1/2 8	VII	oa.a.ro	14.6	36	00		1966	
Darling	4,5	PT 6	VII	Bowes	72.9	180	80.6	199.0	1960	•
Darling	6	PT 8	VII	Caldwell	66.4	164	65.8	162.4	1966	
Darling	7	11	VII	King	81.0	200	79.6	196.6	1970	
Darling	8,9,10	E 1/2 17, 18	II	James	122.7	303	127.2	314.3		\$ 10,000.00
Darning	0,0,10	PT 17, Pt W 1/2 18	III	damos	122.7	000	127.2	011.0	1070	Ψ 10,000.00
Darling	11,12	PT 17, Pt W 1/2 18	III	James	74.9	185	81.7	201.7		
Darling	13	12	 I	Lee	81.0	200	86.3	213.0	1978	\$ 20,000.00
Darling	14	W1/2 10	VI	Gamble	40.5	100	41.3	101.9		\$ 5,000.00
Darling	15	PT 26, 27	VIII	Darling Twp	77.7	192	91.8	226.7		\$ 20,000.00
Daning	.0	1 1 20, 27	****		738.9	1825	796.3	1966.9		\$ 63,900.00
Drummond	1	PT 25	III	Young	20.2	50	30.8	76.1	1972	\$ 1,850.00
Diaminona	'	1123	""	Tourig	20.2	30	30.0	70.1	1372	φ 1,030.00
Lanark	1	W 1/2 22	II	Bulloch	38.5	95	41.1	101.6	1961	•
Lanark	2	W 1/2 11	IV	Baird	36.0	89	42.0	103.7	1963	
Lanark	3	W 1/2 14	VII	Rodger	40.5	100	40.9	101.0	1963	
Lanark	4	E1/2 13	VIII	Rodger	40.5	100	40.0	98.8	1963	
Lanark	5,6	E1/2 10, E 1/2 11	IX	Ireton	81.0	200	79.6	196.6	1963	
Lanark	7	Pt 8	X	Ireton	40.5	100	35.4	87.4	1962	
Lanark	8,9	E 3/4 6	IX	Ireton	40.5	100	61.8	152.7	1962	
				Stolfa	20.2	50			1971_	\$ 1,500.00
					337.7	834	340.8	841.8	3	\$ 6,911.00

Appendix 1 Lanark County Community Forest Compartment List (2023)

Ward	Compartment	Lot	Con	Name	Deeded /	Area	FRI Are	ea	Date	Total
	·				Hectares	Acres	Hectares	Acres	Purchased	Price
Lavant	1-25	W 1/2 Lots 1-6, E1/2 Lots 4-5	X	Lavant Main	809.7	2000	886.8	2190.5	1938 \$	6,500.00
		2-7	ΧI							
		E 1/2 3	X	Boyd	40.5	100			1970 \$	2,500.00
Lavant	26	3	XII, XIII	Woods	183.4	453	218.7	540.1	1975	50,000.00
		1,2	XIII							
Lavant	27	W 1/2 1	XII	Coupland	40.5	100			1973	4,000.00
Lavant	28	1, 2	VII	Kammersgaard	161.9	400	179.0	442.2	1979	36,000.00
Lavant	29	W 1/2 7, 8, E 1/2 9	VI	Bickerstaff	161.9	400	153.9	380.1	1987 \$	79,000.00
					1398.0	3453	1438.4	3552.9	9	178,000.00
Montague	1	Pt 30	IX	Desalvo	76.9	190	90.7	223.9	1973	7,850.00
N Burgess	1	W 1/2 21, 22	Χ	Peckett	121.5	300	130.5	322.2	1986	35,000.00
N Sherbrooke	1	E1/2 6, 7	IV V	Hands	137.2	339	131.2	324.2	1971, 73	9,720.00
N Sherbrooke	2	E1/2 1, 2	ĭ	Lesnick	99.2	245	97.6	241.1	1982	27,000.00
onerbrooke	_	L 1/2 1, 2		EGGINGK	236.4	584	228.8	565.2		36,720.00
Pakenham	1,2	11, 12, 13, W 1/2 14, W 1/2 15, 16	VI	Amyot	404.9	1000	417.7	1031.7	1970	12,000.00
S Sherbrooke	1	PT 19, 20	ı	McNaughton	89.1	220	84.0	207.6	1973	8,500.00
S Sherbrooke	2	N 1/2 19, S 1/2 20	V	Conboy	101.2	250	103.5	255.6	1974	14,500.00
S Sherbrooke		14	XII	McNaughton	81.0	200	61.0	150.7	1977	30,000.00
S Sherbrooke	4	N 1/2 21	X	McNaughton	40.5	100	33.0	81.6	1977	
				Ţ	311.7	770	281.6	695.5	\$	53,000.00
All				Г	4619	11409	4767.3	11775.1	9	565,508.50

County of Lanark Forest Compartment Bathurst 1 – Conboy FRI Area: 37.6 Hectares

Table 1 - Forest Type

Stand No.	Hectares (Ha)	Forest Type	Species Composition	Stand Age 2022	Height (M)	Stocking	Site Index	Stand Modifier
BAT09080	1.4	PW	PW 60 CE 30 BF 10	25	3	0.7	1	
BAT09083	8.9	SEL	CE 20 BY 20 AG 20 HE 20 MS 10 PW 10	85	18	0.8	1	
BAT09185	2.2	LH	AG 30 PO 30 CE 20 PW 20	30	10	0.3	1	
BAT09486	4.6	HDUS	PO 20 PW 20 ID 20 CE 20 AG 20	30	3	0.3	2	
BAT09283	1.2	CON	CE 20 PW 20 SW 20 AB 20 MS 10 BF 10	40	5	0.5	2	
BAT09485	2.6	CON	CE 100	70	10	0.7	1	
BAT09084	3.7	HDUS	PO 30 PW 20 MH 20 ID 20 EW 10 BF 10	40	15	0.5	1	
BAT09385	0.8	SEL	MH 40 PW 30 CE 20 CB 10	40	15	0.6	1	
BAT09382	0.2	LH	AG 70 EW 20 CE 10	40	14	0.7	1	
BAT08784	6.1	PW	PW 20 PO 20 SW 20 AG 20 MH 10 CE 10	76	18	0.7	1	
BAT99182	2.4	SEL	MH 50 CE 10 IW 10 MS 10 PO 10 PW 10	60	9	1	1	
BAT09182	0.3	SEL	MH 50 CE 10 IW 10 MS 10 PO 10 PW 10	60	9	1	1	
	34.4							

Table 2 - Non-Forest Types

Description	Hectares
Brush & Alder	0.0
Grass & Meadow	2.9
Muskeg	0.0
Rock	0.3
Unclassified Land	0.0
Urban/Rural	0.0
Water	0.0
Total	3.2

County of Lanark Forest Compartment Lanark 7 – Ireton

FRI Area: 35.4 Hectares

Table 1 - Forest Type

Stand No.	Hectares (Ha)	Forest Type	Species Composition	Stand Age 2022	Height (M)	Stocking	Site Index	Stand Modifier
1880	8.5	PR	PR 100	55	22	0.7	1	1.CP2D
1954	5.1	PW	PW 30 MH 20 PO 20 AB 10 BW 10 SW 10	105	21	0.7	2	.7P1 DM
2105	3.8	SEL	MH 60 BE 30 HE 10	80	20	1.1	1	1.M6 DM
2154	8.3	PW	PW 30 CE 20 MH 20 PO 10PR 10 SW 10	85	17	0.7	1	.7P1 DM
7849	7.6	SEL	MH 50 PO 20 BD 10 OR 10	50	18	0.9	1	
	33.3							

Table 2 - Non-Forest Types

Description	Hectares
Brush & Alder	1.3
Grass & Meadow	0.0
Muskeg	0.8
Rock	0.0
Unclassified Land	0.0
Urban/Rural	0.0
Water	0.0
Total	2.1

