

THE EARLY SETTLEMENT OF EMILY TOWNSHIP, ONTARIO.

by

Michael Charles Stephenson

A dissertation submitted to Trent University,  
Department of Geography,  
in partial fulfilment of the requirements of the degree  
of Bachelor of Science with Honours.

Peterborough, Ontario

April, 1995

For my father Charles,  
grandfather William,  
and great-grandfather  
Thomas Stephenson,  
Emily Township persists.

'... when we say the word "Heimat", then a wave  
passes over our hearts; in all our loneliness  
we are not completely alone ... Heimat is  
Mother Earth. Heimat is landscape we have  
experienced ... our Heimat is the land  
which has become fruitful through the sweat  
of our ancestors ...' (Yi-Fu Tuan, 1977).



## ACKNOWLEDGEMENTS

The author would first like to thank his wife, Mary Lynne, and my two daughters, Emily and Caitlin, for their support and tolerance of the unremitting unsocial behaviour caused by the hours and days that this thesis consumed. I'll be home more - soon.

I would also like to thank Steve Gardiner for his help with the settlement map labels, and thanks also to Professor Fred Helleiner, with his enlightening and frightening red pen, for being my second reader. Many thanks to my adviser, Professor Susan Wurtele, for her interest, comments, and advice in the preparation of this thesis.

Finally, I would like to acknowledge the debt that is owed to the Emily Township assessors and officials who collected and preserved the census and assessment information.

# TABLE OF CONTENTS

Dedication	(i)
Acknowledgements	(ii)
Table of Contents	(iii)
List of Figures	(v)
List of Tables	(viii)
 Chapter One     INTRODUCTION	 1
1.1 Settlement Research	1
1.2 Thesis Statement	1
1.3 Research Objectives	2
1.4 Research Design	2
1.5 Hypotheses	3
1.6 Definitions	3
 Chapter Two     LITERATURE REVIEW	 5
2.1 Historical Geography	5
2.2 Pre-Settlement Emily	7
2.3 Settler Location	8
2.4 Persistence	9
2.5 Land Clearance	10
2.6 Propinquity	11
2.7 The Wheat Economy	11
 Chapter Three     STUDY AREA and METHODOLOGY	 13
3.1 Field Study Area	13



3.2 Data Collection	17
Chapter Four DATA ANALYSIS and DISCUSSION	22
4.1 Introduction	22
4.2 Settlement Pattern 1820-1825	23
4.3 Tests For Association 1821-1825	53
4.4 The Arrival of the Robinson Emigrants 1825	55
4.5 Tests For Association 1826-1830	70
4.6 Settlement Pattern 1826-1841	73
4.7 Robinson, Non-Robinson, Persistent, Successful Settlers - 1830-1841-1851	87
4.8 Tests For Association 1841-1851	102
4.9 Tests For Differences - Robinson vs. Non-Robinson	109
4.10 Analysis of Variance Tests	110
4.11 Regression Analysis	113
4.12 Multiple Regression Analysis	115
4.13 Residual Analysis	117
4.14 Summary of Hypotheses Tests	124
4.15 Emily Township - 1851	125
Chapter Five CONCLUSION	128
References	130
Appendix	
ONE Data Set - Emily Township Census and Assessments 1820-1851	136
TWO Emily Township Settlement Statistics 1820 - 1851	165

## LIST OF FIGURES

FIGURE		PAGE
3.1	Key Map Showing Location of Emily Township	14
3.2	Emily Township Base Map	15
3.3	Emily Township - Surficial Geology	16
3.4	Emily Township Soils	18
4.1	Northumberland District (1830)	24
4.2	John Huston's Census of Emily Township 1820	26
4.3	Emily Township Settlement Pattern - 1820	27
4.4	Nearest-Neighbor Statistic Scale	28
4.5	Emily Township - Crown and Clergy Reserves	29
4.6	Emily Township Settlement Pattern - 1821	30
4.7	Total Land Allocations and Settlers-1820-1851	33
4.8	Emily Township Settlement Pattern - 1821	35
4.9	Land Allocated, Occupied, Vacant 1820-1851	36
4.10	Emily Township Settlement Pattern - 1823	37
4.11	Emily Township Settlement Pattern - 1825	38
4.12	Frequency Histogram of Settler Persistence - 1820-1825	40
4.13	Frequency Histogram of Settler Present/Gone Next Census Year 1820-1825	41
4.14	Family Size and Population Density 1820-1851	43
4.15	Total Population and Settlers 1820-1851	44
4.16	Class VI Non-Agricultural Soils	45
4.17	Class I Agricultural Soils	46



4.18	Frequency Histogram of Farm Soil Type - Occupied Farms 1820-1825	48
4.19	Population Density and Land Cleared 1820-1851	49
4.20	Percentage Occupied and Percentage Cleared 1820-1851	50
4.21	Emily Township Land Clearance 1820-1851	52
4.22	Emily Township Population 1820-1851	57
4.23	Emily Township Settlement Pattern - 1826	58
4.24	Emily Township Settlement Pattern - 1827	63
4.25	Emily Township Settlement Pattern - 1828	64
4.26	Emily Township Settlement Pattern - 1830	65
4.27	Occupied and Vacated Land 1820-1851	66
4.28	Frequency Histogram of Settler Persistence- 1826-1830	68
4.29	Settlers and Settlers with Kin 1820-1851	69
4.30	Transportation Routes 1830-1841	74
4.31	Emily Township Settlement Pattern - 1841	76
4.32	Occupied Land - % of Emily 1820-1851	77
4.33	Occupied Land and Cleared Land 1820-1851	78
4.34	Unsettled Crown/Clergy Reserves and Canada Co. Lots	80
4.35	Occupied and Patented Land, Emily Township 1820-1851	81
4.36	(A,B,C,D,) Emily Township Land Patenting 1820-1846	82
4.37	Frequency Histogram of Settler Persistence 1841-1851	85
4.38	Mean Clear Land (% of Farm)	89

4.39	Mean Number of Years Settled	90
4.40	Mean Clearing Rate (acres per year per settler)	91
4.41	Mean Farm Size (acres)	93
4.42	Mean Total Livestock	94
4.43	Mean Family Size	95
4.44	Persistent, Successful, and Persistent and Successful Settlers - 1830	100
4.45	Persistent, Successful, and Persistent and Successful Settlers - 1841	101
4.46	Persistent, Successful, Persistent and Successful, and Top Wheat Growers - 1851	103
4.47	Emily Township and District - Grist Mill Locations	106
4.48	Location of Outliers - Standardized Residuals 1822 and 1825	119
4.49	Location of Outliers - Standardized Residuals 1826 and 1827	120
4.50	Location of Outliers - Standardized Residuals 1828 and 1830	121
4.51	Location of Outliers - Standardized Residuals 1841 and 1851	122
4.52	Emily Township Settlement Pattern - 1851	126



## LIST OF TABLES

TABLE		PAGE
4.1	Selected Settlement Statistics 1820-1825	32
4.2	Emily Township Kinship Distance 1820-1826	42
4.3	Summary of Chi-Square Tests 1821-1825	54
4.4	Significant Linear Correlations 1822-1825	54
4.5	Selected Settlement Statistics 1826-1830	61
4.6	Summary of Chi-Square Tests 1826-1830	71
4.7	Significant Linear Correlations 1826-1830	72
4.8	Selected Settlement Statistics 1841-1851	84
4.9	Identical Surname Count	86
4.10	Sample Group - Definitions	87
4.11	1830 Correlation Coefficients	96
4.12	1841 Correlation Coefficients	97
4.13	1851 Correlation Coefficients	98
4.14	Summary of Chi-Square Tests 1841-1851	104
4.15	Summary of Chi-Square Tests for Robinson vs. Non-Robinson Settlers	107
4.16	Significant Linear Correlations 1841-1851	108
4.17	Summary of Robinson/Non-Robinson T-Test Results	109
4.18	Time Settled - Analysis of Variance Summary	111
4.19	Analysis of Variance Summary 1841-1851	112
4.20	Regression Summary	114
4.21	Multiple Regression Summary 1822-1851	116