

Table of Contents

List of Tables	vi
List of Figures	vii
List of Appendices	viii
Introduction	1
Section 1 Description of the Land Base.....	2
1.1 General.....	2
1.1.1 Location	2
1.1.2 History	2
1.1.3 Ownership	5
1.2 Physical	7
1.2.1 Topography and Hydrology	7
1.2.2 Geology	8
1.2.3 Soils	9
1.2.4 Climate	10
1.3 Ecosystems	11
1.3.1 Forest Ecosystems	11
1.3.2 Ecoregions and Subregions	12
1.3.2.1 The Long Range Barrens Ecoregion.....	14
1.3.2.1.1 Buchans Plateau – Topsail Subregion.....	16
1.3.2.1.2 Southern Long Range Subregion.....	16
1.3.2.2 Western Newfoundland Forest Ecoregion	16
1.3.2.2.1 Codroy Subregion	17
1.3.2.2.2 Corner Brook Subregion.....	17
1.3.2.2.3 Port au Port Subregion.....	18
1.3.2.2.4 Serpentine Range Subregion.....	18
1.3.2.2.5 St. George’s Bay Subregion.....	18
1.3.2.3 Central Newfoundland Ecoregion	19
1.3.2.3.1 Portage Pond Subregion.....	19
1.3.2.3.2 North Central Subregion	20
1.3.2.4. Maratime Barrens Ecoregion.....	20
1.3.2.4.1 Central Barrens Subregion	20
1.3.2.4.2 South Coast Barrens Subregion.....	21
1.4 Ecosystem Dynamics	21
1.4.1 Ecosystem Condition and Productivity	21
1.4.1.1 Productivity	22
1.4.1.2 Resilience	23
1.4.1.3 Stability	24
1.4.1.4 Disturbance Regimes and Successional Patterns.....	25

1.4.1.4.1 Harvesting	25
1.4.1.4.2 Fire	26
1.4.1.4.3 Insect	27
1.4.2 Biodiversity	27
1.4.2.1 Species Diversity	29
1.4.2.2 Genetic Diversity	29
1.4.2.3 Landscape Diversity	29
1.5 Forest Characterization	30
1.5.1 Land Classification	30
1.5.2 Age Class	34
1.5.3 Site Class	34
1.5.4 Species and Working Group	37
1.5.5 Forest Disturbances	37
Section 2 Past Activities	40
2.1 District 14	40
2.1.1 Summary of Past Activities	40
2.2 District 15	41
2.2.1 Summary of Past Activities	41
Section 3 Timber Supply Analysis	42
3.1 Introduction	42
3.2 Guiding Principles and Policy Direction	42
3.3 Factors Affecting Timber Supply	43
3.4 Timber Supply Analysis	44
3.4.1 Forest Characterization	44
3.4.2 Land Availability	45
3.4.2.1 Non-Timber Related	45
3.4.2.1.1 No-Cut Buffer Zones	46
3.4.2.1.2 Pine Marten and Caribou Habitat	46
3.4.2.1.3 Wildlife Corridors	46
3.4.2.1.4 Protected Areas	46
3.4.2.1.5 Watersheds	47
3.4.2.2 Timber Related	47
3.4.2.2.1 Insect/Fire/Disease Losses	47
3.4.2.2.2 Logging Losses	47
3.4.2.2.3 Operational Constraints	48
3.4.3 Growth Forecasting	48
3.4.4 Management Strategies	49
3.4.4.1 Harvest Flow Constraints	49
3.4.4.2 Spatial Analysis	50
3.4.4.3 Planning Horizons	51
3.4.4.4 Operable Growing Stock Buffer	51
3.4.4.5 Old Forest Targets	52
3.4.4.6 Operability Limits	52
3.4.4.7 Silviculture	53

3.5 Inventory Adjustments	53
3.5.1 Fire	54
3.5.2 Insects	54
3.5.3 Timber Utilization	54
3.5.4 Stand Remnants	55
3.6 Results	55
3.6.1 District 14	55
3.6.1.1 Sensitivity Analysis	56
3.6.1.2 Forest Composition and Structure Change	57
3.6.2 District 15	59
3.6.2.1 Sensitivity Analysis	60
3.6.2.2 Forest Composition and Structure Change	60
Section 4 Values	
4.1 Guiding Principles of Sustainability	61
4.2 Value Description	62
4.2.1 Biotic Values	64
4.2.1.1 Big Game	64
4.2.1.1.1 Moose	64
4.2.1.1.2 Caribou	65
4.2.1.1.2 Black Bear	66
4.2.1.2 Furbearers	68
4.2.1.3 Species of Interest	69
4.2.1.3.1 Pine Marten	69
4.2.1.3.2 Piping Plover	71
4.2.1.3.3 Rare Plants	73
4.2.1.3.4 Other Species	75
4.2.1.4 Water Resources	76
4.2.2 Human Values	77
4.2.2.1 Timber Resources	77
4.2.2.2 Agriculture	79
4.2.2.3 Mining	81
4.2.2.4 Historic Resources	82
4.2.2.5 The Greater Gros Morne Ecosystem	84
4.2.2.6 Newfoundland T'Railway	86
4.2.2.7 Parks and Protected Areas	87
4.2.2.8 Outfitting	88
4.2.2.9 Recreation	91
4.2.2.10 Tourism	92
Section 5 Public Consultation Process	94
5.1 Planning Objectives	94
5.2 Planning Framework	95
5.3 Planning Team Participation	96
Section 6 Management Objectives and Strategies	98

6.1 Harvesting	98
6.1.1 Commercial	98
6.1.2 Domestic	99
6.2 Silviculture	100
6.2.1 Forest Renewal	100
6.2.2 Forest Improvement	101
6.3 Access Roads	103
6.4 Forest Protection	104
6.4.1 Insects and Disease	104
6.4.2 Fire	105
6.4.3 Wind Throw	106
6.5 Information and Education	106
Section 7 Proposed Activities	107
7.1 District 14.....	107
7.1.1 Overview	107
7.1.2 Allocation of Timber Supply	108
7.1.2.1 Commercial	109
7.1.2.2 Domestic	109
7.1.2.3 Hardwoods	110
7.1.3 Silviculture	110
7.1.4 Primary Access Roads and Bridges	111
7.1.5 Activities in Protected Water Supply Areas	112
7.1.6 Environmental Protection	112
7.1.6.1 Fire	112
7.1.6.2 Insect and Disease	113
7.1.6.3 General Environment	113
7.1.7 Surveys	113
7.1.8 Information and Education	114
7.2 District 15	114
7.2.1 Overview	114
7.2.2 Allocation of Timber Supply	114
7.2.2.1 Commercial	116
7.2.2.2 Domestic	116
7.2.2.3 Hardwoods	117
7.2.3 Silviculture	117
7.2.4 Primary Access Roads and Bridges	118
7.2.5 Activities in Protected Water Supply Areas	119
7.2.6 Environmental Protection	119
7.2.6.1 Fire	119
7.2.6.2 Insect and Disease	120
7.2.6.3 General Environment	120
7.2.7 Surveys	120
7.2.8 Information and Education	121
Section 8 Mitigations.....	121

Section 9 Plan Administration	124
9.1 Monitoring	124
9.1.1 Operational Level	124
9.2 Amendments	125

List of Tables

Table 1 Percentage of Ecoregions and Subregions in Planning Zone 6.....	15
Table 2 Land Classification by district and ownership in hectares for Planning Zone 6	32
Table 3 Summary of softwood harvest in District 14 by CBPPL for 2002 to 2008...	40
Table 4 Summary of silviculture treatments on CBPPL limits in District 14 from 2002 to 2008	41
Table 5 Summary of harvest in District 15 by CBPPL for 2002 to 2008.....	41
Table 6 Summary of silviculture treatments on CBPPL limits in District 15 from 2002 to 2008	42
Table 7 Annual Allowable Cut results for CBPPL limits in District 14.....	55
Table 8 Annual Allowable Cut results for CBPPL limits in District 15.....	59
Table 9 Proposed harvest on CBPPL limits in District 14 from 2009-2013.....	109
Table 10 Summary of CBPPL harvest by operating area in District 14 for 2009-2013...	110
Table 11 Summary of silviculture treatments in District 14 for 2009-2013.....	111
Table 12 Primary access road construction on CBPPL Limits in District 14 for 2009- 2013.....	111
Table 13 Proposed harvest on CBPPL limits in District 15 from 2009-2013.....	116
Table 14 Summary of CBPPL harvest by operating area in District 15 from 2009- 2013.....	117
Table 15 Summary of Silviculture Treatments on CBPPL Limits in District 15 from 2009- 2013.....	118
Table 16 Summary of Primary Access Road Construction on CBPPL Limits in District 15 2009 – 2013.....	119

List of Figures

Figure 1 Location of Planning Zone 6	4
Figure 2 Ownership map of Planning Zone 6 showing transfers and exchanges	6
Figure 3 Ecoregions and Subregions in Planning Zone 6.....	13
Figure 4 Land class breakdown for all ownerships in District 14	33
Figure 5 Land class breakdown for all ownerships in District 15	33
Figure 6 Age class distribution for all ownerships in District 14	35
Figure 7 Age class distribution for all ownerships in District 15	35
Figure 8 Site class breakdown for all ownerships in District 14	36
Figure 9 Site class breakdown for all ownerships in District 15	36
Figure 10 Working group breakdown for all ownerships in District 14	38
Figure 11 Working group breakdown for all ownerships in District 15	38
Figure 14 Overview of proposed operating areas for all ownerships in District 14	Appendix 3
Figure 15 Overview of proposed operating areas for all ownerships in District 15	Appendix 4

List of Appendices

Appendix 1 Environmental Protection Guidelines for Ecologically Based Forest Resource Management

Appendix 2 List of invitees and planning team members for Districts 14 and 15

Appendix 3 Operating area maps and descriptions for District 14

Appendix 4 Operating area maps and descriptions for District 15