

**Townshend State Forest  
Long Range Management Plan**

**Table of Contents**

<b>Sign-off Sheet .....</b>	<b>1</b>
<b>Overview of Land Management by the VT Agency of Natural Resources .....</b>	<b>2</b>
<b>I. Mission Statements.....</b>	<b>4</b>
<b>II. Parcel Description.....</b>	<b>5</b>
Location/Size Information with Maps.....	5
Natural Resource Highlights .....	5
Vermont Biophysical Regions Location Map .....	6
Land Use History/Cultural Resources.....	7
Recreation Resources.....	7
Timber Resources .....	7
USGS Map.....	8
Amended Base Map .....	9
Ortho Photo .....	10
Acquisition History .....	11
Legal Constraints, Funding Issues .....	11
Purpose for Ownership .....	11
Relationship to the Region .....	12
Future Acquisition/Disposition .....	12
<b>III. Public Input .....</b>	<b>13</b>
<b>IV. Resource Analysis .....</b>	<b>14</b>
Ecological Assessment .....	14
Coarse Filter Assessment.....	14
Biophysical Region and Climate.....	14
Bedrock Surficial Geology and Soils.....	14
Hydrology/Streams/Rivers.....	15
Natural Community Types.....	15
Natural Communities Map.....	17
Description of Natural Communities.....	18
Fine Filter Assessment.....	23
Rare, Threatened, and Endangered Species.....	23
Critical Wildlife Habitats.....	23
Wildlife .....	23
Bear .....	23
Deer .....	24
Turkey.....	24
Grouse .....	24
Critical Wildlife Resources Map .....	25
Bear Habitat Map .....	26
Fish.....	27
Other Quality of Habitat Concerns.....	27
Non-native Species .....	27

Core Forest.....	28
Wildlife Movement Corridors.....	28
Land Use History .....	28
Recreational Assessment .....	29
Townshend State Park.....	29
Hiking Trails.....	30
Picnic Area .....	31
Primitive Camping.....	31
Other Activities.....	31
Recreation Map Showing Primitive Camping.....	32
Timber Resource Assessment.....	33
Soils .....	33
Forest Types .....	33
Northern Hardwood.....	33
Mixed Softwood .....	33
Hemlock.....	34
Forest Stand Characteristics.....	34
Forest Sustainability.....	35
Cultural Resources .....	35
Cultural Resources Map .....	39

**V. Management Strategies and Actions..... 40**

Land Use Categories .....	40
Definitions of Land Use Categories .....	40
Management Strategies.....	41
Highly Sensitive Areas .....	41
Bald Mountain Sensitive Area.....	41
Ecological.....	41
Cultural .....	41
Recreation.....	41
Utilization.....	41
Negro Brook and Wooded Buffer Area.....	42
Ecological.....	42
Cultural .....	42
Recreation.....	42
Utilization.....	42
Unique and Special Areas.....	42
Sugar Maple-Ostrich Fern Riverine Floodplain Forest.....	42
Ecological.....	42
Cultural .....	42
Recreation.....	42
Utilization.....	42
Historic/Cultural Forest .....	43
Ecological .....	43
Cultural .....	43
Recreation .....	43
Utilization.....	43
Poor Fen Bog and Vernal Pools .....	43
Ecological.....	43
Cultural .....	43
Recreation .....	43
Utilization.....	43
Use Area Classifications Map .....	44

Critical Deer Wintering Area .....	45
Ecological .....	45
Cultural .....	45
Recreation .....	45
Utilization .....	45
General Use Area .....	45
Productive Forest Land .....	45
Ecological .....	45
Cultural .....	46
Recreation .....	46
Utilization .....	46
Intensive Use Area .....	46
Townshend State Park .....	46
Ecological .....	46
Cultural .....	46
Recreation .....	47
Utilization .....	47
Soil Productivity .....	47
Soils Map .....	49
Soils Productivity Map .....	50
Timber Harvest Objectives .....	51
Water Resources .....	52
Fire Management .....	52
<b>VI. Implementation Schedule .....</b>	<b>53</b>
Vegetation Management Map .....	54
<b>VII. Monitoring and Evaluation .....</b>	<b>55</b>
Forest Health .....	55
Vegetation Management .....	55
Natural Communities .....	55
<b>VIII. Appendix .....</b>	<b>56</b>
<b>Appendix A</b> – Special Constraints .....	57
<b>Appendix B</b> – Additional Historic Information (photos) .....	58
<b>Appendix C</b> – Stand Data .....	63
<b>Appendix D</b> – West River Basin Critical Wildlife Habitat Map .....	65
<b>Appendix E</b> – Public Input .....	66
<b>Appendix F</b> – Authorization to Plan and Manage .....	75
<b>Appendix G</b> – Summary of Some Policies and Guidelines .....	76
<b>Appendix H</b> – Glossary .....	79
<b>Appendix I</b> – 2011 Long Range Management Plan Amendment .....	86
<b>Appendix J</b> – Original Base Map .....	111