

Table of Contents

Acknowledgements	2
Table of Contents	3
List of Figures and Tables	5
1.0 Executive Summary	6
2.0 Problem Statement	7
3.0 Aquatic Vegetation Management Goals	9
4.0 Past Management Efforts and Public Involvement	10
5.0 Lake and Watershed Characteristics	18
6.0 Aquatic Plant Characteristics	29
<i>Part I: Non-Native Invasive Aquatic Plants</i>	32
<i>Part II: Prevalent Native Aquatic Plants at Newman Lake</i>	43
7.0 Aquatic Vegetation Control Strategies	50
7.1 <i>No Action Alternative</i>	51
7.2 <i>Environmental Manipulation</i>	52
7.3 <i>Mechanical Controls</i>	56
7.4 <i>Manual Controls</i>	59
7.5 <i>Biological Controls</i>	64
7.6 <i>Chemical Controls</i>	73
8.0 Integrated Treatment Strategy	82
9.0 Plan Elements, Costs, And Funding	88
References	90
List of Abbreviations	93
Appendixes	94
<i>Appendix A: Shoreline Designations and Recommendations</i>	95
<i>Appendix B: 2004 Newman Lake Water Quality Data</i>	98
<i>Appendix C: Summary Milfoil Reports and NPDES Monitoring Forms, 2003-2005</i>	103
<i>Appendix C: Summary Milfoil Reports and NPDES Monitoring Forms, 2003-2005</i>	104
<i>Appendix D: Bottom Barrier Installations Instructions</i>	129
<i>Appendix D: Bottom Barrier Installations Instructions</i>	129

*Appendix E: Herbicide labels and MSDS sheets: Navigate®, AquaKleen®, DMA*4IVM®, and Triclopyr (Renovate®)* 132

Appendix F: Species controlled with Navigate® and AquaKleen® ----- 159

Appendix G: Herbicide Residential and Business Notification----- 161

Appendix H: Posting for Direct Aquatic Application----- 162

Appendix I : Newman Lake Newsletter Article, Spring 2003----- 163

Appendix J: 2003 Draft Preliminary Milfoil Management Plan----- 165

Appendix K : Newman Lake Water Rights List----- 168

Appendix L: Affidavit of Publishing Notice ----- 172