Town of Wakefield Open Space and Recreation Plan FY 2005 - 2010



June 15, 2004

Adopted by the Planning Board: June 22, 2004 Adopted by the Conservation Commission: August 18, 2004

Prepared by:

Metropolitan Area Planning Council 60 Temple Place Boston, MA 02111

Funded under Executive Order 418 by the Massachusetts Department of Housing and Community Development, Massachusetts Department of Economic Development, Executive Office of Transportation and Construction, and Executive Office of Environmental Affairs.

Credits and Acknowledgements

MAPC Officers:

President: Vice President: Secretary: Treasurer: Executive Director:

MAPC Staff:

Project Manager: Lead Project Planner: Mapping: Richard A. Dimino Gordon Feltman Jeanne E. Richardson Grace S. Shepard Marc D. Draisen

Joan Blaustein Meg Ounsworth Kevin Sears

Wakefield Open Space and Recreation Committee Judy Green, Chair

Wakefield Conservation Commission

Frank J. Luciani, Jr., Chairman Sally T. Green David M. Sullivan Mathew E. Robbins Jane Gehron Robert J. Romano John J. Ruehrwein, Jr. Frank Calandra, Assoc. Member David N. Peterson, Assoc. Member

Conservation Agent:

Rebecca Davis

Wakefield Planning Board

Paul R. Di Nocco, Chairman Paul J. Semenza James T. French Fred J. Emilianowicz, Jr. Catherine M. Johnston Sarah Madeleine T. Guerin, Assoc. Member

Town Planner:

Paul Reavis

TABLE OF CONTENTS

Section 1 – Plan Summary	1
Section 2 – Introduction	3
Statement of Purpose	
The Planning Process and Public Participation	
Section 3 – Community Setting	5
Regional Context	
History of the Community	7
Population Characteristics	
Growth and Development Patterns	
Section 4 – Environmental Inventory and Analysis	23
Geology, Soils, and Topography	23
Landscape Character	
Water Resources	24
Vegetation	29
Fisheries and Wildlife	
Scenic Resources and Unique Environments	
Environmental Challenges	
Section 5 – Inventory of Lands of Conservation and Recreation Interest	
Introduction	43
Inventory	45
Access for the Disabled	56
Section 6 – Community Goals	
Previous Goals	
Description of Process	
Statement of Open Space and Recreation Goals	59
Section 7 – Analysis of Need	
Summary of Resource Protection Needs	
Summary of Community's Needs	62
Management Needs	64
Section 8 – Goals and Objectives	65
Section 9 – Five Year Action Plan	67
Section 10 – Implementation	83

Section 11 -	- Public	Comments
--------------	----------	----------

Section 12 – References

Appendices

Public Comments at Open Space Forum Section 504 Handicapped Accessibility Inventory Streetscape Design Concept from Wakefield 1925 Master Plan Lake Quannapowitt Utilization Study

List of Tables

Table 2: Population Density by Census Tract	9
Table 4: Occupation of Workforce	_10
Table 5: Educational Attainment of Population 25+ 1990-2000 Table 6: Wakefield Zoning Districts Table 7: Scheduled and Proposed Developments in Wakefield Table 8: Building Permits Issued 1990-2003 Table 9: Summary of Buildout Analysis Table 10: Buildout Impacts	_12
Table 6: Wakefield Zoning Districts	_13
Table 7: Scheduled and Proposed Developments in Wakefield Table 8: Building Permits Issued 1990-2003 Table 9: Summary of Buildout Analysis Table 10: Buildout Impacts	14
Table 8: Building Permits Issued 1990-2003 Table 9: Summary of Buildout Analysis Table 10: Buildout Impacts	_16
Table 9: Summary of Buildout Analysis Table 10: Buildout Impacts	_19
Table 10: Buildout Impacts	_20
	_21
Table 11: Land Use in Wakefield	_22
	_24
Table 12: Summary of Water Quality Information	_27
Table 13: Rare, Threatened, and Endangered Vascular Plants	_30
Table 14: Rare, Threatened, and Endangered Animals	
Table 15: Summary of Property Totals	
Table 16: Conservation Commission Properties	46
Table 17: DPW Properties	47
Table 18: DPW Managed Water Department Facilities	49
Table 19: State Lands	_ 50
Table 20: School Properties and Recreation	_51
Table 21: Private Recreational Land	_53
Table 22: Chapter 61 Land	53
Table 23: Cemeteries	54
Table 24: Parcels of Conservation and Recreation Interest	55
Table 25: Gertrude Spaulding's "Wish List" of Private Parcels of Conservation Priority	
Table 26: Priority Acquisition Areas from the Gertrude Spaulding Wish List	77

List of Maps

Map 1: Census Tracts	11
Map 2: Zoning	18
Map 3: Special Landscape Features	41
Map 4: Water Resources	42
Map 5: Open Space	57
Map 6: Action Plan	79
Map 7: Concept Bikeway Map	81

88

Section 1 – Plan Summary

As part of the <u>Town of Wakefield's</u> efforts to create a comprehensive and contemporary Master Plan, the Town contracted the Metropolitan Area Planning Council to develop the 2004 Open Space and Recreation Plan (OSRP). The OSRP was originally developed in 1986 by the Wakefield Conservation Commission and was subsequently updated by the Conservation Commission in 2000. The 2004 plan updates the work done previously using new data, public comments received during public meetings, and through discussion and meetings with Town departments, boards, and officials.

The OSRP provides background information about the Town in terms of its history, demographics, development patterns, present land uses, natural features, and important resources. The open space inventory in section 5 describes the present status of large areas of both Town-owned and privately owned undeveloped land. Further, the OSRP lays out the community's open space goals and objectives. It also discusses community, resource, and management needs, identifying residents' concerns and desires regarding the Town's open space and recreation facilities and programs. These needs are incorporated into an action plan, which provides a year-by-year time table for the Town to work towards achieving the stated goals and objectives. Finally, the OSRP provides a self-assessment of the accessibility of the Town's open space and recreational facilities to handicapped persons.

The goals identified in the 2004 Open Space and Recreation Plan are:

- Increase the amount of and improve the Town's open space and "green areas";
- Increase the number and quality of active recreational areas and facilities;
- Protect watershed and water resources;
- Step-up efforts to coordinate with and participate in local and regional planning efforts;
- Seek funding to maintain and increase the amount of active and passive recreational areas;
- Continue to use zoning and other land use regulations to create and protect open space.

The key recommendations of the Five-Year Action Plan are as follows:

- Obtain funding to create design plans for a town-wide greenway system;
- Develop a comprehensive list of lands of conservation and recreation interest;
- *Review the inventory of tax-title and town-owned lands to identify the best uses of the lands;*
- Determine how many certifiable vernal pools exist in Wakefield and where they are located;
- *Hire a consultant to assess where to locate and how to develop and upgrade playing fields, athletic areas, and tennis courts;*
- *Review the Weston & Sampson bikeway proposal and the Wakefield Bike Committee bikeway proposal. Have a meeting to reconcile differences;*
- Create a local land trust;
- Ensure that the Conservation Commission receives Chapter 61 right-of-first refusal notices concurrently with the Board of Selectmen;
- Develop a plan for the expansion of Mapleway Playground;
- Maintain greenbelts around Lake Quannapowitt and Crystal Lake; enhance them through further acquisition either of properties, rights of way, or easements;
- *Revisit the Community Preservation Act and educate decision-makers.*

Section 2 - Introduction

Web links in this report: If you have a copy of this plan on a disk or you are viewing the plan on-line, the text that appears highlighted in blue indicates a direct web link. If you click on one of these links, you will go directly to a web site with more information on that topic. If you are reading a paper copy of this report but would like to access the web information, the full report can be found on the Town of Wakefield website at http://www.wakefield.ma.us/public_Documents/WakefieldMA_Depts/planner. In addition, a list of the web site addresses can be found in the references section of this document.

Statement of Purpose

The principal purpose of the Open Space and Recreation Plan is to set goals and objectives for the preservation and enhancement of the Town's natural resources and recreational facilities. The goals and objectives and the action plan of the OSRP will be incorporated into the policies and planning objectives of the Town's Master Plan. Approval of the OSRP enables the Town to take advantage of many state and federal aid programs available to communities.

The Town's earliest planning efforts consisted of Master Plans that were prepared in 1925, 1961, and 1987, which advocated to varying degrees for improved and expanded recreation facilities in Wakefield. The 1961 Plan advocated for the creation of a Conservation Commission and in 1982 it was established. In 1986, the State's Division of Conservation Services developed an Open Space Plan for Wakefield, in which the larger open space parcels throughout the Town were inventoried and key parcels for acquisition or stewardship were identified. This plan was updated in 2000. The 2004 update builds on these previous efforts by incorporating the 2000 Open Space and Recreation Plan with the Executive Office of Environmental Affairs' (EOEA) Division of Conservation Services Open Space Plan requirements and through review of the existing conditions in Wakefield in order to create a comprehensive document that addresses the open space and recreation needs and goals of the Town.

The Planning Process and Public Participation

In order to facilitate the update of the Town's open space and recreation plan, the Town of Wakefield contracted with the Metropolitan Area Planning Council (MAPC) to prepare an updated plan. The 2004 update for Wakefield's Open Space Plan is part of the community's efforts to appropriately plan for the future and is funded through the state's Executive Order 418 (EO418) initiative. Through EO418, the state made all cities and towns eligible for funds for technical assistance and planning services to assist in the preparation of a Community Development Plan, a comprehensive plan that addresses housing needs, open space, economic development, and transportation.

To begin the process of updating the plan, MAPC met with the Town Planner on February 11, 2004. MAPC then held public meetings at Town Hall to obtain information from residents and interest groups regarding the plan. These forums were held on May 4 and June 3, 2004. The results of an interactive dialogue with Town residents and decision makers about the goals and objectives of the Open Space Plan, the community needs, and discussion about the open space map and parcels of conservation interest are incorporated throughout this plan and form the basis for the Action Plan items.