

TABLE OF CONTENTS

	Page
Chapter I – INTRODUCTION AND PLAN DEVELOPMENT PROCESS	1
Overview of Study Area.....	1
Plan Background and Purpose.....	1
Plan Development and Public Participation.....	2
Existing Land and Water Resource-Related Plans.....	2
Plan Content.....	3
Citizen Advisory Committee and Supporting Staff.....	3
Chapter II-RESOURCE ASSESSMENT	4
Introduction.....	4
Soils and Agricultural Resources.....	4
Soil Characteristics.....	4
Soil Suitability for Agricultural Use.....	5
Soils.....	5
General Soil Associations.....	5
Existing Farmland.....	6
Farms and Farm Production.....	6
Topography and Geology.....	8
Lake Michigan Bluff and Ravine Areas.....	8
Nonmetallic Mineral Resources.....	9
Soil Suitability for Mineral Extraction.....	9
Water Resources.....	10
Ground Water Resources.....	10
Surface Water Resources.....	11
Surface Drainage.....	11
Subsurface Drainage.....	11
Lakes.....	12
Rivers and Streams.....	14
Dams.....	15
Waukesha Water Diversion.....	16
Wetland Resources.....	16
Climate.....	18
Terrestrial Natural Resources.....	19
Woodlands.....	19
Wildlife Habitat.....	19
Natural Areas and Critical Species Habitat Sites.....	20
Environmental Corridors.....	30
Major Park and Open Spaces Sites.....	31
Park and Open Space Sites Owned by Local Government or School Districts.....	31

Chapter III-RELATED PLANS, REGULATIONS, AND PROGRAMS	36
Regional Plans.....	36
Regional Land Use Plan.....	36
Environmental Corridors.....	36
Urban Development.....	37
Prime Agricultural Land.....	37
Other Agricultural and Rural-Density Residential Lands.....	37
VISION 2050: A Regional Land Use and Transportation Plan.....	37
Regional Transportation System Plan.....	37
Regional Natural Areas Plan.....	37
Aquatic Plant Management Plans.....	37
Lake Management Plans.....	37
Regional Water Quality Management Plan.....	38
Regional Water Supply Plan.....	38
County and Multi-Jurisdictional Plans.....	39
Racine County Multi-Jurisdictional Comprehensive Plan: 2035.....	39
Racine County Park and Open Space Plan.....	39
Racine County Farmland Preservation Plan.....	40
Racine County Land and Water Resources Management Plan and Update.....	40
City, Town, and Village Plans.....	41
Local Land Use, Master, and Comprehensive Plans.....	41
City and Village Land Use, Master, and Comprehensive Plans.....	41
Town Land Use and Comprehensive Plans.....	41
Watershed Plans.....	41
Southeastern Wisconsin Fox River Commission Implementation Plan: 2011-2020.....	41
Eagle Lake Watershed Management Plan 2017-2016.....	42
9 Key Element Plans.....	43
Pike River Restoration Plan 2013.....	43
Root River Restoration Plan 2014.....	44
Wind Point Watershed Restoration Plan 2015.....	45
County and Local Ordinances.....	46
General Zoning.....	46
Floodland Zoning.....	46
Shoreland and Shoreland-Wetland Zoning.....	46
Subdivision Regulations.....	47
Municipal Separate Storm Sewer System (MS4).....	48
Nonmetallic Mining Reclamation Ordinance.....	49
Animal Waste Management Ordinance.....	49
Procedures for Livestock Siting Ordinance.....	50
State Nonpoint Pollution Standards and Prohibitions.....	50
Agricultural Performance Standards and Prohibitions.....	50
Confined Animal Feeding Operations.....	51

Buffer Standards.....	51
Multi-Discharge Variance.....	51
Adaptive Management.....	52
Conservation Programs.....	52
Federal Programs.....	52
Agricultural Conservation Easement Program.....	52
Conservation Reserve and Conservation Reserve Enhancement Program.....	52
Conservation Stewardship Program.....	52
Environmental Quality Incentives Program.....	53
State and Local Programs.....	53
Wisconsin Farmland Preservation Program.....	53
Working Lands Initiative.....	53
Wisconsin Producer-Led Watershed Protection Program.....	54
Soil and Water Resource Management Program.....	55
Racine County Tree & Shrub Program.....	55
Managed Forest Law Program.....	56
Wildlife Damage and Abatement Program.....	56
Deer Donation Program.....	56
Gypsy Moth Suppression Program.....	56
Aquatic Invasive Species Management and Control Early Detection and Response Grant Program.....	56
Lake Districts and Association.....	56
Great Lakes – St. Lawrence River Basin Water Resource Compact.....	57
Targeted Runoff Management Grant Program.....	58
Summary.....	58
Chapter IV - GOALS, OBJECTIVES, MONITORING, EVALUATION, AND ESTIMATED COSTS.....	59
Introduction.....	59
Goal #1 Reduce Cropland Erosion and Improve Water Quality through the Agricultural Performance Standards.....	60
Goals and Workplan Objectives.....	60
Manure Management Prohibitions.....	60
Planned Actions.....	60
Agricultural Performance Standards Implementation Strategy.....	60
Implementation Strategy (Agricultural).....	61
Conduct Information and Education Activities.....	61
Priority Farms Strategy.....	62
Document and Report Compliance Status.....	63
Technical Assistance & Available Cost-Sharing to Implement Best Management Practices.	63
Administer Funding and Technical Assistance.....	63
Issue Required Notices and Enforcement Activities.....	64
Compliance Monitoring and Annual Reporting.....	64

Goal #2 Invasive Species Management and Control.....	64
Goals and Workplan Objectives.....	64
Planned Actions.....	65
Goal #3 Bluff, Shoreline and Streambank Erosion Control.....	66
Goals and Workplan Objectives.....	66
Planned Actions.....	66
Goal #4 Promote Awareness and Education of Environmental Stewardship.....	67
Goals and Workplan Objectives.....	67
Planned Actions.....	68
Goal #5 Protect and Preserve Land and Water Resources.....	70
Goals and Workplan Objectives.....	70
Planned Actions.....	70
Non-Agricultural Performance Standards.....	72
Goals and Workplan Objectives.....	72
Planned Actions.....	72
Implementation Strategy.....	73
Non-Metallic Mining Reclamation.....	73
Goals and Workplan Objectives.....	73
Implement Non-Metallic Mining Reclamation Standards.....	73
Planned Actions.....	74
Implementation Strategy.....	74
FINAL COST SUMMARY.....	74
Estimated Costs of Plan Implementation.....	74
Summary.....	75

Tables

Table		Page
1	Soils Slope Classifications within Racine County.....	5
2	Farm Size in Racine County, Wisconsin.....	6
2a	Lake Characteristics within Racine County.....	13
3	Natural Areas in Racine County.....	21
4	Critical Species Habitat Sites.....	27
5	Park and Outdoor Recreation Sites Owned by Racine County.....	32
6	Selected Outdoor Recreation Facilities within Racine County Parks.....	33
7	State of Wisconsin Recreation and Open Space Lands in Racine County.....	34
8	Goal #1 Increase Resource Protection by Reducing Non-Point Pollution	75
9	Goal #2 Invasive Species Management and Control	79
10	Goal #3 Prioritize and promote repair of Lake Michigan bluff erosion, shoreline erosion and.... streambank / ditch bank erosion.	80
11	Goal #4 Increase awareness and provide further Information and Education Activities to promote environmental stewardship to farmers, youth, elected officials and the general public..	81
12	Goal #5 Protect and Preserve Land and Water Resources.....	84
13	Estimated Total Cost for Plan Implementation.....	88
14	Conservation Practices.....	App. A
15	Racine County Impaired Waters.....	App. B

Maps

Map

- 1 Agricultural Soil Capability in Racine County
- 2 General Soil Associations in Racine County
- 3 Lake Michigan Bluff Erosion
- 4 Generalized Topographic Characteristics in Racine County
- 5 Slope Analysis for Racine County
- 6 Generalized Depth to Bedrock in Racine County
- 7 Non Metallic Mining Sites
- 8 Potential Sources of Sand, Gravel, Clay and Peat in Racine County
- 9 Depth to Seasonal High Groundwater Table in Racine County
- 10 Surface Water, Wetlands and Floodplains in Racine County
- 11 Woodlands and Managed Forest Lands in Racine County
- 12 Natural Areas in Racine County
- 13 Critical Species Habitat Sites in Racine County
- 14 Environmental Corridors and Isolated Natural Resource Areas in Racine County
- 15 Racine County and State of Wisconsin Park and Open Space Sites
- 16 Cropland Cover 2021 – Racine County
- 17 Watershed Features in Racine County
- 18 Racine County Groundwater Contamination Susceptibility Analysis