

# **KRAKOW TOWNSHIP 2014 MASTER PLAN**

Krakow Township  
Presque Isle County  
Michigan

Prepared for:

Krakow Township Planning Commission Members:

Carolyn Barrett, Chair  
Roger Witherbee, Secy./Treas.  
Alvin Grundy  
Janet S. Jaynes  
Sally Mulka

Krakow Township Board Members:

Michael Grohowski, Supervisor  
Elaine M. Misiak, Clerk  
Diane Mucciante, Treasure  
Michael Smith, Trustee  
Roger Witherbee, Trustee

Prepared by:

NEMCOG  
POB 457  
Gaylord, MI 49734

Planning Staff: Richard Deuell, AICP  
Kyle Robinson

Adopted: February 20, 2014

Funded by Great Lakes Restoration Initiative and Krakow Township

## TABLE OF CONTENTS

CHAPTER 1	
INTRODUCTION.....	1-1
Purpose and Planning Process .....	1-1
Location and Regional Setting .....	1-2
The Status of Planning and Zoning in Krakow Township.....	1-2
CHAPTER 2	
SOCIO-ECONOMIC PROFILE .....	2-1
Population .....	2-1
Age Distribution.....	2-2
Housing Stock.....	2-5
Economic Indicators .....	2-6
Income and Poverty .....	2-6
Employment and Unemployment Status .....	2-9
CHAPTER 3	
COMMUNITY SERVICES AND FACILITIES.....	3-1
Water Supply and Sewage Disposal.....	3-1
Solid Waste .....	3-1
Utilities.....	3-2
Postal Service .....	3-2
Schools.....	3-3
Libraries.....	3-3
Cemeteries .....	3-3
Public Safety .....	3-3
Transportation .....	3-4
Public Transit.....	3-5
Recreation .....	3-6
CHAPTER 4	
NATURAL RESOURCES.....	4-1
Climate .....	4-1
Geology and Landforms .....	4-2
Topography .....	4-5
Soils .....	4-5
Water Resources.....	4-12
Fish and Wildlife Resources.....	4-18
Natural Features Inventory.....	4-23
Wetlands and Woodlands .....	4-23
Pre-Settlement Vegetation .....	4-28
Sites of Environmental Contamination .....	4-28
Surface Water Discharge Permits .....	4-28
CHAPTER 5	
EXISTING LAND COVER/USE.....	5-1
General Land Division Patterns.....	5-1
Land Cover and Use .....	5-1

## TABLE OF CONTENTS (cont'd)

### CHAPTER 6

GOALS AND OBJECTIVES.....	6-1
Community Goals and Objectives.....	6-1
Quality of Life.....	6-1
Community Character.....	6-1
Planning and Community Development.....	6-2
Residential Areas.....	6-2
Commercial Areas and Activities.....	6-3
Industrial Land Use and Development Areas.....	6-4
Infrastructure and Community Facilities.....	6-4
Economic Development.....	6-5
Recreation and Public Lands.....	6-5
Government.....	6-6
Overall Resource Conservation Goal.....	6-7
Collaboration.....	6-8
Farm and Forest Lands.....	6-8
Resource Conservation.....	6-9
Water Resource Protection.....	6-11
Farm and Forest Lands.....	6-12

### CHAPTER 7

FUTURE LAND USE PLAN.....	7-1
Future Land Use Planning Areas.....	7-1
Neighborhood Residential.....	7-1
Rural Residential.....	7-2
Local Business.....	7-3
Light Industrial.....	7-4
Forest Recreation.....	7-4
Resource Conservation.....	7-5
Farm and Forest.....	7-5
Special Issue Areas.....	7-6

### CHAPTER 8

PLAN ADOPTION AND IMPLEMENTATION.....	8-1
Plan Coordination and Review.....	8-1
Public Hearing.....	8-1
Plan Adoption.....	8-1
Plan Implementation.....	8-1
Grants and Capital Improvement Plan.....	8-2
Recreation Plan.....	8-2
Zoning Plan.....	8-2

## LIST OF FIGURES

Figure 1.1 Location Map, Krakow Township .....	1-2
Figure 1.2 Map, Krakow Township.....	1-3
Figure 2.1 Trends in Median Age 2000 - 2010.....	2-3
Figure 2.2 Age Distribution of Population.....	2-3
Figure 2.3 Median Household Income 2005 - 2009.....	2-7
Figure 2.4 Jobless Rates 2010 .....	2-10
Figure 4.1 Bedrock Geology Map .....	4-3
Figure 4.2 Karst Topography .....	4-2
Figure 4.3 Krakow Island .....	4-4
Figure 4.4 Sand Spit Deposits .....	4-4
Figure 4.5 Soil Constraints Map.....	4-8
Figure 4.6 Buildings without Basements Map.....	4-9
Figure 4.7 Septic System Limitations Map.....	4-10
Figure 4.8 Soil Constraints/ Shallow .....	4-11
Figure 4.9 Prime Farmland Map .....	4-7
Figure 4.9 Karst Sensitive Areas Map.....	4-12
Figure 4.10 Land Cover/Use Map .....	4-14
Figure 4.11 Regional Watersheds.....	4-16
Figure 4.12 Grand Lake Watershed Shoreline Survey Map .....	4-15
Figure 4.13 Lake Huron & Michigan Water Levels 1900 - 2000 .....	4-18
Figure 4.14 Lake Levels and Ever-Changing Landscape .....	4-19
Figure 4.15 National Wetlands Inventory Map.....	4-26
Figure 4.16 Forest Cover Map/Forest Types .....	4-27
Figure 4.17 1800's Forest Cover Map/Cover Type .....	4-29
Figure 5.1 Public Lands Map .....	5-4
Figure 5.2 Ownership Size Map.....	5-5
Figure 5.3 Land Cover/Use Map .....	5-6

## LIST OF TABLES

Table 2.1: Presque Isle County Population 2000 - 2010.....	2-1
Table 2.2: Age Distribution - 2010.....	2-4
Table 2.3: Median Age 2000 - 2010.....	2-5
Table 2.4: Housing Counts and Occupancy Status, Presque Isle County .....	2-6
Table 2.4: Township Households 2010.....	2-5
Table 2.5: Median Household Income 2010 .....	2-6
Table 2.6 Income and Benefits, Township .....	2-8
Table 2.7: Poverty Status, Township .....	2-9
Table 2.8: Presque Isle County Poverty Rates 2006 – 2010 .....	2-9
Table 2.9: Employment Status, Township 2006 - 2010 .....	2-9
Table 3.4: All Season Routes Presque Isle County .....	3-5
Table 4.1: Average Annual Weather Statistics.....	4-1
Table 4.2: Grand Lake Shoreline Survey .....	4-17
Table 4.3: Presque Isle County Threatened and Endangered Species .....	4-24
Table 5.1: Existing Land Use Statistics.....	5-2
Table 7.1: Future Land Use Categories .....	7-8