

Materials Management Plan Updates

IN Northern Michigan

Hello there!

Mathew Cooke
Community Planner



**Networks
Northwest**

Environment / Business / Community



Hello there!

Lydia Gulow
Resource Recovery Director

GRAND TRAVERSE
COUNTY



MMP Overview

01.

**Why are we
doing this?**

02.

**Where are
we at?**

03.

**How we can
participate?**

Part 115 Solid Waste Management

- Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended
 - Specifically subpart 11 Materials Management Plans
- Plan updates to focus on sustainable materials management approaches, instead of disposal
- Allows for the County to have authority in its materials management
- Funding for the planning and implementation of the MMP is funded through the Renew Michigan Fund
- Development guided by respective Materials Management Planning Committees

SUSTAINABLE MATERIALS MANAGEMENT



EGLE

MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

Michigan.gov/EGLE | 800-662-9278

MMP Requirements

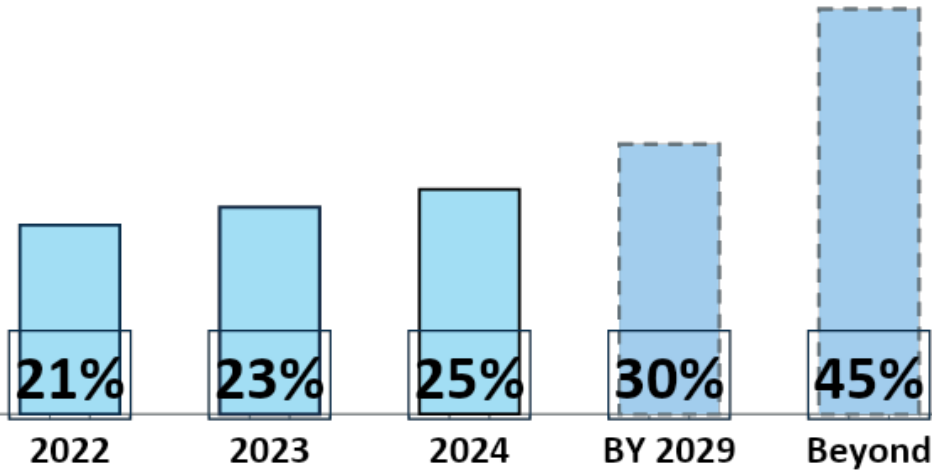
- **Guidance for County Materials:** MMP is a program to guide the management of materials within counties.
- **Focus on Sustainability:** It emphasizes sustainable practices like recycling and composting.
- **Safe Disposal:** It ensures safe disposal options for various materials like food waste, yard clippings, recyclables, and solid waste.
- **Implementation Strategy:** Develops strategies to meet those statewide goals.
- **Facility Assessment:** Identifies existing and needed materials management facilities.
- **Capacity Planning:** Determines the required capacity for managing generated materials.
- **Siting Process:** Outlines siting process for developing new facilities.

MMP Goals

- **Protect Health and Environment:** Prevent adverse effects on public health, safety, and welfare, as well as natural resources, including protecting water, air, and land from improper materials management.
- **Promote Sustainability:** Ensure all managed materials are handled sustainably to achieve economic, community, and environmental benefits.
- **Ensure Compliance:** Guarantee all managed material is collected and processed or disposed at facilities that comply with all state statutes and rules or are managed appropriately out-of-state.

STATE OF MICHIGAN GOALS

Recycling Rate

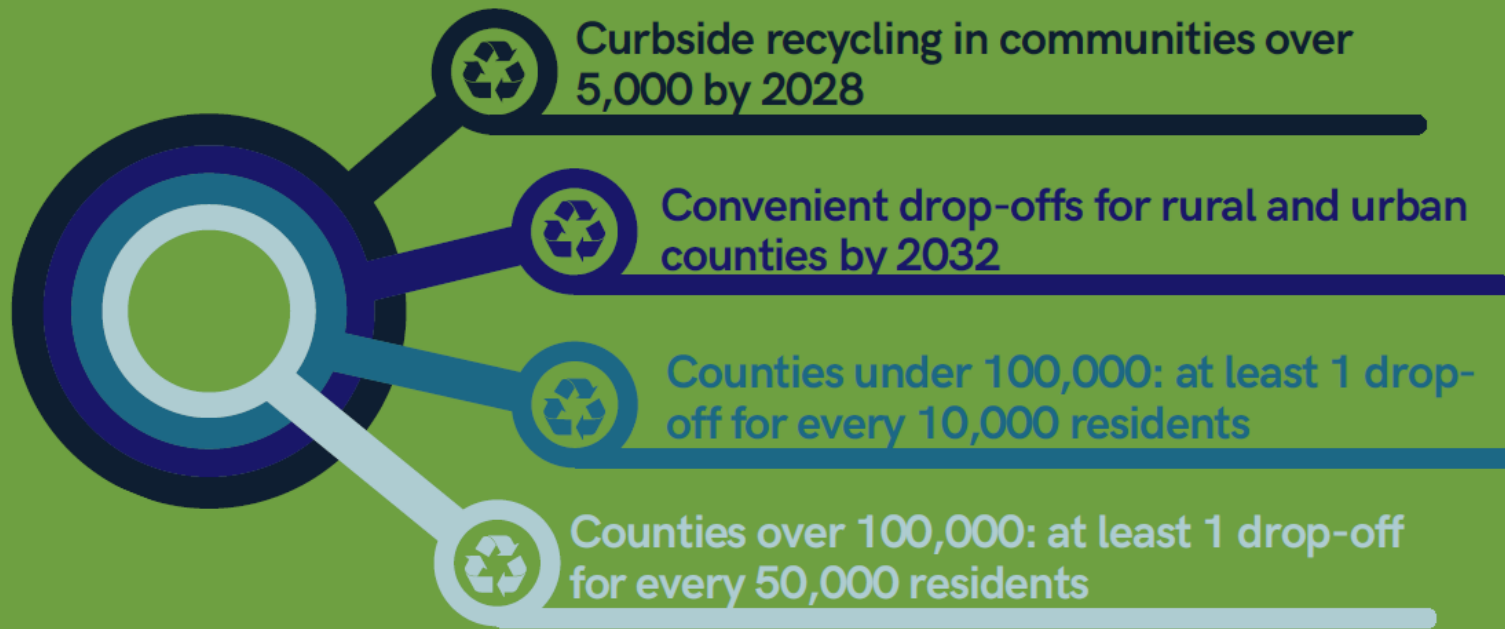


Food Waste Reduction

50% total reduction
of food loss and waste

Based on a 2021 baseline

BENCHMARK RECYCLING STANDARDS



MMP Duties

County Board of Commissioners

- Received EGLE Call for MMP updates
- Filed Notice of Intent to prepare MMP
 - Established CAA
- Receives funding for MMP planning and implementation

MMP Committee (MMPC)

- MMP Direction
 - Directs DPA; reviews Work Program, MMP development
- Advisory and Policy
 - Identifies local policies and initiatives

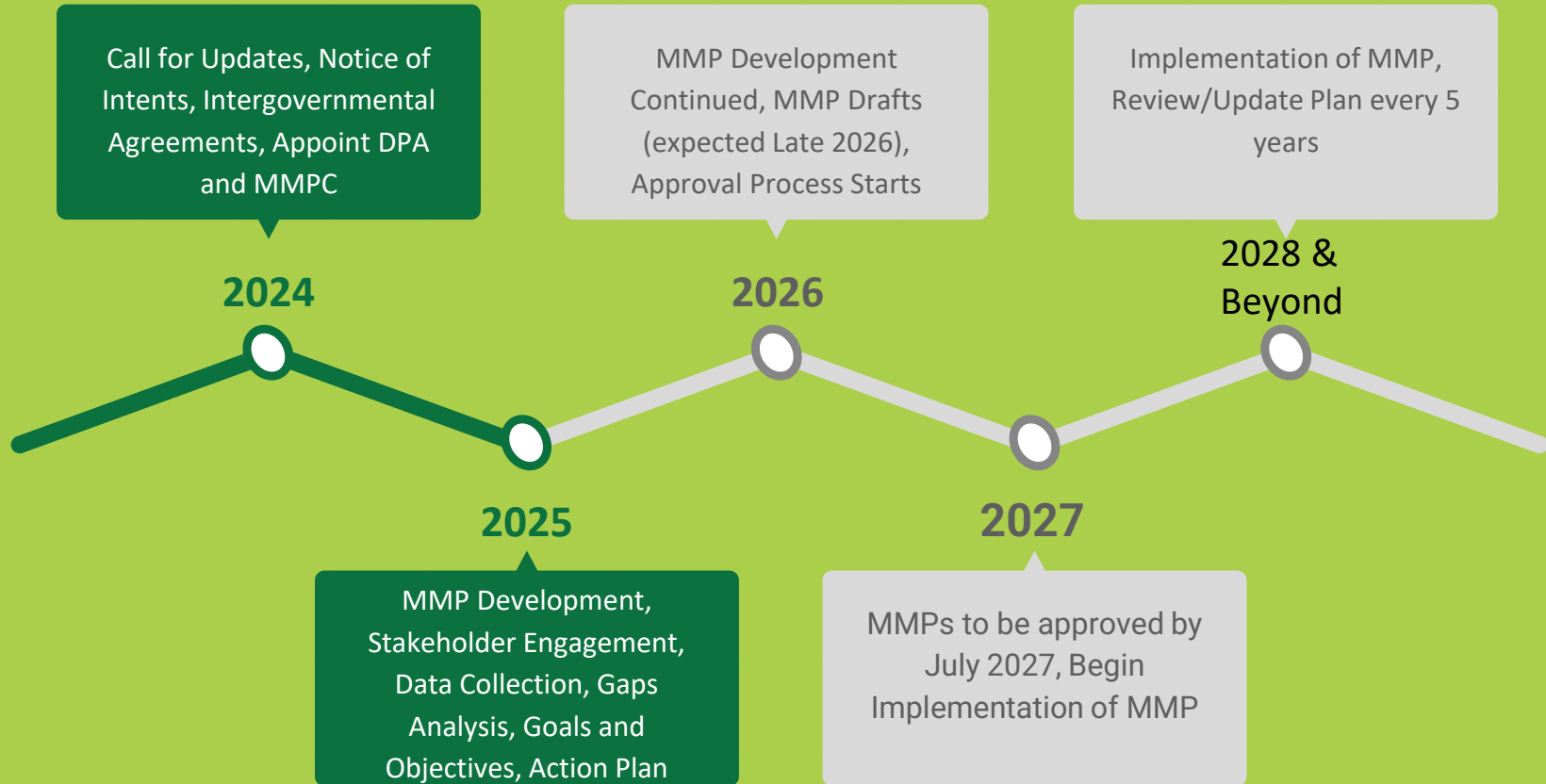
County Approval Agency (CAA)

- Primary responsible party
 - Responsible for MMP work program and implementation
 - Appoints DPA and MMPC
- Oversight and Funding
 - Approves MMP, Utilizes Funds

Designated Planning Agency (DPA)

- Plan Development and Management
- Coordination and Compliance with Part 115
- Approval Process

MMP General Timeline



MMP Benefits

Economic	Environmental
<ul style="list-style-type: none">● Potential of 109k Jobs● Estimated \$9 Billion in Annual Labor Income● Estimated \$33 Billion in Annual Economic Output● Assists with Circular Economy	<ul style="list-style-type: none">● Landfill Reduction● Greenhouse Gas Reduction● Minimize Environmental Impacts● Resource Efficiency● Composting Promotion

DPA Designations



Process	Designated Planning Agency
Antrim County	Networks Northwest
Benzie, Grand Traverse, Leelanau Multi-County	Grand Traverse County
Charlevoix County	Networks Northwest
Emmet County	Emmet County
Kalkaska County	Kalkaska County
Manistee, Missaukee, Wexford Multi-County	Networks Northwest



a picture is worth a thousand words

MMP Process Updates

Benzie, Grand Traverse, and Leelanau Multi-County MMP

- What has been accomplished
- What is being worked on
- Where we are looking to go

Antrim County MMP

- What has been accomplished
- What is being worked on
- Where we are looking to go

Kalkaska County MMP

- Update on process

Charlevoix County, Manistee-Missaukee-Wexford Multi-County MMP

POPULATION AND HOUSING



475.7 SQ. MILES
AREA



50.2 PEOPLE/SQ. MILES
POPULATION DENSITY



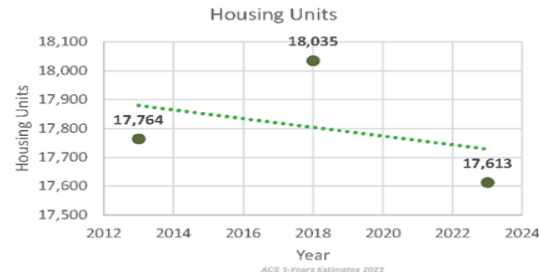
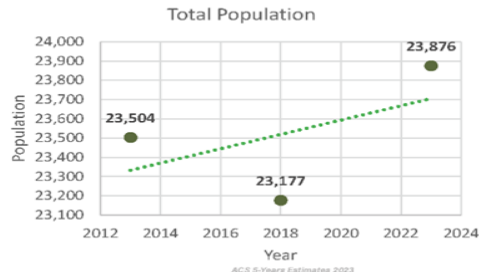
23,876
TOTAL POPULATION

ACS 5-Years Estimate 2023



MI Labour Market Information

AGE	2025
Total	24,645
0 To 4	1,030
5 To 9	1,054
10 To 14	1,186
15 To 19	1,109
20 To 24	1,095
25 To 29	1,157
30 To 34	1,298
35 To 39	1,252
40 To 44	1,240
45 To 49	1,259
50 To 54	1,304
55 To 59	1,720
60 To 64	2,299
65 To 69	2,412
70 To 74	2,035
75 To 79	1,503
80 To 84	960
85+	730



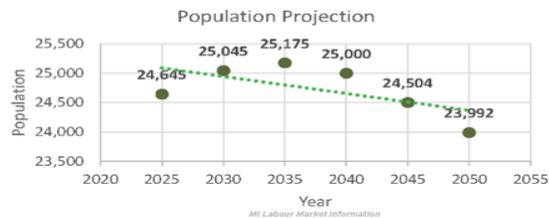
17,613
HOUSING UNITS

11,034 **6,579**
OCCUPIED **VACCANT**

2.14
AVERAGE HH SIZE



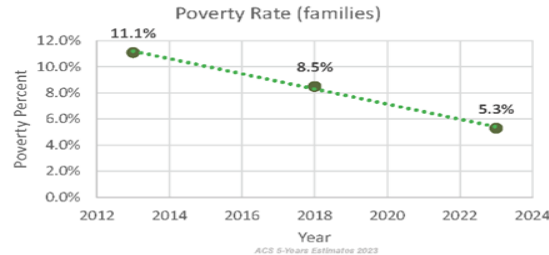
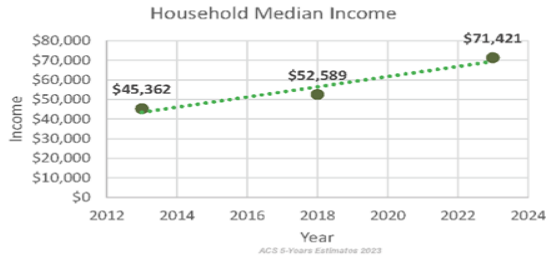
ESTIMATED POPULATION PROJECTION



MUNICIPALITY	2020 CENSUS POPULATION
Banks Township	1588
Central Lake Township	2159
Chestonia Township	512
Custer Township	1150
Echo Township	952
Elk Rapids Township	2521
Forest Home Township	1675
Helena Township	937
Jordan Township	887
Kearney Township	1780
Mancelona Township	4311

MUNICIPALITY	2020 CENSUS POPULATION
Milton Township	2355
Star Township	1028
Torch Lake Township	1212
Warner Township	364
Village of Bellaire	1053
Village of Central Lake	960
Village of Elk Rapids	1529
Village of Ellsworth	367
Village of Mancelona	1344
Antrim County	23301

INCOME AND POVERTY



INDUSTRY AND EMPLOYMENT



TOTAL NUMBER OF ESTABLISHMENTS
608



TOTAL NUMBER OF JOBS
3,831

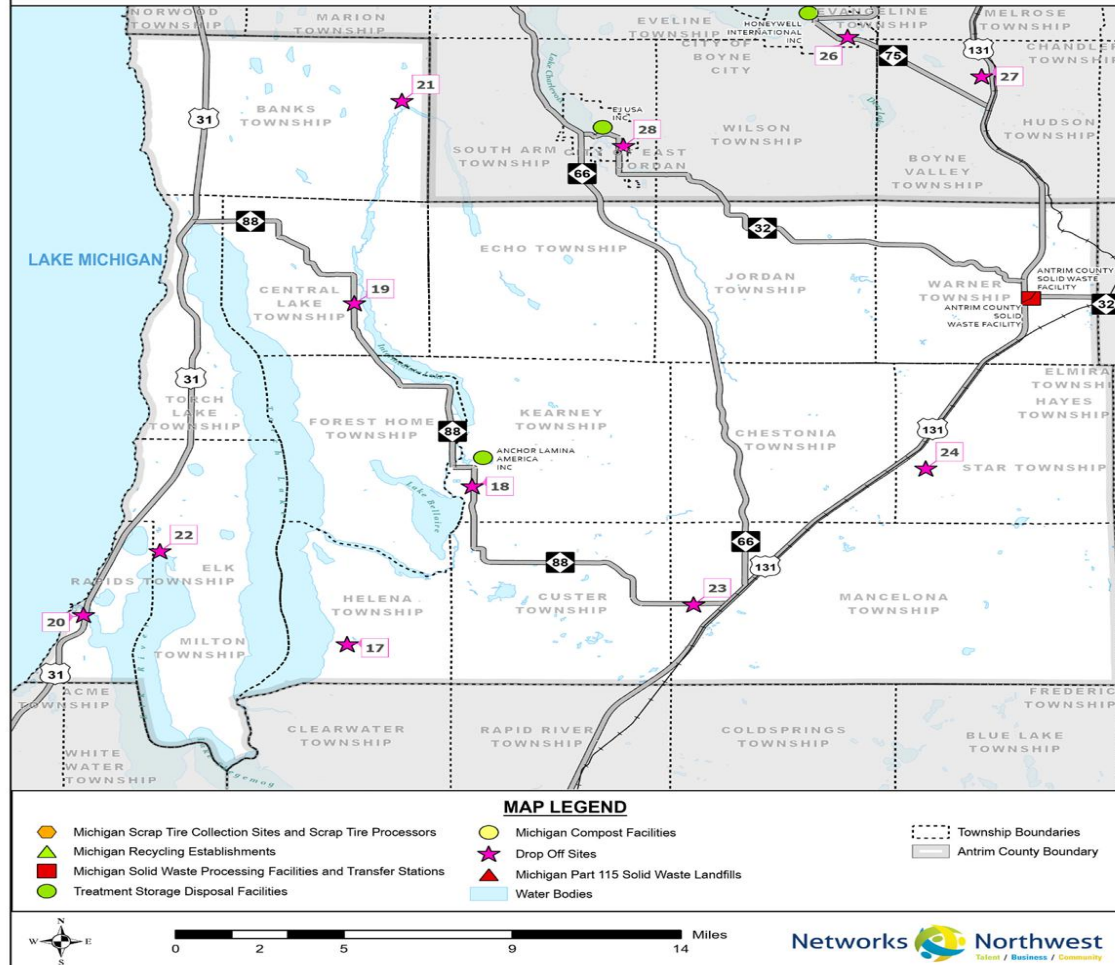


TOP 5 INDUSTRIES

- » Accommodation and Food Services
- » Retail and Trade
- » Manufacturing
- » Construction
- » Other services (except public administration)

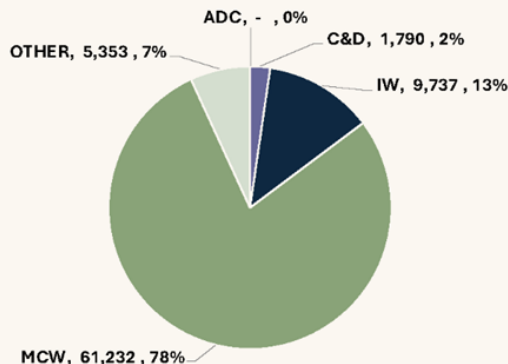
MATERIALS MANAGEMENT PLANNING

ANTRIM COUNTY DROP OFF SITES LOCATION MAP



1 - EGLE Annual Landfill Report | Antrim

MICHIGAN LANDFILL WASTE GENERATED BY ANTRIM COUNTY BY TYPE IN TONS 2024

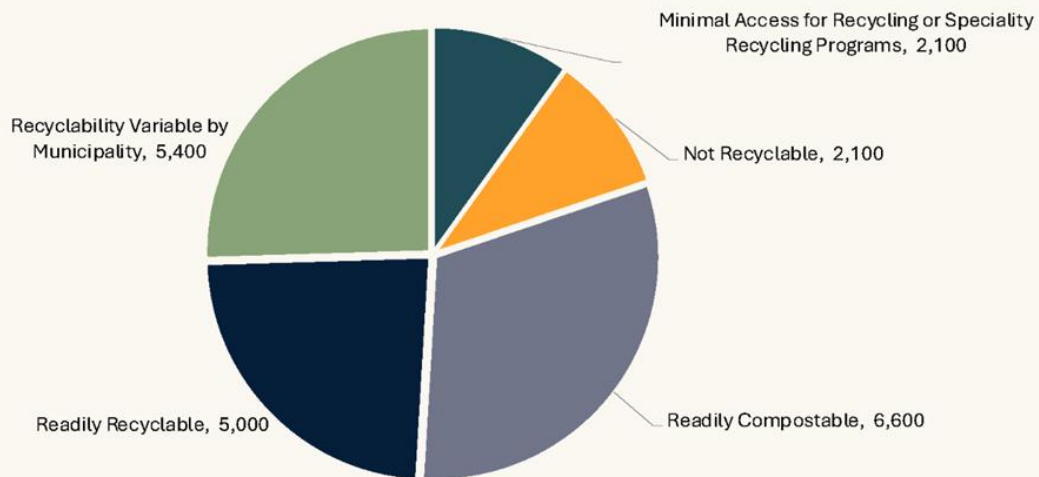


Total Tons Landfilled in MI from Each County FY 2024	Tons
Tons from Charlevoix	242,114.42
Tons from Manistee	93,033.15
Tons from Antrim	78,111.39
Tons from Wexford	58,665.15
Tons from Missaukee	29,706.13

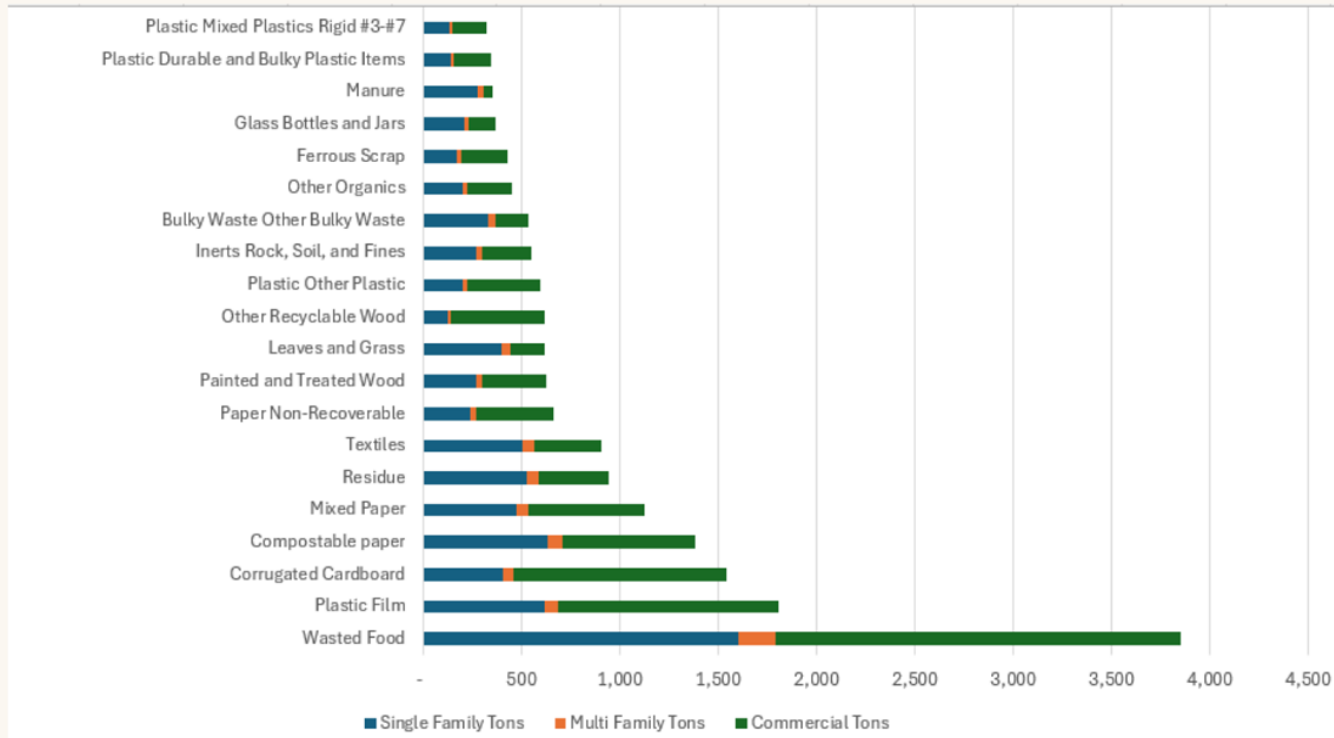
		Disposal Location for Material Generated by Antrim					
Michigan Landfill Waste Generated by Antrim County by Type in Tons 2024	Tons Generated	Wexford County Landfill (Wexford County) Wexford County Landfill LLC/ GFL	City Environmental Services, Inc of Waters (Crawford County) (City Environmental Services, Inc of Water)	Montmorency-Oscoda-Alpena SWMA (Montmorency County) Montmorency-Oscoda-Alpena Solid Waste Authority	GFL North Michigan Landfill, LLC (Presque Isle County) GFL Environmental USA	Glens Sanitary Landfill (Leelanau County) Glen's Sanitary Landfill Inc / Waste Management	Whitefeather Landfill (Bay County) Republic Services
ADC	-	-	-	-	-	-	-
C&D	1,790	305	1,089	128	68	200	-
IW	9,737	-	9,357	-	-	275	105
MCW	61,232	56,132	2,230	2,013	733	117	8
OTHER	5,353	54	5,293	-	-	5	-
Grand Total	78,111	56,491	17,970	2,140	801	597	112

2 - RRS MCW Model | Antrim

LANDFILLED MCW MATERIAL RECYCLABILITY MODEL BY WEIGHT IN TONS FOR ANTRIM COUNTY 2024



2 - RRS MCW Model | Antrim



How to be involved


- Participate in materials management
 - Recycle, Organics, Reuse
- Volunteer!
- Active Surveys for Response
 - Tri-County Resident Waste and Recycling Survey
 - Northwest Lower Michigan MMP County Resident Survey
 - Northwest Lower Michigan MMP Business Survey




GT County HHW Collection

HHW Collection Event	Collected HHW Pounds
April 10, 2025	47,488 lbs
May 15, 2025	31,827 lbs
June 26, 2025	28,312 lbs
August 14, 2025	28,046 lbs
September 13, 2025	29,932 lbs
TOTAL	165,035 lbs


How To Recycle




Know your local recycling guidelines.




Remember the three R's: Reduce, Reuse, and Recycle.



Clean recyclables to prevent contamination.



Sort your recyclables into the correct categories.



Support recycling by choosing products with recyclable packaging.



Discussion and Questions



Reduce



Reuse



Recycle



Thank you!

Slides Carnival

**This presentation template is
free for everyone to use
thanks to the following:**

SlidesCarnival for the presentation template
Pexels for the photos

Happy designing!