

Warren County

MSW and Recyclables Waste Characterization

May 2025

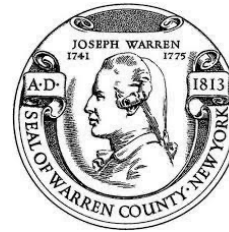
Scott Royael

Solid Waste & Recycling Compliance Coordinator

Department of Public Works

Warren County

Warrensburg, NY



Waste Data and
Analysis Center



Department of
Environmental
Conservation

Prepared by

Yiyi Wang, Firman Firmansyah, Krista Thyberg, and Elizabeth Hewitt

Waste Data and Analysis Center

Stony Brook University

Project Managers

Paola Munar-Moreno, Jennifer Y. Park, and Alyssa Bonitatibus

Division of Materials Management

New York State Department of Environmental Conservation

Disclaimer

The New York State Waste Characterization Study would not have been possible without the cooperation and assistance of the solid waste management facility, waste haulers, and facility operation staff in Warren County, who generously agreed to assist in this effort.

Funding for this research was provided through the New York State Environmental Protection Fund as administered by the New York State Department of Environmental Conservation through a Memorandum of Understanding (MOU) with Stony Brook University (AM 11643) effective September 11, 2019, and renewed on September 4, 2024.

The opinions, findings, and interpretations of data contained therein are the responsibility of the University and do not necessarily represent the opinions, interpretations, or policy of the New York State Department of Environmental Conservation.

Glossary of Waste Categories

PAPER

Old Corrugated Cardboard	Boxes with a fluted inner liner between two layers of paper stock. Includes unbleached kraft paper bags.
Old Newspaper	Newsprint paper that has been printed on, typically used for newspapers and similar publications.
Boxboard	A strong, lightweight paperboard used primarily for boxes.
Shredded Paper	Paper that has been cut or torn, often mechanically.
Aseptic/Gable Tops	Paper carton with a plastic and/or aluminum inner liner, often used for liquid food products (e.g., juices, broths).
Pizza Boxes	Corrugated cardboard or paperboard boxes that are soiled (greasy).
Mail	Any recyclable paper that includes an address. Includes envelopes. Excludes magazines.
Printed/Office Paper	High-grade paper that is white or cream-colored from offices, homes, schools, and other sources. Includes copy paper, envelopes, letterhead, stationary, and typing paper.
Magazines/Glossy	Any paper that is coated to create smooth, shiny finish. Excludes photographs.
Other Recyclable Paper	Colored printing paper, construction paper, bleached kraft paper bags, non-soiled/non-coated paper packaging, paper used as filler.
Hardcover Book	A book with a rigid cover, often from a heavy paperboard.
Softcover Books	A book with a cover that is soft/flexible.
Compostable Paper	Paper that can break down into natural components.
Other Paper	Tissues, paper towels, food soiled paper, paper plates/cups, wrapping paper, ice-cream containers, photos, containers coated with waterproof film, composite papers.

GLASS

Deposit Glass Containers	Glass containers or bottles listed as NY Deposit.
Non-Deposit Glass Containers	Containers or bottles without NY Deposit listed.
Glass Fragments	Small, unidentifiable pieces of glass bottles or containers.
Other Glass	Glass items which are mixed with other components or have been tempered. Non-container or bottle glass.

PLASTICS

Deposit #1 Bottles	Plastic containers labelled as PETE, PET, or #1 (polyethylene terephthalate) with NY Deposit listed.
Non-Deposit #1 Bottles/Jars	Plastic containers labelled as PETE, PET, or #1 (polyethylene terephthalate) without NY Deposit listed.
Clamshells/Containers #1	Plastic containers or lids labelled as PETE, PET, or #1 (polyethylene terephthalate) without a screw-off lid.
Containers #2 Colored	Plastic containers labelled as HDPE, PEHD, or #2 that are pigmented (excluding black).
Containers #2 Natural	Plastic containers labelled as HDPE, PEHD, or #2 that are opaque.
Containers #3-7 (Not #5)	Plastic containers labeled #3 PVC, #4 LDPE, #6 PS, #7 PLA (excluding #5). Does not include EPS, even if labelled #6.
Containers #5	Plastic containers labeled PP (polypropylene) or #5.
Other Unnumbered Containers/Lids/Fragment	Plastic containers/lids/fragments without labels.
Black Plastic Containers	Black plastic containers numbered or unnumbered. Excludes single-use utensils and non-container plastics.
Retail Plastic Bags	Bags used for retail purchases (often with handles). Includes produce, grocery, and liquor store bags.
Garbage Bags	Disposable bag used line trash cans to hold solid waste. Includes bathroom trash bags and contractor bags.
Other Plastic Film	Thin, continuous plastic material often used for bags or packaging.
Other Rigid/Bulky Plastics	Plastics that are the size of a 5-gallon bucket or larger.
Plastic Furniture	Furniture pieces that are primarily composed of plastic (by weight).
Other Plastics	All remaining plastics not listed in other categories.

OTHER INORGANICS

Ceramics	Pots and other articles made from clay that was hardened by heat.
Do-It-Yourself Construction & Demolition Debris	Debris produced from the renovation or demolition of a building/structure.
Other Inorganics	Items made from non-recyclable inorganic material.

Glossary of Waste Categories

METALS

Ferrous Containers	Rigid container made mainly of steel, possibly tin-coated (bi-metal, magnetic). Includes bottle caps.
Ferrous Furniture	Furniture pieces that are primarily composed of ferromagnetic components (by weight).
Ferrous White Goods	Household electrical appliance that is magnetic (e.g., microwave or larger).
Other Ferrous	Ferromagnetic materials that are neither container, furniture, nor appliances (e.g., nails).
Deposit Aluminum Containers	Aluminum containers or cans listed as NY Deposit.
Non-Deposit Aluminum Containers	Aluminum containers or cans without NY Deposit listed.
Aluminum Foil	Aluminum foil, often used for food packaging.
Aluminum Furniture	Furniture pieces that are primarily composed of aluminum (by weight).
Aluminum White Goods	Household appliances made from aluminum that can be recycled.
Other Aluminum	Other aluminum items that are not cans, furniture, or foil. Includes empty aluminum aerosol cans.
Non-Ferrous Furniture	Furniture pieces that are primarily composed of non-ferrous components (excluding aluminum).
Non-Ferrous White Goods	Household appliances like refrigerators, washing machines, dryers, and dishwashers that are made primarily from metals other than iron (non-ferrous metals)
Other Non-Ferrous Metal	Metal materials not composed of iron or aluminum.

TEXTILES

Clothing	Items woven or knitted from natural or artificial fibers that can be worn.
Carpet	A floor or stair covering made from thick woven fabric.
Carpet Padding	Carpet underlay/padding.
Artificial Turf	Artificial grass surface used for athletic fields.
Upholstered Furniture	Seating or furniture items covered with fabric or leather and filled with padding, springs, or foam.
Other Textiles	All textiles excluding clothing.

RUBBER & LEATHER

Tires	A rubber ring, which can be filled with air, used for vehicles.
Rubber & Leather	Any items made of rubber or leather excluding tires.

WOOD

Wood	Manufactured wooden items.
Wooden Furniture	Furniture pieces that are primarily composed of wood and/or timber (by weight).

FOOD

Food	Food intended for human consumption including cooked food, uncooked food, ingredients, and food scraps.
------	---

YARD WASTE

Yard Waste	Organic material from yard maintenance (e.g., branches, leaves, grass clippings).
------------	---

OTHER ORGANICS

Other Organics	Items composed of or contaminated with organic material.
----------------	--

OTHERS

Electronic-Containing Waste	Waste containing a circuit board.
Rechargeable Batteries	Household and small appliance batteries (usually lithium-ion, Ni-MH, Ni-Cd, Ni-Zn, Ph) that can be recharged.
Non-Rechargeable Batteries	Batteries that must be disposed of after all power has been depleted (usually AA, AAA, C, D-cells).
Household Hazardous Waste	Household chemicals labeled as flammable, corrosive, explosive or toxic/poison.
Regulated Medical Waste	Discarded materials from healthcare facilities such as hospitals, pharmacies, and nursing homes that may pose a risk of infection, injury, and contaminations.
Paint	A solution of pigments, binders, solvents, and additives that is spread over a surface to leave a decorative and/or protective coating. Excludes dried paint.
Fines	Small, unidentifiable pieces that cannot be picked up by hand or do not fall into a specific category.



Table of Contents

Disclaimer	1
Glossary of Waste Categories	2
Executive Summary	5
1. Introduction	6
1.1. Study Objectives	7
1.2. County Location and Demographics	8
1.3. County Waste Management	9
2. Methodology	10
2.1. Sample Collection	11
2.2. Sorting Procedure	12
2.3. Waste Categories	13
2.4. Data Analysis	14
3. Results	15
3.1. MSW	16
3.1.1. Major Components in MSW	18
3.1.2. Recyclables in MSW	19
3.1.3. Compostables in MSW	20
3.2. Recyclables	21
3.2.1. Targeted Materials vs Contaminants	21
3.2.2. Recyclables Compositions Details	22
3.2.3. Contaminants in Recyclables	23
4. Conclusion	24
Appendices	26
A-1. MSW Composite Percentages and Sampling Data	27
A-2. Recyclables Composite Percentages and Sampling Data	29
A-3. Warren County 2025 Sampling Workplan	31
A-4. Warren County Recycling Guide	32
A-5. Pictures from the Sampling Event	33

Executive Summary

A total of 781.9 lbs (5 samples) of Municipal Solid Waste (MSW) and 561.5 lbs (6 samples) of recyclables were sorted into 69 specific categories at the Town of Warrensburg Transfer Station (TS), Town of Queensbury TS, and Town of Lake George TS, Warren County, NY from May 13-15, 2025. Sampling was done by a team from the Waste Data and Analysis Center (WDAC), Stony Brook University, under an MOU between the University and the New York State Department of Environmental Conservation (NYSDEC). This project analyzed the compositions of MSW and recyclables managed by the facilities, and was intended to help define the composition of wastes in New York State.

Key Findings

MSW

- The waste stream managed by the Town Transfer Stations was primarily composed of Food (29.1%), Paper (26.5%), Plastics (14.2%), and Other Organics (6.8%), which collectively represent 76.5% of the total MSW.
- Food was the dominant category in the MSW samples from the Warrensburg TS (36.6%). Paper (30.8%) emerged as the largest category in the samples originating from Queensbury TS. Plastics (19.3%) was the largest category in the Lake George TS MSW sample.
- 19.8% of the total MSW managed by the transfer stations consisted of materials classified as targeted recyclables. Paper Recyclables (12.1%) represented the largest share, followed by Plastic Recyclables (4.0%), Glass Recyclables (2.1%), and Metal Recyclables (1.5%).
- Compostable materials (Food and Yard Waste) comprised 32.1% of the total waste managed, which Food waste alone accounting for 29.1% of the total MSW.

Recyclables

- Contamination rates in collected recyclable materials were low: 3.7% in Mixed Paper stream. Old Corrugated Cardboard (2.0%) represented the primary contaminant within this stream, followed by Shredded Paper (1.2%), and Hardcover Books (0.5%)
- Contamination rate in the Plastics (#1-#7) stream were high (30.5%). Non-Recyclable Plastics were the dominant contaminant (25%), followed by Other Organics (2.2%) and HHW (1.8%).

1. INTRODUCTION

- 1.1. Study Objectives
- 1.2. County Location and Demographics
- 1.3. County Waste Management

1.1. Study Objectives

This report presents the findings of the New York State Waste Characterization Study conducted at the Town of Warrensburg Transfer Station (TS), Town of Queensbury TS, Town of Lake George TS, Warren County, NY from May 13-15, 2025.

Led by Stony Brook University's Waste Data and Analysis Center (WDAC) and funded by the New York State Department of Environmental Conservation (NYSDEC), this study analyzes the composition of municipal solid waste (MSW) and recyclables managed by the facilities.

The report identifies primary waste components, focusing on the recovery potential of recyclable and compostable materials. Additionally, it evaluates the presence of targeted materials and contaminants within drop-off recycling streams.



Source: Google Maps

Town of Warrensburg Transfer Station: 4 Dump Rd, Warrensburg, NY 12885
Town of Queensbury Transfer Station: 64 Luzerne Rd, Queensbury, NY 12804
Town of Lake George Transfer Station: 56 Transfer Rd, Lake George, NY 12845

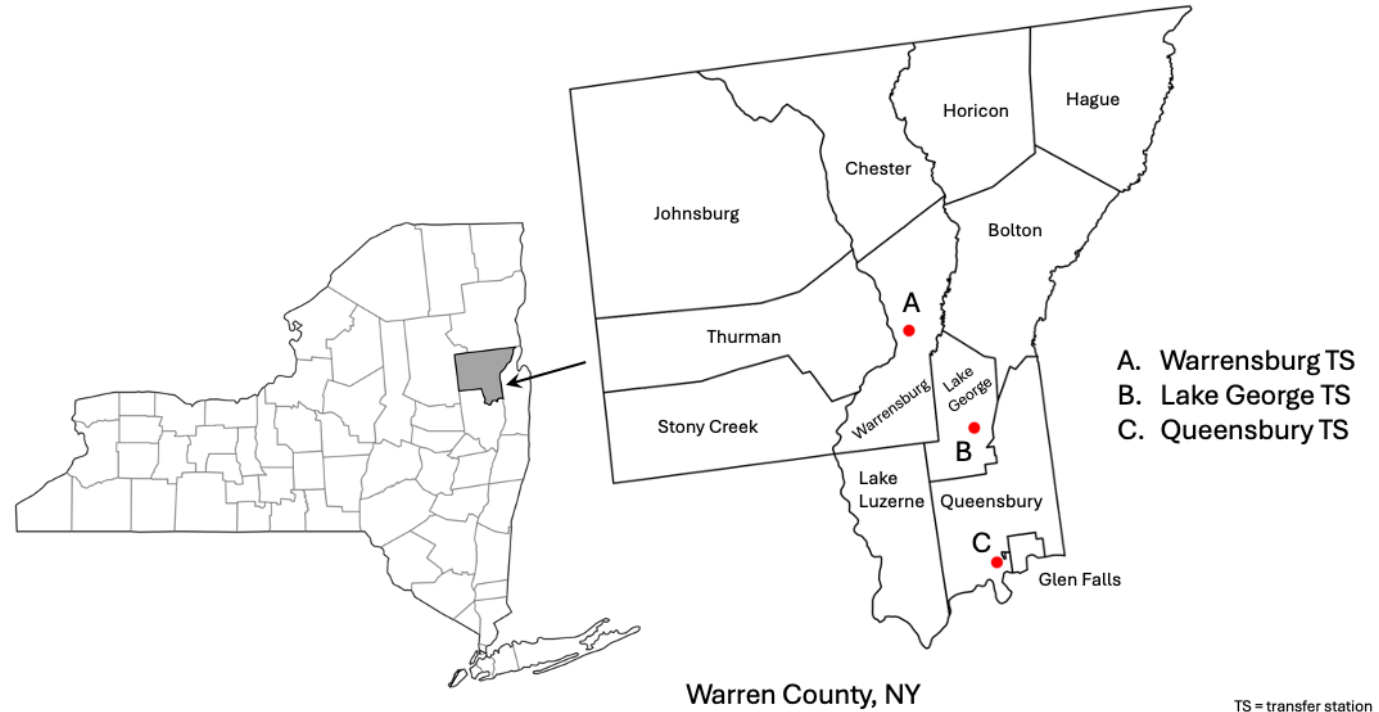
1.2. County Location and Demographics

Warren County is located in the eastern part of New York State, north of Albany and along the Adirondack region near Lake George. It is one of the larger counties in New York State by land area.

Warren County's population was estimated at 65,020 in 2025. The demographic profile is predominantly White (about 92-95%), with smaller Hispanic or Latino, Black or African American, and Asian populations.

Educational attainment is relatively high, with 93.3% of adults age 25 and older holding at least a high school diploma and 36.4% holding a bachelor's degree or higher.

The median household income was approximately \$78,400 (2020-2024 inflation-adjusted dollars).



Source: U.S. Census Bureau

1.3. County Waste Management

The Warren County Department of Public Works manages municipal solid waste (MSW) and recyclables through a network of town-operated transfer station system. These facilities serve as local drop-off points for household garbage, recyclables, yard waste (in some towns), and limited bulk materials. Waste collected at transfer stations is typically transported to regional processing or disposal facilities rather than being landfilled locally.

Warren County's overall MSW is much larger when wastes managed by private haulers are included (approximately 73,000 tons/year handled through the broader system). Town transfer stations handle only a small fraction (10-15%) of total county MSW.

Recycling is generally accepted at most transfer stations at no cost, while household solid waste is charged either per bag, per punch card, or by weight depending on the town. Operations and hours vary by municipality, as each town manages its own facility.

Accepted recyclable materials include:

- **Cardboard:** Corrugated boxes, cereal/food boxes, paper grocery bags
- **Mixed Paper:** Office/copier paper, shredded paper, junk mail, envelopes, newspapers, magazines, catalogs, paperback & telephone books
- **Plastics (#1–#7):** Bottles, containers, tubes
- **Glass:** Bottles and jars (no color separation required)
- **Metals:** Tin food cans, aluminum food & beverage cans, aluminum foil and pans

Additional materials accepted include scrap metal, white goods (appliances), rechargeable batteries (Ni-Cd, lead-acid, lithium-ion, automotive), and electronic equipment (e.g., TVs, computers, printers), with fees charged for electronics. Yard waste drop-off is accepted free of charge.



2. METHODOLOGY

- 2.1. Sample Collection
- 2.2. Sorting Procedure
- 2.3. Waste Categories
- 2.4. Data Analysis

2.1. Sample Collection

MSW

Date	Sample Origin	Weight (lbs)
5/13/2025	Warrensburg TS	147.4
	Warrensburg TS	156.6
5/14/2025	Queensbury TS	159.9
	Queensbury TS	153.4
5/15/2025	Lake George TS	164.6
<i>Total</i>		<i>781.9</i>

Recyclables

Date	Sample Origin	Weight (lbs)
5/13/2025	Mixed Paper, Warrensburg TS	127.1
	Plastics, Warrensburg TS	61.4
5/14/2025	Mixed Paper, Queensbury TS	164.7
	Plastics, Queensbury TS	37.3
5/15/2025	Plastics, Lake George TS	63.6
	Mixed Paper, Lake George TS	107.4
<i>Total</i>		<i>561.5</i>

All samples were selected in accordance with the sampling plan developed by Stony Brook University's WDAC in collaboration with the Warren County (Appendix A-5). Selection was further influenced by the availability of targeted waste deliveries on the sampling day and specific on-site conditions encountered during the event. For example, if deliveries from a planned sample origin were unavailable, a similar or readily available sample was substituted. Overall, there were no significant deviations from the original sampling plan.

2.2. Sorting Procedure



All samples were sorted within a designated safe area. A skid steer transported the collected samples to the sorting area and placed the material onto tarps. The sorting team then manually transferred the material to a sorting table and hand-sorted the components into bins or cans according to predefined categories.

Materials too small to be sorted individually were classified as fines. The team visually estimated the composition of these fines, and the resulting percentages were allocated to their respective categories during the data analysis phase. Once sorting was complete, each container was weighed on a calibrated digital scale to determine its gross weight. The net weight for each material category was then obtained by subtracting the pre-recorded tare weight of the empty container from the gross weight. Finally, all sorted categories were photographed for the record before being returned to the main stockpile for proper disposal or processing.

Sorting Team

Hailey Lee

Ali Mayeli

Griffin Walker

2.3. Waste Categories

Paper ❑ Old Corrugated Cardboard ❑ Old Newspaper ❑ Boxboard ❑ Shredded Paper ❑ Aseptic/Gable Tops ❑ Pizza Boxes ❑ Mail ❑ Printed/Office Paper ❑ Magazines/Glossy ❑ Other Recyclable Paper ❑ Hardcover Books ❑ Softcover Books ❑ Compostable Paper ❑ Other Paper	Glass ❑ Deposit Glass Containers ❑ Non-Deposit Glass Containers ❑ Glass Fragments ❑ Other Glass	Metals ❑ Ferrous Containers ❑ Ferrous Furniture ❑ Ferrous White Goods ❑ Other Ferrous ❑ Deposit Aluminum Containers ❑ Non-Deposit Aluminum Containers ❑ Aluminum Foil ❑ Aluminum Furniture ❑ Aluminum White Goods ❑ Other Aluminum ❑ Non-Ferrous Furniture ❑ Non-Ferrous White Goods ❑ Other Non-Ferrous Metal	Plastics ❑ Deposit #1 Bottles ❑ Non-Deposit #1 Bottles/Jars ❑ Clamshells/Containers #1 ❑ Containers #2 Colored ❑ Containers #2 Natural ❑ Containers #3-7 (Not #5) ❑ Containers #5 ❑ Other Unnumbered Containers/Lids/Fragments ❑ Black Plastic Containers ❑ Retail Plastic Bags ❑ Garbage Bags ❑ Other Plastic Film ❑ Other Rigid/Bulky Plastics ❑ Other Plastics ❑ Plastic Furniture	Textiles ❑ Clothing ❑ Carpet ❑ Carpet Padding ❑ Artificial Turf ❑ Upholstered Furniture ❑ Other Textiles	Others ❑ Electronic Containing Waste ❑ Rechargeable Batteries ❑ Non-Rechargeable Batteries ❑ Household Hazardous Waste ❑ Regulated Medical Waste ❑ Paint ❑ Fines
Food ❑ Food	Wood ❑ Wood ❑ Wooden Furniture	Yard Waste ❑ Yard Waste	Other Organics ❑ Other Organics	Other Inorganics ❑ Ceramics ❑ Do-It-Yourself Construction & Demolition Debris ❑ Other Inorganics	Rubber & Leather ❑ Tires ❑ Rubber & Leather

❑ : Targeted Recyclable Items

❑ : Compostable Materials

❑ : Recyclable/Reusable Material Outside the Drop-off Bins

2.4. Data Analysis

The study results are presented using composite percentages (*CP*). The CP treats all individual samples as a single, large aggregated sample to estimate the overall composition. It is calculated by dividing the total weight of a specific material category by the total weight of all samples sorted for that waste stream.

$$CP_{XYZ} = \frac{\sum_i W_{XYZ,i}}{\sum_i W_{YZ,i}}$$

Where:

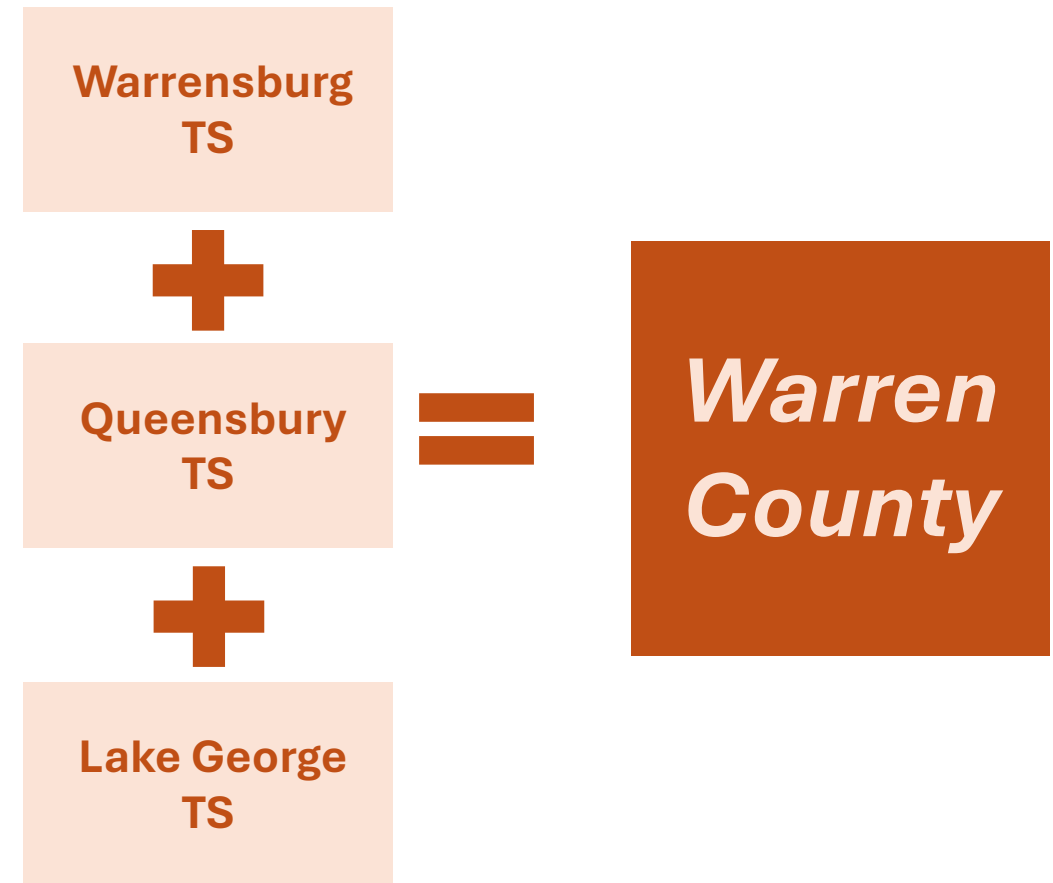
CP_{XYZ} is the composite percentage of category *X* in location *Y* for recycling stream *Z*.

$W_{XYZ,i}$ is the weight of category *X* in sample *i* from location *Y* and recycling stream *Z*.

$W_{YZ,i}$ is the weight of sample *i* from location *Y* and recycling stream *Z*.

For MSW, the **Warren County** represents the composite of all collected samples. **Warrensburg TS** refers to the composite of all samples originating from the facility of Town of Warrensburg TS. **Queensbury TS** refers to the composite of all samples originating from the facility of Town of Queensbury TS. **Lake George TS** refers to the composite of all samples originating from the facility of Town of Lake George TS.

For drop-off recyclables, composites were calculated for each material type/stream: Mixed Paper and Plastics.



MSW samples

3. RESULTS

3.1. MSW Composition

3.1.1. Major Components

3.1.2. Recyclables in MSW

3.1.3. Compostables in MSW

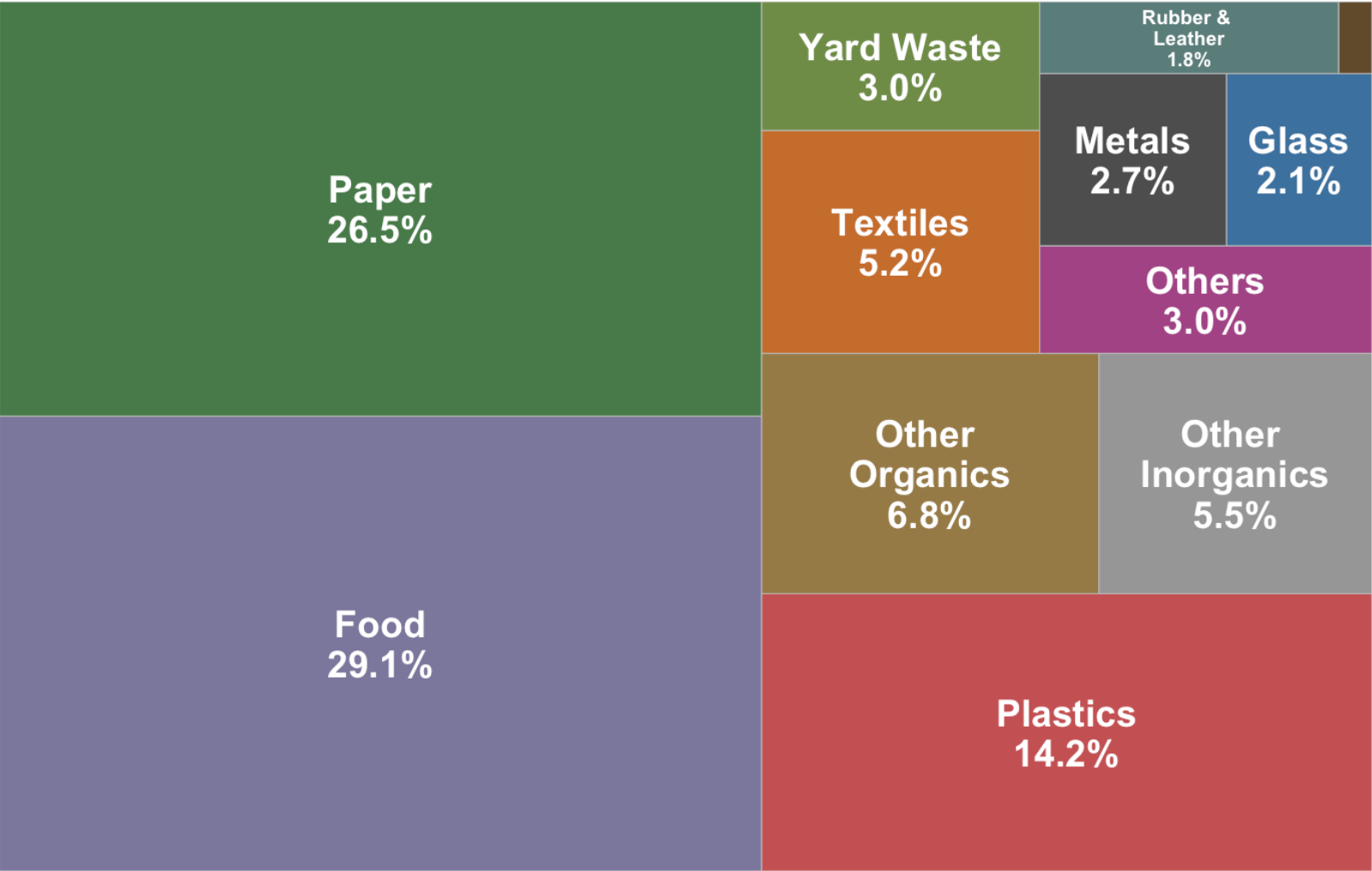
3.2. Recyclables Composition

3.2.1. Target Materials vs Contaminants

3.2.2. Recyclable Composition Details

3.2.3. Contaminants in Recyclables

3.1. MSW Composition: Warren County (2025)



Warren County

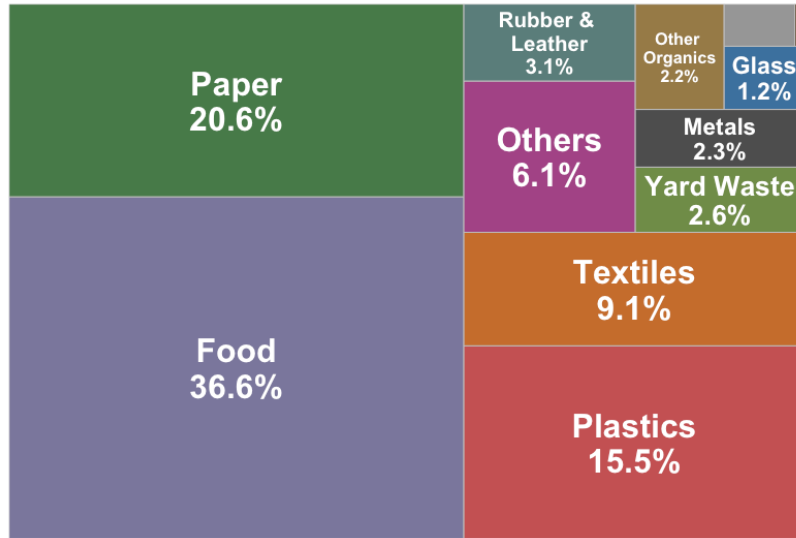
The **Warren County MSW** represented the overall waste composition, incorporating all samples (N = 5, Total = 781.9 lbs) originated from Warrensburg TS, Queensbury TS, and Lake Geroge TS.

Food was the largest waste category managed by the three Town transfer stations.

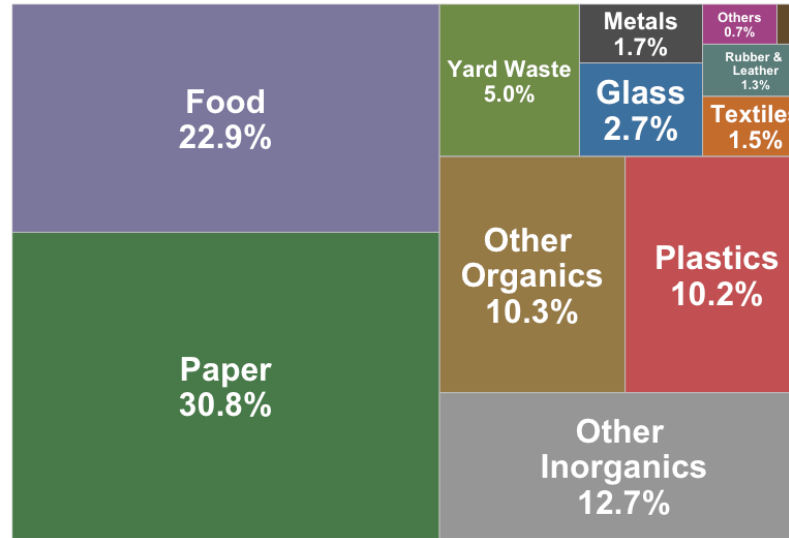
- The “Others” category consisted of:
- Household Hazardous Waste (2.9%)
 - Paint (0.1%)

Detailed breakdowns of all specific categories are provided in Appendix A-1.

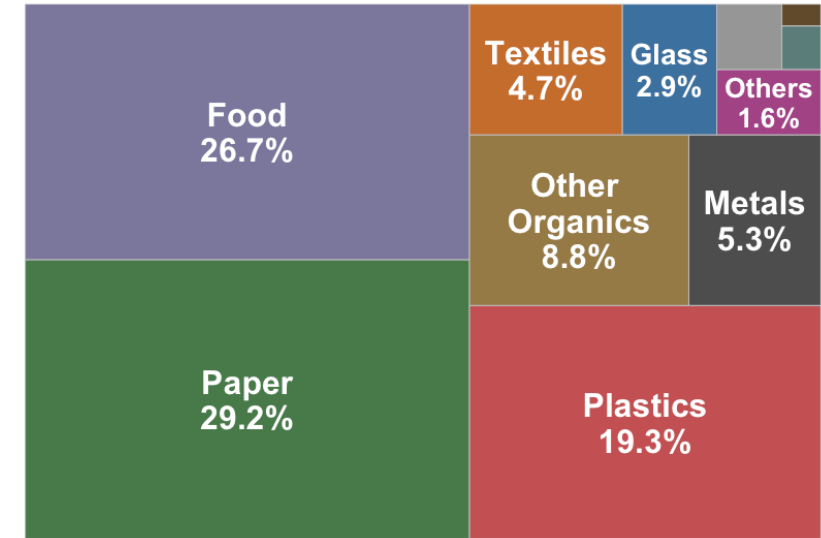
3.1. MSW Composition: Warrensburg TS, Queensbury TS, Lake Geroge TS



Warrensburg TS



Queensbury TS



Lake Geroge TS

The **Warrensburg TS MSW** represented the samples collected from the Town of Warrensburg TS (N = 2, Total = 282.9 lbs). Food (36.6%) was the largest waste category managed by the Warrensburg TS. “Others” category consisted of: Household Hazardous Waste (6.1%).

The **Queensbury TS MSW** represented the samples collected from the Town of Queensbury TS (N = 2, Total = 301.3 lbs). Paper (30.8%) was the largest waste category managed by the Queensbury TS. “Others” category consisted of: Household Hazardous Waste (0.7%).

The **Lake Geroge TS MSW** represented the samples collected from the Town of Lake Geroge TS (N = 1, Total = 154.3 lbs). Paper (29.2%) was the largest waste category managed by the Warrensburg TS. “Others” category consisted of: Household Hazardous Waste (0.8%), Paint (0.7%), and Non-Rechargeable Batteries (0.1%).

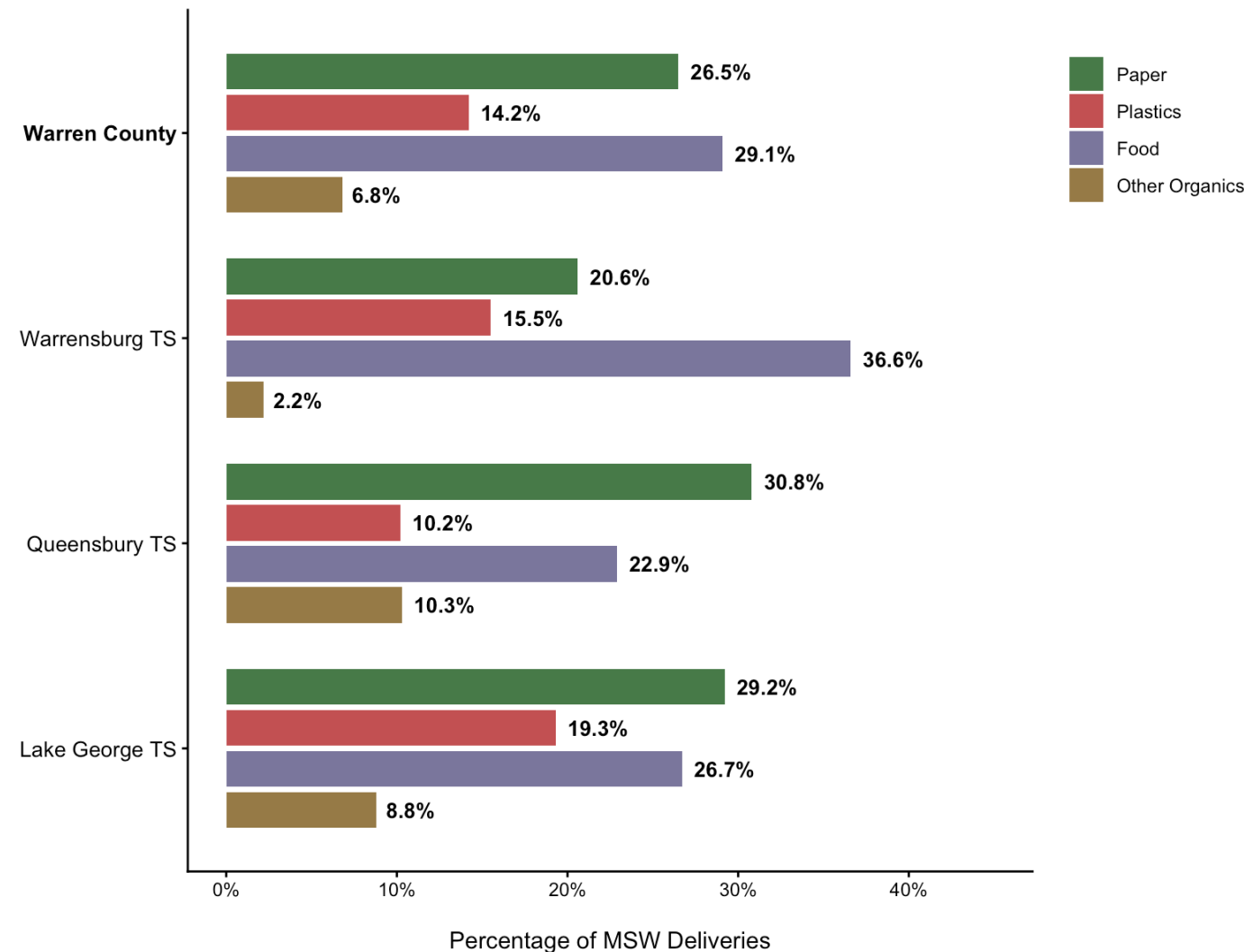
3.1.1. Major Components in MSW (Warren County, 2025)

The major components of waste managed by the Warren County were **Paper (26.5%)**, **Plastics (14.2%)**, **Food (29.1%)**, and **Other Organics (6.8%)**, which collectively accounted for 76.5% of the total MSW.

Warrensburg TS waste contained a higher percentage of Food (36.6%). It contained the lowest percentage of Other Organics (2.2%).

Queensbury TS waste contained a higher percentage of Paper (30.8%), and Other Organics (10.3%). It contained the lowest percentage of Plastics (10.2%).

Lake George TS waste contained the highest percentage of Plastics (19.3%) compared to other transfer stations.

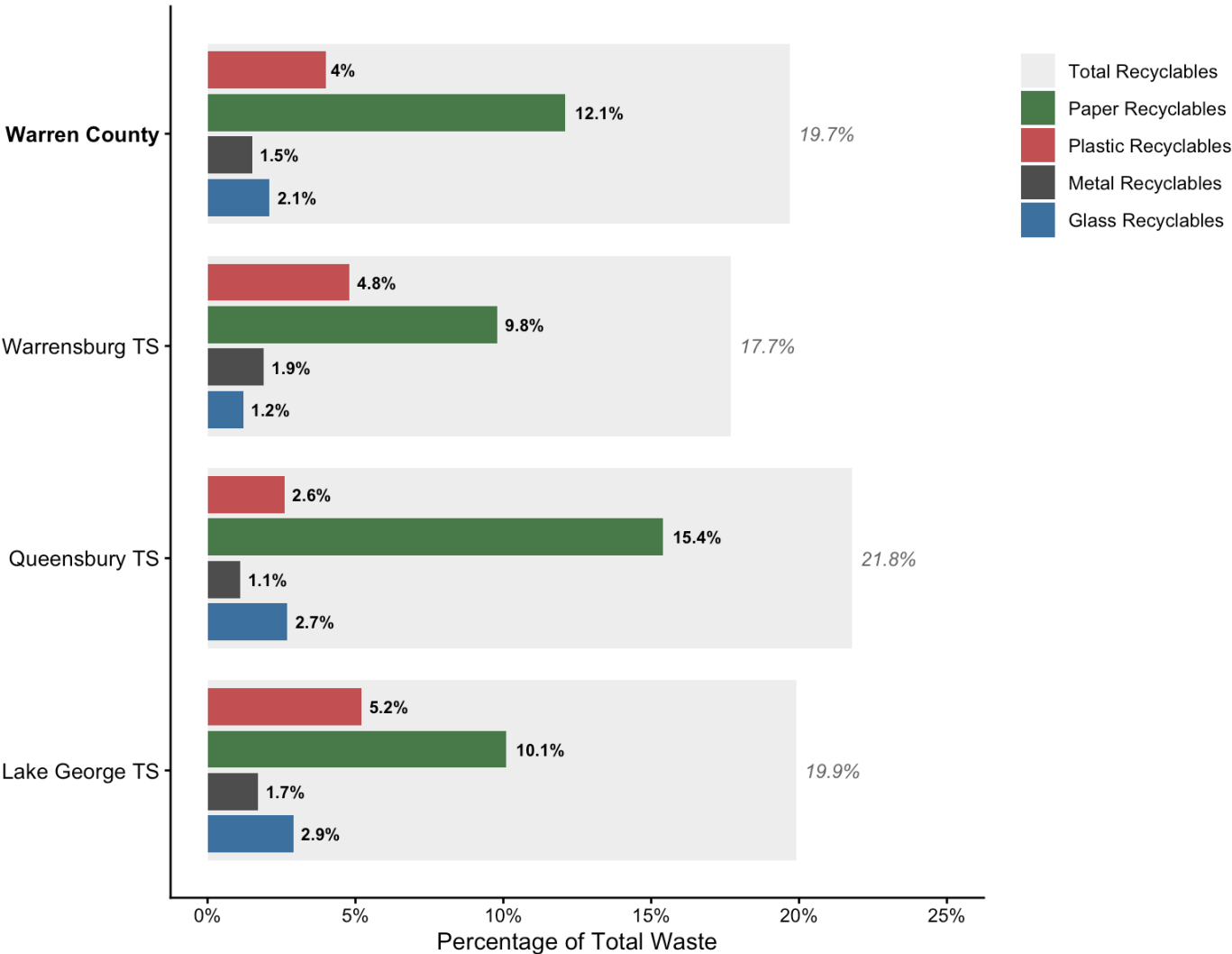


3.1.2. Recyclable Components in MSW (Warren County, 2025)

19.7% of total waste managed by **Warren County** consisted of recyclable items according to the County’s definition. **Paper Recyclables (12.1%)** accounted for the highest proportion, while Metal (1.5%) and Glass (2.1%) recyclables both represented the smallest proportion.

Queensbury TS waste contained more recyclable materials (21.8%) than both Warrensburg TS waste (17.7%) and Lake George TS waste (19.9%).

Queensbury TS waste contained higher percentage of Paper Recyclables (15.4%). Lake George TS waste contained higher percentages of Plastic Recyclables (5.2%) and Glass Recyclables (2.9%). Warrensburg TS waste contained a higher percentage of Metal Recyclables (1.9%),

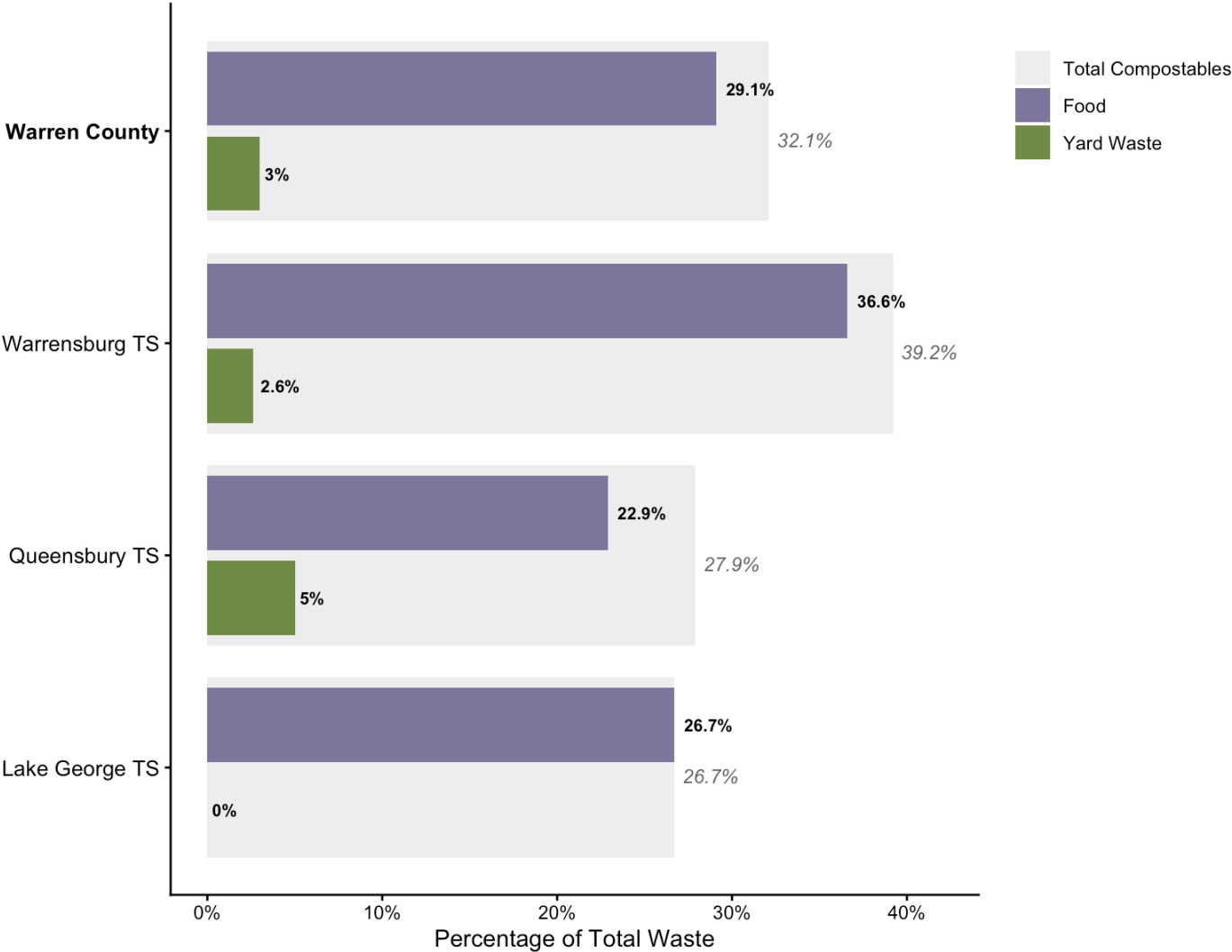


3.1.3. Compostable Components in MSW (Warren County, 2025)

32.1% of the total waste managed by Warren County consisted of items that could be composted. Food alone accounted for 29.1% of the total MSW. **Yard Waste** accounted for 3%.

Warrensburg TS waste contained more compostable material (39.2%) than Queensbury TS waste (27.9%) and Lake George TS waste (26.7%).

Queensbury TS waste contained a higher percentage of Yard Waste (5%) in its MSW compared to Warrensburg TS waste (2.6%) and Lake George TS waste (0%).



3.2.1. Recyclables: Targeted Materials vs Contaminants

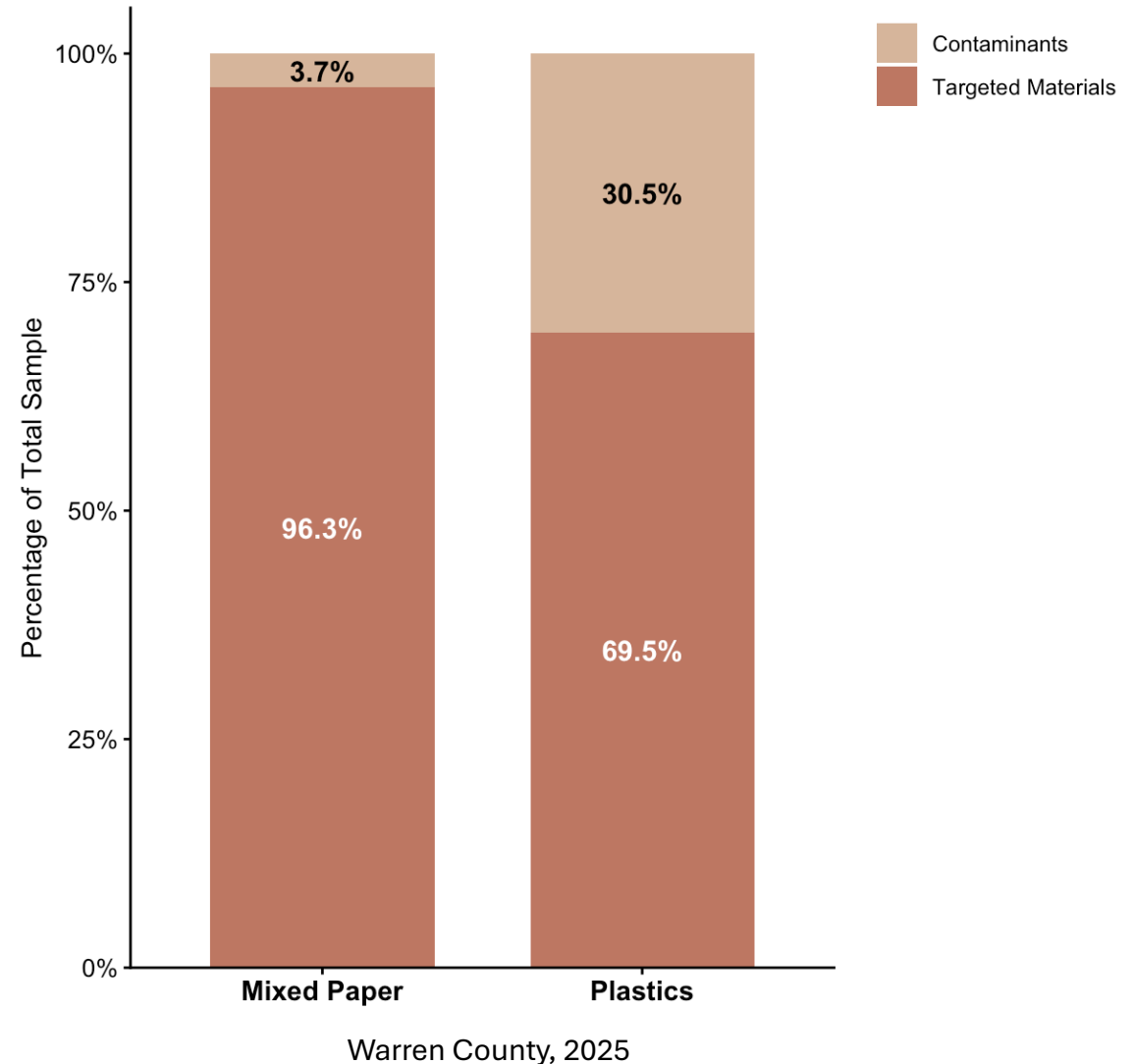
Warrensburg TS, Queensbury TS, and Lake George TS received drop-off recyclables. This report analyzed two recyclables streams received at Warrensburg TS (1 Mixed Paper and 1 Plastics), Queensbury TS (1 Mixed Paper and 1 Plastics), and Lake George TS (1 Mixed Paper and 1 Plastics):

- Mixed Paper (N =6, Total = 193.3 lbs)
- Plastic Container (#1-#7) (N = 6, Total = 81.0 lbs)

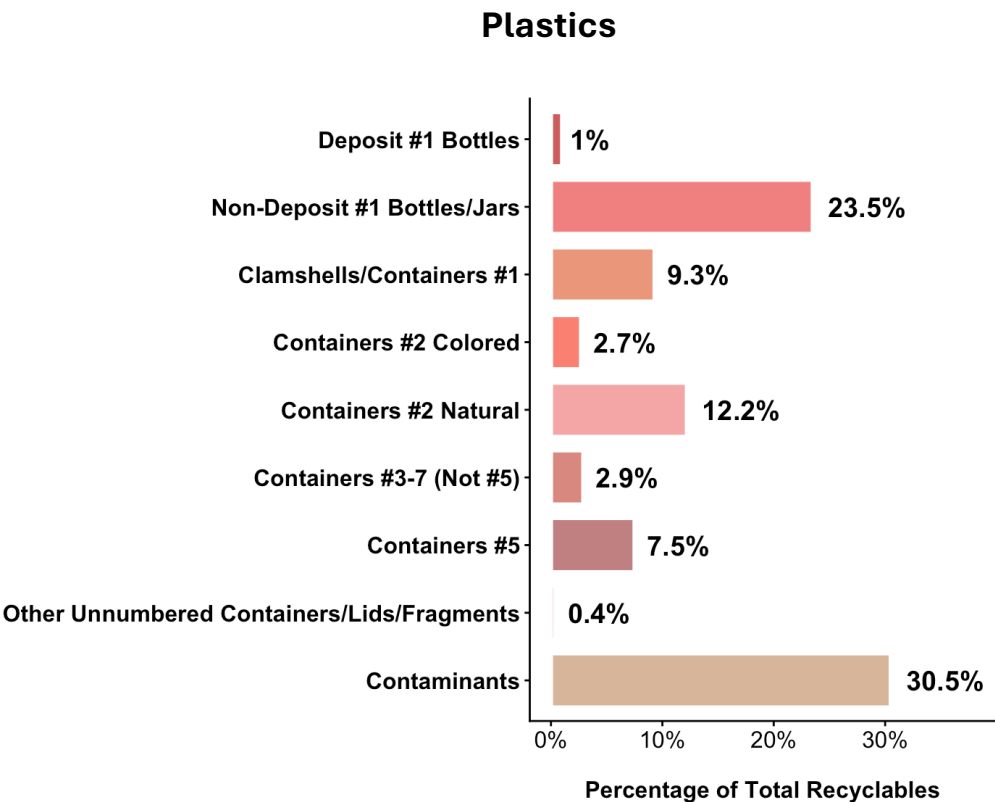
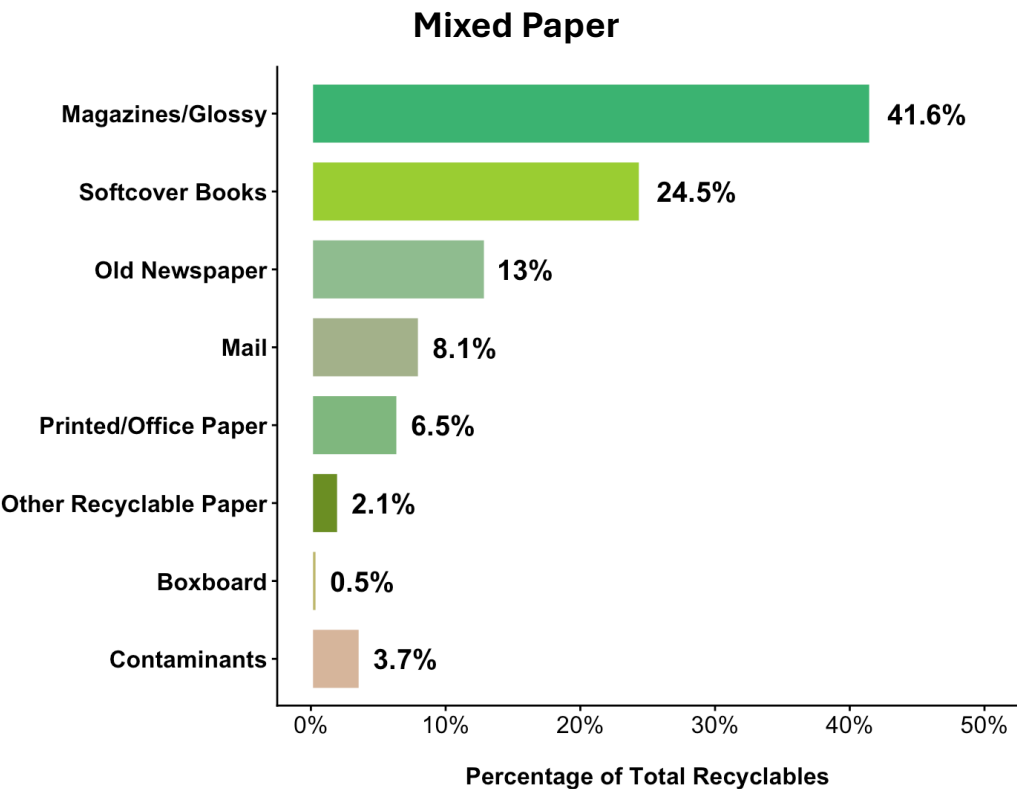
Targeted Materials refer to specific WDAC waste categories designated as acceptable recyclable items by the transfer stations. Conversely, Contaminants represent any material categories not accepted as recyclables within a given stream. For example, Old Newspaper is contaminant in the Plastics recyclables stream.

The **Mixed Paper** had the **cleanest** recyclable materials (96.3%), while **Plastics #1-#7** stream had a **contamination rate of 30.5%**.

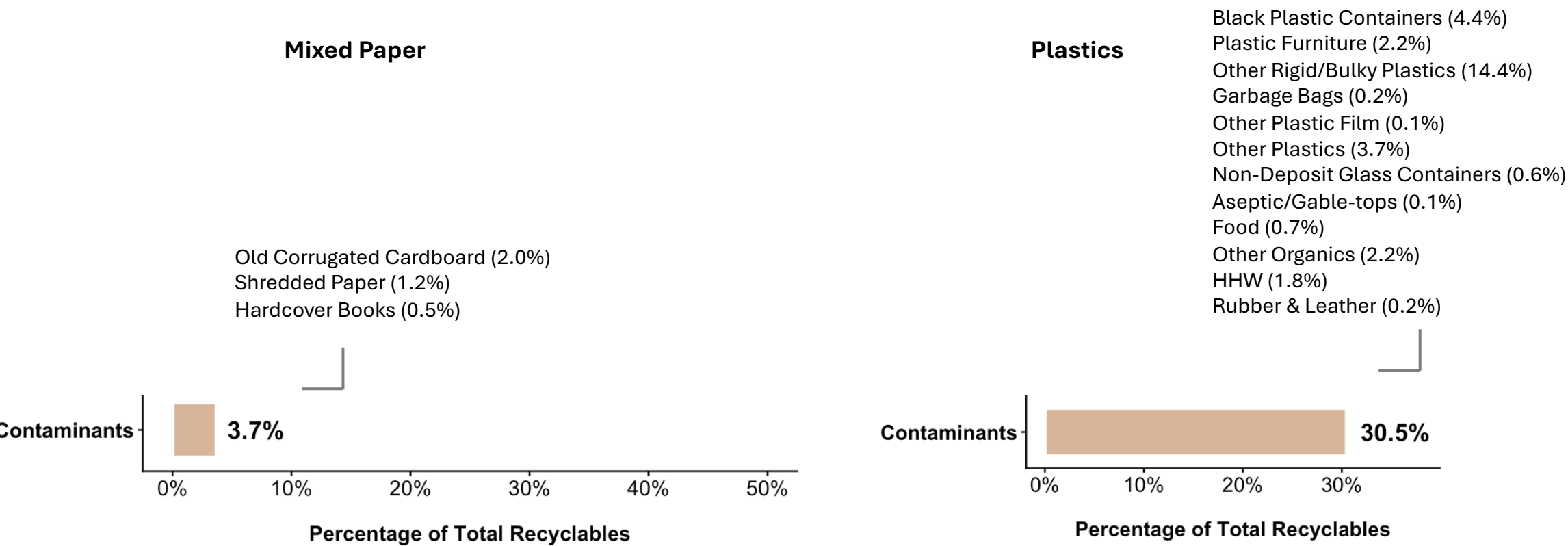
Detailed breakdowns of all specific categories are provided in Appendix A-2.



3.2.2. Recyclables Composition Details (Warren County, 2025)



3.2.3. Contaminants in Recyclables (Warren County, 2025)



4. CONCLUSION

Conclusion

This report presents the findings of the 2025 waste characterization study conducted at the Town of Warrensburg Transfer Station (TS), Town of Queensbury TS, and Town of Lake George TS, Warren County, NY. The analysis indicates that Paper, Plastics, Food, and Other Organics were the four primary components of the waste stream, collectively accounting for 76.5% of the total MSW. 19.8% of the total waste was composed of recyclable items, with Paper Recyclables making up the largest share. Meanwhile, 32.1% consisted of compostable material, driven largely by Food at 29.1%.

In the recycling stream, Mixed Paper consistently displayed the lowest contamination rates (3.7%), whereas the Plastics stream exhibited the highest (30.5%). The presence of non-targeted materials highlights the need for improved source separation.

These findings can provide a critical baseline for the Warren County Department of Public Works to develop targeted waste management strategies. Recommendations include public outreach and specific campaigns to address recyclables in the MSW stream. Finally, as this study was conducted during the spring, any generalizations based on these findings should consider seasonal fluctuations in waste composition.

Appendices

- A-1. MSW Composite Percentages and Sampling Data
- A-2. Recyclables Composite Percentages and Sampling Data
- A-3. Warren County 2025 Sampling Workplan
- A-4. Warren County Recycling Guide
- A-5. Pictures from the Sampling Event

A-1. MSW Composite Percentages and Sampling Data

Specific Waste Category	Warren County CP	Warrensburg TS CP	Queensbury TS CP	Lake George TS CP
Old Corrugated Cardboard*	3.6%	5.1%	2.8%	2.5%
Old Newspaper*	0.5%	0.1%	0.7%	0.5%
Boxboard*	3.3%	2.5%	4.2%	2.9%
Shredded Paper	0.5%	1.2%	0.1%	0.0%
Aseptic/Gable Tops	0.9%	2.0%	0.1%	0.6%
Pizza Boxes	0.1%	0.0%	0.2%	0.3%
Mail*	2.5%	0.7%	5.1%	0.9%
Printed/Office Paper*	0.6%	0.2%	0.8%	1.2%
Magazines/Glossy*	0.8%	0.6%	0.8%	1.2%
Other Recyclable Paper*	0.8%	0.6%	1.0%	1.0%
Hardcover Books	0.7%	0.0%	1.4%	0.5%
Softcover Books	0.0%	0.0%	0.0%	0.0%
Compostable Paper	9.3%	5.9%	10.9%	12.9%
Other Paper	2.8%	1.7%	2.8%	4.6%
Deposit Glass Containers*	0.0%	0.0%	0.0%	0.0%
Non-Deposit Glass Containers*	2.1%	1.2%	2.7%	2.9%
Glass Fragments*	0.0%	0.0%	0.0%	0.0%
Other Glass	0.0%	0.0%	0.0%	0.0%
Ferrous Containers*	0.5%	0.4%	0.4%	0.9%
Ferrous Furniture	0.0%	0.0%	0.0%	0.0%
Ferrous White Goods	0.0%	0.0%	0.0%	0.0%
Other Ferrous	0.9%	0.4%	0.5%	2.9%
Deposit Aluminum Containers*	0.5%	1.3%	0.0%	0.2%
Non-Deposit Aluminum Containers*	0.1%	0.1%	0.2%	0.0%
Aluminum Foil*	0.5%	0.2%	0.6%	0.7%
Aluminum Furniture	0.0%	0.0%	0.0%	0.0%
Aluminum White Goods	0.0%	0.0%	0.0%	0.0%
Other Aluminum	0.0%	0.0%	0.0%	0.0%
Non-Ferrous Furniture	0.0%	0.0%	0.0%	0.0%
Non-Ferrous White Goods	0.0%	0.0%	0.0%	0.0%
Other Non-Ferrous Metal	0.2%	0.1%	0.0%	0.7%
Deposit #1 Bottles*	0.2%	0.5%	0.1%	0.1%
Non-Deposit #1 Bottles/Jars*	1.3%	2.2%	0.5%	1.3%
Clamshells/Containers #1*	0.3%	0.1%	0.3%	0.9%
Containers #2 Colored*	0.5%	0.4%	0.6%	0.4%
Containers #2 Natural*	0.2%	0.3%	0.1%	0.4%
Containers #3-7 (Not #5)*	0.1%	0.0%	0.1%	0.4%
Containers #5*	1.2%	1.3%	0.9%	1.5%
Other Unnumbered Containers/Lids/Fragments*	0.1%	0.0%	0.1%	0.1%
Black Plastic Containers	0.1%	0.0%	0.2%	0.1%
Plastic Furniture	0.0%	0.0%	0.0%	0.0%
Other Rigid/Bulky Plastics	0.7%	1.9%	0.0%	0.0%
Retail Plastic Bags	0.0%	0.0%	0.0%	0.0%
Garbage Bags	1.6%	1.7%	1.2%	2.1%
Other Plastic Film	2.1%	2.0%	1.9%	3.0%
Other Plastics	5.6%	5.1%	4.3%	8.9%

Specific Waste Category	Warren County CP	Warrensburg TS CP	Queensbury TS CP	Lake George TS CP
Rubber & Leather	1.8%	3.1%	1.3%	0.4%
Tires	0.0%	0.0%	0.0%	0.0%
Clothing	1.1%	1.0%	0.3%	3.1%
Carpet	0.0%	0.0%	0.0%	0.0%
Carpet Padding	0.0%	0.0%	0.0%	0.0%
Artificial Turf	0.0%	0.0%	0.0%	0.0%
Upholstered Furniture	0.8%	2.2%	0.0%	0.0%
Other Textiles	3.2%	6.0%	1.3%	1.6%
Wood	0.2%	0.1%	0.3%	0.2%
Wooden Furniture	0.0%	0.0%	0.0%	0.0%
Food^	29.1%	36.6%	22.9%	26.7%
Yard Waste^	3.0%	2.6%	5.0%	0.0%
Other Organics	6.8%	2.2%	10.3%	8.8%
Ceramics	0.1%	0.2%	0.0%	0.0%
Do-It-Yourself Construction & Demolition Debris	0.1%	0.1%	0.2%	0.0%
Other Inorganics	5.4%	0.4%	12.5%	1.0%
Electronic-Containing Waste	0.0%	0.0%	0.0%	0.0%
Rechargeable Batteries	0.0%	0.0%	0.0%	0.0%
Non-Rechargeable Batteries	0.0%	0.0%	0.0%	0.1%
Household Hazardous Waste	2.8%	6.1%	0.7%	0.8%
Paint	0.1%	0.0%	0.0%	0.7%
Regulated Medical Waste	0.0%	0.0%	0.0%	0.0%
Fines	0.0%	0.0%	0.0%	0.0%
Sum	100.0%	100.0%	100.0%	100.0%

Specific Waste Category

* = recyclables

^ = compostables

CP = composite percentages

A-1. MSW Composite Percentages and Sampling Data

	Sampling Date	5/13/25	5/13/25	5/14/25	5/14/25	5/15/25
	Sample Origin	Warrensburg TS	Warrensburg TS	Queensbury TS	Queensbury TS	Lake George TS
Specific Waste Category		Weight (lbs)	Weight (lbs)	Weight (lbs)	Weight (lbs)	Weight (lbs)
Old Corrugated Cardboard*		2.5	12.9	7.5	1.3	4.1
Old Newspaper*		0.3	0.1	0.0	2.3	0.9
Boxboard*		4.7	2.9	7.6	5.5	4.8
Shredded Paper		3.7	0.0	0.3	0.0	0.0
Aseptic/Gable Tops		5.6	0.4	0.0	0.2	1.0
Pizza Boxes		0.0	0.0	0.6	0.0	0.5
Mail*		1.5	0.7	10.5	5.6	1.4
Printed/Office Paper*		0.2	0.3	1.1	1.3	1.9
Magazines/Glossy*		0.8	1.0	1.0	1.5	1.9
Other Recyclable Paper*		0.7	1.1	1.5	1.5	1.7
Hardcover Books		0.0	0.0	4.4	0.0	0.9
Softcover Books*		0.0	0.0	0.0	0.0	0.0
Compostable Paper		10.6	7.2	19.6	14.4	21.3
Other Paper		3.9	1.4	5.4	3.3	7.6
Deposit Glass Containers*		0.0	0.0	0.0	0.0	0.0
Non-Deposit Glass Containers*		1.1	2.5	8.5	0.0	4.7
Glass Fragments*		0.0	0.0	0.0	0.0	0.0
Other Glass		0.0	0.0	0.0	0.0	0.0
Ferrous Containers*		0.5	0.6	1.1	0.0	1.4
Ferrous Furniture		0.0	0.0	0.0	0.0	0.0
Ferrous White Goods		0.0	0.0	0.0	0.0	0.0
Other Ferrous		0.7	0.4	1.2	0.4	4.7
Deposit Aluminum Containers*		1.8	2.0	0.0	0.0	0.3
Non-Deposit Aluminum Containers*		0.2	0.0	0.1	0.4	0.0
Aluminum Foil*		0.5	0.2	0.7	1.2	1.1
Aluminum Furniture		0.0	0.0	0.0	0.0	0.0
Aluminum White Goods		0.0	0.0	0.0	0.0	0.0
Other Aluminum		0.0	0.0	0.0	0.0	0.0
Non-Ferrous Furniture		0.0	0.0	0.0	0.0	0.0
Non-Ferrous White Goods		0.0	0.0	0.0	0.0	0.0
Other Non-Ferrous Metal		0.0	0.2	0.1	0.0	1.2
Deposit #1 Bottles*		0.5	1.0	0.2	0.0	0.2
Non-Deposit #1 Bottles/Jars*		2.6	4.1	0.9	0.6	2.2
Clamshells/Containers #1*		0.3	0.0	0.5	0.4	1.5
Containers #2 Colored*		0.6	0.5	1.0	1.0	0.7
Containers #2 Natural*		0.6	0.3	0.3	0.0	0.7
Containers #3-7 (Not #5)*		0.0	0.0	0.0	0.4	0.6
Containers #5*		3.4	0.6	1.6	1.1	2.5
Other Unnumbered Containers/Lids/Fragments*		0.1	0.0	0.1	0.1	0.2
Black Plastic Containers		0.1	0.0	0.6	0.0	0.1
Plastic Furniture		0.0	0.0	0.0	0.0	0.0
Other Rigid/Bulky Plastics		0.0	5.7	0.0	0.0	0.0
Retail Plastic Bags		0.0	0.1	0.1	0.0	0.0
Garbage Bags		3.0	2.1	2.0	1.8	3.4
Other Plastic Film		4.7	1.3	4.7	1.1	5.0
Other Plastics		8.6	6.8	7.2	6.3	14.7

	Sampling Date	5/13/25	5/13/25	5/14/25	5/14/25	5/15/25
	Sample Origin	Warrensburg TS	Warrensburg TS	Queensbury TS	Queensbury TS	Lake George TS
Specific Waste Category		Weight (lbs)	Weight (lbs)	Weight (lbs)	Weight (lbs)	Weight (lbs)
Rubber & Leather		0.8	8.5	4.2	0.0	0.6
Tires		0.0	0.0	0.0	0.0	0.0
Clothing		0.2	2.7	0.6	0.2	5.1
Carpet		0.0	0.0	0.0	0.0	0.0
Carpet Padding		0.0	0.0	0.0	0.0	0.0
Artificial Turf		0.0	0.0	0.0	0.0	0.0
Upholstered Furniture		0.0	6.6	0.0	0.0	0.0
Other Textiles		1.7	16.6	4.0	0.0	2.7
Wood		0.0	0.2	0.8	0.0	0.3
Wooden Furniture		0.0	0.0	0.0	0.0	0.0
Food^		50.8	60.6	35.6	36.2	44.0
Yard Waste^		7.3	0.7	3.5	12.1	0.0
Other Organics		5.2	1.4	19.8	12.4	14.5
Ceramics		0.0	0.5	0.0	0.0	0.0
Do-It-Yourself Construction & Demolition Debris		0.0	0.3	0.5	0.0	0.0
Other Inorganics		0.9	0.3	0.0	39.2	1.6
Electronic-Containing Waste		0.0	0.0	0.0	0.0	0.0
Rechargeable Batteries		0.0	0.0	0.0	0.0	0.0
Non-Rechargeable Batteries		0.0	0.0	0.0	0.0	0.2
Household Hazardous Waste		16.7	1.8	0.5	1.6	1.3
Paint		0.0	0.0	0.0	0.0	1.1
Regulated Medical Waste		0.0	0.0	0.0	0.0	0.0
Fines		0.0	0.0	0.0	0.0	0.0
Sum		129.9	153.0	150.9	150.4	154.3

Specific Waste Category
 * = recyclables
 ^ = compostables

A-2. Recyclable Composite Percentages and Sampling Data

Specific Waste Category	Mixed Paper Recyclables	Plastics Recyclables
	CP	CP
Old Corrugated Cardboard*	2.0%	0.0%
Old Newspaper*	13.0%	0.0%
Boxboard*	0.5%	0.0%
Shredded Paper	1.2%	0.0%
Aseptic/Gable Tops	0.0%	0.1%
Pizza Boxes	0.0%	0.0%
Mail*	8.1%	0.0%
Printed/Office Paper*	6.5%	0.0%
Magazines/Glossy*	41.6%	0.0%
Other Recyclable Paper*	2.1%	0.0%
Hardcover Books	0.5%	0.0%
Softcover Books	24.5%	0.0%
Compostable Paper	0.0%	0.0%
Other Paper	0.0%	0.0%
Deposit Glass Containers*	0.0%	0.0%
Non-Deposit Glass Containers*	0.0%	0.6%
Glass Fragments*	0.0%	0.0%
Other Glass	0.0%	0.0%
Ferrous Containers*	0.0%	0.0%
Ferrous Furniture	0.0%	0.0%
Ferrous White Goods	0.0%	0.0%
Other Ferrous	0.0%	0.0%
Deposit Aluminum Containers*	0.0%	0.0%
Non-Deposit Aluminum Containers*	0.0%	0.0%
Aluminum Foil*	0.0%	0.0%
Aluminum Furniture	0.0%	0.0%
Aluminum White Goods	0.0%	0.0%
Other Aluminum	0.0%	0.0%
Non-Ferrous Furniture	0.0%	0.0%
Non-Ferrous White Goods	0.0%	0.0%
Other Non-Ferrous Metal	0.0%	0.0%
Deposit #1 Bottles*	0.0%	1.0%
Non-Deposit #1 Bottles/Jars*	0.0%	23.5%
Clamshells/Containers #1*	0.0%	9.3%
Containers #2 Colored*	0.0%	12.7%
Containers #2 Natural*	0.0%	12.2%
Containers #3-7 (Not #5)*	0.0%	2.9%
Containers #5*	0.0%	7.5%
Other Unnumbered Containers/Lids/Fragments*	0.0%	0.4%
Black Plastic Containers	0.0%	4.4%
Plastic Furniture	0.0%	2.2%
Other Rigid/Bulky Plastics	0.0%	14.4%
Retail Plastic Bags	0.0%	0.0%
Garbage Bags	0.0%	0.2%
Other Plastic Film	0.0%	0.1%
Other Plastics	0.0%	3.7%

Specific Waste Category	Mixed Paper Recyclables	Plastics Recyclables
	CP	CP
Rubber & Leather	0.0%	0.2%
Tires	0.0%	0.0%
Clothing	0.0%	0.0%
Carpet	0.0%	0.0%
Carpet Padding	0.0%	0.0%
Artificial Turf	0.0%	0.0%
Upholstered Furniture	0.0%	0.0%
Other Textiles	0.0%	0.0%
Wood	0.0%	0.0%
Wooden Furniture	0.0%	0.0%
Food^	0.0%	0.7%
Yard Waste^	0.0%	0.0%
Other Organics	0.0%	2.2%
Ceramics	0.0%	0.0%
Do-It-Yourself Construction & Demolition Debris	0.0%	0.0%
Other Inorganics	0.0%	0.0%
Electronic-Containing Waste	0.0%	0.0%
Rechargeable Batteries	0.0%	0.0%
Non-Rechargeable Batteries	0.0%	0.0%
Household Hazardous Waste	0.0%	1.8%
Paint	0.0%	0.0%
Regulated Medical Waste	0.0%	0.0%
Fines	0.0%	0.0%
Sum	100.0%	100.0%

Specific Waste Category

* = recyclables

^ = compostables

CP = composite percentages

A-2. Recyclable Composite Percentages and Sampling Data

Sampling Date Sample Origin	5/13/25	5/13/25	5/14/25	5/14/25	5/15/25	5/15/25
	Warrensburg TS Mixed Paper Recyclables	Warrensburg TS Plastics Recyclables	Queensbury TS Mixed Paper Recyclables	Queensbury TS Plastics Recyclables	Lake George TS Plastics Recyclables	Lake George TS Mixed Paper Recyclables
Specific Waste Category	Weight (lbs)	Weight (lbs)	Weight (lbs)	Weight (lbs)	Weight (lbs)	Weight (lbs)
Old Corrugated Cardboard*	5.2	0.0	0.0	0.0	0.0	2.6
Old Newspaper*	31.7	0.0	2.8	0.0	0.0	17.4
Boxboard*	0.0	0.0	0.5	0.0	0.0	1.6
Shredded Paper	0.0	0.0	2.3	0.0	0.0	2.3
Aseptic/Gable Tops	0.0	0.0	0.0	0.0	0.1	0.0
Pizza Boxes	0.0	0.0	0.0	0.0	0.0	0.0
Mail*	2.6	0.0	18.0	0.0	0.0	11.7
Printed/Office Paper*	6.4	0.0	9.4	0.0	0.0	10.3
Magazines/Glossy*	54.4	0.0	57.3	0.0	0.0	54.2
Other Recyclable Paper*	2.3	0.0	4.6	0.0	0.0	1.6
Hardcover Books	0.8	0.0	1.3	0.0	0.0	0.0
Softcover Books*	23.7	0.0	68.4	0.0	0.0	5.7
Compostable Paper	0.0	0.0	0.0	0.0	0.0	0.0
Other Paper	0.0	0.0	0.1	0.0	0.0	0.0
Deposit Glass Containers*	0.0	0.0	0.0	0.0	0.0	0.0
Non-Deposit Glass Containers*	0.0	0.4	0.0	0.0	0.5	0.0
Glass Fragments*	0.0	0.0	0.0	0.0	0.0	0.0
Other Glass	0.0	0.0	0.0	0.0	0.0	0.0
Ferrous Containers*	0.0	0.0	0.0	0.0	0.0	0.0
Ferrous Furniture	0.0	0.0	0.0	0.0	0.0	0.0
Ferrous White Goods	0.0	0.0	0.0	0.0	0.0	0.0
Other Ferrous	0.0	0.0	0.0	0.0	0.0	0.0
Deposit Aluminum Containers*	0.0	0.0	0.0	0.0	0.0	0.0
Non-Deposit Aluminum Containers*	0.0	0.0	0.0	0.0	0.0	0.0
Aluminum Foil*	0.0	0.0	0.0	0.0	0.0	0.0
Aluminum Furniture	0.0	0.0	0.0	0.0	0.0	0.0
Aluminum White Goods	0.0	0.0	0.0	0.0	0.0	0.0
Other Aluminum	0.0	0.0	0.0	0.0	0.0	0.0
Non-Ferrous Furniture	0.0	0.0	0.0	0.0	0.0	0.0
Non-Ferrous White Goods	0.0	0.0	0.0	0.0	0.0	0.0
Other Non-Ferrous Metal	0.0	0.0	0.0	0.0	0.0	0.0
Deposit #1 Bottles*	0.0	0.3	0.0	0.5	0.8	0.0
Non-Deposit #1 Bottles/Jars*	0.0	11.1	0.0	9.2	17.9	0.0
Clamshells/Containers #1*	0.0	2.7	0.0	6.1	6.3	0.0
Containers #2 Colored*	0.0	3.8	0.0	7.0	9.8	0.0
Containers #2 Natural*	0.0	7.0	0.0	8.3	4.5	0.0
Containers #3-7 (Not #5)*	0.0	3.2	0.0	1.1	0.4	0.0
Containers #5*	0.0	4.1	0.0	3.5	4.6	0.0
Other Unnumbered						
Containers/Lids/Fragments*	0.0	0.2	0.0	0.1	0.3	0.0
Black Plastic Containers	0.0	4.3	0.0	0.6	2.3	0.0
Plastic Furniture	0.0	3.6	0.0	0.0	0.0	0.0
Other Rigid/Bulky Plastics	0.0	17.4	0.0	0.0	5.9	0.0
Retail Plastic Bags	0.0	0.0	0.0	0.0	0.0	0.0
Garbage Bags	0.0	0.3	0.0	0.0	0.1	0.0
Other Plastic Film	0.0	0.0	0.0	0.0	0.1	0.0
Other Plastics	0.0	3.0	0.0	0.9	2.1	0.0

Sampling Date Sample Origin	5/13/25	5/13/25	5/14/25	5/14/25	5/15/25	5/15/25
	Warrensburg TS Mixed Paper Recyclables	Warrensburg TS Plastics Recyclables	Queensbury TS Mixed Paper Recyclables	Queensbury TS Plastics Recyclables	Lake George TS Plastics Recyclables	Lake George TS Mixed Paper Recyclables
Specific Waste Category	Weight (lbs)	Weight (lbs)	Weight (lbs)	Weight (lbs)	Weight (lbs)	Weight (lbs)
Rubber & Leather	0.0	0.0	0.0	0.0	0.3	0.0
Tires	0.0	0.0	0.0	0.0	0.0	0.0
Clothing	0.0	0.0	0.0	0.0	0.0	0.0
Carpet	0.0	0.0	0.0	0.0	0.0	0.0
Carpet Padding	0.0	0.0	0.0	0.0	0.0	0.0
Artificial Turf	0.0	0.0	0.0	0.0	0.0	0.0
Upholstered Furniture	0.0	0.0	0.0	0.0	0.0	0.0
Other Textiles	0.0	0.0	0.0	0.0	0.0	0.0
Wood	0.0	0.0	0.0	0.0	0.0	0.0
Wooden Furniture	0.0	0.0	0.0	0.0	0.0	0.0
Food^	0.0	0.0	0.0	0.0	1.2	0.0
Yard Waste^	0.0	0.0	0.0	0.0	0.0	0.0
Other Organics	0.0	0.0	0.0	0.0	3.5	0.0
Ceramics	0.0	0.0	0.0	0.0	0.0	0.0
Do-It-Yourself Construction & Demolition						
Debris	0.0	0.0	0.0	0.0	0.0	0.0
Other Inorganics	0.0	0.0	0.0	0.0	0.0	0.0
Electronic-Containing Waste	0.0	0.0	0.0	0.0	0.0	0.0
Rechargeable Batteries	0.0	0.0	0.0	0.0	0.0	0.0
Non-Rechargeable Batteries	0.0	0.0	0.0	0.0	0.0	0.0
Household Hazardous Waste	0.0	0.0	0.0	0.0	2.9	0.0
Paint	0.0	0.0	0.0	0.0	0.0	0.0
Regulated Medical Waste	0.0	0.0	0.0	0.0	0.0	0.0
Fines	0.0	0.0	0.0	0.0	0.0	0.0
Sum	127.1	61.4	164.7	37.3	63.6	107.4

Specific Waste Category
 * = recyclables
 ^ = compostables

A-3. Warren County 2025 Sampling Workplan

Warrensburg Transfer Station

4 Dump Rd, Warrensburg, NY 12885

Queensbury (Luzerne Road) Transfer Station

64 Luzerne Rd, Queensbury, NY 12804

Lake George Transfer Station

56 Transfer Rd, Lake George, NY 12845

2025 MSW-Recyclables Sampling

Dates: Tu-Th, May 13-15

The Transfer Stations (TS) at Warren County collect the residential drop-off garbage and recyclables. There are 12 TSs at Warren County receiving approximately 10% of the County’s waste. The rest of the waste goes to Casella, WM, and ACE. TSs are operated and maintained by their respective Towns. TSs of Warrensburg, Queensbury (Luzerne Road), and Lake George are the bigger TSs at Warren County. The Warrensburg TS is the only facility with a scale. The Queensbury site is the smallest among the three, but it is in the highest population area. The Town of Queensbury operates two solid waste transfer stations for residents in the Town of Queensbury and the City of Glens Falls. The Lake George facility is the only site that accepts C&D.

The towns do not pick up household trash. Curbside trash service is provided by permitted private haulers. Residents and registered town businesses can also use the TSs. Residents can bring their trash and other materials to the TSs for disposal or recycling. The Towns have a list of mandatory recycling items, recycling/collection days, voluntary recycling and ways to donate many types of reusable items. The Towns provide an attendant at the TS to help guide the residents to good recycling decisions. The Warrensburg TS is open T-Sun 8:00am – 4:30pm, the Queensbury (Luzerne Road) TS is open Wed, Fr, and Sat 7:45am – 3:30pm, and the Lake George TS is open Tu-Sat 8:00am – 4:15pm.

The goal of sampling is to characterize drop-off MSW and recyclables and also to characterize waste streams from different communities. The sampling program will cover received MSW and recyclables from a community as one stream, identifying sources as is possible. The target is to go through about 9 samples, 2 residential drop-off MSW and 1 sample of single-stream recyclables each day at each TS.

Key contacts: Scott Royael (royaels@WarrenCountyNY.gov), 518-301-1936

Sampling Team: Griffin Walker, Hailey Lee, Ali Mayeli, Ashpreet Kaur.

Schedule (Tentative):

M 5/12	T 5/13	W 5/14	Th 5/15	F 5/16
	Warrensburg TS 4. MSW 5. MSW 6. Recyclables	Queensbury (Luzerne Road) TS 4. MSW 5. MSW 6. Recyclables	Lake George TS 4. MSW 5. MSW 6. Recyclables	

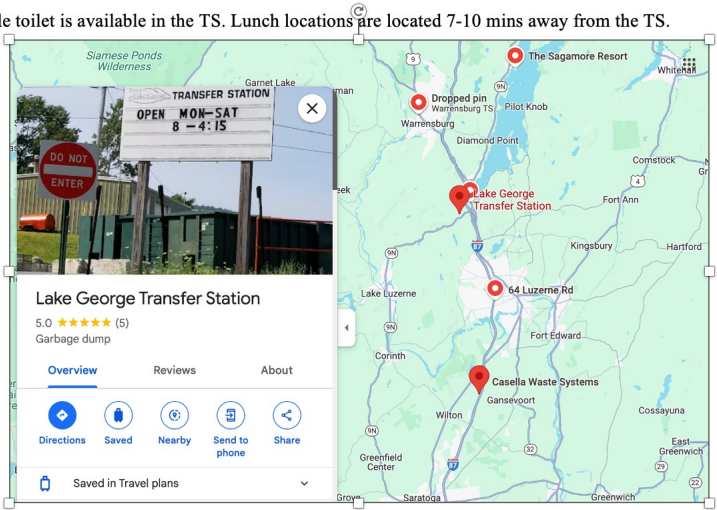
Procedure:

The team with two trucks & supplies will travel to lodgings in Lake George 5/12 Monday afternoon (approx. 5-6 hrs from SBU). Arrive on site approximately 8 am each day, set up as directed by Scott Royael. A mixture of residential drop-off samples is the target. Work with Scott Royael and the operator/attendant. Target size of MSW samples is 200-250 lbs. Target size of recyclable samples is 200-250 lbs. Sort three samples per day.

Traffic is not heavy at the TS but always be aware; vehicles are large and usually are not concerned about pedestrians.

Aim to finish at lunch time Thursday. Lunch in Town of Lake George or on the road. Swap drivers. Do not drive when tired.

A portable toilet is available in the TS. Lunch locations are located 7-10 mins away from the TS.



Warrensburg Transfer Station

4 Dump Rd, Warrensburg, NY 12885

Queensbury (Luzerne Road) Transfer Station

64 Luzerne Rd, Queensbury, NY 12804

Lake George Transfer Station

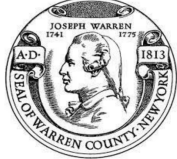
56 Transfer Rd, Lake George, NY 12845

A-4. Warren County Recycling Guide

Transfer Stations Bolton Landing (518)-644-2973 107 Finkle Rd, Bolton Landing Chestertown (518) 494-3952 62 Landon Hill Rd, Chestertown Glens Falls/Queensbury (518) 745-4478 64 Luzerne Rd, Queensbury Hague (518)-543-6673 Valley View Rd, Hague Horicon (518)-494-7906 Landfill Rd, Brant Lake Johnsburg (518) 251-2742 Ski Bowl Rd, North Creek Lake George (518) 668-2963 56 Transfer Rd, Lake George
--

Transfer Stations Lake Luzerne (518) 696-2105 123 Towner Rd, Lake Luzern Queensbury (518) 745-4479 1396 Ridge Rd, Queensbury Stoney Creek 518-696-5602 20 Hill Road Thurman (518) 623-2831 Erving Baker Rd, Thurman Warrensburg (518) 623-3096 4 Dump Rd, Warrensburg

**Warren County
Solid Waste
&
Recycling**



Warren County is committed to recycling to ensure resources are recovered from our waste stream.

**Solid Waste & Recycling
Compliance Coordinator**

Phone: 518-824-8839

Email:
tszabo@warrencountypw.com



Many different items can be recycled but most items must be properly cleaned and sometimes separated to be recycled. It is important to make sure you are familiar with your recycling guidelines so you can avoid contaminating loads of recyclables. By avoiding contamination you can ensure that recycling remains successful and continues to be a growing industry.

Do's of Recycling

- Properly identify the material to be sure it's accepted
- Rinse out all containers
- Break down cardboard
- Put bottle caps back on bottles
- Separate plastic film & bags to be recycled at the grocery store
- Contact your waste hauler or transfer station with any questions
- When in doubt, throw it out

Don'ts of Recycling

- Bag recycling
- Put containers with liquid/food in the recycling
- Put items like rope or cords that can tangle recycling equipment in recycling
- Add grass clippings or other organic waste that should be composted
- Put batteries, electronics or anything that may be hazardous in single stream recycling

Thomas Szabo, Recycling Compliance Coordinator (518) 824-8839

Recycling

- Each Waste Hauler or Transfer Station may accept different items in their recycling systems.
- Items composed of more than 1 material (excluding product labels) are unlikely to be recyclable.
- All recyclables should be clean and dry.
- Large pieces of metal, electronics, and clothing are not allowed in single stream recycling



Donating

Donating items is a great way to keep items out of the landfill. Our County has many consignment shops and clothing drop off bins located throughout. Finding a new home for your unneeded items isn't always easy but planning ahead of spring cleaning can save you money on disposal costs and benefit the community. Even if your old clothes can't be donated they can be recycled into new fabrics for things like dog beds.

Reuse

Reusing items for a different purpose or simply switching to a reusable coffee mug can help reduce waste. Reuse can come in many forms but if you've stopped using single use items, repurposing unwanted items could be your next step in reducing waste.

Popularly repurposed items:
 Jeans- Jean shorts
 Jar- cup or pencil holder
 Scrap lumber- small shelf /bird house
 Flower pots- start next years garden
 Coffee Can- Scooping ice melt

Composting

Composting your food scraps can be a big change to under take. Starting small by composting on holiday events can be a manageable way to start diverting food scraps away from the landfill. The DEC and other organizations have detailed information on how to get started composting in your back yard.

Household Hazardous Waste

A house hold hazardous waste collection event is held once a year by the County. This event targets the collection of very hard to dispose of materials like cleaning supplies and other harmful chemicals that do not have alternate disposal options. You may need to contact DEC or a certified professional to handle your waste if the event does not accept it.

Common Items not accepted: Asbestos, Latex Paint, Gasoline, Batteries, Electronics, Motor Oil, and Pharmaceuticals

A-5. Pictures from the Sampling Event

