

Residential Curbside Waste Audit For North Glengarry

WDO Project # OPT-R1-05

Submitted to:



Submitted By:
Township of North Glengarry
Alexandria, Ontario
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Introduction

This project was designed to educate the public on the importance of waste diversion in North Glengarry. The blue box program was introduced to North Glengarry in the fall of 1990. Since its inception, the recycling program, with the help of R.A.R.E., has been on a steady increase. New markets from recyclable materials are continuously emerging. New products and packaging made from recyclables are rapidly increasing to accommodate a forever changing society.

However the fact remains that our landfills are becoming an increasingly dangerous problem in terms of size and environmental hazards. Proper decomposition of waste material and potential leakage of toxic leachate into nearby water supplies has preoccupied society's consciousness. The Residential Curbside Waste Audit for North Glengarry is an attempt to determine the current waste management situation and to assess the community's suggestions and opinions on waste management in North Glengarry.

Purpose Of The Study

From July 12 until August 2nd of 2000, a waste audit was conducted in North Glengarry. The purpose of the study was twofold. First, it was hoped that by conducting a waste audit in the area, it would be possible to determine the residential waste generation and composition by material type (e.g. newspaper, food waste, glass containers). From this information, it would be possible to determine what types of materials are being discarded.

The second purpose of the waste audit was to establish recovery rates for blue box

materials. Having this information, it is possible to determine the amount of recoverable materials that are being sent to the landfills. With the projected lifespan of the landfills being 10 years, it is important to divert as much waste as possible into the recycling program.

Length of Study

In an effort to develop a reliable and consistent information database, the sample material was collected over a continuous four-week period. Due to the aberrations that may arise with regards to waste generation over holidays, it was important to conduct the study over a normal four-week period. For this reason, the waste audit was conducted from July 11 to August 2nd of the year 2000. Since this period of study occurred during the peak summer months, it is important to note that the figures for yard waste would be significantly higher than they would be at other times of the year.

Study Area and Household Selection

The study area included single-family houses that are generally representative of the housing in North Glengarry. The selected houses were located consecutively and, for the most part, on the same side of the street in order to make collection easier and to help ensure that the same houses are collected from each time and that no waste is missed. In order to provide a proper representation of the surrounding area, 30 households were selected on each of Tuesday and Wednesday. Due to the large number of rural houses in North Glengarry, it was deemed important to conduct two separate audits. On every Tuesday for 4 consecutive weeks, 16 houses were selected on the Glen Robertson road.

In addition, the waste was collected from 15 houses on the McCormick Road. It was felt that these 30 houses provided a true representation of the residences in rural North Glengarry.

In addition to the audit conducted on the four Tuesdays, an identical waste audit was conducted on Wednesdays for 4 consecutive weeks in the town of Alexandria. This garbage and recycling was collected for all of Macdonald Blvd. This street was selected due to its close proximity to the recycling plant and its true representation of the residences in Alexandria.

Sorting of Waste Materials

In order to properly conduct the waste audit, one must sort the waste, including the recyclables, into seven broad categories. These seven groupings were then further divided into 57 different categories. As the containers were filled, the weight was obtained and after subtracting the weight of the empty blue box the final weight was recorded.

Conclusions for Waste Audit Results

After having completed a detailed analysis of the waste audit statistics for both rural and urban regions of North Glengarry, one is left with many striking conclusions. Consequently, it is both easier and more revealing to examine the results for each individual week.

Glen Robertson And McCormick Roads

Due to the large number of rural residences in North Glengarry it was deemed necessary to conduct a waste audit for both urban and rural areas. By keeping the results

separate it was hoped that it would enable us to identify problem areas with regards to the blue box program and the average amount of waste generated per household. As one can see from exhibits twelve and thirteen, our assumptions were correct. Although the average number of recyclable containers is relatively identical, the urban area in North Glengarry generates an extra garbage bag per household per week. Although this does not appear to be significant, with nearly one thousand six hundred residences in Alexandria, an extra bag per week per household will have a detrimental affect on the life of a landfill.

Although it is important to be aware of the big picture, it is equally important to understand the excruciating minutiae of waste management. Consequently, it is beneficial to scrutinize the weekly results of the waste audit in order to discover any aberrations between rural and urban regions. Exhibits one through five pertain to rural North Glengarry. While it was generally believed that rural communities generated less waste than urban centres, a close analysis of exhibit one would tend to render that view erroneous. However such an assumption is incorrect.

First, the blue box recovery rate for metals is low enough to be a cause for concern. However, upon closer examination, one notices that the total for the category of other metals is uncharacteristically high. This is due to an unusually large metal product that was included in that week's garbage, thus significantly reducing the recovery rate for metals.

Although not as prevalent in waste as other metal products, aerosol cans do constitute a significant cause for trepidation. Despite the fact that aerosol cans are recyclable, there existed an astonishingly low blue box recovery rate as evidenced in

exhibit two. After performing the audit for four weeks, it has become evident that few people are aware that aerosol cans are recyclable. Consequently, it would be beneficial to all if the public were made aware of the opportunity to recycle aerosol cans.

When one examines the data in exhibit three, the most astonishing fact is the overall blue box recovery rate for paper fibres, which is much lower than in previous weeks. This undersized percentage can be attributed to the low recovery rate for magazines and boxboard.

Exhibit five is the final totals for Glen Robertson and McCormick Rd. Due to the finality of the results, one's attention is immediately drawn to the concluding totals, specifically the Blue Box recovery rate. Following the complex calculations, one realizes that 33% of all waste generated in rural North Glengarry is recovered in the Blue Box program. Inversely, this means that 67% of all waste is destined for the landfills. When one considers the sheer number of people in North Glengarry coupled with the finite space of the landfills, these numbers fall far from the ideal situation.

MacDonald Blvd.

Just as in rural North Glengarry, it was important to analyze the results on a weekly basis. After doing so, it became evident that the blue box recovery rate for Macdonald Blvd., was significantly lower than that of Glen Robertson and McCormick Roads. There are many reasons that can account for this disparity. Although certainly not the only cause, one reason for this discrepancy can be seen in exhibit six. During the first week of the waste audit on MacDonald Blvd., due to circumstances beyond our control, the recycling products at several houses were not collected. Consequently, all numbers

pertaining to blue box rates in exhibit six are extremely low.

After conducting the waste audit for a four-week period it has become obvious to all concerned that the bulk of household waste consists of compostable material. Of the two areas audited, Macdonald Blvd. proved to be the most apathetic in regards to composting. Perhaps the most alarming detail concerning composting can be found in exhibit nine; specifically the amount of grass that was destined for the landfill. Grass clippings totaled 57.6 kg, or 12.7% of the total waste generation for Macdonald Blvd. during the first week of August. If one were to consider the need of oxygen for decomposition of organic material and the finite amount of space in the landfill, the amount of grass clippings must be reduced to prolong the life of landfills.

North Glengarry

After tabulating the results in exhibit eleven, it was determined that a large portion of recyclables is discarded in waste. If one were to consider the value of the recyclables destined for the landfills, one would come to an astonishing conclusion; that the value of recyclables sent to the landfills is \$53 833.72. In other words, mixed paper, aluminum cans, and HDPE bottles (#2 plastics) account for \$29 297.13 or 54% of total wasted revenue. Not only is this bad for the environment but it is also a waste of valuable resources. These funds could be utilized to either reduce taxes or provide additional community programs.

In addition to the recyclables that are destined for the landfills, 52% of all waste generated in North Glengarry is compostable material, as seen in exhibit seventeen. This

value increases if one were to examine the urban region of North Glengarry where 58% of total waste generation is compostable material. If one were to achieve the optimal goal of waste reduction, according to the statistics, 67% of the waste currently destined for the landfills would be diverted. This diversion would have an astounding affect on the life of local landfills. Instead of the current life expectancy being ten years the landfills could be expected to last 31 years.

Due to the significant funding that R.A.R.E. receives from the LCBO it is also important to note the blue box recovery rate of those products. If one were to look at exhibit twenty-two, one would see that 59% of all glass from the recycling program is LCBO products. In addition, 93% of all LCBO products in waste are recovered.

North Glengarry Recycling Awareness Survey Project

Intro

We live in a highly commercialized world, which each day generates vast quantities of refuse, most of which is destined for landfills. Unfortunately much of this material is recyclable, a quandary which must be addressed. This problem is eminent, and we must regard it as being a major factor which influences our everyday lives. Despite the fact that the human life span is measured in decades, the irrevocable damage to the landfills can have a detrimental affect on future generations. It is only by educating the public about this problem that we can reach our goal of diverting maximum waste from the landfills. The North Glengarry Recycling Awareness Project was designed for the sole purpose of reaching this goal. It is by identifying your situations, opinions, and thoughts about our waste management system that this group will propose suggestions to ameliorate this situation.

The growing amount of waste is due to the ignorance of our community. Therefore this report will explore the unforgiving reality of our problem. Considering that all the suggestions that we will make touches every member in this group, every possible solution will not be taken lightly and will be studied in-depth. Our research being based on the survey done in July and August 2000, will also be accompanied by many suggestions, as mentioned earlier, that will be carefully examined and that the large majority of the group will agree upon. In the following pages, we will explain our points of view concerning the garbage services, the recycling program, and the composting.

Survey Analysis

In order to properly consider all the surveys that were answered, it was deemed important to analyze each region separately. By doing so, it was hoped that we could tailor proposals to each area. Despite this specialized analysis, it is also vital to make sweeping conclusions due to the close proximity of the regions considered.

Lochiel

One of the most significant results, after surveying Lochiel, is the clear negativity with respect to clear plastic bags. It is generally believed that the use of clear plastic bags would significantly improve the blue box recovery rate of recyclable products. The general principle behind the proposal is that if, at the time of garbage pickup, recyclables are visible in the garbage bags, these bags will not be collected. Even though we found it to be an affective concept in theory, we voted with majority. This decision was based upon the assumption that people would just rebel against it by throwing their garbage in ditches and side roads or even burn their waste in open fields and vacant lots. Although if caught the residents may be fined up to \$1000.

Despite the existence of a current bag limit, we do not support it. We feel that the size of the family and the presence of a home-based business should be taken into account when considering a bag limit.

Despite the overwhelming majority of people whom are against the user pay program, we have decided that imposing it with certain modifications would be most advantageous. At the start of the year each family will pay the same flat rate but will be designated different color tags based on the number of citizens living in each household. Larger families will be allotted more tags as well as home-based business.

Garbage collection every second week in winter may have a positive outcome since more than half of the residents were in accordance with this preposition. Waste would preserve because of the climatic situation during the winter. Therefore waste could be

collected every second week, without complaint, and taxes would be lowered.

Maxville

Although there isn't a large demand in Maxville for other recyclables to be introduced into the recycling program, we devised a plan to satisfy both the majority and minority opinions. We could transport other plastics as well as milk cartons, frozen juice cans, and HHW containers to Cornwall to be recycled and receive a small portion of the profit to cover delivery expenses. If and when this program develops increasing participation from the public, R.A.R.E. would be able to start a market for these products in Alexandria insuring more revenue and recyclable products.

Although blue box collection every second week would reduce taxes, the majority of Maxville residences were opposed to this proposal. Therefore this idea would not be imposed based on the assumption that residents would recycle less. Though if an additional blue box would be supplied our decision may change.

We feel that a clear plastic bag for garbage is an intelligent concept to reduce recyclables being sent to landfill, as does the majority of Maxville. Despite this overwhelming majority we have voted against the use of clear plastic bags. The idea behind this concept is to identify recyclables in the residents' garbage bags and to leave behind bags where recyclables were spotted. We are presuming that most the residents who were in favour were not aware of the impetus for such a program, thus would become frustrated when the waste is not collected. Area residents would dispose of their garbage in other ways, polluting the surrounding ditches and side roads.

We found that the majority of Maxville residence favored the yes response for garbage collection every second week in the winter. We strongly feel that this should not be implemented in Maxville for lack of storage. There is also the advantage of the roads being cleared routinely through town.

Even though the majority of Maxville was in favor of the two bags per week limit,

we feel it is not fair to large families and small businesses. This small minority should not be excluded.

We support a user pay program that will take into account the size and different situation of each household. Each family will pay a fixed price at the beginning of the year for a certain number of tags. The tags will be distributed considering the size of the family and the existence of a small business or not.

On discussing the matter of Household Hazardous Waste we arrived to the agreement that the HHW should be dealt with more caution. To bring more convenience to the township of North Glengarry, the HHW drop-off/re-use site will be twice a year for free. This, we hope, will enable those with busy schedules to bring their HHW to the plant.

In studies we found that 53% of garbage was actually compostable. In order to reduce this percentage of compostable waste we decided that it would be beneficial to create a compost collection that would be run and managed at another location.

Alexandria

Dealing with the issue of clear plastic bags, the majority edged out the yes vote by a slight margin. As we mentioned in the report for Lochiel and Maxville we believe, for the same reasons, that the implementing of this concept would not result in any positive outcomes; rather would deter the residents from putting out their garbage at all and dispose it by burning or dumping it in fields or ditches.

Taking into consideration that the public was not in favour of having garbage collection every second week in the winter, it will not be enforced for the same reasoning as Maxville.

Even though the majority of people that were aware of the garbage bag limit did support it, we find that it is not in the best interest of a household with more than the average family because they are most likely to have more garbage bags.

We are in favour of a user pay program for the residents of Alexandria. Despite an overwhelming percentage of negative responses for this program, we think such a program would be a necessity to reduce the amount of garbage going to the landfill. It would also promote recycling as well as composting.

We agree with the majority of surveys that revealed that the scavenging by-law is efficient and prevents intruders from creating a mess. Although a few Alexandria residents had this problem most of them are satisfied that this law is applied.

It is strongly suggested that composting becomes more of a daily routine all year long. More advertisement would have to be done. Another alternative would be to have a compost center for the Alexandria residents and the surrounding area.

Sources of Error for Surveys

- 1) One of the most obvious sources of error is the fact that we surveyed during working hours. Therefore the majority of residents surveyed happened to be unemployed, senior citizens or those on holiday. Thus we received the opinions and views from people within these categories as opposed to the working class.
- 2) Because our work was not conducted with computers, we must allow for human error.
- 3) The "pickups" did not have any explanation with the questions and misinterpretation may have occurred.
- 4) We did not survey 100% of the North Glengarry. By surveying the rest of the population, another approximate 60% of residents, we could have easily changed or varied our final results.
- 5) Some surveys had not been answered by the owners so the answers might have varied.

Final Conclusion

In our quest to analyze our waste management system, we have concluded that the public's opinions are generally not directed towards their concern for the environment but rather towards saving time and money. Therefore, it is a fact that to reduce our waste load we have to implement laws that do not always reflect the general public's opinions. Our quest should be to educate the public about the advantages there are in recycling, composting and the new programs suggested. In order to have a lasting impact on the population and change their points of view on the current situation an awareness campaign should be the first step we take to reach our main goal, which is to reduce the amount of materials going to the landfill.

In the meantime, the population is getting larger and the amount of garbage we put out is not getting smaller; therefore the environment is suffering the consequences, which are the results of our lack of knowledge and caring in this field.

"Canadians produce more garbage per person than just about any other country in the world. In Ontario, we throw out enough garbage to fill up the SkyDome in Toronto to twice the height of the CN Tower."¹

Your Seven Day Waste Reduction Diary, Environment Canada, 1992.

At this rate, how many decent years can we squeeze out of the environment before the planet disintegrates because of pollution?

In order to keep our world's environment stable and everlasting we must assume our responsibilities. It is by taking them into high consideration that we will eventually reduce the effects and possibly someday stop the process that pollution has on the environment. It is a fact that reaching this goal will be a big challenge and that it will prove itself to be difficult and frustrating at times. However, it is by keeping our main goal in mind and with everyone's contribution that we will eventually succeed.

¹ Environment Canada, Your Seven Day Waste Reduction Diary, 1992.

Reduce, Reuse, Recycle are three key words that all citizens should know and commit to. Even though most citizens know these three key words some do not apply them in their everyday lives. It is only by introducing the real meaning of those highly important words and changing the views and perceptions of the public that those concepts can be integrated into the public's everyday routines. Things must be modified because there is only a certain amount of space for landfills and the garbage is rampantly growing.

The citizens' perceptions of landfills must change. Most people take advantage of the landfill privileges and send all of their disposable materials including recyclables and compostables there. The landfills should be viewed as an alternative, not a quick and easy way to dispose of all materials. It should be considered last on their lists, making the recycling, the composting and the household hazardous waste depots a priority. Once this becomes a shared point of view, the landfills longevity would triple.

In conclusion, only we can make a difference. It is with personal and professional efforts that we can reach our goals. We hold the key to the comfort of future generations in our hands; we must consider tomorrow's children before anything else. Therefore, changing our habits to reduce waste and our point of views on the current situation are an eminent goal that we must reach. We only have one chance at this so we must choose the right path, for we hold the future in our two capable hands.

News Release

"Canadians produce more garbage per person than just about any other country in the world. In Ontario, we throw out enough garbage to fill up the Sky Dome in Toronto to twice the height of the CN Tower."

Pretty incredible huh? It seems as though North Glengarry is no exception. So do we have your attention yet? Well now that we do we'd like to take a couple minutes of your time, if you're interested, to explain a few things. We are a group of seven students hired by RARE (Recyclage Alexandria Recycling Equipe) as a part of a seven week North Glengarry recycling awareness project. For the first four weeks half the students conducted a waste audit every Tuesday and Wednesday. This consisted of collecting garbage from 30 houses in Alexandria and 30 from Locheil, sorting through it and splitting it into 57 different categories. The purpose of this project was to determine blue box recovery rates and compare rural and urban waste and recycling habits. The rest of us circulated through Maxville, Locheil, and Alexandria conducting door-to-door surveys to assess the opinions and views of area residents on our waste management system.

At first we were just a bunch of students looking for an easy summer job. We thought knock on a couple doors, fill out some surveys, and make some money. No problem. Yet as the project progressed and we had the opportunity to speak with the public and tabulate the results of the waste audit, we were appalled to witness the lack of knowledge on recycling and the extreme apathy for the preservation and longevity of our crowded landfills. We're writing this article in attempts to educate the community of the severe need for waste diversion.

While conducting the waste audit the group found an overwhelming amount of recyclables and biodegradable material being sent to the landfills. A shocking 74 per cent of Alexandria's waste can actually be recycled or composted in comparison to 57 per cent of Lochiel's waste. All in all only 33 per cent of North Glengarry's garbage should in actuality be disposed of while the other 67 per cent consists of 14 per cent recyclables and a staggering 53 per cent compostables. If we can eliminate the 67 per cent of waste that is expendable we would triple the life span of the landfill from 10 years to 31 years.

Obviously conducting the surveys in person we are aware that there is a number of you who are very conscious of recycling and do your part for the environment. Although the large majority of you take for granted the fact that the garbage is collected each week and you don't have to deal with it. Judging by the results of the survey most of your opinions and concerns have nothing to do with the well-being of the environment or the security of the future generations rather are pertaining to saving time and money. The irony of it is that we carelessly throw away \$26, 935.80 into the garbage each year. That is the amount of recyclables being tossed into the garbage annually. Also with the landfills becoming rampantly overwhelmed with unnecessary waste, it won't just be a matter of collecting the garbage. The question is how much more can our landfills hold before the problem starts leaking into our households and disrupting our carefree, oblivious daily lives. Once the landfills are full it is going to cost tens of thousands of taxpayer's dollars to ship the waste elsewhere. In the long run it will be your ever-precious need to save time and money that will send your taxes through the roof.

Waste management should and must become an ever-present concern weighing on all our minds. Especially when the health and stability of ourselves and the world around us is in serious question. It is proven that children of this generation have increasing medical problems and are more prone to illness because of pollution. If not for yourselves, are your children not a good enough reason to change?

We currently completed the project and sent the results along with our report to the environmental committee and the ministry of environment in order to be reviewed. We greatly appreciated every ones participation and hope that we did make a difference.

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Exhibit for North Glengarry Recycling Awareness Project

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Waste Audit Results Table: Exhibit #1

Municipality: Week 1: Region of North Glengarry (Glen Robertson & McCormick Rd)

Number of households: **30**

Waste collection streams	Blue Box	Organics	Garbage	Generation			Recovery
	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kilograms per hhd per year	Blue Box Rate (%)

1. PAPER FIBRES								
Newspaper	ONP, inserts	39.3		3.2	42.5	10.2	74	92%
Magazines	OMG	22.8		2.3	25.0	6.0	43	91%
Phone Books	OTB	0.0		0.0	0.0	0.0	0	0%
Cardboard	OCC	6.6		1.8	8.4	2.0	15	79%
Boxboard/Rolls	OBB	9.5		8.3	17.8	4.3	31	53%
Mixed Papers	junk mail, fine household papers	5.4		3.0	8.3	2.0	14	65%
Molded Pulp	egg cartons, drink trays	0.0		1.2	1.2	0.3	2	3%
Books	hard and soft cover	0.0		0.0	0.0	0.0	0	0%
Kraft Paper	paper bags	1.0		2.7	3.7	0.9	6	27%
Spiral Wound	frozen juice, pringles type packaging	0.0		1.3	1.3	0.3	2	0%
Tissue/Toweling	tissues, napkins, paper towels	0.0		9.4	9.4	2.3	16	0%
Other Paper	multi-layered, waxed, wrapping, fast food	0.6		0.8	1.4	0.3	2	40%
Gable Top Cartons	milk, juice	0.1		2.1	2.1	0.5	4	4%
Aseptic Containers	tetra type packaging	0.0		0.0	0.0	0.0	0	0%
<i>Sub-total Paper Fibres</i>		85.2	0.0	36.0	121.2	29.1	210	70%

2. PLASTICS								
PETE Soft Drink	# 1 soft drink	2.8		0.9	3.7	0.9	6	75%
LCBO containers	alcoholic beverage containers	0.1		0.0	0.1	0.0	0	100%
PETE Other	water, juice, food, dish soap, trays	0.0		0.2	0.2	0.0	0	0%
HDPE bottles	# 2	1.7		1.9	3.6	0.9	6	48%
PVC	# 3, bottles, packaging	0.2		0.0	0.2	0.1	0	100%
LDPE & PP Bottles	# 4 and # 5, squeezable	0.4		0.8	1.1	0.3	2	32%
PS	# 6, trays, cups, packaging	0.1		2.1	2.2	0.5	4	5%
Recyclable Film	shopping bags, milk pouches,	0.5		5.2	5.7	1.4	10	8%
Non-Recyclable Film	garbage bags, chip bags, shrink wrap	0.0		7.6	7.6	1.8	13	0%
Wide Mouth Tubs & Lids	# 2, 4, 5 & 6	0.2		2.8	3.0	0.7	5	7%
Other Containers	# 7, trays, bottles, unmarked plastics	0.1		0.0	0.1	0.0	0	100%
Other Plastics	non-pkg, garden hose, VCR tape, toys	0.0		8.4	8.4	2.0	15	0%
<i>Sub-total Plastics</i>		6.0	0.0	29.9	35.9	8.6	62	17%

3. METALS								
Aluminum Cans	food & beverage cans	3.0		0.6	3.6	0.9	6	84%
Aluminum Foil Trays	pie plates, etc	0.0		0.1	0.1	0.0	0	0%
Steel Cans	food & beverage cans	6.5		1.1	7.6	1.8	13	85%
Aerosol Cans	empty	0.0		1.1	1.1	0.3	2	0%
Paint Cans	empty	0.0		0.0	0.0	0.0	0	0%
Other Metal	scrap metal, other containers, bikes	0.0		10.5	10.5	2.5	18	0%
<i>Sub-total Metals</i>		9.5	0.0	13.4	22.8	5.5	40	41%

Waste Audit Results Table: Exhibit #1

Municipality: Week 1: Region of North Glengarry (Glen Robertson & McCormick Rd)

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Waste collection streams	Blue Box	Organics	Garbage	Generation			Blue Box
Waste sort categories and descriptions	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kg. per hhld per year	Recovery Rate Percent

4. GLASS								
LCBO Clear	clear glass alcoholic beverages	8.4		0.0	8.4	2.0	14	100%
LCBO Coloured	coloured glass alcoholic beverages	11.9		0.9	12.8	3.1	22	93%
Clear	food & beverage containers	14.8		3.1	17.9	4.3	31	83%
Coloured	food & beverage containers	7.3		0.0	7.3	1.7	13	100%
Other Glass	lightbulbs, window glass, cups, ceramics	0.0		3.9	3.9	0.9	7	0%
Sub-total Glass		42.4	0.0	7.9	50.3	12.1	87	84%

5. HOUSEHOLD SPECIAL WASTES								
Batteries	all types	0.0		0.2	0.2	0.1	0	
Paint	mostly half to full containers	0.0		0.3	0.3	0.1	1	
Motor Oil	used oil, filters	0.0		0.9	0.9	0.2	2	
Flammables	starter fluid, solvents	0.0		0.0	0.0	0.0	0	
Other HSW	sharps, drugs, acids, antifreeze	0.0		0.0	0.0	0.0	0	
Sub-total HSW		0.0	0.0	1.4	1.4	0.3	2	

6. COMPOSTABLES								
Vegetable Food Waste	vegetable and fruit peelings	0.0		97.2	97.2	23.3	168	
Animal Food Waste	meats, fats, oils	0.0		0.0	0.0	0.0	0	
Grass	grass clippings	0.0		0.0	0.0	0.0	0	
Woody Yard Waste	brush, branches, wood chips	0.0		0.0	0.0	0.0	0	
Other Yard Waste	leaves, soil, garden wastes	0.0		3.5	3.5	0.8	6	
Animal waste	feces, animal litter and bedding	0.0		4.6	4.6	1.1	8	
Wood ashes	fireplaces & wood stoves	0.0		0.0	0.0	0.0	0	
Sub-total Compostables		0.0	0.0	105.2	105.2	25.3	182	

7. OTHER WASTE MATERIALS								
Textiles	clothing, shoes	0.0		9.2	9.2	2.2	16	
Building Renovations	drywall, lumber, carpeting	0.0		2.0	2.0	0.5	3	
White Goods	large appliances	0.0		0.0	0.0	0.0	0	
Sanitary Products	diapers, napkins	0.0		55.6	55.6	13.4	96	
Electronics/Appliances	small appliances, computers, radios	0.0		0.0	0.0	0.0	0	
Rubber	tires, mats, tubing	0.0		0.1	0.1	0.0	0	
Furniture	sofas, chairs, cabinets	0.0		0.0	0.0	0.0	0	
Other	materials not classified elsewhere	0.0		12.9	12.9	3.1	22	
Sub-total Other Waste Materials		0.0	0.0	79.8	79.8	19.2	138	

Total weight in kilograms	143	0	274	417		722	
Total percentages by waste type	34%	0%	66%	100%			

Notes:

"Blue Box" refers to all recyclables collected at the curb, either in a box, bag or other container and the container can be a variety of colours

"Organics" refers to all compostables collected at the curb as either leaf & yard waste, or food and yard wastes for centralized composting

"Garbage" refers to all waste residue materials collected at the curb in bags, containers, tied, bundled for waste disposal

If a 'two' stream waste collection system is used, change the column titles as follows:

- a) Blue Box to read DRY b) Organics to read WET c) Garbage to read as a blank

Waste Audit Results Table: Exhibit #2

Municipality: Week 2: Region of North Glengarry (Glen Robertson & McCormick Rd)

Number of households: **30**

Waste collection streams	Blue Box	Organics	Garbage	Generation			Recovery
	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kilograms per hhd per year	Blue Box Rate (%)

1. PAPER FIBRES								
Newspaper	ONP, inserts	41.5		3.6	45.1	13.6	78	92%
Magazines	OMG	19.2		1.0	20.2	6.1	35	95%
Phone Books	OTB	0.0		0.0	0.0	0.0	0	0%
Cardboard	OCC	14.2		1.8	16.1	4.8	28	89%
Boxboard/Rolls	OBB	6.2		3.7	9.9	3.0	17	63%
Mixed Papers	junk mail, fine household papers	6.3		3.9	10.2	3.1	18	62%
Molded Pulp	egg cartons, drink trays	1.9		0.7	2.6	0.8	4	72%
Books	hard and soft cover	5.9		0.0	5.9	1.8	10	0%
Kraft Paper	paper bags	0.7		2.2	2.9	0.9	5	23%
Spiral Wound	frozen juice, pringles type packaging	0.0		0.9	0.9	0.3	2	0%
Tissue/Toweling	tissues, napkins, paper towels	0.0		8.6	8.6	2.6	15	0%
Other Paper	multi-layered, waxed, wrapping, fast food	0.0		1.4	1.4	0.4	2	0%
Gable Top Cartons	milk, juice	0.0		1.5	1.5	0.5	3	0%
Aseptic Containers	tetra type packaging	0.0		0.2	0.2	0.1	0	0%
<i>Sub-total Paper Fibres</i>		95.9	0.0	29.6	125.5	37.8	217	76%

2. PLASTICS								
PETE Soft Drink	# 1 soft drink	0.9		0.2	1.1	0.3	2	81%
LCBO containers	alcoholic beverage containers	0.0		0.0	0.0	0.0	0	0%
PETE Other	water, juice, food, dish soap, trays	1.9		1.6	3.5	1.1	6	54%
HDPE bottles	# 2	2.4		0.9	3.4	1.0	6	72%
PVC	# 3, bottles, packaging	0.0		0.0	0.0	0.0	0	0%
LDPE & PP Bottles	# 4 and # 5, squeezable	0.1		0.2	0.4	0.1	1	34%
PS	# 6, trays, cups, packaging	0.0		4.5	4.5	1.3	8	0%
Recyclable Film	shopping bags, milk pouches,	0.7		2.6	3.3	1.0	6	20%
Non-Recyclable Film	garbage bags, chip bags, shrink wrap	0.0		7.5	7.5	2.2	13	0%
Wide Mouth Tubs & Lids	# 2, 4, 5 & 6	1.1		0.9	1.9	0.6	3	55%
Other Containers	# 7, trays, bottles, unmarked plastics	0.0		0.0	0.0	0.0	0	0%
Other Plastics	non-pkg, garden hose, VCR tape, toys	0.1		5.3	5.4	1.6	9	2%
<i>Sub-total Plastics</i>		7.2	0.0	23.7	30.9	9.3	54	23%

3. METALS								
Aluminum Cans	food & beverage cans	2.0		0.1	2.1	0.6	4	95%
Aluminum Foil Trays	pie plates, etc	0.1		0.4	0.5	0.2	1	19%
Steel Cans	food & beverage cans	6.1		1.0	7.1	2.1	12	85%
Aerosol Cans	empty	0.0		0.7	0.7	0.2	1	0%
Paint Cans	empty	0.0		0.0	0.0	0.0	0	0%
Other Metal	scrap metal, other containers, bikes	0.0		0.1	0.1	0.0	0	0%
<i>Sub-total Metals</i>		8.2	0.0	2.4	10.5	3.2	18	77%

Waste Audit Results Table: Exhibit #2

Municipality: Week 2: Region of North Glengarry (Glen Robertson & McCormick Rd)

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Waste collection streams	Blue Box	Organics	Garbage	Generation			Blue Box	
Waste sort categories and descriptions	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kg. per hhld per year	Recovery Rate Percent	
4. GLASS								
LCBO Clear	clear glass alcoholic beverages	2.9	0.0	2.9	0.9	5	100%	
LCBO Coloured	coloured glass alcoholic beverages	6.7	0.0	6.7	2.0	12	100%	
Clear	food & beverage containers	8.4	2.7	11.1	3.3	19	76%	
Coloured	food & beverage containers	0.2	0.0	0.2	0.1	0	100%	
Other Glass	lightbulbs, window glass, cups, ceramics	0.0	1.1	1.1	0.3	2	0%	
Sub-total Glass		18.1	0.0	3.7	21.9	6.6	38	83%
5. HOUSEHOLD SPECIAL WASTES								
Batteries	all types	0.0	0.0	0.0	0.0	0		
Paint	mostly half to full containers	0.0	1.0	1.0	0.3	2		
Motor Oil	used oil, filters	0.0	0.0	0.0	0.0	0		
Flammables	starter fluid, solvents	0.0	0.0	0.0	0.0	0		
Other HSW	sharps, drugs, acids, antifreeze	0.0	0.0	0.0	0.0	0		
Sub-total HSW		0.0	0.0	1.0	1.0	0.3	2	
6. COMPOSTABLES								
Vegetable Food Waste	vegetable and fruit peelings	0.0	70.8	70.8	21.3	123		
Animal Food Waste	meats, fats, oils	0.0	4.0	4.0	1.2	7		
Grass	grass clippings	0.0	0.0	0.0	0.0	0		
Woody Yard Waste	brush, branches, wood chips	0.0	0.2	0.2	0.1	0		
Other Yard Waste	leaves, soil, garden wastes	0.0	0.5	0.5	0.1	1		
Animal waste	feces, animal litter and bedding	0.0	6.4	6.4	1.9	11		
Wood ashes	fireplaces & wood stoves	0.0	0.6	0.6	0.2	1		
Sub-total Compostables		0.0	0.0	82.4	82.4	24.8	143	
7. OTHER WASTE MATERIALS								
Textiles	clothing, shoes	0.0	6.8	6.8	2.1	12		
Building Renovations	drywall, lumber, carpeting	0.0	3.7	3.7	1.1	6		
White Goods	large appliances	0.0	0.0	0.0	0.0	0		
Sanitary Products	diapers, napkins	0.0	33.4	33.4	10.1	58		
Electronics/Appliances	small appliances, computers, radios	0.0	0.0	0.0	0.0	0		
Rubber	tires, mats, tubing	0.0	1.2	1.2	0.4	2		
Furniture	sofas, chairs, cabinets	0.0	0.0	0.0	0.0	0		
Other	materials not classified elsewhere	0.0	14.5	14.5	4.4	25		
Sub-total Other Waste Materials		0.0	0.0	59.7	59.7	18.0	103	
Total weight in kilograms		129	0	202	332	575		
Total percentages by waste type		39%	0%	61%	100%			

Notes:

"Blue Box" refers to all recyclables collected at the curb, either in a box, bag or other container and the container can be a variety of colours

"Organics" refers to all compostables collected at the curb as either leaf & yard waste, or food and yard wastes for centralized composting

"Garbage" refers to all waste residue materials collected at the curb in bags, containers, tied, bundled for waste disposal

If a 'two' stream waste collection system is used, change the column titles as follows:

a) Blue Box to read DRY

b) Organics to read WET

c) Garbage to read as a blank

Waste Audit Results Table: Exhibit #3

Municipality: Week 3: Region of North Glengarry (Glen Robertson & McCormick Rd)

Number of households: **30**

Waste collection streams	Blue Box	Organics	Garbage	Generation			Recovery
	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kilograms per hhd per year	Blue Box Rate (%)

1. PAPER FIBRES								
Newspaper	ONP, inserts	19.4		3.2	22.5	6.9	39	86%
Magazines	OMG	5.3		3.7	9.0	2.7	16	59%
Phone Books	OTB	0.0		0.0	0.0	0.0	0	0%
Cardboard	OCC	14.2		6.5	20.7	6.3	36	69%
Boxboard/Rolls	OBB	4.2		5.6	9.8	3.0	17	43%
Mixed Papers	junk mail, fine household papers	3.4		2.4	5.8	1.8	10	58%
Molded Pulp	egg cartons, drink trays	0.0		0.5	0.5	0.1	1	0%
Books	hard and soft cover	0.0		0.0	0.0	0.0	0	0%
Kraft Paper	paper bags	0.0		1.1	1.1	0.3	2	0%
Spiral Wound	frozen juice, pringles type packaging	0.1		0.8	0.9	0.3	2	15%
Tissue/Toweling	tissues, napkins, paper towels	0.0		6.6	6.6	2.0	11	0%
Other Paper	multi-layered, waxed, wrapping, fast food	0.6		5.0	5.6	1.7	10	10%
Gable Top Cartons	milk, juice	0.0		1.5	1.5	0.5	3	0%
Aseptic Containers	tetra type packaging	0.0		0.2	0.2	0.1	0	0%
<i>Sub-total Paper Fibres</i>		47.2	0.0	37.1	84.2	25.7	146	56%

2. PLASTICS								
PETE Soft Drink	# 1 soft drink	0.8		0.2	0.9	0.3	2	84%
LCBO containers	alcoholic beverage containers	0.0		0.0	0.0	0.0	0	0%
PETE Other	water, juice, food, dish soap, trays	1.5		0.5	2.1	0.6	4	74%
HDPE bottles	# 2	1.4		0.6	2.0	0.6	3	71%
PVC	# 3, bottles, packaging	0.2		0.1	0.4	0.1	1	0%
LDPE & PP Bottles	# 4 and # 5, squeezable	0.2		0.9	1.0	0.3	2	16%
PS	# 6, trays, cups, packaging	0.0		1.1	1.1	0.3	2	0%
Recyclable Film	shopping bags, milk pouches,	0.8		3.9	4.7	1.4	8	17%
Non-Recyclable Film	garbage bags, chip bags, shrink wrap	0.0		14.9	14.9	4.5	26	0%
Wide Mouth Tubs & Lids	# 2, 4, 5 & 6	0.0		1.0	1.0	0.3	2	0%
Other Containers	# 7, trays, bottles, unmarked plastics	0.0		0.0	0.0	0.0	0	0%
Other Plastics	non-pkg, garden hose, VCR tape, toys	1.1		3.6	4.7	1.4	8	23%
<i>Sub-total Plastics</i>		5.9	0.0	26.9	32.8	10.0	57	18%

3. METALS								
Aluminum Cans	food & beverage cans	1.4		0.3	1.6	0.5	3	84%
Aluminum Foil Trays	pie plates, etc	0.0		0.5	0.5	0.2	1	0%
Steel Cans	food & beverage cans	4.5		1.5	6.0	1.8	10	75%
Aerosol Cans	empty	0.0		0.9	0.9	0.3	2	0%
Paint Cans	empty	0.0		1.2	1.2	0.4	2	0%
Other Metal	scrap metal, other containers, bikes	0.0		0.6	0.6	0.2	1	0%
<i>Sub-total Metals</i>		5.8	0.0	5.1	10.9	3.3	19	53%

Waste Audit Results Table: Exhibit #3

Municipality: Week 3: Region of North Glengarry (Glen Robertson & McCormick Rd)

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Waste collection streams	Blue Box	Organics	Garbage	Generation			Blue Box
Waste sort categories and descriptions	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kg. per hhld per year	Recovery Rate Percent

4. GLASS								
LCBO Clear	clear glass alcoholic beverages	6.5		1.7	8.2	2.5	14	79%
LCBO Coloured	coloured glass alcoholic beverages	10.1		1.5	11.6	3.5	20	87%
Clear	food & beverage containers	8.1		1.5	9.6	2.9	17	84%
Coloured	food & beverage containers	0.9		0.0	0.9	0.3	2	100%
Other Glass	lightbulbs, window glass, cups, ceramics	0.0		0.0	0.0	0.0	0	0%
Sub-total Glass		25.5	0.0	4.8	30.3	9.2	52	84%

5. HOUSEHOLD SPECIAL WASTES								
Batteries	all types	0.0		0.1	0.1	0.0	0	
Paint	mostly half to full containers	0.0		0.1	0.1	0.0	0	
Motor Oil	used oil, filters	0.0		0.0	0.0	0.0	0	
Flammables	starter fluid, solvents	0.0		0.0	0.0	0.0	0	
Other HSW	sharps, drugs, acids, antifreeze	0.0		0.0	0.0	0.0	0	
Sub-total HSW		0.0	0.0	0.2	0.2	0.1	0	

6. COMPOSTABLES								
Vegetable Food Waste	vegetable and fruit peelings	0.0		98.2	98.2	29.9	170	
Animal Food Waste	meats, fats, oils	0.0		4.9	4.9	1.5	8	
Grass	grass clippings	0.0		0.0	0.0	0.0	0	
Woody Yard Waste	brush, branches, wood chips	0.0		5.0	5.0	1.5	9	
Other Yard Waste	leaves, soil, garden wastes	0.0		0.0	0.0	0.0	0	
Animal waste	feces, animal litter and bedding	0.0		9.5	9.5	2.9	16	
Wood ashes	fireplaces & wood stoves	0.0		0.0	0.0	0.0	0	
Sub-total Compostables		0.0	0.0	117.5	117.5	35.8	204	

7. OTHER WASTE MATERIALS								
Textiles	clothing, shoes	0.0		3.3	3.3	1.0	6	
Building Renovations	drywall, lumber, carpeting	0.0		0.2	0.2	0.1	0	
White Goods	large appliances	0.0		0.0	0.0	0.0	0	
Sanitary Products	diapers, napkins	0.0		35.2	35.2	10.7	61	
Electronics/Appliances	small appliances, computers, radios	0.0		1.1	1.1	0.3	2	
Rubber	tires, mats, tubing	0.0		1.2	1.2	0.4	2	
Furniture	sofas, chairs, cabinets	0.0		0.0	0.0	0.0	0	
Other	materials not classified elsewhere	0.0		11.4	11.4	3.5	20	
Sub-total Other Waste Materials		0.0	0.0	52.4	52.4	16.0	91	

Total weight in kilograms	84	0	244	328		569	
Total percentages by waste type	26%	0%	74%	100%			

Notes:

"Blue Box" refers to all recyclables collected at the curb, either in a box, bag or other container and the container can be a variety of colours

"Organics" refers to all compostables collected at the curb as either leaf & yard waste, or food and yard wastes for centralized composting

"Garbage" refers to all waste residue materials collected at the curb in bags, containers, tied, bundled for waste disposal

If a 'two' stream waste collection system is used, change the column titles as follows:

a) Blue Box to read DRY

b) Organics to read WET

c) Garbage to read as a blank

Waste Audit Results Table: Exhibit #4

Municipality: Week 4: Region of North Glengarry (Glen Robertson & McCormick Rd)

Number of households: **30**

Waste collection streams	Blue Box	Organics	Garbage	Generation			Recovery
	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kilograms per hhd per year	Blue Box Rate (%)

1. PAPER FIBRES								
Newspaper	ONP, inserts	48.0		1.3	49.3	13.5	85	97%
Magazines	OMG	11.8		0.6	12.4	3.4	21	95%
Phone Books	OTB	0.0		0.0	0.0	0.0	0	0%
Cardboard	OCC	6.5		0.8	7.2	2.0	13	89%
Boxboard/Rolls	OBB	4.8		2.9	7.7	2.1	13	63%
Mixed Papers	junk mail, fine household papers	2.1		4.3	6.4	1.7	11	33%
Molded Pulp	egg cartons, drink trays	0.3		0.7	1.0	0.3	2	28%
Books	hard and soft cover	0.0		0.0	0.0	0.0	0	0%
Kraft Paper	paper bags	4.7		1.7	6.3	1.7	11	74%
Spiral Wound	frozen juice, pringles type packaging	0.0		0.3	0.3	0.1	1	0%
Tissue/Toweling	tissues, napkins, paper towels	0.0		4.3	4.3	1.2	7	0%
Other Paper	multi-layered, waxed, wrapping, fast food	0.0		1.1	1.1	0.3	2	0%
Gable Top Cartons	milk, juice	0.0		1.1	1.1	0.3	2	0%
Aseptic Containers	tetra type packaging	0.0		0.1	0.1	0.0	0	0%
<i>Sub-total Paper Fibres</i>		78.1	0.0	19.0	97.1	26.6	168	80%

2. PLASTICS								
PETE Soft Drink	# 1 soft drink	1.4		0.1	1.5	0.4	3	93%
LCBO containers	alcoholic beverage containers	0.0		0.0	0.0	0.0	0	0%
PETE Other	water, juice, food, dish soap, trays	1.5		0.5	2.0	0.6	3	75%
HDPE bottles	# 2	1.6		0.1	1.7	0.5	3	96%
PVC	# 3, bottles, packaging	0.0		0.2	0.2	0.0	0	0%
LDPE & PP Bottles	# 4 and # 5, squeezable	0.1		0.2	0.3	0.1	1	31%
PS	# 6, trays, cups, packaging	0.2		1.3	1.5	0.4	3	13%
Recyclable Film	shopping bags, milk pouches,	0.1		1.6	1.7	0.5	3	6%
Non-Recyclable Film	garbage bags, chip bags, shrink wrap	0.0		3.6	3.6	1.0	6	0%
Wide Mouth Tubs & Lids	# 2, 4, 5 & 6	0.4		0.1	0.5	0.1	1	76%
Other Containers	# 7, trays, bottles, unmarked plastics	0.0		0.0	0.0	0.0	0	0%
Other Plastics	non-pkg, garden hose, VCR tape, toys	0.8		6.4	7.3	2.0	13	11%
<i>Sub-total Plastics</i>		6.1	0.0	14.1	20.2	5.5	35	30%

3. METALS								
Aluminum Cans	food & beverage cans	2.7		0.1	2.7	0.7	5	98%
Aluminum Foil Trays	pie plates, etc	0.0		0.0	0.0	0.0	0	0%
Steel Cans	food & beverage cans	5.2		0.7	6.0	1.6	10	88%
Aerosol Cans	empty	0.0		1.0	1.0	0.3	2	0%
Paint Cans	empty	0.0		1.0	1.0	0.3	2	0%
Other Metal	scrap metal, other containers, bikes	0.0		0.6	0.6	0.2	1	0%
<i>Sub-total Metals</i>		7.9	0.0	3.3	11.2	3.1	19	70%

Waste Audit Results Table: Exhibit #4

Municipality: Week 4: Region of North Glengarry (Glen Robertson & McCormick Rd)

page 2 of 2

Waste collection streams	Blue Box	Organics	Garbage	Generation			Blue Box
Waste sort categories and descriptions	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kg. per hhld per year	Recovery Rate Percent

4. GLASS								
LCBO Clear	clear glass alcoholic beverages	9.9		0.0	9.9	2.7	17	100%
LCBO Coloured	coloured glass alcoholic beverages	7.0		0.5	7.5	2.1	13	93%
Clear	food & beverage containers	7.0		1.1	8.1	2.2	14	86%
Coloured	food & beverage containers	1.6		0.0	1.6	0.4	3	100%
Other Glass	lightbulbs, window glass, cups, ceramics	0.0		0.0	0.0	0.0	0	0%
Sub-total Glass		25.6	0.0	1.6	27.2	7.4	47	94%

5. HOUSEHOLD SPECIAL WASTES								
Batteries	all types	0.0		0.0	0.0	0.0	0	
Paint	mostly half to full containers	0.0		0.0	0.0	0.0	0	
Motor Oil	used oil, filters	0.0		0.0	0.0	0.0	0	
Flammables	starter fluid, solvents	0.0		0.0	0.0	0.0	0	
Other HSW	sharps, drugs, acids, antifreeze	0.0		0.0	0.0	0.0	0	
Sub-total HSW		0.0	0.0	0.0	0.0	0.0	0	

6. COMPOSTABLES								
Vegetable Food Waste	vegetable and fruit peelings	0.0		109.0	109.0	29.9	189	
Animal Food Waste	meats, fats, oils	0.0		0.1	0.1	0.0	0	
Grass	grass clippings	0.0		0.0	0.0	0.0	0	
Woody Yard Waste	brush, branches, wood chips	0.0		0.4	0.4	0.1	1	
Other Yard Waste	leaves, soil, garden wastes	0.0		8.9	8.9	2.4	15	
Animal waste	feces, animal litter and bedding	0.0		8.9	8.9	2.4	15	
Wood ashes	fireplaces & wood stoves	0.0		0.0	0.0	0.0	0	
Sub-total Compostables		0.0	0.0	127.3	127.3	34.9	221	

7. OTHER WASTE MATERIALS								
Textiles	clothing, shoes	0.0		11.6	11.6	3.2	20	
Building Renovations	drywall, lumber, carpeting	0.0		1.7	1.7	0.5	3	
White Goods	large appliances	0.0		0.0	0.0	0.0	0	
Sanitary Products	diapers, napkins	0.0		53.1	53.1	14.5	92	
Electronics/Appliances	small appliances, computers, radios	0.0		0.0	0.0	0.0	0	
Rubber	tires, mats, tubing	0.0		0.0	0.0	0.0	0	
Furniture	sofas, chairs, cabinets	0.0		0.0	0.0	0.0	0	
Other	materials not classified elsewhere	0.0		15.6	15.6	4.3	27	
Sub-total Other Waste Materials		0.0	0.0	82.0	82.0	22.5	142	

Total weight in kilograms	118	0	247	365		633	
Total percentages by waste type	32%	0%	68%	100%			

Notes:

"Blue Box" refers to all recyclables collected at the curb, either in a box, bag or other container and the container can be a variety of colours

"Organics" refers to all compostables collected at the curb as either leaf & yard waste, or food and yard wastes for centralized composting

"Garbage" refers to all waste residue materials collected at the curb in bags, containers, tied, bundled for waste disposal

If a 'two' stream waste collection system is used, change the column titles as follows:

a) Blue Box to read DRY

b) Organics to read WET

c) Garbage to read as a blank

Waste Audit Results Table: Exhibit #5

Municipality: Final Total: Region of North Glengarry (Glen Robertson & McCormick Rd.)

Number of households: **30**

Waste collection streams	Blue Box	Organics	Garbage	Generation			Recovery
	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kilograms per hhd per year	Blue Box Rate (%)

1. PAPER FIBRES								
Newspaper	ONP, inserts	148.2		11.2	159.4	11.1	69	93%
Magazines	OMG	59.1		7.5	66.6	4.6	29	89%
Phone Books	OTB	0.0		0.0	0.0	0.0	0	0%
Cardboard	OCC	41.5		10.9	52.4	3.6	23	79%
Boxboard/Rolls	OBB	24.7		20.5	45.1	3.1	20	55%
Mixed Papers	junk mail, fine household papers	17.2		13.6	30.7	2.1	13	56%
Molded Pulp	egg cartons, drink trays	2.2		3.1	5.2	0.4	2	41%
Books	hard and soft cover	5.9		0.0	5.9	0.4	3	99%
Kraft Paper	paper bags	6.3		7.7	14.0	1.0	6	45%
Spiral Wound	frozen juice, pringles type packaging	0.1		3.3	3.4	0.2	1	4%
Tissue/Toweling	tissues, napkins, paper towels	0.0		29.0	29.0	2.0	13	0%
Other Paper	multi-layered, waxed, wrapping, fast food	1.1		8.4	9.5	0.7	4	12%
Gable Top Cartons	milk, juice	0.1		6.1	6.2	0.4	3	1%
Aseptic Containers	tetra type packaging	0.0		0.6	0.6	0.0	0	0%
<i>Sub-total Paper Fibres</i>		306.3	0.0	121.7	428.0	29.7	185	72%

2. PLASTICS								
PETE Soft Drink	# 1 soft drink	5.9		1.4	7.3	0.5	3	81%
LCBO containers	alcoholic beverage containers	0.1		0.0	0.1	0.0	0	100%
PETE Other	water, juice, food, dish soap, trays	4.9		2.8	7.8	0.5	3	63%
HDPE bottles	# 2	7.2		3.5	10.6	0.7	5	67%
PVC	# 3, bottles, packaging	0.5		0.3	0.8	0.1	0	60%
LDPE & PP Bottles	# 4 and # 5, squeezable	0.7		2.1	2.8	0.2	1	26%
PS	# 6, trays, cups, packaging	0.3		9.0	9.3	0.6	4	3%
Recyclable Film	shopping bags, milk pouches,	2.0		13.4	15.4	1.1	7	13%
Non-Recyclable Film	garbage bags, chip bags, shrink wrap	0.0		33.6	33.6	2.3	15	0%
Wide Mouth Tubs & Lids	# 2, 4, 5 & 6	1.7		4.8	6.5	0.4	3	26%
Other Containers	# 7, trays, bottles, unmarked plastics	0.1		0.0	0.1	0.0	0	100%
Other Plastics	non-pkg, garden hose, VCR tape, toys	2.0		23.8	25.7	1.8	11	8%
<i>Sub-total Plastics</i>		25.3	0.0	94.5	119.8	8.3	52	21%

3. METALS								
Aluminum Cans	food & beverage cans	9.0		1.0	10.0	0.7	4	90%
Aluminum Foil Trays	pie plates, etc	0.1		1.1	1.2	0.1	1	9%
Steel Cans	food & beverage cans	22.2		4.4	26.6	1.8	12	84%
Aerosol Cans	empty	0.0		3.7	3.7	0.3	2	0%
Paint Cans	empty	0.0		2.2	2.2	0.2	1	0%
Other Metal	scrap metal, other containers, bikes	0.0		11.8	11.8	0.8	5	0%
<i>Sub-total Metals</i>		31.3	0.0	24.1	55.5	3.8	24	56%

Waste Audit Results Table: Exhibit #5

Municipality: Final Total: Region of North Glengarry (Glen Robertson & McCormick Rd.)

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Waste collection streams	Blue Box	Organics	Garbage	Generation			Blue Box
Waste sort categories and descriptions	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kg. per hhhd per year	Recovery Rate Percent

4. GLASS								
LCBO Clear	clear glass alcoholic beverages	27.6		1.7	29.3	2.0	13	94%
LCBO Coloured	coloured glass alcoholic beverages	35.7		2.9	38.7	2.7	17	92%
Clear	food & beverage containers	38.3		8.4	46.7	3.2	20	82%
Coloured	food & beverage containers	9.9		0.0	9.9	0.7	4	100%
Other Glass	lightbulbs, window glass, cups, ceramics	0.0		5.0	5.0	0.3	2	0%
Sub-total Glass		111.6	0.0	18.0	129.6	9.0	56	86%

5. HOUSEHOLD SPECIAL WASTES								
Batteries	all types	0.0		0.4	0.4	0.0	0	
Paint	mostly half to full containers	0.0		1.4	1.4	0.1	1	
Motor Oil	used oil, filters	0.0		0.9	0.9	0.1	0	
Flammables	starter fluid, solvents	0.0		0.0	0.0	0.0	0	
Other HSW	sharps, drugs, acids, antifreeze	0.0		0.0	0.0	0.0	0	
Sub-total HSW		0.0	0.0	2.7	2.7	0.2	1	

6. COMPOSTABLES								
Vegetable Food Waste	vegetable and fruit peelings	0.0		375.1	375.1	26.0	163	
Animal Food Waste	meats, fats, oils	0.0		9.0	9.0	0.6	4	
Grass	grass clippings	0.0		0.0	0.0	0.0	0	
Woody Yard Waste	brush, branches, wood chips	0.0		5.6	5.6	0.4	2	
Other Yard Waste	leaves, soil, garden wastes	0.0		12.8	12.8	0.9	6	
Animal waste	feces, animal litter and bedding	0.0		29.3	29.3	2.0	13	
Wood ashes	fireplaces & wood stoves	0.0		0.6	0.6	0.0	0	
Sub-total Compostables		0.0	0.0	432.4	432.4	30.0	187	

7. OTHER WASTE MATERIALS								
Textiles	clothing, shoes	0.0		30.9	30.9	2.1	13	
Building Renovations	drywall, lumber, carpeting	0.0		7.6	7.6	0.5	3	
White Goods	large appliances	0.0		0.0	0.0	0.0	0	
Sanitary Products	diapers, napkins	0.0		177.4	177.4	12.3	77	
Electronics/Appliances	small appliances, computers, radios	0.0		1.1	1.1	0.1	0	
Rubber	tires, mats, tubing	0.0		2.5	2.5	0.2	1	
Furniture	sofas, chairs, cabinets	0.0		0.0	0.0	0.0	0	
Other	materials not classified elsewhere	0.0		54.5	54.5	3.8	24	
Sub-total Other Waste Materials		0.0	0.0	273.9	273.9	19.0	119	

Total weight in kilograms	475	0	967	1,442		625	
Total percentages by waste type	33%	0%	67%	100%			

Notes:

"Blue Box" refers to all recyclables collected at the curb, either in a box, bag or other container and the container can be a variety of colours

"Organics" refers to all compostables collected at the curb as either leaf & yard waste, or food and yard wastes for centralized composting

"Garbage" refers to all waste residue materials collected at the curb in bags, containers, tied, bundled for waste disposal

If a 'two' stream waste collection system is used, change the column titles as follows:

a) Blue Box to read DRY

b) Organics to read WET

c) Garbage to read as a blank

Waste Audit Results Table: Exhibit #6

Municipality: Week 1: Region of North Glengarry (MacDonald St.)

Number of households: **30**

Waste collection streams	Blue Box	Organics	Garbage	Generation			Recovery
	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kilograms per hhd per year	Blue Box Rate (%)

1. PAPER FIBRES								
Newspaper	ONP, inserts	13.3		7.2	20.5	4.5	35	65%
Magazines	OMG	5.8		3.4	9.1	2.0	16	63%
Phone Books	OTB	0.0		0.0	0.0	0.0	0	0%
Cardboard	OCC	8.9		6.0	14.8	3.2	26	60%
Boxboard/Rolls	OBB	5.9		11.0	16.9	3.7	29	35%
Mixed Papers	junk mail, fine household papers	0.3		4.6	4.9	1.1	9	6%
Molded Pulp	egg cartons, drink trays	0.2		0.7	0.9	0.2	2	24%
Books	hard and soft cover	0.0		0.0	0.0	0.0	0	0%
Kraft Paper	paper bags	0.1		3.8	3.9	0.8	7	2%
Spiral Wound	frozen juice, pringles type packaging	0.0		0.8	0.8	0.2	1	1%
Tissue/Toweling	tissues, napkins, paper towels	0.0		9.5	9.5	2.1	17	0%
Other Paper	multi-layered, waxed, wrapping, fast food	0.2		1.8	2.0	0.4	3	9%
Gable Top Cartons	milk, juice	0.0		2.6	2.6	0.6	4	0%
Aseptic Containers	tetra type packaging	0.0		0.6	0.6	0.1	1	0%
<i>Sub-total Paper Fibres</i>		34.6	0.0	51.8	86.4	18.9	150	40%

2. PLASTICS								
PETE Soft Drink	# 1 soft drink	1.6		1.0	2.6	0.6	4	63%
LCBO containers	alcoholic beverage containers	0.0		0.0	0.0	0.0	0	0%
PETE Other	water, juice, food, dish soap, trays	0.6		2.5	3.1	0.7	5	20%
HDPE bottles	# 2	1.8		2.3	4.1	0.9	7	44%
PVC	# 3, bottles, packaging	0.1		0.2	0.3	0.1	0	0%
LDPE & PP Bottles	# 4 and # 5, squeezable	0.0		0.7	0.7	0.2	1	0%
PS	# 6, trays, cups, packaging	0.0		2.2	2.2	0.5	4	0%
Recyclable Film	shopping bags, milk pouches,	0.2		5.8	6.0	1.3	10	4%
Non-Recyclable Film	garbage bags, chip bags, shrink wrap	0.0		14.2	14.2	3.1	25	0%
Wide Mouth Tubs & Lids	# 2, 4, 5 & 6	0.1		0.6	0.8	0.2	1	17%
Other Containers	# 7, trays, bottles, unmarked plastics	0.0		0.0	0.0	0.0	0	0%
Other Plastics	non-pkg, garden hose, VCR tape, toys	0.1		1.5	1.6	0.3	3	8%
<i>Sub-total Plastics</i>		4.6	0.0	30.8	35.5	7.8	61	13%

3. METALS								
Aluminum Cans	food & beverage cans	1.9		1.8	3.8	0.8	7	51%
Aluminum Foil Trays	pie plates, etc	0.0		1.0	1.0	0.2	2	0%
Steel Cans	food & beverage cans	2.8		3.0	5.8	1.3	10	49%
Aerosol Cans	empty	0.0		1.2	1.2	0.3	2	0%
Paint Cans	empty	0.0		0.0	0.0	0.0	0	0%
Other Metal	scrap metal, other containers, bikes	0.0		0.4	0.4	0.1	1	0%
<i>Sub-total Metals</i>		4.8	0.0	7.4	12.1	2.7	21	39%

Waste Audit Results Table: Exhibit #6

Municipality: Week 1: Region of North Glengarry (MacDonald St.)

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Waste collection streams	Blue Box	Organics	Garbage	Generation			Blue Box
Waste sort categories and descriptions	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kg. per hhhd per year	Recovery Rate Percent

4. GLASS								
LCBO Clear	clear glass alcoholic beverages	2.0		0.0	2.0	0.4	3	100%
LCBO Coloured	coloured glass alcoholic beverages	2.5		1.1	3.5	0.8	6	70%
Clear	food & beverage containers	4.2		10.7	14.9	3.3	26	28%
Coloured	food & beverage containers	0.0		0.0	0.0	0.0	0	0%
Other Glass	lightbulbs, window glass, cups, ceramics	0.0		1.3	1.3	0.3	2	0%
Sub-total Glass		8.7	0.0	13.1	21.8	4.8	38	40%

5. HOUSEHOLD SPECIAL WASTES								
Batteries	all types	0.0		2.1	2.1	0.5	4	
Paint	mostly half to full containers	0.0		1.5	1.5	0.3	3	
Motor Oil	used oil, filters	0.0		0.2	0.2	0.1	0	
Flammables	starter fluid, solvents	0.0		0.0	0.0	0.0	0	
Other HSW	sharps, drugs, acids, antifreeze	0.0		0.0	0.0	0.0	0	
Sub-total HSW		0.0	0.0	3.8	3.8	0.8	7	

6. COMPOSTABLES								
Vegetable Food Waste	vegetable and fruit peelings	0.0		112.3	112.3	24.6	195	
Animal Food Waste	meats, fats, oils	0.0		13.9	13.9	3.0	24	
Grass	grass clippings	0.0		52.7	52.7	11.5	91	
Woody Yard Waste	brush, branches, wood chips	0.0		27.6	27.6	6.0	48	
Other Yard Waste	leaves, soil, garden wastes	0.0		0.8	0.8	0.2	1	
Animal waste	feces, animal litter and bedding	0.0		37.0	37.0	8.1	64	
Wood ashes	fireplaces & wood stoves	0.0		6.9	6.9	1.5	12	
Sub-total Compostables		0.0	0.0	251.3	251.3	55.0	436	

7. OTHER WASTE MATERIALS								
Textiles	clothing, shoes	0.0		2.6	2.6	0.6	4	
Building Renovations	drywall, lumber, carpeting	0.0		3.5	3.5	0.8	6	
White Goods	large appliances	0.0		0.0	0.0	0.0	0	
Sanitary Products	diapers, napkins	0.0		28.7	28.7	6.3	50	
Electronics/Appliances	small appliances, computers, radios	0.0		0.8	0.8	0.2	1	
Rubber	tires, mats, tubing	0.0		0.0	0.0	0.0	0	
Furniture	sofas, chairs, cabinets	0.0		0.0	0.0	0.0	0	
Other	materials not classified elsewhere	0.0		10.1	10.1	2.2	18	
Sub-total Other Waste Materials		0.0	0.0	45.7	45.7	10.0	79	

Total weight in kilograms	53	0	404	456		791	
Total percentages by waste type	12%	0%	88%	100%			

Notes:

"Blue Box" refers to all recyclables collected at the curb, either in a box, bag or other container and the container can be a variety of colours

"Organics" refers to all compostables collected at the curb as either leaf & yard waste, or food and yard wastes for centralized composting

"Garbage" refers to all waste residue materials collected at the curb in bags, containers, tied, bundled for waste disposal

If a 'two' stream waste collection system is used, change the column titles as follows:

- a) Blue Box to read DRY b) Organics to read WET c) Garbage to read as a blank

Waste Audit Results Table: Exhibit #7

Municipality: Week 2: Region of North Glengarry (MacDonald St.)

Number of households: **30**

Waste collection streams	Blue Box	Organics	Garbage	Generation			Recovery
	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kilograms per hhd per year	Blue Box Rate (%)

1. PAPER FIBRES								
Newspaper	ONP, inserts	41.9		5.0	46.8	10.4	81	89%
Magazines	OMG	2.5		6.0	8.5	1.9	15	30%
Phone Books	OTB	0.0		0.0	0.0	0.0	0	0%
Cardboard	OCC	11.1		4.0	15.0	3.3	26	73%
Boxboard/Rolls	OBB	13.7		8.8	22.5	5.0	39	61%
Mixed Papers	junk mail, fine household papers	1.0		5.9	6.9	1.5	12	14%
Molded Pulp	egg cartons, drink trays	0.2		0.6	0.8	0.2	1	28%
Books	hard and soft cover	0.1		2.0	2.0	0.4	4	0%
Kraft Paper	paper bags	0.7		2.6	3.3	0.7	6	21%
Spiral Wound	frozen juice, pringles type packaging	0.0		1.3	1.3	0.3	2	0%
Tissue/Toweling	tissues, napkins, paper towels	0.0		10.1	10.1	2.2	17	0%
Other Paper	multi-layered, waxed, wrapping, fast food	0.4		1.5	1.9	0.4	3	21%
Gable Top Cartons	milk, juice	0.0		2.2	2.2	0.5	4	0%
Aseptic Containers	tetra type packaging	0.0		0.6	0.6	0.1	1	0%
<i>Sub-total Paper Fibres</i>		71.4	0.0	50.6	122.0	27.1	212	59%

2. PLASTICS								
PETE Soft Drink	# 1 soft drink	1.4		1.2	2.6	0.6	4	54%
LCBO containers	alcoholic beverage containers	0.0		0.0	0.0	0.0	0	0%
PETE Other	water, juice, food, dish soap, trays	1.1		1.0	2.1	0.5	4	54%
HDPE bottles	# 2	3.2		0.9	4.1	0.9	7	78%
PVC	# 3, bottles, packaging	0.0		0.1	0.1	0.0	0	0%
LDPE & PP Bottles	# 4 and # 5, squeezable	0.0		0.1	0.1	0.0	0	0%
PS	# 6, trays, cups, packaging	0.0		4.1	4.1	0.9	7	0%
Recyclable Film	shopping bags, milk pouches,	0.0		2.4	2.4	0.5	4	0%
Non-Recyclable Film	garbage bags, chip bags, shrink wrap	0.0		12.6	12.6	2.8	22	0%
Wide Mouth Tubs & Lids	# 2, 4, 5 & 6	0.1		0.7	0.8	0.2	1	10%
Other Containers	# 7, trays, bottles, unmarked plastics	0.0		0.3	0.3	0.1	0	0%
Other Plastics	non-pkg, garden hose, VCR tape, toys	0.4		9.2	9.6	2.1	17	4%
<i>Sub-total Plastics</i>		6.2	0.0	32.4	38.6	8.6	67	16%

3. METALS								
Aluminum Cans	food & beverage cans	4.4		1.8	6.2	1.4	11	72%
Aluminum Foil Trays	pie plates, etc	0.1		0.8	0.9	0.2	2	10%
Steel Cans	food & beverage cans	5.1		2.1	7.2	1.6	13	71%
Aerosol Cans	empty	0.0		0.5	0.5	0.1	1	0%
Paint Cans	empty	0.0		0.0	0.0	0.0	0	0%
Other Metal	scrap metal, other containers, bikes	0.1		2.1	2.2	0.5	4	6%
<i>Sub-total Metals</i>		9.8	0.0	7.3	17.1	3.8	30	57%

Waste Audit Results Table: Exhibit #7

Municipality: Week 2: Region of North Glengarry (MacDonald St.)

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Waste collection streams	Blue Box	Organics	Garbage	Generation			Blue Box
Waste sort categories and descriptions	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kg. per hhhd per year	Recovery Rate Percent

4. GLASS								
LCBO Clear	clear glass alcoholic beverages	6.0		0.0	6.0	1.3	10	100%
LCBO Coloured	coloured glass alcoholic beverages	6.6		1.1	7.7	1.7	13	86%
Clear	food & beverage containers	7.0		6.1	13.0	2.9	23	53%
Coloured	food & beverage containers	0.8		0.0	0.8	0.2	1	100%
Other Glass	lightbulbs, window glass, cups, ceramics	0.0		2.7	2.7	0.6	5	0%
Sub-total Glass		20.3	0.0	9.9	30.2	6.7	52	67%

5. HOUSEHOLD SPECIAL WASTES								
Batteries	all types	0.0		0.2	0.2	0.0	0	
Paint	mostly half to full containers	0.0		0.0	0.0	0.0	0	
Motor Oil	used oil, filters	0.0		0.0	0.0	0.0	0	
Flammables	starter fluid, solvents	0.0		0.0	0.0	0.0	0	
Other HSW	sharps, drugs, acids, antifreeze	0.0		0.0	0.0	0.0	0	
Sub-total HSW		0.0	0.0	0.2	0.2	0.0	0	

6. COMPOSTABLES								
Vegetable Food Waste	vegetable and fruit peelings	0.0		110.8	110.8	24.6	192	
Animal Food Waste	meats, fats, oils	0.0		8.7	8.7	1.9	15	
Grass	grass clippings	0.0		30.6	30.6	6.8	53	
Woody Yard Waste	brush, branches, wood chips	0.0		11.0	11.0	2.4	19	
Other Yard Waste	leaves, soil, garden wastes	0.0		7.9	7.9	1.7	14	
Animal waste	feces, animal litter and bedding	0.0		18.8	18.8	4.2	33	
Wood ashes	fireplaces & wood stoves	0.0		0.0	0.0	0.0	0	
Sub-total Compostables		0.0	0.0	187.7	187.7	41.6	325	

7. OTHER WASTE MATERIALS								
Textiles	clothing, shoes	0.0		10.0	10.0	2.2	17	
Building Renovations	drywall, lumber, carpeting	0.0		0.2	0.2	0.0	0	
White Goods	large appliances	0.0		0.0	0.0	0.0	0	
Sanitary Products	diapers, napkins	0.0		29.1	29.1	6.5	50	
Electronics/Appliances	small appliances, computers, radios	0.0		0.5	0.5	0.1	1	
Rubber	tires, mats, tubing	0.0		0.0	0.0	0.0	0	
Furniture	sofas, chairs, cabinets	0.0		0.0	0.0	0.0	0	
Other	materials not classified elsewhere	0.0		15.2	15.2	3.4	26	
Sub-total Other Waste Materials		0.0	0.0	55.0	55.0	12.2	95	

Total weight in kilograms	108	0	343	451		781	
Total percentages by waste type	24%	0%	76%	100%			

Notes:

"Blue Box" refers to all recyclables collected at the curb, either in a box, bag or other container and the container can be a variety of colours

"Organics" refers to all compostables collected at the curb as either leaf & yard waste, or food and yard wastes for centralized composting

"Garbage" refers to all waste residue materials collected at the curb in bags, containers, tied, bundled for waste disposal

If a "two" stream waste collection system is used, change the column titles as follows:

- a) Blue Box to read DRY b) Organics to read WET c) Garbage to read as a blank

Waste Audit Results Table: Exhibit #8

Municipality: Week 3: Region of North Glengarry (MacDonald St.)

Number of households: **30**

Waste collection streams	Blue Box	Organics	Garbage	Generation			Recovery
	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kilograms per hhd per year	Blue Box Rate (%)

1. PAPER FIBRES								
Newspaper	ONP, inserts	21.0		7.2	28.2	5.8	49	74%
Magazines	OMG	3.1		4.1	7.2	1.5	12	43%
Phone Books	OTB	0.0		0.0	0.0	0.0	0	0%
Cardboard	OCC	11.1		3.8	14.8	3.1	26	75%
Boxboard/Rolls	OBB	15.2		9.9	25.1	5.2	43	60%
Mixed Papers	junk mail, fine household papers	1.1		4.0	5.0	1.0	9	22%
Molded Pulp	egg cartons, drink trays	0.0		0.7	0.7	0.2	1	0%
Books	hard and soft cover	0.0		0.0	0.0	0.0	0	0%
Kraft Paper	paper bags	0.6		1.8	2.5	0.5	4	26%
Spiral Wound	frozen juice, pringles type packaging	0.0		0.1	0.1	0.0	0	0%
Tissue/Toweling	tissues, napkins, paper towels	0.0		10.3	10.3	2.1	18	0%
Other Paper	multi-layered, waxed, wrapping, fast food	1.5		1.1	2.6	0.5	5	59%
Gable Top Cartons	milk, juice	0.0		1.3	1.3	0.3	2	0%
Aseptic Containers	tetra type packaging	0.0		0.7	0.7	0.1	1	0%
<i>Sub-total Paper Fibres</i>		53.5	0.0	44.9	98.5	20.4	171	54%

2. PLASTICS								
PETE Soft Drink	# 1 soft drink	2.4		1.1	3.5	0.7	6	69%
LCBO containers	alcoholic beverage containers	0.0		0.0	0.0	0.0	0	0%
PETE Other	water, juice, food, dish soap, trays	2.0		0.9	2.9	0.6	5	69%
HDPE bottles	# 2	3.2		2.7	5.9	1.2	10	54%
PVC	# 3, bottles, packaging	0.0		0.0	0.0	0.0	0	0%
LDPE & PP Bottles	# 4 and # 5, squeezable	0.1		0.3	0.5	0.1	1	30%
PS	# 6, trays, cups, packaging	0.0		4.1	4.1	0.8	7	0%
Recyclable Film	shopping bags, milk pouches,	0.0		5.7	5.7	1.2	10	0%
Non-Recyclable Film	garbage bags, chip bags, shrink wrap	0.0		7.1	7.1	1.5	12	0%
Wide Mouth Tubs & Lids	# 2, 4, 5 & 6	0.0		2.3	2.3	0.5	4	0%
Other Containers	# 7, trays, bottles, unmarked plastics	0.8		0.0	0.8	0.2	1	0%
Other Plastics	non-pkg, garden hose, VCR tape, toys	0.0		5.5	5.5	1.1	10	0%
<i>Sub-total Plastics</i>		8.6	0.0	29.7	38.3	7.9	66	22%

3. METALS								
Aluminum Cans	food & beverage cans	3.0		1.8	4.8	1.0	8	62%
Aluminum Foil Trays	pie plates, etc	0.0		1.0	1.0	0.2	2	0%
Steel Cans	food & beverage cans	3.9		2.5	6.4	1.3	11	61%
Aerosol Cans	empty	0.0		0.3	0.3	0.1	1	0%
Paint Cans	empty	0.0		0.0	0.0	0.0	0	0%
Other Metal	scrap metal, other containers, bikes	0.0		0.0	0.0	0.0	0	0%
<i>Sub-total Metals</i>		6.8	0.0	5.6	12.5	2.6	22	55%

Waste Audit Results Table: Exhibit #8

Municipality: Week 3: Region of North Glengarry (MacDonald St.)

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Waste collection streams	Blue Box	Organics	Garbage	Generation			Blue Box
Waste sort categories and descriptions	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kg. per hhhd per year	Recovery Rate Percent

4. GLASS								
LCBO Clear	clear glass alcoholic beverages	2.6		0.0	2.6	0.5	4	100%
LCBO Coloured	coloured glass alcoholic beverages	5.3		0.5	5.9	1.2	10	91%
Clear	food & beverage containers	3.4		7.7	11.2	2.3	19	31%
Coloured	food & beverage containers	0.4		0.0	0.4	0.1	1	100%
Other Glass	lightbulbs, window glass, cups, ceramics	0.0		1.5	1.5	0.3	3	0%
Sub-total Glass		11.7	0.0	9.8	21.5	4.5	37	54%

5. HOUSEHOLD SPECIAL WASTES								
Batteries	all types	0.0		0.0	0.0	0.0	0	
Paint	mostly half to full containers	0.0		0.0	0.0	0.0	0	
Motor Oil	used oil, filters	0.0		5.5	5.5	1.1	9	
Flammables	starter fluid, solvents	0.0		0.0	0.0	0.0	0	
Other HSW	sharps, drugs, acids, antifreeze	0.0		0.0	0.0	0.0	0	
Sub-total HSW		0.0	0.0	5.5	5.5	1.1	9	

6. COMPOSTABLES								
Vegetable Food Waste	vegetable and fruit peelings	0.0		118.9	118.9	24.6	206	
Animal Food Waste	meats, fats, oils	0.0		8.0	8.0	1.7	14	
Grass	grass clippings	0.0		40.2	40.2	8.3	70	
Woody Yard Waste	brush, branches, wood chips	0.0		29.0	29.0	6.0	50	
Other Yard Waste	leaves, soil, garden wastes	0.0		3.3	3.3	0.7	6	
Animal waste	feces, animal litter and bedding	0.0		25.9	25.9	5.4	45	
Wood ashes	fireplaces & wood stoves	0.0		0.0	0.0	0.0	0	
Sub-total Compostables		0.0	0.0	225.4	225.4	46.7	391	

7. OTHER WASTE MATERIALS								
Textiles	clothing, shoes	0.0		29.4	29.4	6.1	51	
Building Renovations	drywall, lumber, carpeting	0.0		0.0	0.0	0.0	0	
White Goods	large appliances	0.0		0.0	0.0	0.0	0	
Sanitary Products	diapers, napkins	0.0		36.3	36.3	7.5	63	
Electronics/Appliances	small appliances, computers, radios	0.0		0.0	0.0	0.0	0	
Rubber	tires, mats, tubing	0.0		0.0	0.0	0.0	0	
Furniture	sofas, chairs, cabinets	0.0		0.0	0.0	0.0	0	
Other	materials not classified elsewhere	0.0		15.6	15.6	3.2	27	
Sub-total Other Waste Materials		0.0	0.0	81.2	81.2	16.8	141	

Total weight in kilograms	81	0	402	483		837	
Total percentages by waste type	17%	0%	83%	100%			

Notes:

"Blue Box" refers to all recyclables collected at the curb, either in a box, bag or other container and the container can be a variety of colours

"Organics" refers to all compostables collected at the curb as either leaf & yard waste, or food and yard wastes for centralized composting

"Garbage" refers to all waste residue materials collected at the curb in bags, containers, tied, bundled for waste disposal

If a "two" stream waste collection system is used, change the column titles as follows:

- a) Blue Box to read DRY b) Organics to read WET c) Garbage to read as a blank

Waste Audit Results Table: Exhibit #9

Municipality: Week 4: Region of North Glengarry (MacDonald St.)

Number of households: **30**

Waste collection streams	Blue Box	Organics	Garbage	Generation			Recovery
	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kilograms per hhd per year	Blue Box Rate (%)

1. PAPER FIBRES								
Newspaper	ONP, inserts	10.9		4.0	14.9	3.3	26	73%
Magazines	OMG	0.4		2.0	2.4	0.5	4	17%
Phone Books	OTB	0.0		0.0	0.0	0.0	0	0%
Cardboard	OCC	20.5		7.3	27.8	6.1	48	74%
Boxboard/Rolls	OBB	14.4		8.7	23.1	5.1	40	62%
Mixed Papers	junk mail, fine household papers	1.3		8.8	10.1	2.2	18	13%
Molded Pulp	egg cartons, drink trays	0.0		0.8	0.8	0.2	1	0%
Books	hard and soft cover	0.0		0.0	0.0	0.0	0	0%
Kraft Paper	paper bags	0.2		1.3	1.5	0.3	3	13%
Spiral Wound	frozen juice, pringles type packaging	0.0		0.8	0.8	0.2	1	0%
Tissue/Toweling	tissues, napkins, paper towels	0.0		7.6	7.6	1.7	13	0%
Other Paper	multi-layered, waxed, wrapping, fast food	5.2		0.6	5.8	1.3	10	90%
Gable Top Cartons	milk, juice	0.0		1.1	1.1	0.3	2	0%
Aseptic Containers	tetra type packaging	0.0		0.5	0.5	0.1	1	0%
<i>Sub-total Paper Fibres</i>		52.9	0.0	43.6	96.5	21.2	167	55%

2. PLASTICS								
PETE Soft Drink	# 1 soft drink	1.7		1.3	3.0	0.7	5	57%
LCBO containers	alcoholic beverage containers	0.0		0.0	0.0	0.0	0	0%
PETE Other	water, juice, food, dish soap, trays	2.1		1.2	3.3	0.7	6	63%
HDPE bottles	# 2	3.0		6.2	9.2	2.0	16	33%
PVC	# 3, bottles, packaging	0.0		2.1	2.1	0.5	4	0%
LDPE & PP Bottles	# 4 and # 5, squeezable	0.0		0.2	0.2	0.0	0	0%
PS	# 6, trays, cups, packaging	0.0		2.4	2.4	0.5	4	0%
Recyclable Film	shopping bags, milk pouches,	0.0		2.7	2.7	0.6	5	0%
Non-Recyclable Film	garbage bags, chip bags, shrink wrap	0.0		8.3	8.3	1.8	14	0%
Wide Mouth Tubs & Lids	# 2, 4, 5 & 6	0.3		1.0	1.3	0.3	2	23%
Other Containers	# 7, trays, bottles, unmarked plastics	0.0		0.0	0.0	0.0	0	0%
Other Plastics	non-pkg, garden hose, VCR tape, toys	0.2		3.0	3.2	0.7	6	6%
<i>Sub-total Plastics</i>		7.3	0.0	28.5	35.8	7.9	62	20%

3. METALS								
Aluminum Cans	food & beverage cans	4.6		1.6	6.2	1.4	11	74%
Aluminum Foil Trays	pie plates, etc	0.0		0.8	0.8	0.2	1	0%
Steel Cans	food & beverage cans	4.3		2.3	6.6	1.4	11	65%
Aerosol Cans	empty	0.0		0.5	0.5	0.1	1	0%
Paint Cans	empty	0.0		0.0	0.0	0.0	0	0%
Other Metal	scrap metal, other containers, bikes	0.0		0.0	0.0	0.0	0	0%
<i>Sub-total Metals</i>		8.9	0.0	5.2	14.1	3.1	25	63%

Waste Audit Results Table: Exhibit #9

Municipality: Week 4: Region of North Glengarry (MacDonald St.)

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Waste collection streams	Blue Box	Organics	Garbage	Generation			Blue Box
Waste sort categories and descriptions	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kg. per hhld per year	Recovery Rate Percent

4. GLASS								
LCBO Clear	clear glass alcoholic beverages	4.9		0.0	4.9	1.1	8	100%
LCBO Coloured	coloured glass alcoholic beverages	5.4		0.9	6.3	1.4	11	86%
Clear	food & beverage containers	4.2		10.7	14.9	3.3	26	28%
Coloured	food & beverage containers	0.0		0.0	0.0	0.0	0	0%
Other Glass	lightbulbs, window glass, cups, ceramics	0.0		0.0	0.0	0.0	0	0%
Sub-total Glass		14.4	0.0	11.6	26.0	5.7	45	55%

5. HOUSEHOLD SPECIAL WASTES								
Batteries	all types	0.0		0.0	0.0	0.0	0	
Paint	mostly half to full containers	0.0		0.6	0.6	0.1	1	
Motor Oil	used oil, filters	0.0		0.0	0.0	0.0	0	
Flammables	starter fluid, solvents	0.0		0.0	0.0	0.0	0	
Other HSW	sharps, drugs, acids, antifreeze	0.0		0.0	0.0	0.0	0	
Sub-total HSW		0.0	0.0	0.6	0.6	0.1	1	

6. COMPOSTABLES								
Vegetable Food Waste	vegetable and fruit peelings	0.0		136.7	136.7	30.1	237	
Animal Food Waste	meats, fats, oils	0.0		0.0	0.0	0.0	0	
Grass	grass clippings	0.0		57.6	57.6	12.7	100	
Woody Yard Waste	brush, branches, wood chips	0.0		0.0	0.0	0.0	0	
Other Yard Waste	leaves, soil, garden wastes	0.0		0.3	0.3	0.1	1	
Animal waste	feces, animal litter and bedding	0.0		23.8	23.8	5.2	41	
Wood ashes	fireplaces & wood stoves	0.0		0.0	0.0	0.0	0	
Sub-total Compostables		0.0	0.0	218.4	218.4	48.1	379	

7. OTHER WASTE MATERIALS								
Textiles	clothing, shoes	0.0		4.4	4.4	1.0	8	
Building Renovations	drywall, lumber, carpeting	0.0		5.9	5.9	1.3	10	
White Goods	large appliances	0.0		0.0	0.0	0.0	0	
Sanitary Products	diapers, napkins	0.0		25.2	25.2	5.5	44	
Electronics/Appliances	small appliances, computers, radios	0.0		0.3	0.3	0.1	1	
Rubber	tires, mats, tubing	0.0		0.0	0.0	0.0	0	
Furniture	sofas, chairs, cabinets	0.0		0.0	0.0	0.0	0	
Other	materials not classified elsewhere	0.0		27.1	27.1	6.0	47	
Sub-total Other Waste Materials		0.0	0.0	63.0	63.0	13.9	109	

Total weight in kilograms	84	0	371	455		788	
Total percentages by waste type	18%	0%	82%	100%			

Notes:

"Blue Box" refers to all recyclables collected at the curb, either in a box, bag or other container and the container can be a variety of colours

"Organics" refers to all compostables collected at the curb as either leaf & yard waste, or food and yard wastes for centralized composting

"Garbage" refers to all waste residue materials collected at the curb in bags, containers, tied, bundled for waste disposal

If a "two" stream waste collection system is used, change the column titles as follows:

a) Blue Box to read DRY

b) Organics to read WET

c) Garbage to read as a blank

Waste Audit Results Table: Exhibit #10

Municipality: Final Total: Region of North Glengarry (MacDonald St.)

Number of households: **30**

Waste collection streams	Blue Box	Organics	Garbage	Generation			Recovery
	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kilograms per hhd per year	Blue Box Rate (%)

1. PAPER FIBRES								
Newspaper	ONP, inserts	87.0		23.4	110.4	6.0	48	79%
Magazines	OMG	11.8		15.5	27.2	1.5	12	43%
Phone Books	OTB	0.0		0.0	0.0	0.0	0	0%
Cardboard	OCC	51.5		21.0	72.5	3.9	31	71%
Boxboard/Rolls	OBB	49.6		38.4	88.0	4.8	38	56%
Mixed Papers	junk mail, fine household papers	3.7		23.3	27.0	1.5	12	14%
Molded Pulp	egg cartons, drink trays	0.4		2.9	3.3	0.2	1	13%
Books	hard and soft cover	0.1		2.0	2.0	0.1	1	2%
Kraft Paper	paper bags	1.6		9.5	11.1	0.6	5	14%
Spiral Wound	frozen juice, pringles type packaging	0.0		3.0	3.0	0.2	1	0%
Tissue/Toweling	tissues, napkins, paper towels	0.0		37.4	37.4	2.0	16	0%
Other Paper	multi-layered, waxed, wrapping, fast food	7.3		5.0	12.3	0.7	5	59%
Gable Top Cartons	milk, juice	0.0		7.2	7.2	0.4	3	0%
Aseptic Containers	tetra type packaging	0.0		2.4	2.4	0.1	1	0%
<i>Sub-total Paper Fibres</i>		212.9	0.0	190.9	403.9	21.9	175	53%

2. PLASTICS								
PETE Soft Drink	# 1 soft drink	7.1		4.5	11.6	0.6	5	61%
LCBO containers	alcoholic beverage containers	0.0		0.0	0.0	0.0	0	0%
PETE Other	water, juice, food, dish soap, trays	5.9		5.5	11.4	0.6	5	52%
HDPE bottles	# 2	11.2		12.1	23.3	1.3	10	48%
PVC	# 3, bottles, packaging	0.1		2.5	2.5	0.1	1	4%
LDPE & PP Bottles	# 4 and # 5, squeezable	0.1		1.4	1.5	0.1	1	9%
PS	# 6, trays, cups, packaging	0.0		12.8	12.8	0.7	6	0%
Recyclable Film	shopping bags, milk pouches,	0.2		16.6	16.8	0.9	7	1%
Non-Recyclable Film	garbage bags, chip bags, shrink wrap	0.0		42.2	42.2	2.3	18	0%
Wide Mouth Tubs & Lids	# 2, 4, 5 & 6	0.5		4.6	5.2	0.3	2	10%
Other Containers	# 7, trays, bottles, unmarked plastics	0.8		0.3	1.1	0.1	0	75%
Other Plastics	non-pkg, garden hose, VCR tape, toys	0.7		19.1	19.8	1.1	9	3%
<i>Sub-total Plastics</i>		26.7	0.0	121.5	148.2	8.0	64	18%

3. METALS								
Aluminum Cans	food & beverage cans	13.9		7.0	20.9	1.1	9	67%
Aluminum Foil Trays	pie plates, etc	0.1		3.6	3.7	0.2	2	2%
Steel Cans	food & beverage cans	16.1		9.9	26.0	1.4	11	62%
Aerosol Cans	empty	0.0		2.6	2.6	0.1	1	0%
Paint Cans	empty	0.0		0.0	0.0	0.0	0	0%
Other Metal	scrap metal, other containers, bikes	0.1		2.4	2.6	0.1	1	5%
<i>Sub-total Metals</i>		30.2	0.0	25.6	55.8	3.0	24	54%

Waste Audit Results Table: Exhibit #10

Municipality: Final Total: Region of North Glengarry (MacDonald St.)

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Waste collection streams	Blue Box	Organics	Garbage	Generation			Blue Box
Waste sort categories and descriptions	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kg. per hhhd per year	Recovery Rate Percent

4. GLASS								
LCBO Clear	clear glass alcoholic beverages	15.5		0.0	15.5	0.8	7	100%
LCBO Coloured	coloured glass alcoholic beverages	19.8		3.6	23.3	1.3	10	85%
Clear	food & beverage containers	18.8		35.2	54.0	2.9	23	35%
Coloured	food & beverage containers	1.2		0.0	1.2	0.1	1	100%
Other Glass	lightbulbs, window glass, cups, ceramics	0.0		5.5	5.5	0.3	2	0%
Sub-total Glass		55.2	0.0	44.3	99.5	5.4	43	55%

5. HOUSEHOLD SPECIAL WASTES								
Batteries	all types	0.0		2.3	2.3	0.1	1	
Paint	mostly half to full containers	0.0		2.1	2.1	0.1	1	
Motor Oil	used oil, filters	0.0		5.7	5.7	0.3	2	
Flammables	starter fluid, solvents	0.0		0.0	0.0	0.0	0	
Other HSW	sharps, drugs, acids, antifreeze	0.0		0.0	0.0	0.0	0	
Sub-total HSW		0.0	0.0	10.1	10.1	0.5	4	

6. COMPOSTABLES								
Vegetable Food Waste	vegetable and fruit peelings	0.0		478.7	478.7	25.9	207	
Animal Food Waste	meats, fats, oils	0.0		30.6	30.6	1.7	13	
Grass	grass clippings	0.0		181.1	181.1	9.8	78	
Woody Yard Waste	brush, branches, wood chips	0.0		67.6	67.6	3.7	29	
Other Yard Waste	leaves, soil, garden wastes	0.0		12.3	12.3	0.7	5	
Animal waste	feces, animal litter and bedding	0.0		105.6	105.6	5.7	46	
Wood ashes	fireplaces & wood stoves	0.0		6.9	6.9	0.4	3	
Sub-total Compostables		0.0	0.0	882.8	882.8	47.8	383	

7. OTHER WASTE MATERIALS								
Textiles	clothing, shoes	0.0		46.9	46.9	2.5	20	
Building Renovations	drywall, lumber, carpeting	0.0		9.6	9.6	0.5	4	
White Goods	large appliances	0.0		0.0	0.0	0.0	0	
Sanitary Products	diapers, napkins	0.0		119.3	119.3	6.5	52	
Electronics/Appliances	small appliances, computers, radios	0.0		1.6	1.6	0.1	1	
Rubber	tires, mats, tubing	0.0		0.0	0.0	0.0	0	
Furniture	sofas, chairs, cabinets	0.0		0.0	0.0	0.0	0	
Other	materials not classified elsewhere	0.0		68.1	68.1	3.7	30	
Sub-total Other Waste Materials		0.0	0.0	245.4	245.4	13.3	106	

Total weight in kilograms	325	0	1,520	1,845		800	
Total percentages by waste type	18%	0%	82%	100%			

Notes:

"Blue Box" refers to all recyclables collected at the curb, either in a box, bag or other container and the container can be a variety of colours

"Organics" refers to all compostables collected at the curb as either leaf & yard waste, or food and yard wastes for centralized composting

"Garbage" refers to all waste residue materials collected at the curb in bags, containers, tied, bundled for waste disposal

If a "two" stream waste collection system is used, change the column titles as follows:

a) Blue Box to read DRY

b) Organics to read WET

c) Garbage to read as a blank

Waste Audit Results Table: Exhibit #11

Municipality: Final Total: Region of North Glengarry

Number of households: **60**

Waste collection streams	Blue Box	Organics	Garbage	Generation			Recovery
	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kilograms per hhd per year	Blue Box Rate (%)

1. PAPER FIBRES								
Newspaper	ONP, inserts	235.2		34.6	269.8	8.2	29	87%
Magazines	OMG	70.8		23.0	93.8	2.9	10	76%
Phone Books	OTB	0.0		0.0	0.0	0.0	0	0%
Cardboard	OCC	93.0		31.8	124.8	3.8	14	74%
Boxboard/Rolls	OBB	74.3		58.9	133.1	4.1	14	56%
Mixed Papers	junk mail, fine household papers	20.8		36.9	57.7	1.8	6	36%
Molded Pulp	egg cartons, drink trays	2.6		5.9	8.5	0.3	1	31%
Books	hard and soft cover	5.9		2.0	7.9	0.2	1	75%
Kraft Paper	paper bags	7.9		17.2	25.2	0.8	3	32%
Spiral Wound	frozen juice, pringles type packaging	0.2		6.2	6.4	0.2	1	2%
Tissue/Toweling	tissues, napkins, paper towels	0.0		66.4	66.4	2.0	7	0%
Other Paper	multi-layered, waxed, wrapping, fast food	8.5		13.4	21.9	0.7	2	39%
Gable Top Cartons	milk, juice	0.1		13.4	13.5	0.4	1	1%
Aseptic Containers	tetra type packaging	0.0		3.0	3.0	0.1	0	0%
<i>Sub-total Paper Fibres</i>		519.3	0.0	312.6	831.9	25.3	90	62%

2. PLASTICS								
PETE Soft Drink	# 1 soft drink	13.0		5.9	18.9	0.6	2	69%
LCBO containers	alcoholic beverage containers	0.1		0.0	0.1	0.0	0	100%
PETE Other	water, juice, food, dish soap, trays	10.8		8.4	19.2	0.6	2	56%
HDPE bottles	# 2	18.4		15.5	33.9	1.0	4	54%
PVC	# 3, bottles, packaging	0.5		2.8	3.3	0.1	0	16%
LDPE & PP Bottles	# 4 and # 5, squeezable	0.9		3.4	4.3	0.1	0	20%
PS	# 6, trays, cups, packaging	0.3		21.8	22.1	0.7	2	1%
Recyclable Film	shopping bags, milk pouches,	2.2		29.9	32.2	1.0	3	7%
Non-Recyclable Film	garbage bags, chip bags, shrink wrap	0.0		75.8	75.8	2.3	8	0%
Wide Mouth Tubs & Lids	# 2, 4, 5 & 6	2.2		9.4	11.6	0.4	1	19%
Other Containers	# 7, trays, bottles, unmarked plastics	0.9		0.3	1.1	0.0	0	77%
Other Plastics	non-pkg, garden hose, VCR tape, toys	2.7		42.9	45.6	1.4	5	6%
<i>Sub-total Plastics</i>		51.9	0.0	216.0	267.9	8.2	29	19%

3. METALS								
Aluminum Cans	food & beverage cans	22.9		8.0	30.9	0.9	3	74%
Aluminum Foil Trays	pie plates, etc	0.2		4.7	4.9	0.1	1	4%
Steel Cans	food & beverage cans	38.3		14.3	52.6	1.6	6	73%
Aerosol Cans	empty	0.0		6.3	6.3	0.2	1	0%
Paint Cans	empty	0.0		2.2	2.2	0.1	0	0%
Other Metal	scrap metal, other containers, bikes	0.1		14.2	14.3	0.4	2	1%
<i>Sub-total Metals</i>		61.6	0.0	49.7	111.3	3.4	12	55%

Waste Audit Results Table: Exhibit #11

Municipality: Final Total: Region of North Glengarry

page 2 of 2

Waste collection streams	Blue Box	Organics	Garbage	Generation			Blue Box
Waste sort categories and descriptions	Net Weight (kg)	Net Weight (kg)	Net Weight (kg)	Total Net Weight (kg)	Percent of Total (%)	kg. per hhhd per year	Recovery Rate Percent

4. GLASS								
LCBO Clear	clear glass alcoholic beverages	43.1		1.7	44.8	1.4	5	96%
LCBO Coloured	coloured glass alcoholic beverages	55.5		6.5	62.0	1.9	7	90%
Clear	food & beverage containers	57.1		43.6	100.6	3.1	11	57%
Coloured	food & beverage containers	11.1		0.0	11.1	0.3	1	100%
Other Glass	lightbulbs, window glass, cups, ceramics	0.0		10.5	10.5	0.3	1	0%
Sub-total Glass		166.8	0.0	62.3	229.1	7.0	25	73%

5. HOUSEHOLD SPECIAL WASTES								
Batteries	all types	0.0		2.7	2.7	0.1	0	
Paint	mostly half to full containers	0.0		3.5	3.5	0.1	0	
Motor Oil	used oil, filters	0.0		6.6	6.6	0.2	1	
Flammables	starter fluid, solvents	0.0		0.0	0.0	0.0	0	
Other HSW	sharps, drugs, acids, antifreeze	0.0		0.0	0.0	0.0	0	
Sub-total HSW		0.0	0.0	12.8	12.8	0.4	3	

6. COMPOSTABLES								
Vegetable Food Waste	vegetable and fruit peelings	0.0		853.8	853.8	26.0	92	
Animal Food Waste	meats, fats, oils	0.0		39.6	39.6	1.2	4	
Grass	grass clippings	0.0		181.1	181.1	5.5	20	
Woody Yard Waste	brush, branches, wood chips	0.0		73.1	73.1	2.2	8	
Other Yard Waste	leaves, soil, garden wastes	0.0		25.1	25.1	0.8	3	
Animal waste	feces, animal litter and bedding	0.0		134.9	134.9	4.1	15	
Wood ashes	fireplaces & wood stoves	0.0		7.5	7.5	0.2	1	
Sub-total Compostables		0.0	0.0	1,315.1	1,315.1	40.0	142	

7. OTHER WASTE MATERIALS								
Textiles	clothing, shoes	0.0		77.8	77.8	2.4	8	
Building Renovations	drywall, lumber, carpeting	0.0		17.2	17.2	0.5	2	
White Goods	large appliances	0.0		0.0	0.0	0.0	0	
Sanitary Products	diapers, napkins	0.0		296.6	296.6	9.0	32	
Electronics/Appliances	small appliances, computers, radios	0.0		2.6	2.6	0.1	0	
Rubber	tires, mats, tubing	0.0		2.5	2.5	0.1	0	
Furniture	sofas, chairs, cabinets	0.0		0.0	0.0	0.0	0	
Other	materials not classified elsewhere	0.0		122.5	122.5	3.7	13	
Sub-total Other Waste Materials		0.0	0.0	519.3	519.3	15.8	56	

Total weight in kilograms	800	0	2,488	3,287		356	
Total percentages by waste type	24%	0%	76%	100%			

Notes:

"Blue Box" refers to all recyclables collected at the curb, either in a box, bag or other container and the container can be a variety of colours

"Organics" refers to all compostables collected at the curb as either leaf & yard waste, or food and yard wastes for centralized composting

"Garbage" refers to all waste residue materials collected at the curb in bags, containers, tied, bundled for waste disposal

If a 'two' stream waste collection system is used, change the column titles as follows:

- a) Blue Box to read DRY b) Organics to read WET c) Garbage to read as a blank

Waste Audit Collection Log - Exhibit #12

Municipality: McCormick & Glen Robertson Rd.

Date: July 11 - August 1, 2000

No. Of hhlds: 31

Hhld Types: Rural Residential

Weather: For the most part sunny

Street Name	House Address	Waste Collection Stream	
		Recyclables No. Of Containers	Garbage No. Of Containers
Glen Robertson Rd.	20651	2	9
Glen Robertson Rd.	20659	3	10
Glen Robertson Rd.	20661	2	8
Glen Robertson Rd.	20666	6	6
Glen Robertson Rd.	20663	4	7
Glen Robertson Rd.	20674	1	3
Glen Robertson Rd.	20675	2	3
Glen Robertson Rd.	20676	2	4
Glen Robertson Rd.	20680	4	7
Glen Robertson Rd.	20684	3	1
Glen Robertson Rd.	20687	3	3
Glen Robertson Rd.	20690	2	4
Glen Robertson Rd.	20694	3	4
Glen Robertson Rd.	20698	3	4
Glen Robertson Rd.	20702	4	7
Glen Robertson Rd.	20710	6.5	9
McCormick Rd.	20801	4	5
McCormick Rd.	20845	5.5	11
McCormick Rd.	20880	1	4
McCormick Rd.	20910	4	4.5
McCormick Rd.	20915	5	7
McCormick Rd.	20970	5	12
McCormick Rd.	20963	0	11
McCormick Rd.	21005	1	6
McCormick Rd.	21025	1.5	1
McCormick Rd.	21030	0	4
McCormick Rd.	21085	3	4.5
McCormick Rd.	21104	4	10
McCormick Rd.	21116	0	2.5
McCormick Rd.	21135	1	4.5
McCormick Rd.	21038	5	8
Total For Length Of Study		90.5	184
Average per Household per Week		0.7	1.5

Waste Audit Collection Log - Exhibit #13

Municipality: MacDonald Blvd.

Date: July 12 - August 2, 2000

No. Of hhlds: 31

Hhld Types: Urban Residential

Weather: For the most part sunny

Street Name	House Address	Waste Collection Stream		
		Recyclables No. Of Containers		Garbage No. Of Containers
MacDonald Blvd.	325	4		13
MacDonald Blvd.	321	3		13
MacDonald Blvd.	317	4		6
MacDonald Blvd.	313	4		25
MacDonald Blvd.	309	2		12
MacDonald Blvd.	305	2		10.5
MacDonald Blvd.	301	0		16
MacDonald Blvd.	255	2		17
MacDonald Blvd.	253	4		10.5
MacDonald Blvd.	249	5		10
MacDonald Blvd.	245	0		0
MacDonald Blvd.	241	2		26.5
MacDonald Blvd.	237	5.5		5
MacDonald Blvd.	233	4		13.5
MacDonald Blvd.	229	2.5		7.5
MacDonald Blvd.	225	4		8
MacDonald Blvd.	221	4		6.5
MacDonald Blvd.	217	4		4
MacDonald Blvd.	213	2.5		21.5
MacDonald Blvd.	199	0		2.5
MacDonald Blvd.	195	2.5		8
MacDonald Blvd.	187	5.5		5.5
MacDonald Blvd.	183	5.5		17.5
MacDonald Blvd.	177	4		14
MacDonald Blvd.	171	4		12
MacDonald Blvd.	165	4		8.5
MacDonald Blvd.	157	2.5		9
MacDonald Blvd.	151	2.5		0
MacDonald Blvd.	85	2.5		0
MacDonald Blvd.	57	2.5		0
MacDonald Blvd.	53	2.5		0
Total For Length Of Study		96.5		302.5
Average per Household per Week		0.8		2.4

Prices as of August 8, 2000: Exhibit #14

Waste collection streams		Price
		(\$/metric tonne)
1. PAPER FIBRES		
Newspaper	ONP, inserts	\$80.00
Magazines	OMG	\$80.00
Phone Books	OTB	\$80.00
Cardboard	OCC	\$80.00
Boxboard/Rolls	OBB	\$80.00
Mixed Papers	junk mail, fine household papers	\$200.00
Molded Pulp	egg cartons, drink trays	\$80.00
Books	hard and soft cover	\$80.00
Kraft Paper	paper bags	\$80.00
2. PLASTICS		
PETE Soft Drink	# 1 soft drink	\$180.00
LCBO containers	alcoholic beverage containers	\$180.00
PETE Other	water, juice, food, dish soap, trays	\$180.00
HDPE bottles	# 2	\$525.00
Recyclable Film	shopping bags, milk pouches,	\$20.00
Wide Mouth Tubs & Lids	# 2, 4, 5 & 6	\$50.00
3. METALS		
Aluminum Cans	food & beverage cans	\$1,800.00
Aluminum Foil Trays	pie plates, etc	\$880.00
Steel Cans	food & beverage cans	\$34.00
4. GLASS		
LCBO Clear	clear glass alcoholic beverages	\$49.00
LCBO Coloured	coloured glass alcoholic beverages	\$24.00
Clear	food & beverage containers	\$49.00
Coloured	food & beverage containers	\$24.00

Waste Audit - Prices: Exhibit #15

Municipality: Final Total: Region of North Glengarry

Number of households: **60**

Waste collection streams	Blue Box	Garbage	\$ in BB	\$ in Garbage		\$ in Garbage	\$ in Garbage
Waste sort categories and descriptions	Net Weight (kg)	Net Weight (kg)	Dollar Value (\$)	Dollar Value (\$)	Total Dollar Value (\$)	Dollar Value per hhhd per year	In North Glengarry per year (\$)

1. PAPER FIBRES								
Newspaper	ONP, inserts	235.2	34.6	\$18.82	\$2.77	\$21.58	\$0.60	\$2,707.85
Magazines	OMG	70.8	23.0	\$5.67	\$1.84	\$7.50	\$0.40	\$1,799.22
Phone Books	OTB	0.0	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Cardboard	OCC	93.0	31.8	\$7.44	\$2.55	\$9.99	\$0.55	\$2,494.01
Boxboard/Rolls	OBB	74.3	58.9	\$5.94	\$4.71	\$10.65	\$1.02	\$4,609.68
Mixed Papers	junk mail, fine household papers	20.8	36.9	\$4.17	\$7.37	\$11.54	\$1.60	\$7,220.01
Molded Pulp	egg cartons, drink trays	2.6	5.9	\$0.21	\$0.47	\$0.68	\$0.10	\$463.71
Books	hard and soft cover	5.9	2.0	\$0.47	\$0.16	\$0.63	\$0.03	\$156.66
Kraft Paper	paper bags	7.9	17.2	\$0.63	\$1.38	\$2.01	\$0.30	\$1,349.61
<i>Sub-total Paper Fibres</i>		510.6	210.3	\$43.34	\$21.24	\$64.59	\$4.60	\$20,800.75

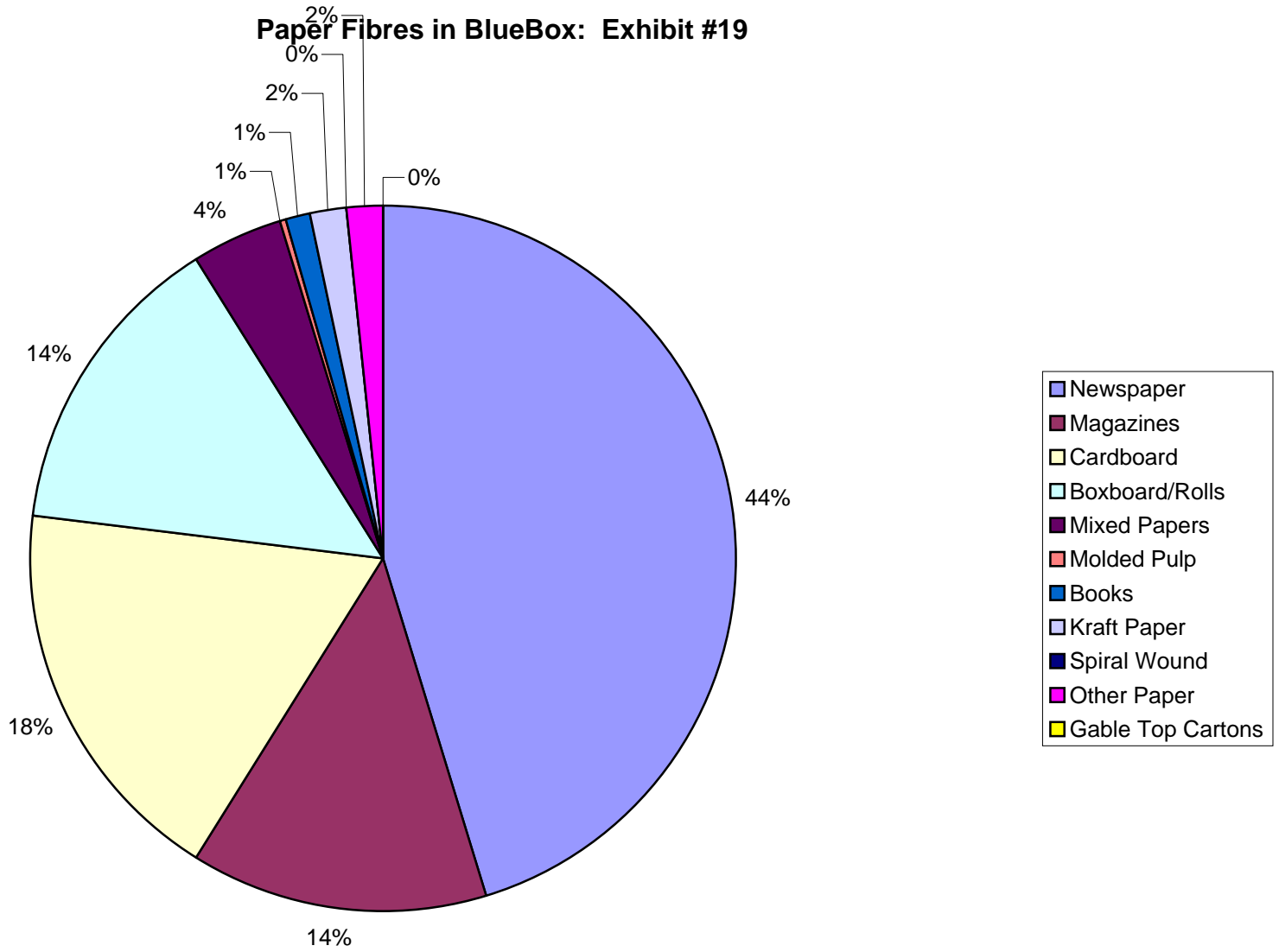
2. PLASTICS								
PETE Soft Drink	# 1 soft drink	13.0	5.9	\$2.35	\$1.06	\$3.41	\$0.23	\$1,039.82
LCBO containers	alcoholic beverage containers	0.1	0.0	\$0.01	\$0.00	\$0.01	\$0.00	\$0.00
PETE Other	water, juice, food, dish soap, trays	10.8	8.4	\$1.95	\$1.51	\$3.45	\$0.33	\$1,475.14
HDPE bottles	# 2	18.4	15.5	\$9.65	\$8.15	\$17.80	\$1.77	\$7,977.84
Recyclable Film	shopping bags, milk pouches,	2.2	29.9	\$0.04	\$0.60	\$0.64	\$0.13	\$586.10
Wide Mouth Tubs & Lids	# 2, 4, 5 & 6	2.2	9.4	\$0.11	\$0.47	\$0.58	0	\$231.07
<i>Sub-total Plastics</i>		46.7	69.2	\$14.11	\$11.79	\$25.90	\$2.55	\$11,541.04

3. METALS								
Aluminum Cans	food & beverage cans	22.9	8.0	\$41.26	\$14.40	\$55.66	\$3.12	\$14,099.28
Aluminum Foil Trays	pie plates, etc	0.2	4.7	\$0.19	\$4.69	\$4.88	\$1.02	\$4,592.06
Steel Cans	food & beverage cans	38.3	14.3	\$1.30	\$0.49	\$1.79	\$0.11	\$475.71
<i>Sub-total Metals</i>		61.4	27.0	\$42.75	\$19.58	\$62.33	\$4.24	\$19,167.05

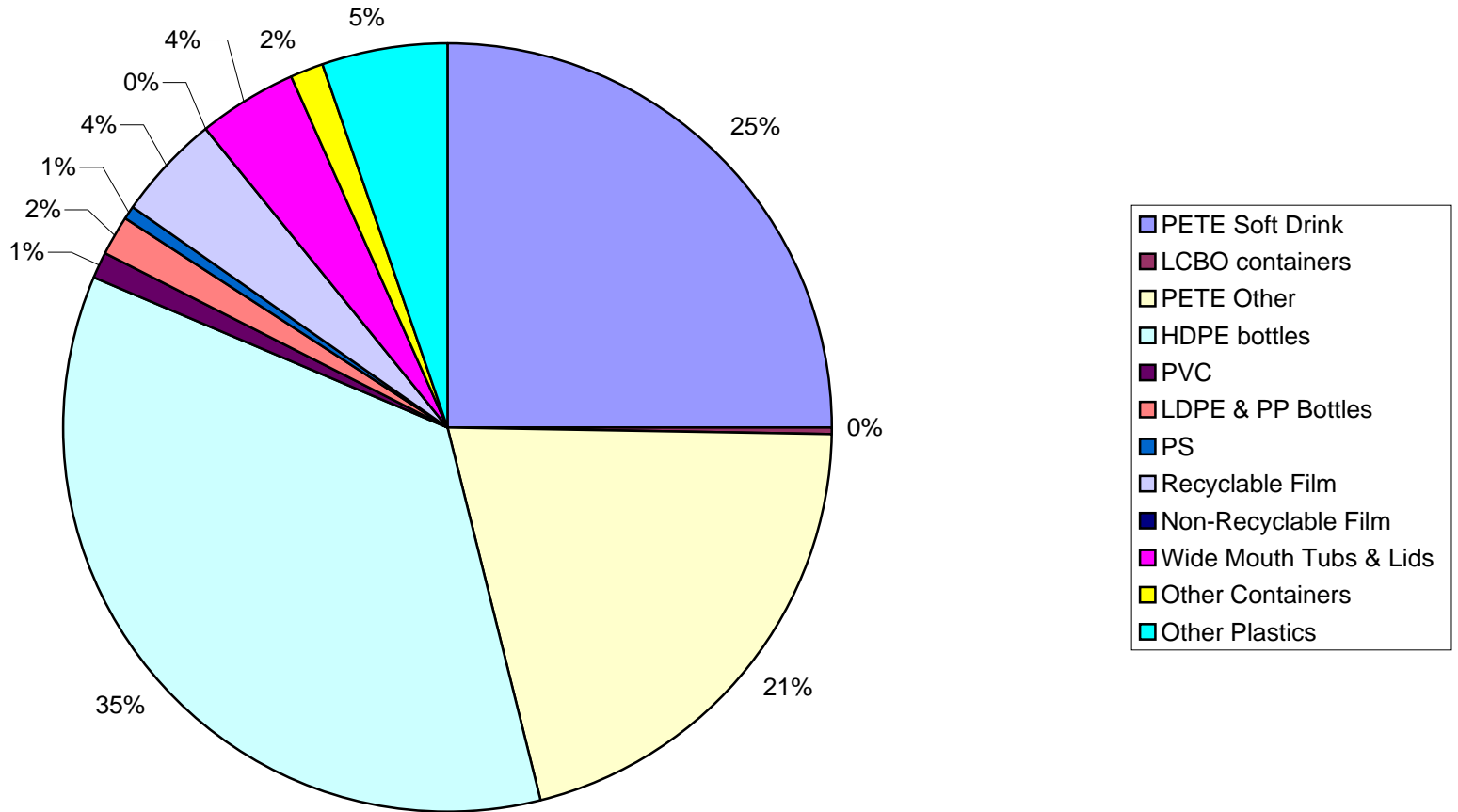
4. GLASS								
LCBO Clear	clear glass alcoholic beverages	43.1	1.7	\$2.11	\$0.08	\$2.20	\$0.02	\$81.08
LCBO Coloured	coloured glass alcoholic beverages	55.5	6.5	\$1.33	\$0.16	\$1.49	\$0.03	\$152.98
Clear	food & beverage containers	57.1	43.6	\$2.80	\$2.14	\$4.93	\$0.46	\$2,090.83
Coloured	food & beverage containers	11.1	0.0	\$0.27	\$0.00	\$0.27	\$0.00	\$0.00
<i>Sub-total Glass</i>		166.8	51.8	\$6.51	\$2.37	\$8.88	\$0.51	\$2,324.88

Total Price		785.4	358.2	\$106.71	\$54.98	\$161.69	\$11.91	\$53,833.72
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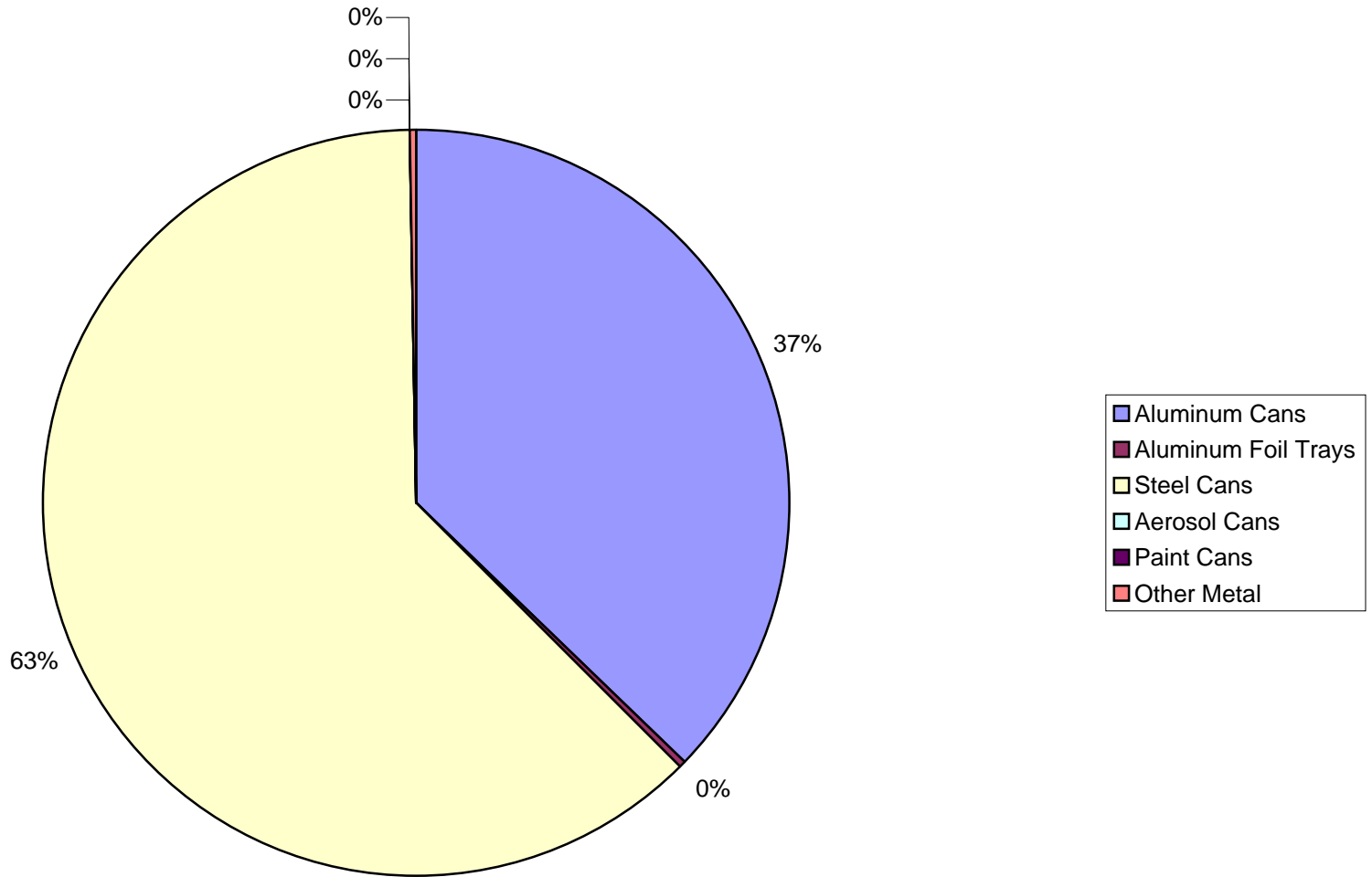
Paper Fibres in BlueBox: Exhibit #19



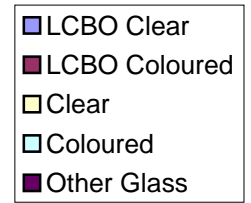
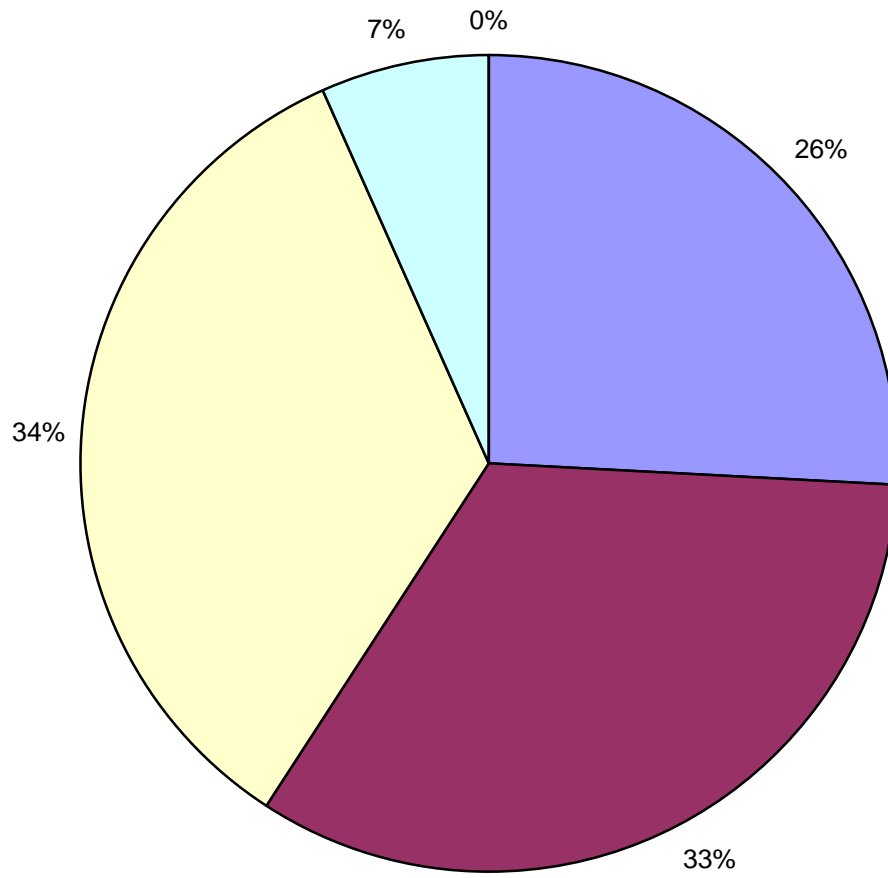
Plastics in BlueBox: Exhibit #20



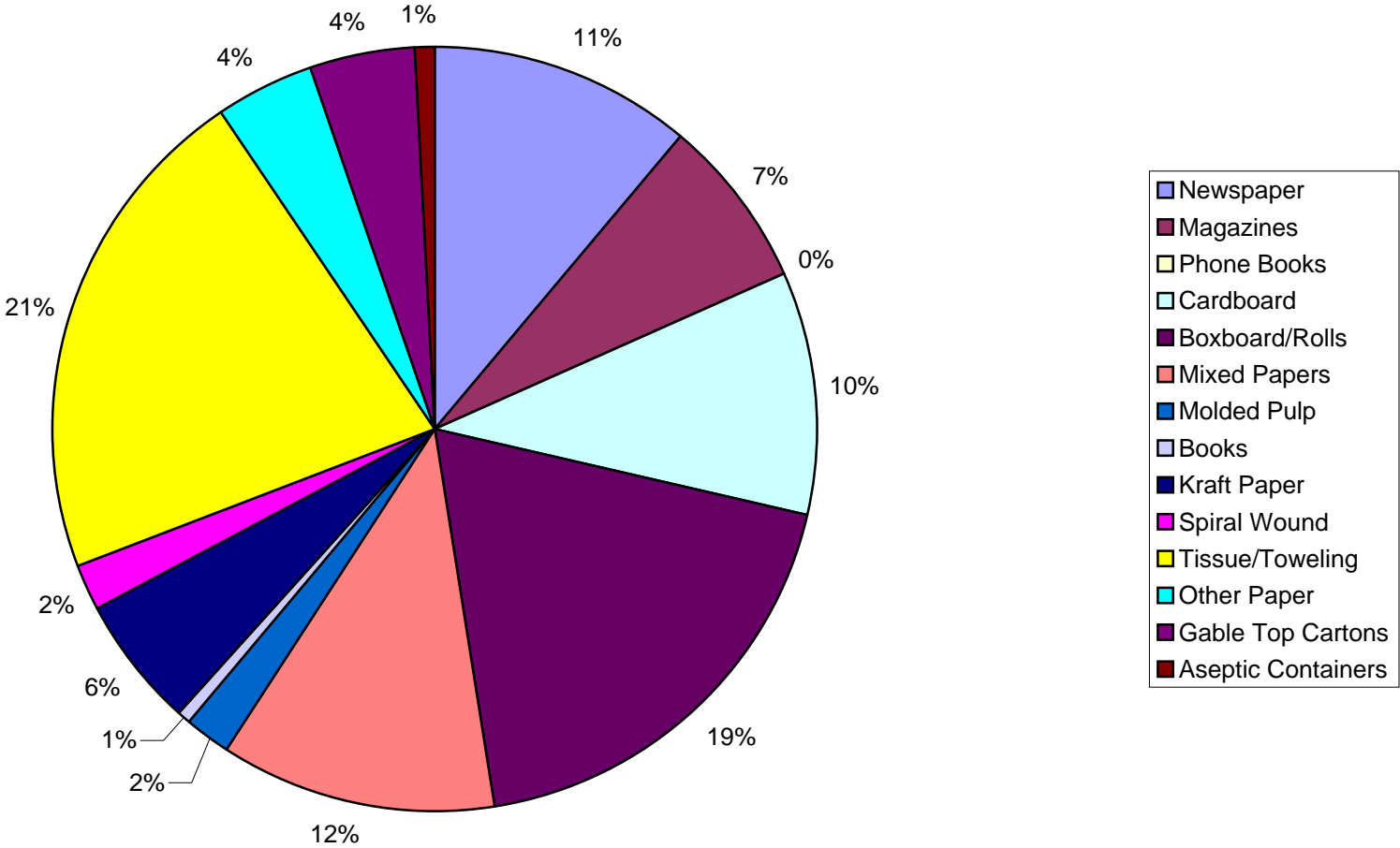
Metals in BlueBox: Exhibit #21



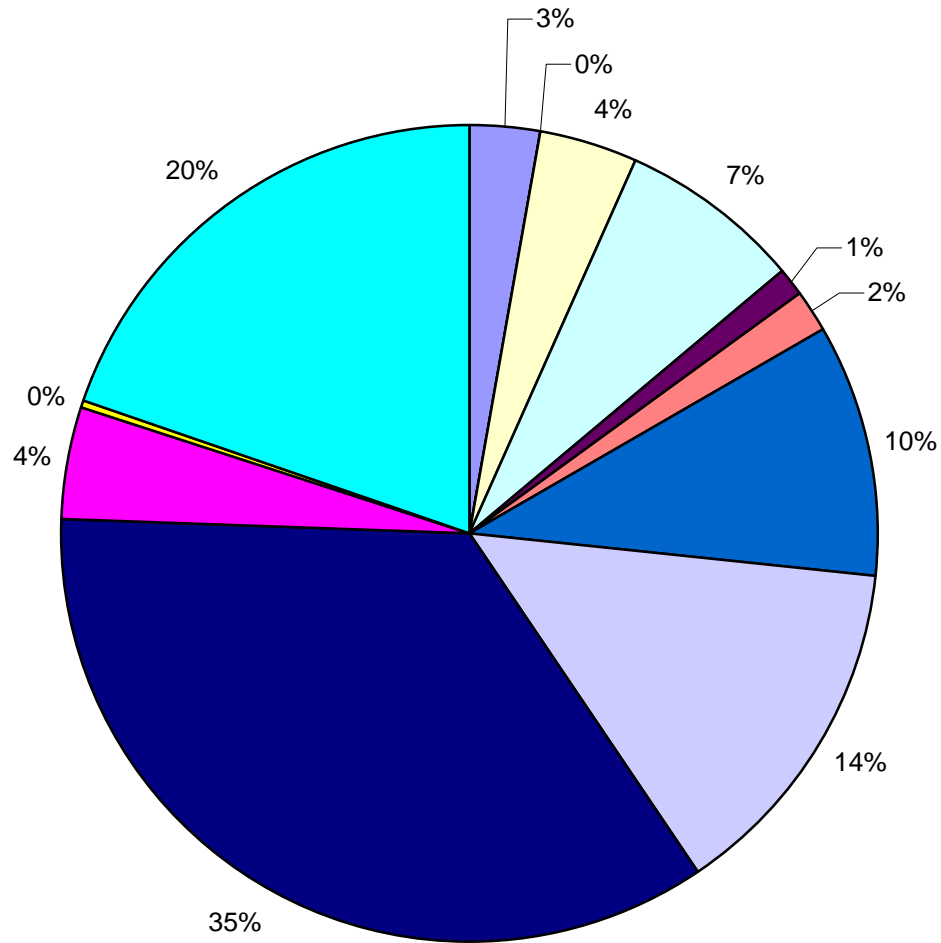
Glass in BlueBox: Exhibit #22



Paper Fibres in Garbage: Exhibit #23

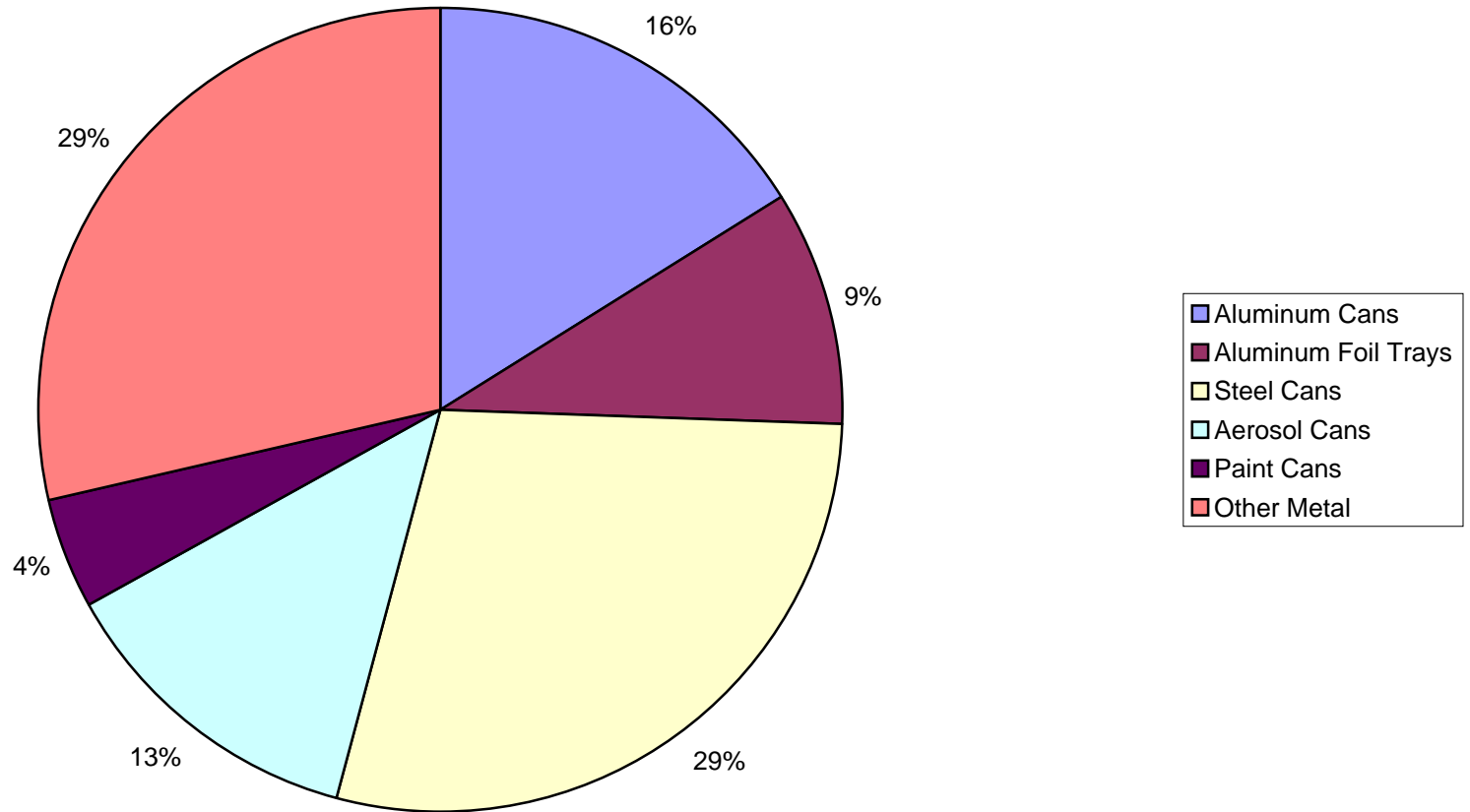


Plastics in Garbage: Exhibit #24

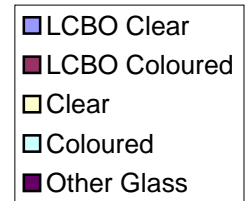
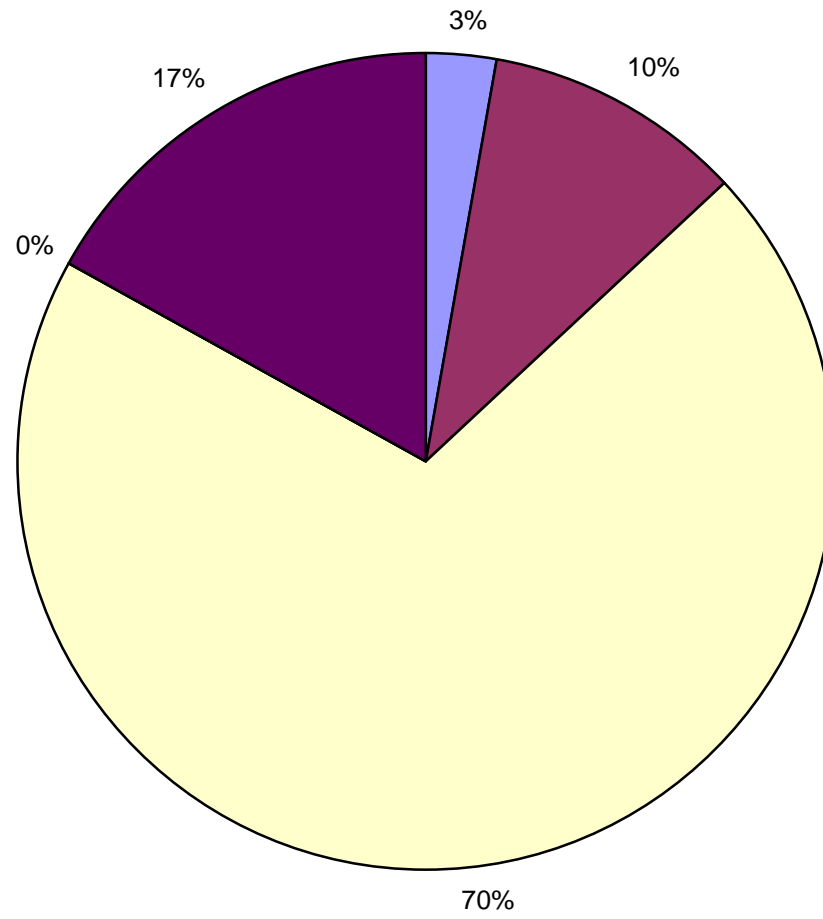


- PETE Soft Drink
- LCBO containers
- PETE Other
- HDPE bottles
- PVC
- LDPE & PP Bottles
- PS
- Recyclable Film
- Non-Recyclable Film
- Wide Mouth Tubs & Lids
- Other Containers
- Other Plastics

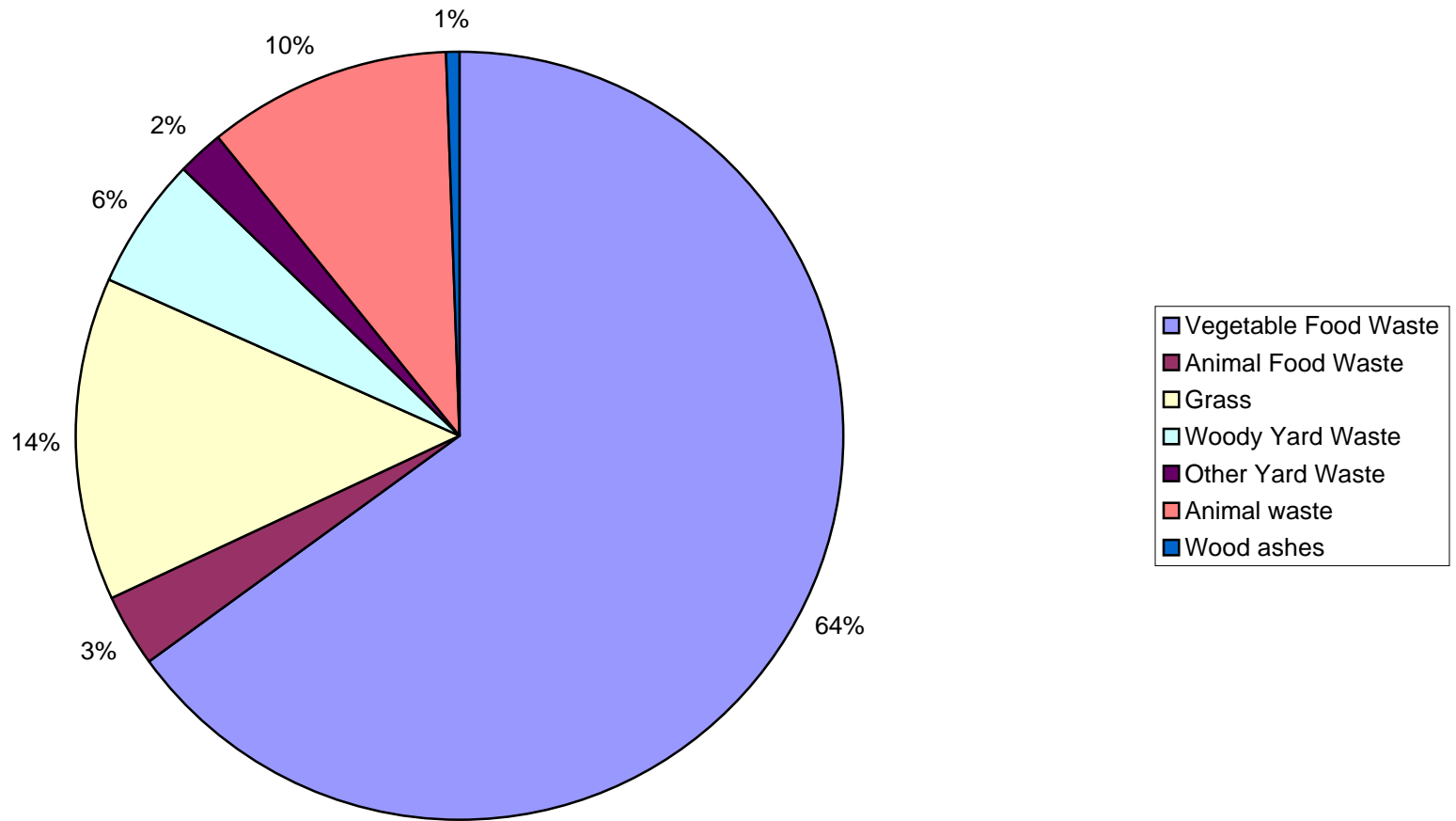
Metals in Garbage: Exhibit #25



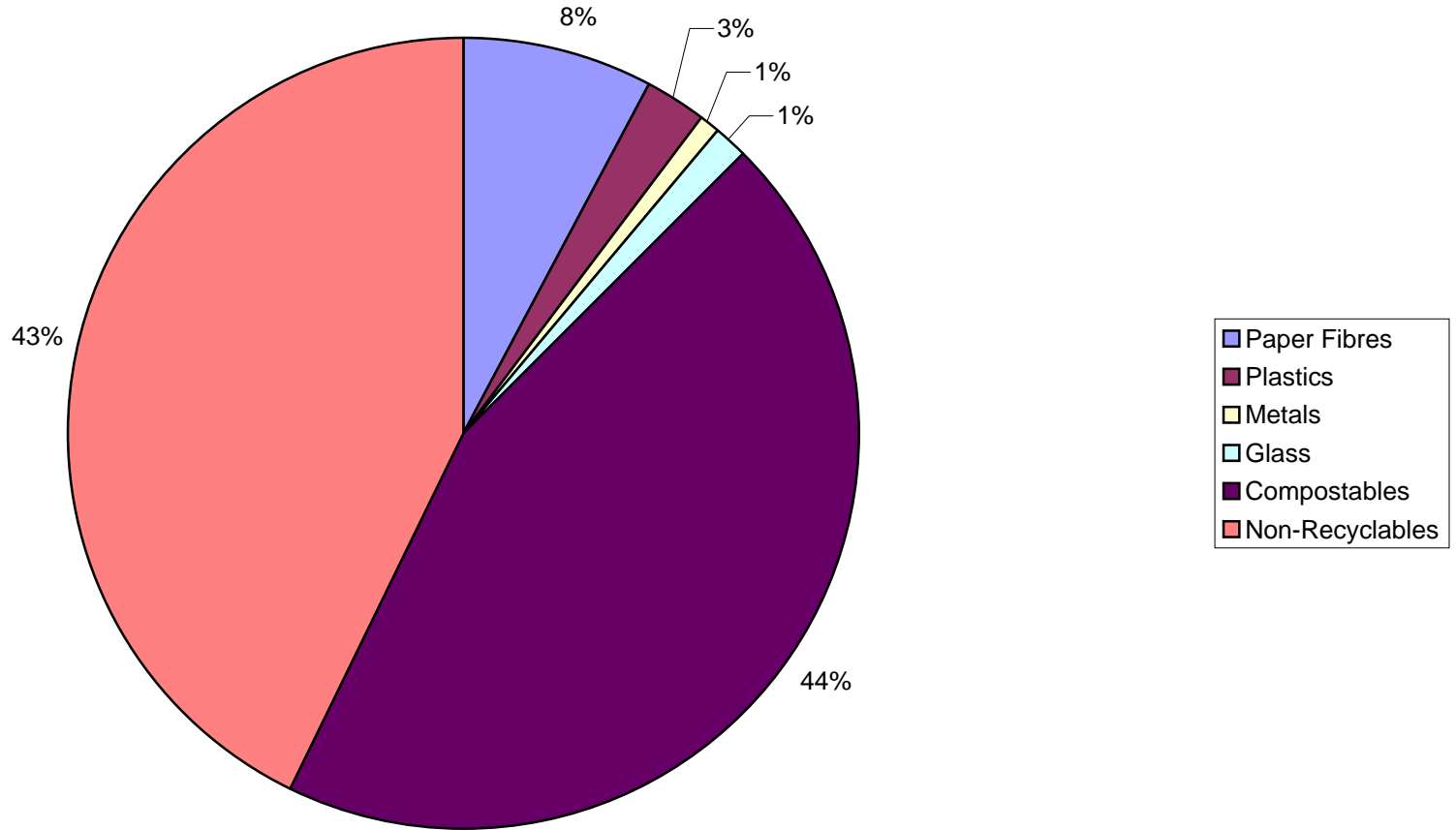
Glass in Garbage: Exhibit #26



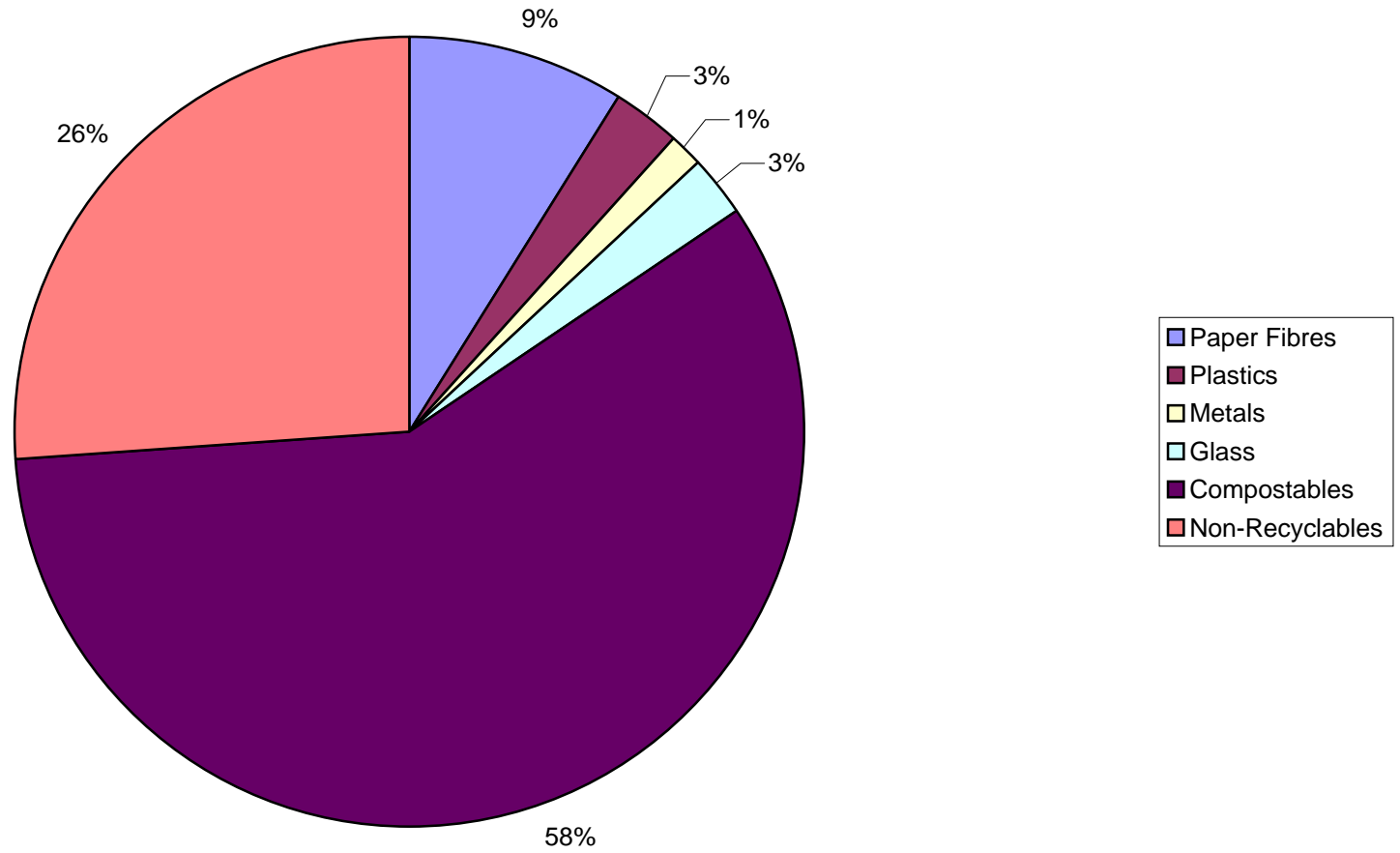
Compostables in Garbage: Exhibit #27



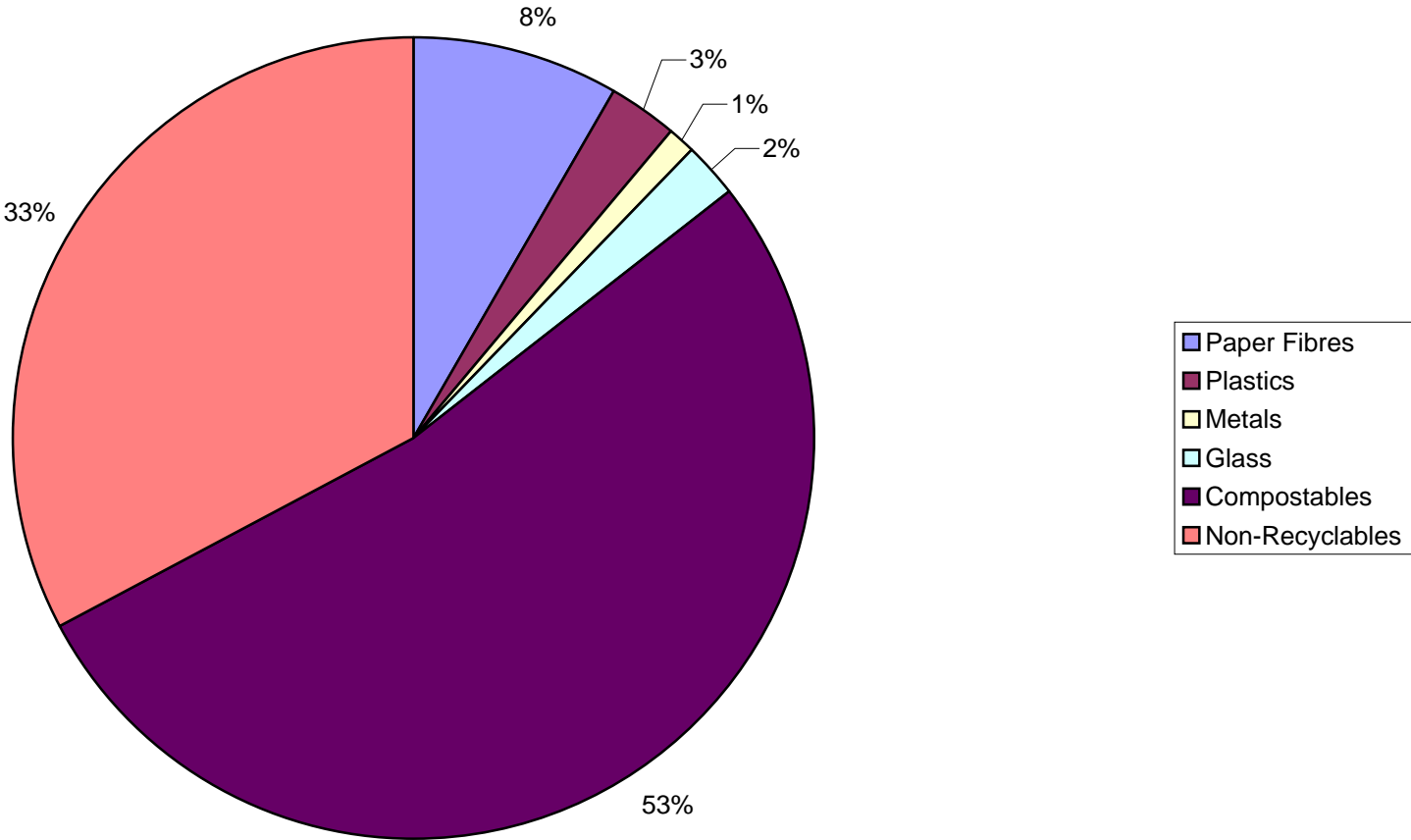
Recyclables in Garbage: McCormick & Glen Robertson Rd.: Exhibit #29



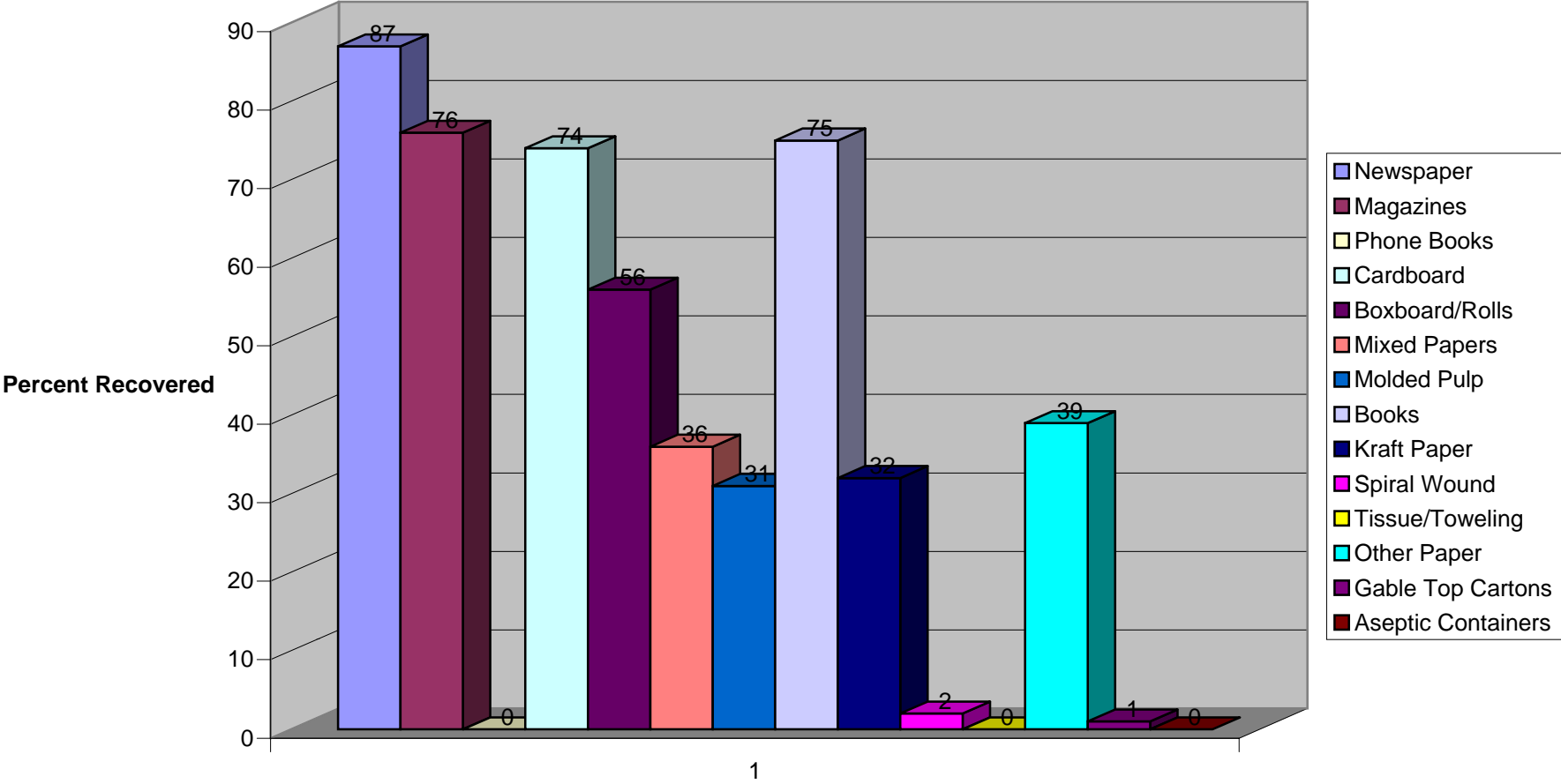
Recyclables in Garbage: MacDonald Blvd.: Exhibit #30



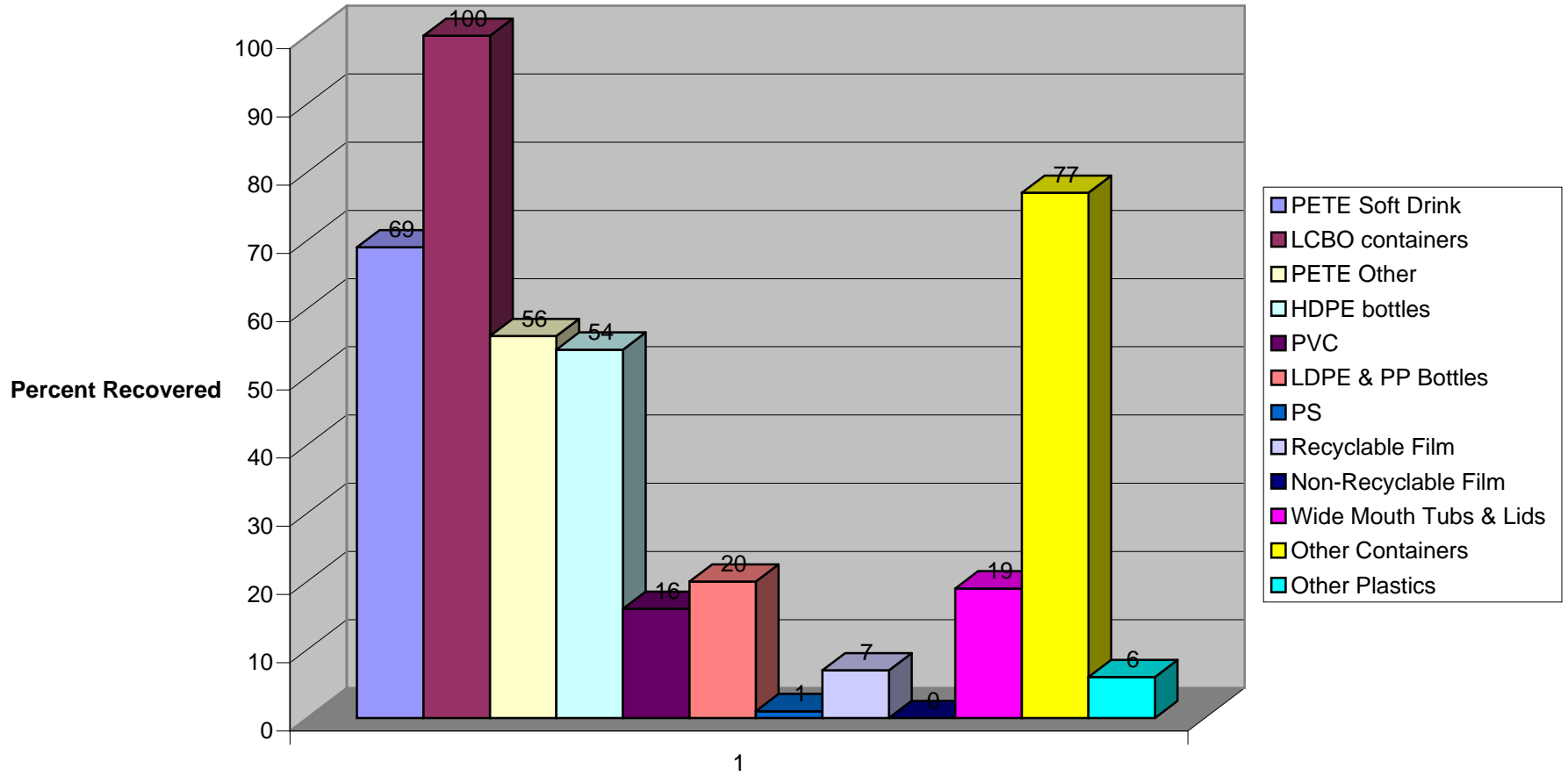
Recyclables in Garbage for North Glengarry: Exhibit #31



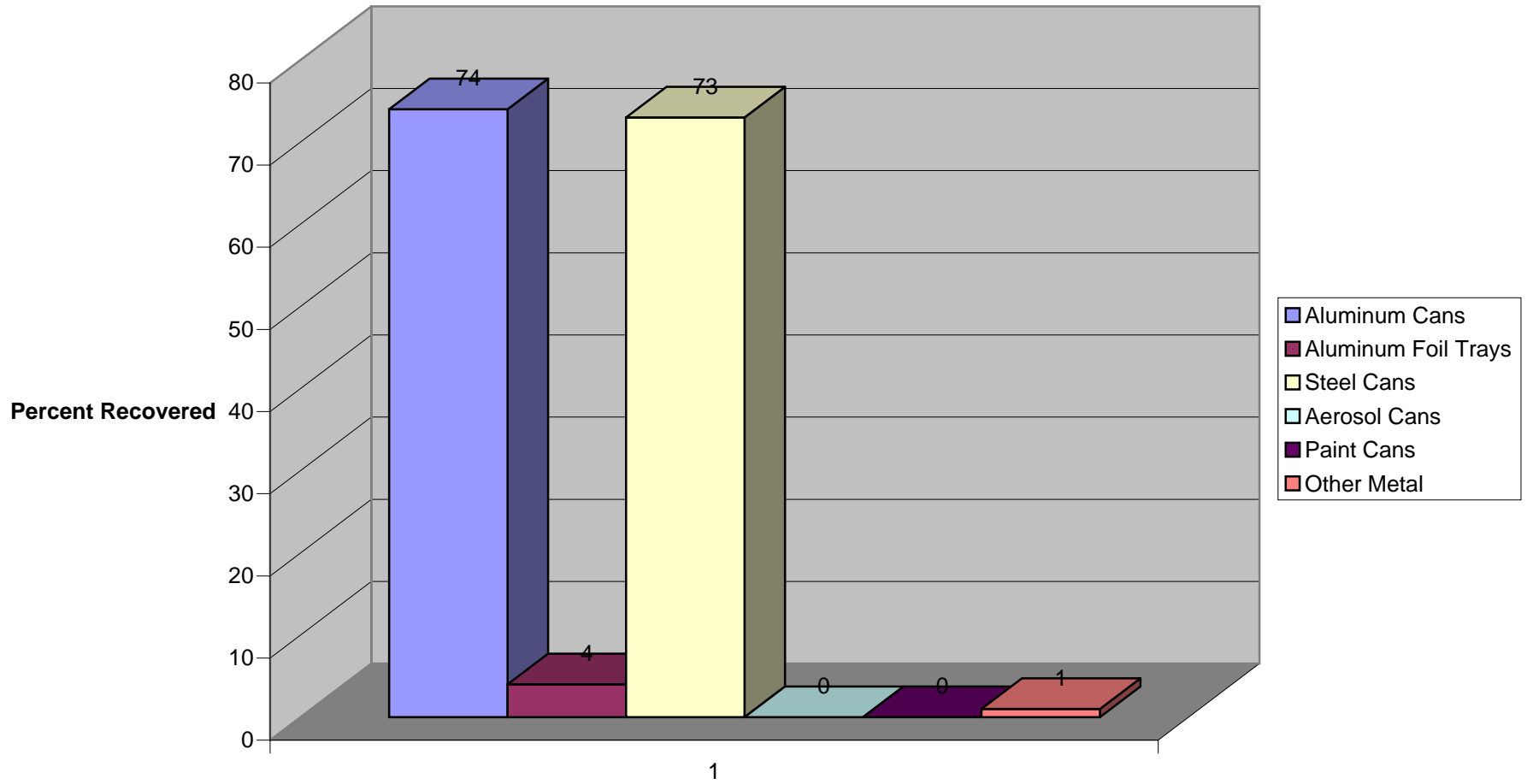
Blue Box Recovery Rate for Paper Fibres: Exhibit #32



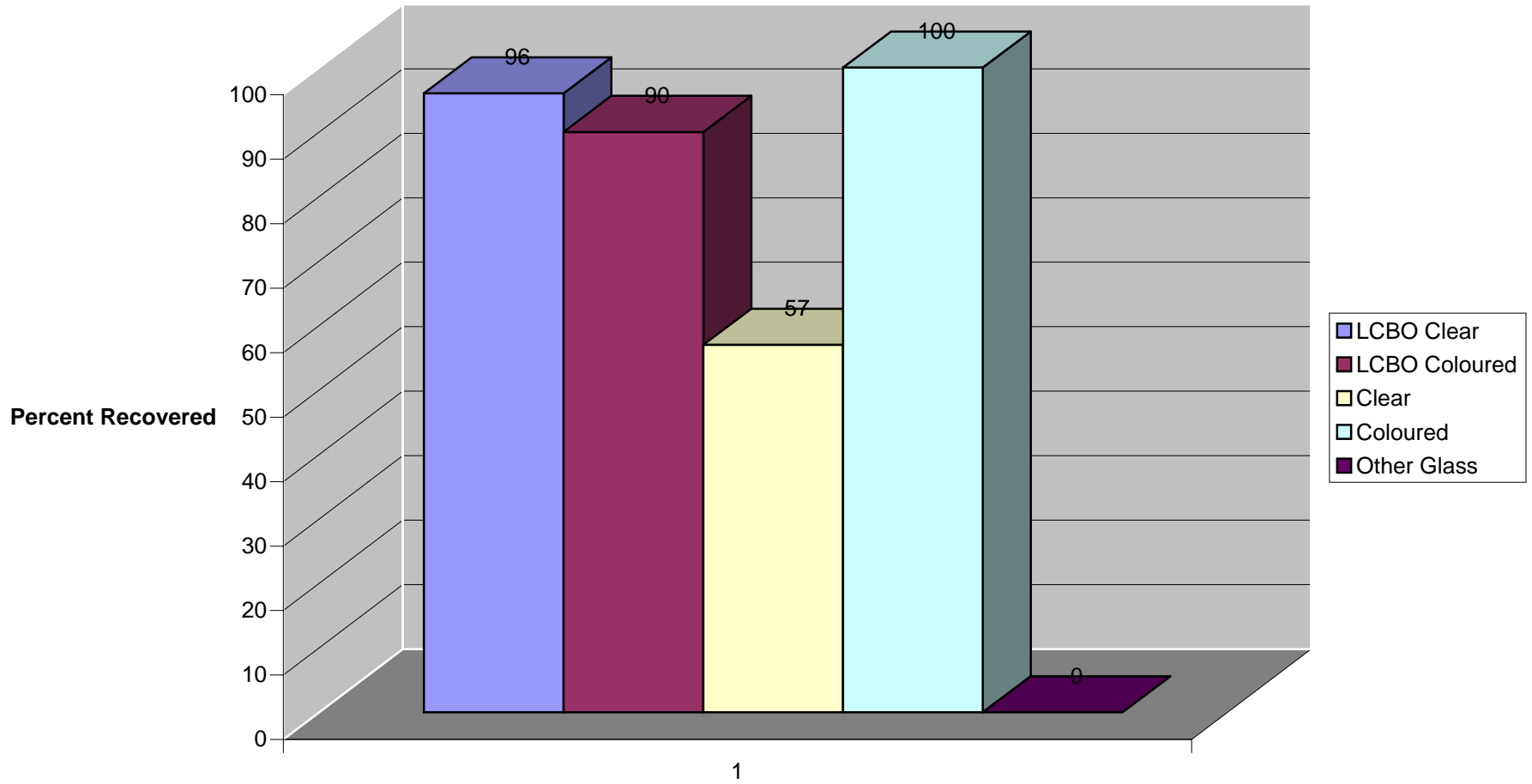
Blue Box Recovery Rate for Plastics: Exhibit #33



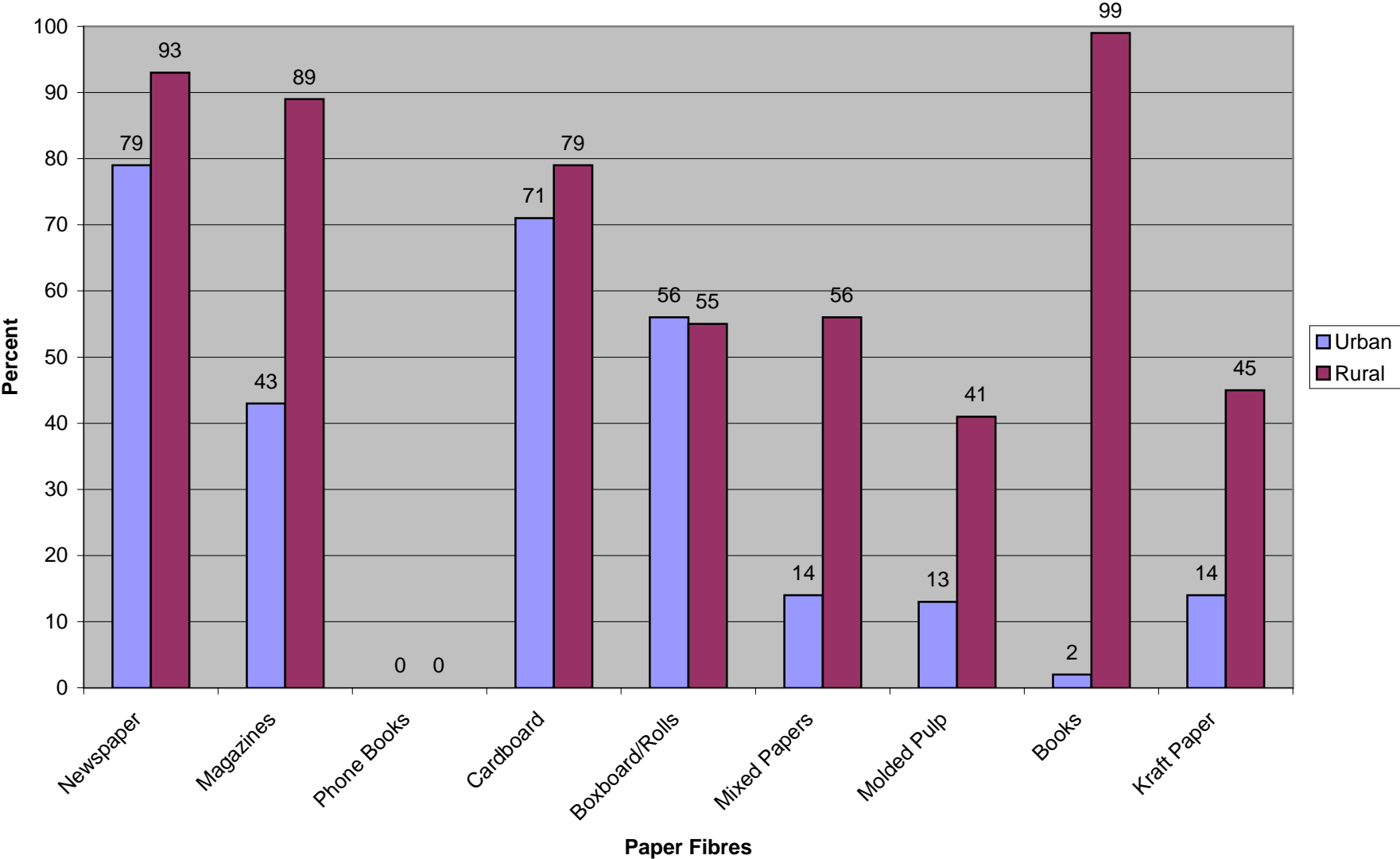
Blue Box Recovery Rates for Metals: Exhibit #34



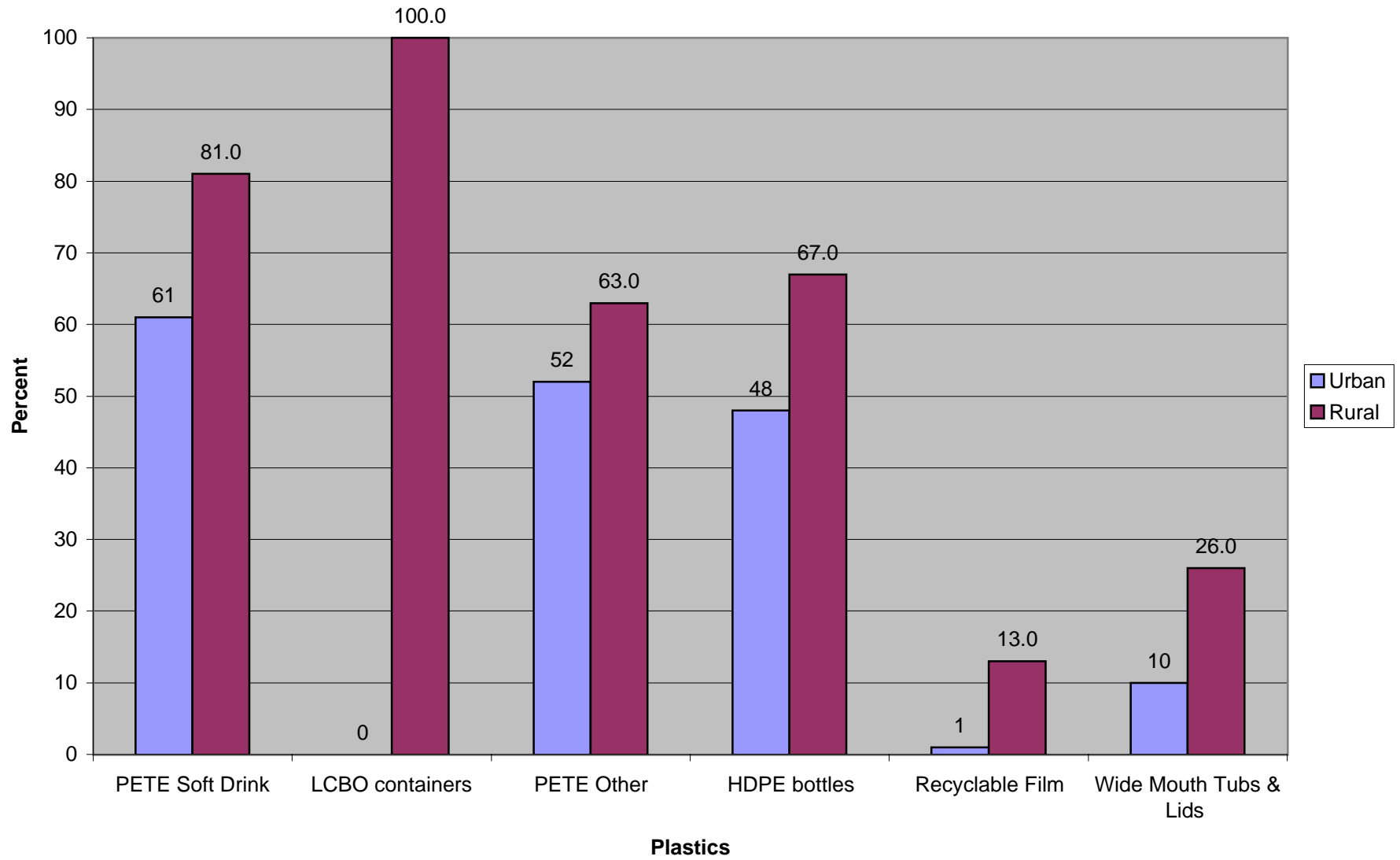
Blue Box Recovery Rate for Glass: Exhibit #35



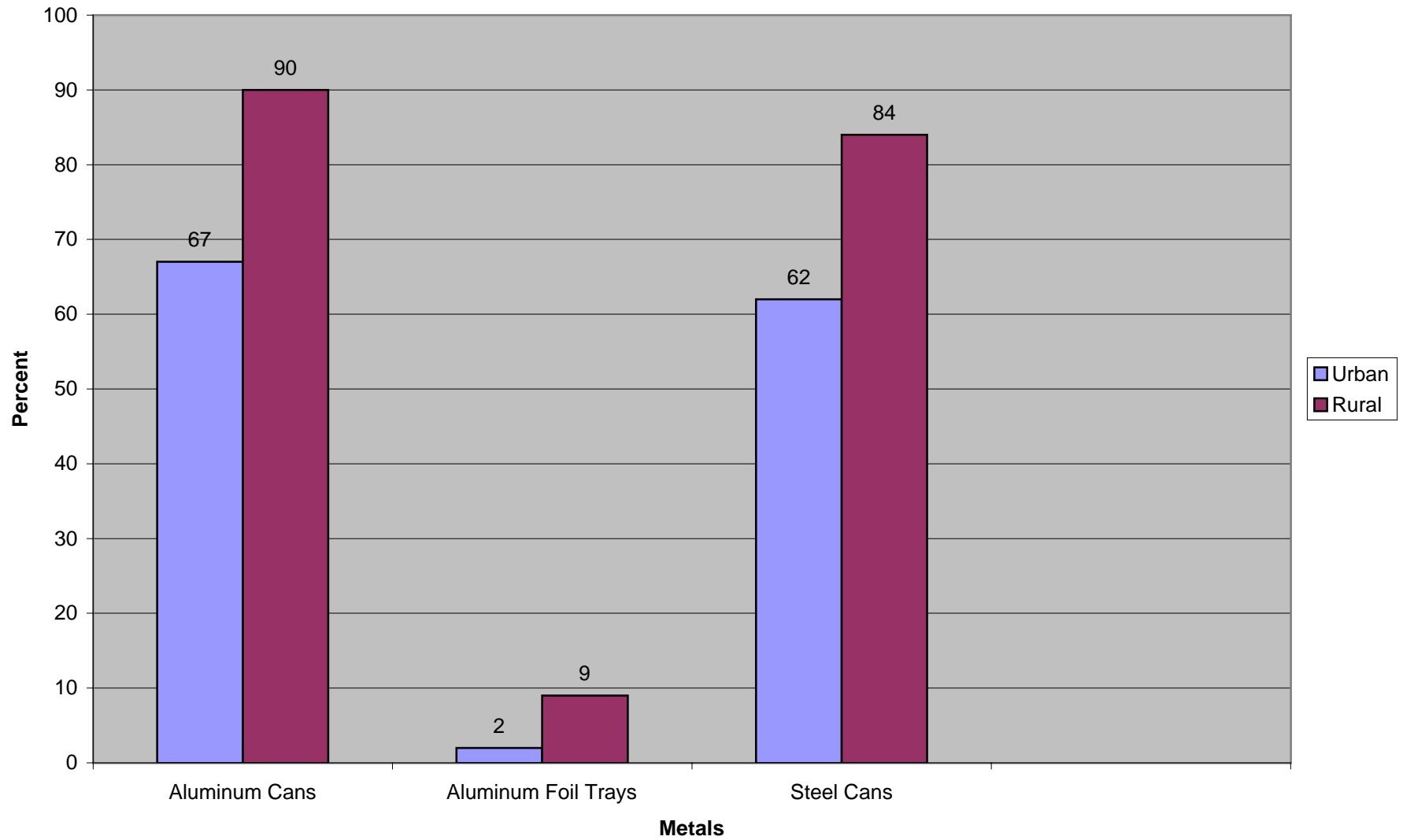
Comparison of Blue Box Recovery Rates for Paper Fibres: Exhibit #36



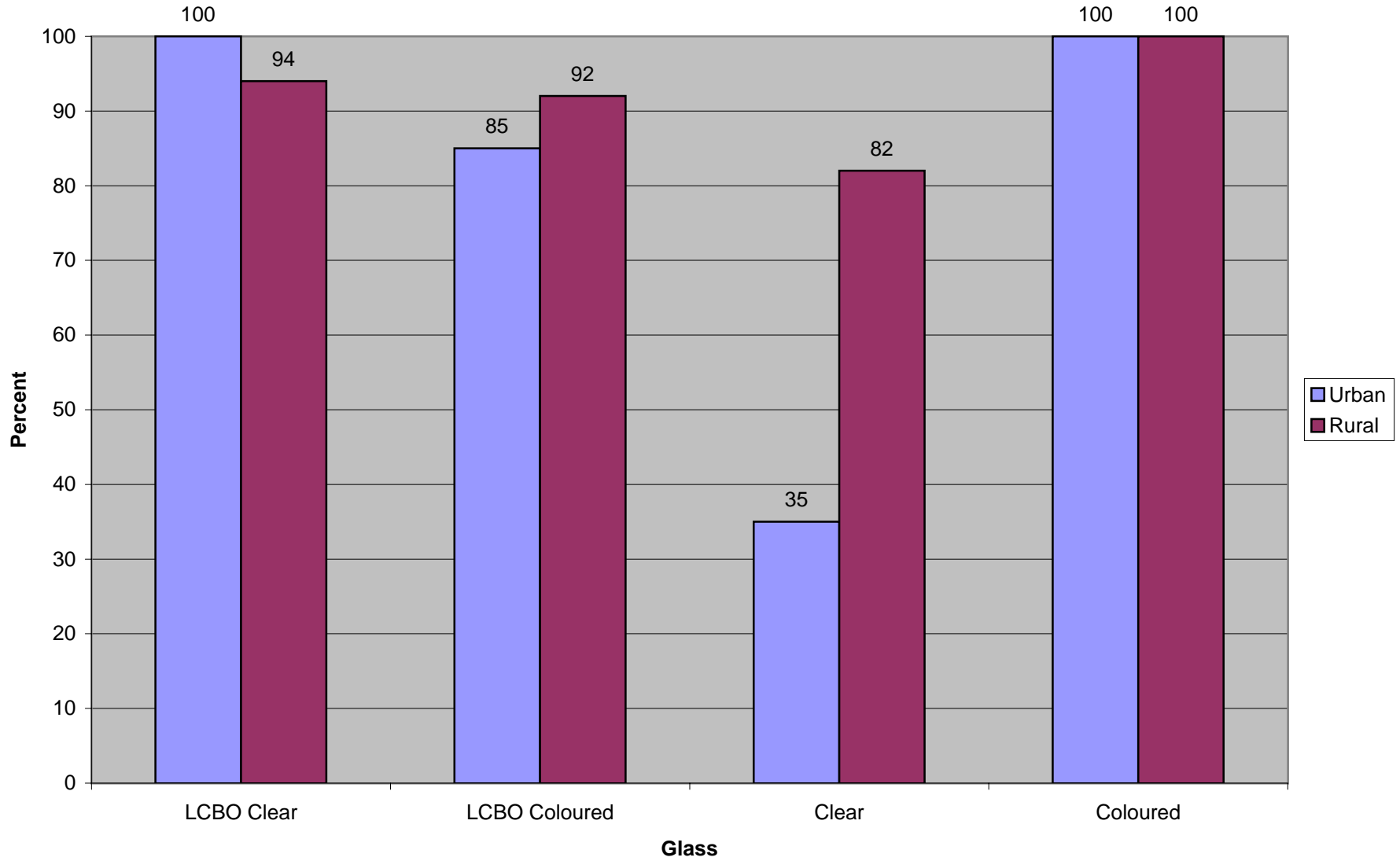
Comparison of Blue Box Recovery Rates for Plastics: Exhibit #37



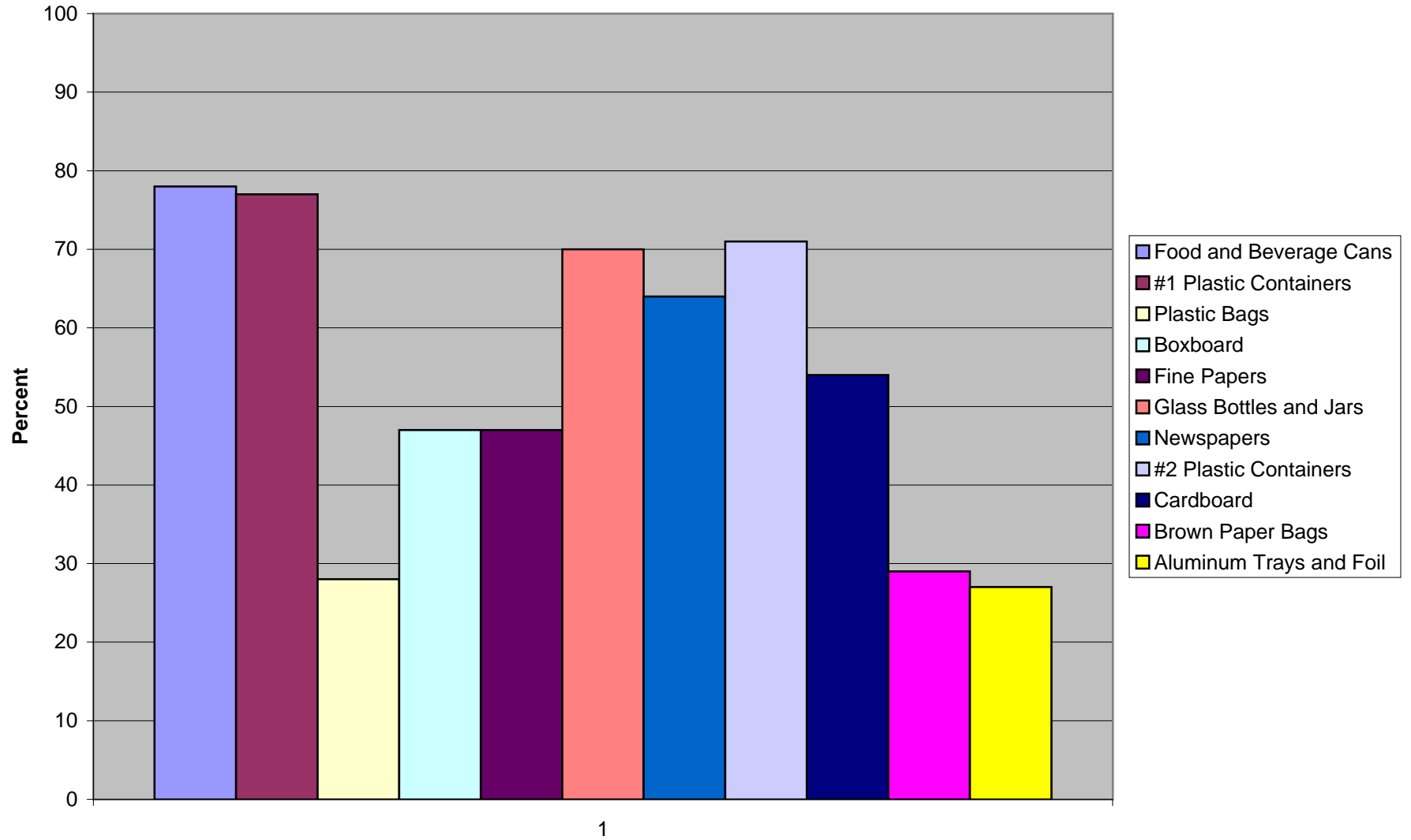
Comparison Of Blue Box Recovery Rates for Metals: Exhibit #38



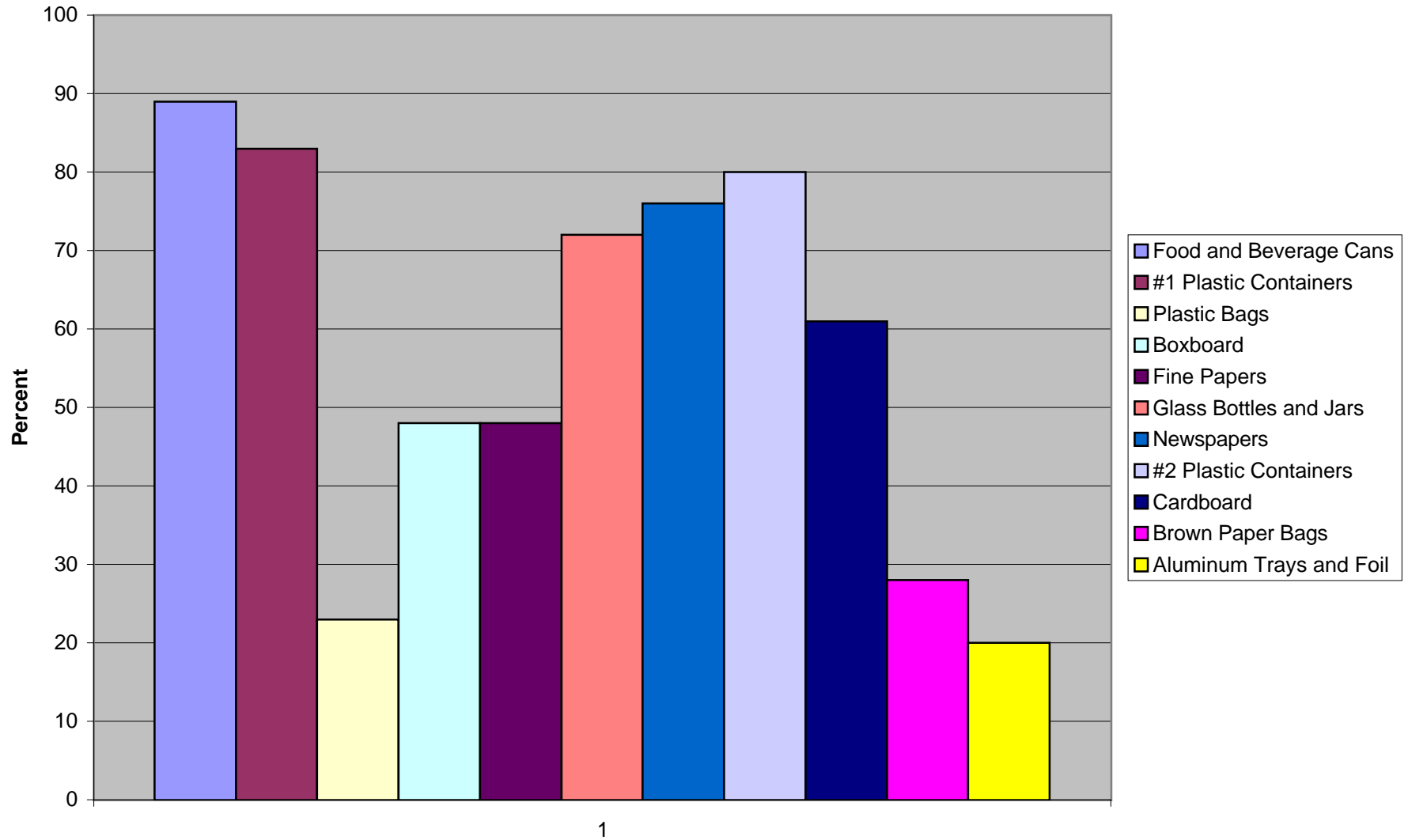
Comparison of Blue Box Recovery Rates for Glass: Exhibit #39



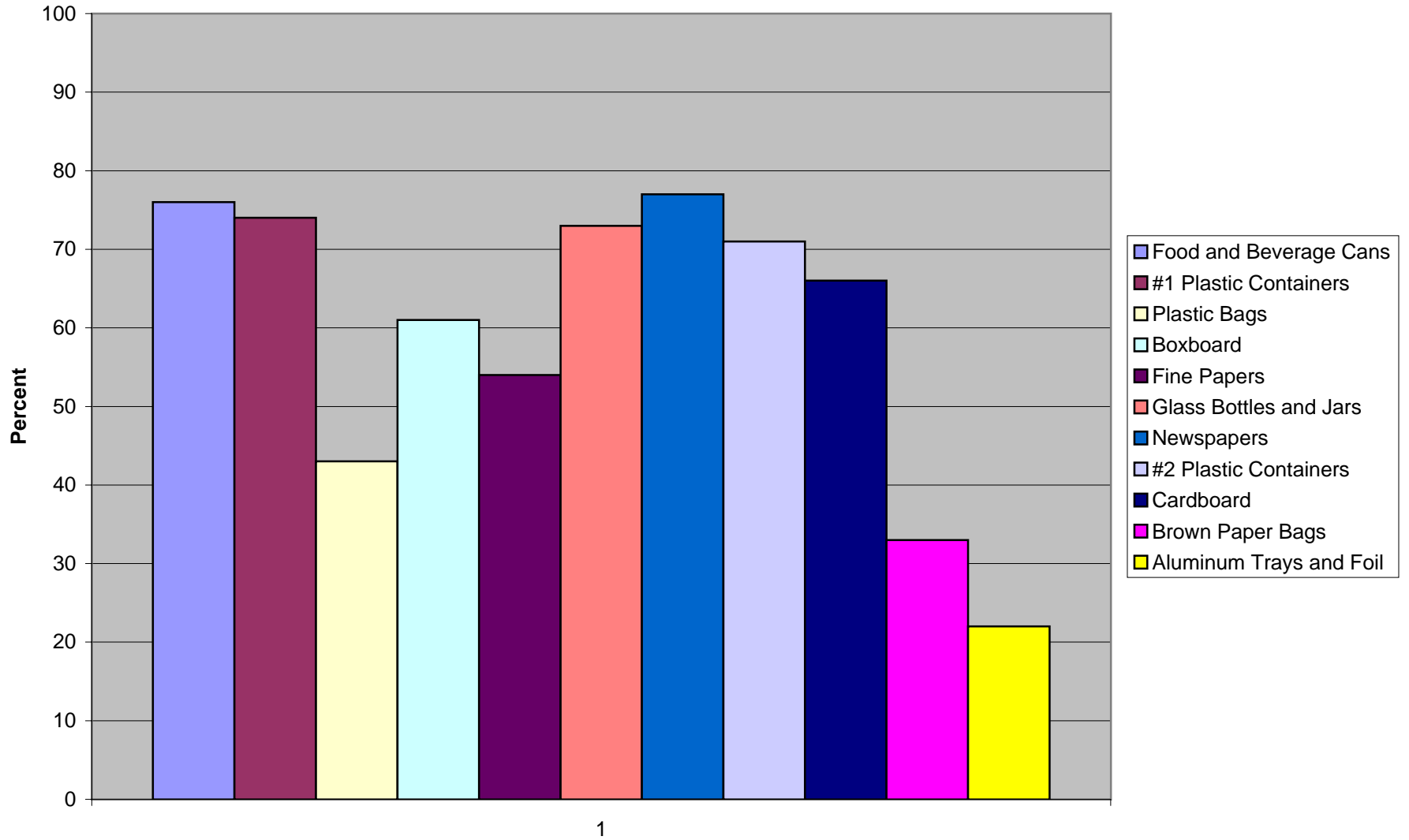
Recycling by Type for Lochiel: Exhibit #43



Recycling by Type for Maxville: Exhibit #44



Recycling by Type for Alexandria: Exhibit #45



Comparison of the Disposal of Grass Clippings: Exhibit #46

