

# Concordia 2012-2013 Waste Audit Results

---

**Drafted by:** Faisal Shennib, Environmental Coordinator

**Last Updated:** 2014-01-23

## Executive Summary

Concordia University conducts a waste audit each year to estimate the breakdown of its waste output with the goal of reducing unnecessary waste sent to the landfill. This serves **two purposes:**

- reducing Concordia's ecological impact related to manufacturing, transport, and disposal of materials
- reducing costs incurred by Concordia associated with landfilling

In 2006, Concordia was certified with the Quebec Government's ICI On Recycle program for reaching a diversion rate<sup>1</sup> of 66%, above the targeted 65%. **Concordia's diversion rate was 56% in 2012-2013.** ICI On Recycle currently awards **Bronze certification for 70% diversion.** Concordia could reach this target with some strategic operational changes and educational campaigns.

Conducting and analyzing the results of the waste audit each year allows for tracking of improvements, identification of problem areas, and making recommendations for educational focuses and infrastructure improvements. Some examples of **previously identified areas to improve** are:

- the need for more organic waste diversion at Concordia, which spurred the creation of Quebec's first institutional industrial compost program.
- the prevalence of coffee cups, bottled water, and other recyclable containers in Concordia's landfilled output.

The most recent waste audit results were based on the most comprehensive set of waste data to date. The **findings** showed that:

2012-2013 WASTE AUDIT FINDINGS
<b>Total landfilled waste decreased significantly</b> (by almost 10% this year, by 66 metric tonnes, from 763 to 697 tonnes). Waste per frequent campus user decreased from 23 kg/yr/capita to 21 kg/yr/capita.
Waste from hallway containers is the highest contribution to Concordia's landfill waste (84% of compactor waste – compactor waste is 85% of landfill waste so <b>hallway containers account for 71% of total landfill waste</b> ). <sup>2</sup>
Of the waste sent to landfills from hallway containers, <b>organics</b> are the highest proportion ( <b>43%</b> ) and <b>recyclable containers</b> are the second largest component ( <b>32%</b> )
<b>Paper compostable items</b> are the largest single component of waste sent to landfills ( <b>20%</b> of compactor waste). <b>Compostable food waste</b> is the second largest component ( <b>19%</b> of compactor waste) and <b>coffee cups</b> are the third largest component ( <b>10%</b> of compactor waste)

---

<sup>1</sup> Diversion rate is defined by Recyc-Quebec as the ratio of recovered materials over 90.5% of the total recoverable waste materials.

<sup>2</sup> This figure will decrease slightly with more data on bin types at Concordia, since data on laboratory, kitchenette, and other off-access locations were not available at the time of the audit.

# Methodology

## Waste Audit

### Sampling

Samples of trash were collected from various representative locations around both the downtown and Loyola campuses.

- It was assumed that bin type and location type were the two primary factors deciding the general usage and composition of the bin
- A total of 19 location types were identified. Each of those locations had a range of different bin types associated with them (between 3 and 11). A total of 112 possible permutations of bin types and location types were identified.<sup>3</sup>
- For this audit, the most common permutations of bin types and locations, as well as those assumed to contribute high masses of waste despite being low in numbers (such as cafeteria and kitchen bins) were selected for sampling. The entire list of identified bins can be seen in the section of the appendix entitled Bins Selected for Waste Audit.<sup>4</sup>
- Data on the number and types of bins in off-access locations such as laboratories, kitchenettes, trades workshops, etc. was not available for this audit. It is assumed that they do not contribute as much as public spaces such as hallways and cafeterias. These areas will be included in future bin inventories.

### Sorting

Every bag collected for the audit was weighed, whether it was sorted or not. Contents of the trash were sorted into 20 total categories, which are each part of 4 major categories.

- The major categories were recyclable containers (Plastic, Glass, Metal), recyclable paper, compostable organics, and non-recyclable/non-compostable trash.
- This was the first audit in which coffee cups (though still not their lids, which are plastic number 6) were considered to be recyclable, given recent changes in the treatment of coffee cups by the collection/sorting company Matrec
- Too few reusable items and electronic waste items were found to warrant having them as categories.
- After contents were sorted, the separate categories were weighed and the weights were recorded by hand onto printed spreadsheets.

### Waste Audit Data Analysis

Hand-recorded data was transferred to excel spreadsheets, verified for accuracy, and averaged by category.

- The accuracy of weighing was verified by comparing the total bag weight to the sum of the weights of the categories. Audit breakdowns that did not sum to approximately the total weight of the bag were not used in the analysis.
- Moisture contents of the items containing liquids were estimated and removed to more accurately represent the masses sent to the landfill after compacting.
- Mass distributions and overall masses for bins of the same category were averaged so that those results could be extrapolated using the number of bins in those categories on both campuses.

---

<sup>3</sup> This is indicative of a problem of standardization of bin types by location. Standardizing bin types by location will allow for better data analysis. It will also mean that the best bin options were used across both campuses, allowing for a more routine and less frustrating experience for users.

<sup>4</sup> The combinations of bin types and locations were determined from a database of bins and locations established in the past year. Although the data was not complete at the time of the audit, sufficient data was available to use to pilot the new methodology for extrapolating audit data. The database currently contains over 750 waste stations and lone bins. Further data collection will be conducted this year to complete the database, which is currently housed on an excel spreadsheet, but may be transferred to a database management software for simpler data manipulation.

## Total Waste Handled Information Retrieval

Overall landfill and recycling figures were compiled from records such as invoices and internal databases.

- Data was collected from invoices for landfilled compactor waste, scrap waste as well as invoices for recycled paper, container, palette, and electronic waste.
- Data was also collected from online databases (for compost) and from specific departments handling types of waste (Archives for confidential paper and Environmental, Health and Safety for hazardous waste).
- Any gaps in data were estimated using trends for the current year or previous year's trends.
- See the tab "Data Collection Instructions" on the centralized [waste data spreadsheet "Waste Stats"](#) for a detailed description of how total waste handled data was compiled.
- The overall figures for waste handled, waste normalized to population, as well as diversion rates, are listed in the chart "Summary of Concordia's Overall Waste Output between 2005 and 2013", shown below.

Summary of Concordia's Overall Waste Output between 2005 and 2013  
 Values in Metric Tonnes unless otherwise noted

	Waste normalized to population					Totals			Diversion			
	Full-time Equivalent Population (Recyclemania calculation)	Yearly Total Waste Handled Per Frequent User (kg/year/capita)	Yearly Trash Per Frequent User (kg/yr/capita)	Yearly Recycling Per Frequent User (kg/yr/capita)	Recycling containers, paper, cardboard per capita per week (Recyclemania)	Total Yearly Waste Handled	Trash Total	Recycling Total	ICI on recycle Diversion Rate	ICI On Recycle Goal	ICI Diversion without organic	Actual Yearly Diversion Rate
<b>Average</b>	31,739.3	36.3	23.5	12.8	0.1	1,152.4	744.1	408.3	53%	71%	70%	35%
<b>2005-2006</b>	30,806	30.5	21.1	9.4	0.12	940.1	649.2	290.9	48%	65%	66%	31%
<b>2006-2007</b>	30,661	35.5	24.4	11.1	0.12	1,088.5	748.5	340.0	56%	65%	73%	31%
<b>2007-2008</b>	31,190	35.0	22.8	12.3	0.15	1,093.1	710.5	382.6	53%	65%	70%	35%
<b>2008-2009</b>	30,453	38.6	25.3	13.3	0.15	1,176.5	770.4	406.2	54%	65%	71%	35%
<b>2009-2010</b>	31,690	38.1	25.7	12.4	0.14	1,206.5	814.5	392.0	51%	80%	67%	32%
<b>2010-2011</b>	32,690	38.0	24.5	13.6	0.12	1,243.2	799.8	443.4	52%	80%	67%	36%
<b>2011-2012</b>	33,198	38.4	23.0	15.4	0.15	1,274.6	763.2	511.4	59%	80%	74%	40%
<b>2012-2013</b>	33,227	36.0	21.0	15.1	0.15	1,197.1	697.0	500.1	56%	70%	73%	42%

	Trash				Recycling Totals						
	Trash Total	Recoverable Trash	Compactor Trash	Scrap/Dry Waste	Recycling Total	PGM Total	Paper Total	Special Recycling Total	Organic	E-waste	Other
<b>Average</b>	744.1	431.9	583.7	160.4	408.3	30.1	292.5	0.8	25.8	13.5	45.5
<b>2005-2006</b>	649.2	378.0	520.1	129.1	290.9	8.8	241.7	3.6	1.0	12.7	23.2
<b>2006-2007</b>	748.5	334.9	460.8	287.7	340.0	22.4	270.1	0.7	3.7	17.7	25.3
<b>2007-2008</b>	710.5	421.5	580.0	130.6	382.6	28.3	314.6	1.6	3.2	10.8	24.1
<b>2008-2009</b>	770.4	418.1	575.3	195.1	406.2	34.0	312.3	0.0	22.2	13.4	24.1
<b>2009-2010</b>	814.5	461.5	635.0	179.5	392.0	35.2	287.9	0.0	30	14.7	24.1
<b>2010-2011</b>	799.8	500.9	689.2	110.6	443.4	36.4	270.6	0.8	38.5	11.2	85.9
<b>2011-2012</b>	763.2	447.7	616.0	147.2	511.4	37.8	327.1	0.1	47.9	16.6	81.8
<b>2012-2013</b>	697.0	492.6	593.5	103.5	500.1	37.8	315.5	0.0	60	11.1	75.7

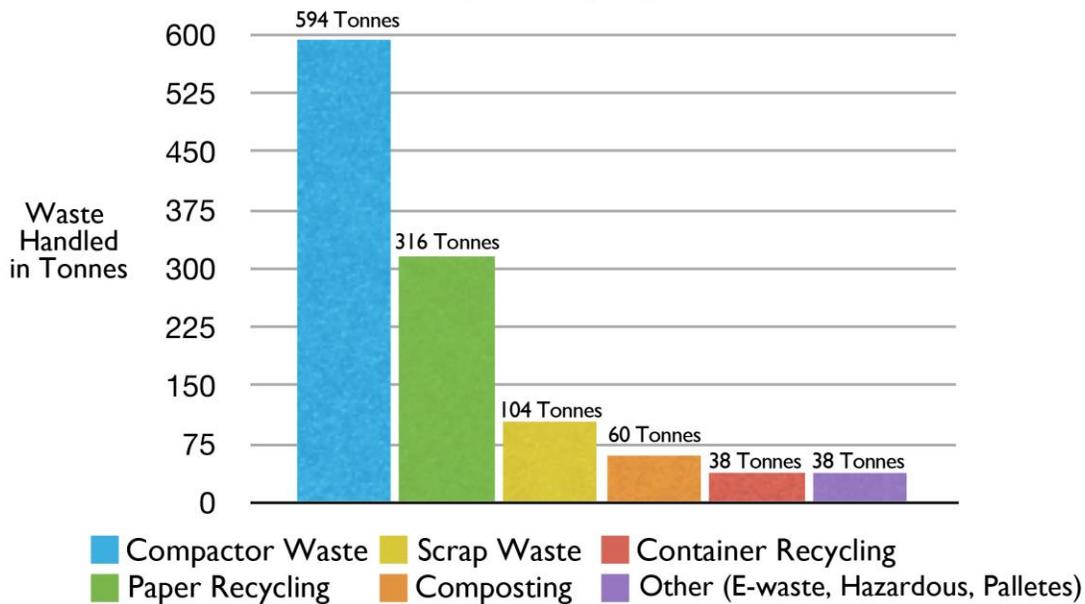
## Extrapolation

Data from the waste audit as well as from invoices was combined in order to estimate the total amount of recyclable and compostable material being sent to landfills.

- Given the predominance of landfilled waste generated from bins at Concordia that is sent to compactors (see chart below), auditing and extrapolation was only applied to this portion of the waste stream.

## Waste Output at Concordia by Category: 2012-2013

### Waste Output at Concordia by Category: 2012-2013\*



\*This data was collected from invoices for collected waste and recycling, as well as from internal records of organic waste entered into the Loyola composter.

- Average masses for bin categories were multiplied by the number of bins on both campuses for each category to determine the overall proportion of mass contributed by each category at Concordia.

## Calculations of Overall Proportion of Mass by Bin Category

Bin Type	Location Type	Total Mass (kg)	Bags Weighed	Average Bag weight Per Day (kg)	Number of Bins on Campuses	Total estimated Weight Per Day (kg)	% of total trash bin weight	% weight by location type
Zero Waste Island	Hallway	8.4	3	2.8	13	36.4	5%	
Waste Island	Hallway	29.2	18	1.6	265	429.9	64%	
Trash Only	Hallway	0	0	2.1*	48	101.2	15%	84%
Trash Only	Bathroom	0	0	0.5*	75	37.5	6%	6%
Trash Only	Cafeteria	42.1	11	3.8	3	11.5	2%	
Waste Island	Cafeteria	1.3	1	1.3	3	3.9	1%	
Zero Waste Island	Cafeteria	18.1	7	2.6	4	10.3	2%	5%
240L Zero Waste Island	Kitchen	109	19	5.7	3	17.2	3%	3%
Trash Only	Classroom	26.36	20	1.3	16	21.5	3%	3%
Blue Bin and Trash	Office	0.661	4	0.2	33	5.5	1%	1%

\*For categories in which data was not available due to logistical errors in sample collection, average weights were calculated from audits of previous years.

The mass percent breakdown for each bin category was multiplied by the percent of mass contributed to the overall landfilled compactor waste. The resultant breakdowns were summed to generate a breakdown of waste that more accurately represents the entire University's compactor waste output.

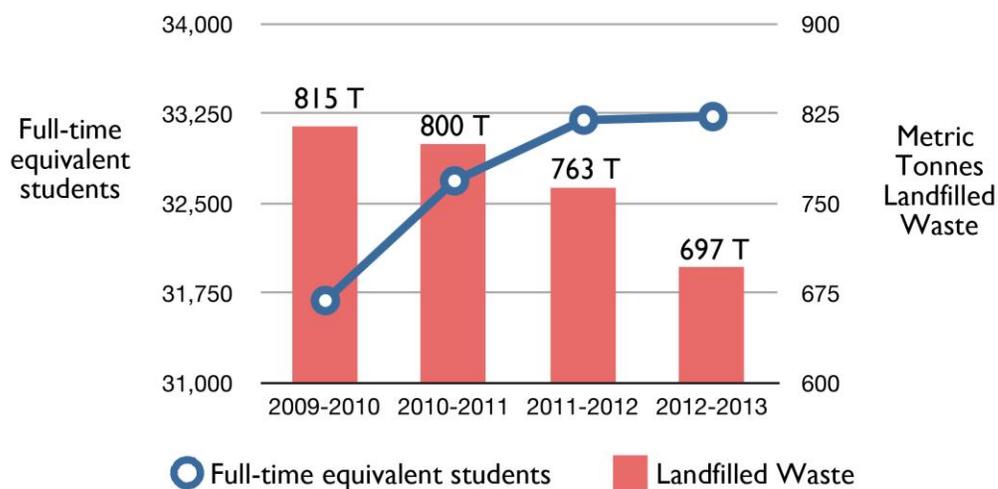
### Compactor Waste Breakdown by Bin Location and Bin Type

		Recyclables and Compostables																		Non-Recyclable	
		Containers											Paper & Cardboard			Organics					
		Plastic				Metal		Glass		Waxed			Cardboard			Nitrogen			Carbon-rich		
Location	Bin	% of total campus trash bin weight	Refundable	Recyclable	Garbage Bags	Bottled Water	Refundable	Recyclable	Refundable	Recyclable	Tetra paks & Waxed	Coffee Cups	Cardboard	White paper	Mixed paper	Raw Food	Cooked Food	Meat/Dairy			
Hallway	Zero Waste Island	5.4%	5%	8%	5%	0%	0%	1%	0%	6%	3%	7%	2%	3%	1%	12%	7%	0%	17%	5%	19%
	Waste Island	63.7%	0%	6%	8%	1%	0%	1%	0%	2%	5%	10%	3%	0%	5%	21%	3%	0%	19%	8%	10%
	Trash Only	15.0%	0%	9%	6%	1%	0%	2%	0%	4%	6%	10%	1%	0%	4%	25%	3%	0%	14%	8%	8%
Bathroom	Trash Only	5.6%	0%	0%	6%	0%	0%	6%	0%	0%	0%	15%	0%	10%	11%	0%	0%	0%	47%	5%	0%
Cafeteria	Trash Only	1.7%	8%	5%	7%	0%	0%	2%	0%	0%	4%	8%	0%	0%	5%	9%	8%	1%	29%	8%	5%
	Waste Island	0.6%	5%	8%	5%	0%	0%	1%	0%	6%	3%	7%	2%	3%	1%	12%	7%	0%	17%	5%	19%
	Zero Waste Island	1.5%	7%	9%	0%	0%	0%	1%	0%	7%	3%	8%	2%	4%	5%	9%	9%	0%	19%	4%	11%
Kitchen	240L Zero Waste	2.6%	0%	3%	6%	1%	0%	5%	0%	1%	1%	2%	4%	0%	1%	21%	7%	2%	29%	5%	12%
Office	Blue Bin and Trash	0.8%	0%	12%	0%	0%	0%	0%	0%	0%	0%	10%	4%	0%	16%	19%	6%	0%	18%	8%	6%
Classroom	Trash Only	3.2%	0%	9%	6%	1%	0%	2%	0%	4%	6%	10%	1%	0%	4%	25%	3%	0%	14%	8%	8%
AVG		0.6%	6.5%	7.3%	0.5%	0.0%	1.2%	0.0%	2.3%	4.3%	9.5%	2.3%	0.8%	4.9%	19.3%	3.4%	0.2%	20.1%	7.4%	9.3%	
		14.9%				1.2%		2.3%		13.8%			8.0%			22.9%			20.1%	16.7%	
		32.2%											8.0%			43.0%				16.7%	

## Analysis of Results

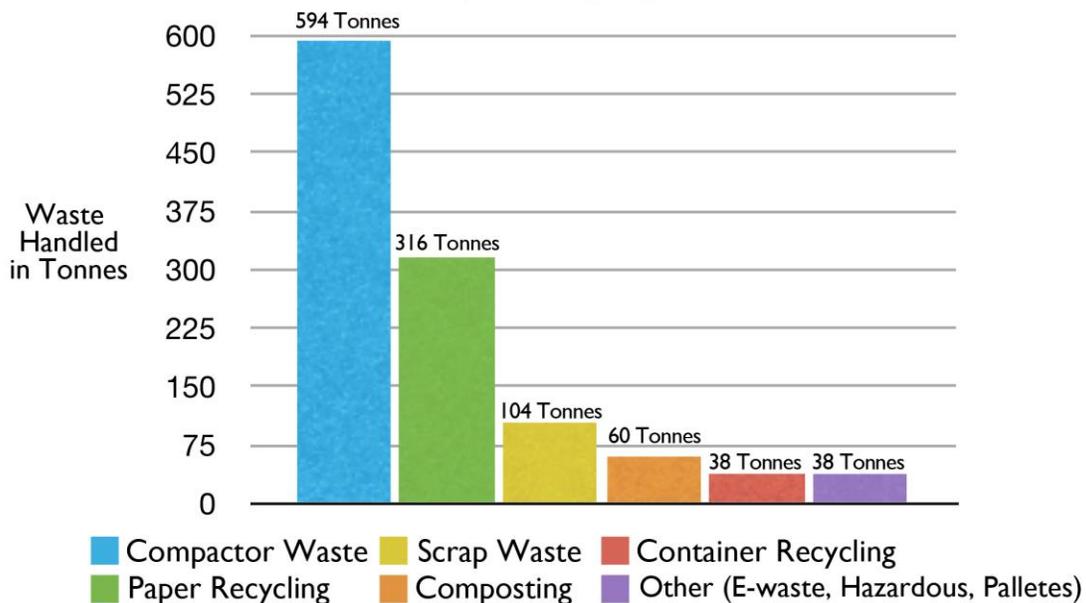
The total trash that Concordia sent to the landfill in 2012-2013 **dropped almost 10% this year, by 66 metric tonnes, from 763 to 697 tonnes**. This can be explained by an increase in organic waste composted this year, from 50 tonnes to 60 tonnes, as well as a reduction in scrap materials sent to the landfill (147 to 104 metric tonnes). The diagram “Total Landfilled Waste by Year vs Full-time equivalent students at Concordia” (below) shows that landfilled waste has been steadily decreasing each year, despite an increase in student population per year.

### Total Landfilled Waste by Year vs Full-time equivalent (FTE) students at Concordia



The majority of landfilled waste from Concordia is compactor waste, as shown in the graph “Waste Output at Concordia by Category: 2012-2013”:

### Waste Output at Concordia by Category: 2012-2013\*

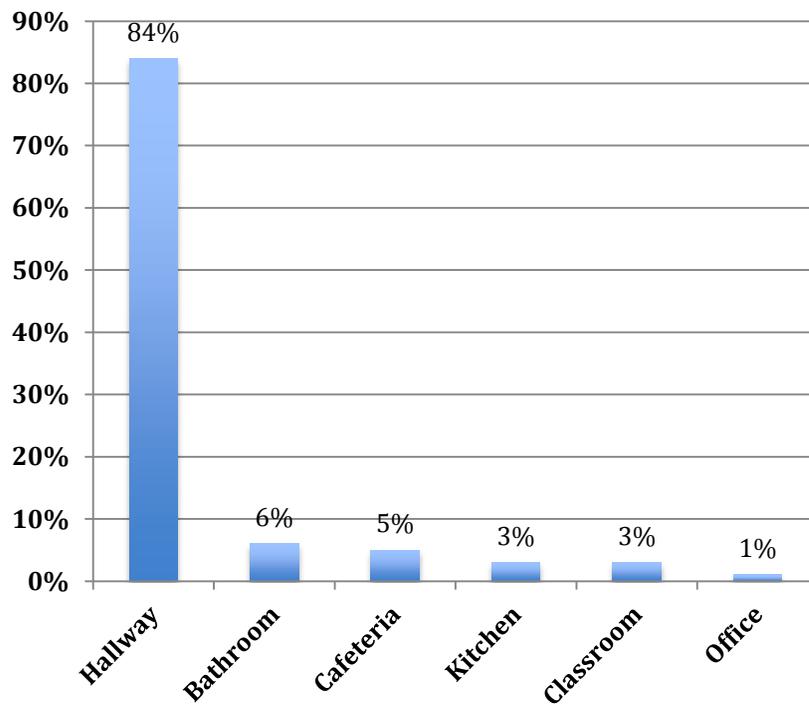


\*This data was collected from invoices for collected waste and recycling, as well as from internal records of organic waste entered into the Loyola composter.

**Hallway bins contribute the vast majority of landfilled compactor waste by mass from both campuses**, as shown in the chart “Mass Distribution of Trash Bin Contents by Location”.<sup>5</sup> Regular waste islands, without compost bins, make up the majority of the hallway bins (63% of total compactor waste, as shown in the breakdown chart above), so the audited breakdown for that bin and location type dominated the average results.

<sup>5</sup> As mentioned earlier, the figure of 84% contribution to compactor mass will likely decrease slightly with more complete information and auditing of off-access areas such as laboratories, trades workshops, kitchenettes, etc.

## Mass Distribution of Trash Bin Contents by Location: Results of 2012-2013 Concordia Waste Audit



The average breakdown for Concordia's compactor waste shows that 83% of that waste is recyclable or compostable. The largest component of the divertible waste is the 43% composed of organics, of which almost half is composed of paper and 32% is recyclable containers (plastic, glass, metal).

The "Concordia Compactor Waste: 2012-2013 Breakdown" pie chart shown below indicates that almost **half of the organics sent to the landfill at Concordia are carbon rich, soiled paper items** – napkins, paper towels, paper bags – from bathrooms and public bins (restaurants and cafes often give out paper bags and napkins and few people realize these can be composted).

**Food waste comprises the other half of the organics.** Hallway bins collect just enough apple cores and banana peels to create a significant amount of food waste when those numbers are repeated across all the hallway bins on both campuses.

Cafeterias still have a significant amount of food waste (and compostable paper items) in trashes despite the presence of compost collection bins. Kitchen trash bins also still contain a significant quantity of organics (50% of their trash content).

**Bottled water** numbers in the trash were extremely low this year at only 1% of total landfilled compactor waste. This is an indication that the restriction of bottled water sales from vending machine and educational activities around bottled water have helped reduce their consumption and/or their disposal in trash bins.

# Concordia Compactor Waste: 2013 Breakdown



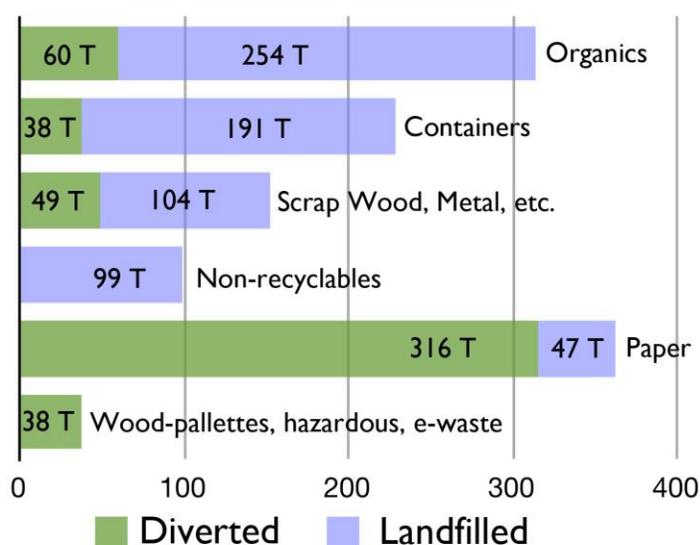
The average compactor breakdown was extrapolated to estimate the overall tonnes of each category sent to the landfill by multiplying the percentages by the Total Compactor Waste, as shown in the chart below. The amount of each category that contributes to Concordia's overall landfilled waste (which includes scrap materials) was calculated, to give perspective on how critical tackling the problem of Organics and Container recycling in public trash bins is to reducing Concordia's landfill output (**36% of overall landfill waste is Organics and 27% is Containers**).

## Compactor Waste Breakdown and Contribution to Total Concordia Landfill Waste

Masses in Metric Tonnes	Total Compactor Waste:	593 m.t.	Total Landfilled:	697 m.t.	
		% of Compactor Trash	Mass in Compactor Trash	% of All Landfilled	
<b>Total Trash</b>		17%	99	14%	
	Plastic Number 6	7%	44	6%	
	Non-recyclable composites	9%	55	8%	
<b>Total Recyclables</b>		83%	493	71%	
<b>Paper</b>	Total Paper Recyclables	8%	47	7%	
	Mixed Paper	5%	29	4%	
	White Paper	1%	5	1%	
	Cardboard	2%	14	2%	
<b>PGM and Cartons</b>	Total PGM and Cartons	32%	191	27%	
	Plastic	Total Plastic	15%	88	13%
		Refundable Plastic	1%	4	1%
		Recyclable Plastic	7%	39	6%
		Garbage Bags	7%	43	6%
		Bottled Water	1%	3	0%
	Glass	Total Glass	2%	14	2%
		Refundable Glass	0%	0	0%
		Recyclable Glass	2%	14	2%
	Metal	Total Metal	1%	7	1%
		Refundable Metal	0%	0	0%
		Recyclable Metal	1%	7	1%
	Waxed	Total Waxed	13.80%	82	12%
Tetra Paks and Waxed Cardboard		4%	26	4%	
Coffee Cups		10%	56	8%	
<b>Organic</b>	Total Organic	43%	254	36%	
	Nitrogen rich (raw)	19%	115	16%	
	Nitrogen rich (transformed)	3%	20	3%	
	Carbon rich	20%	119	17%	

The estimated overall mass quantities of landfilled materials were compared to the amounts recycled and composted (according to invoices and tracked data). The chart “Waste Diverted versus Landfilled at Concordia: 2012-2013 Breakdown” below shows that **Concordia excels in recycling Paper, Wood-pallettes, hazardous and electronic waste**. There is **still a significant amount of Organics, Containers, and Scrap materials that could be recycled**.

### Waste Diverted versus Landfilled at Concordia: 2012-2013 Breakdown



Only a small portion of Concordia's waste is Non-recyclable. This is a significant decrease from past figures for non-recyclables, due to the recent re-categorization of coffee cups as recyclable containers.

## Next Steps

Concordia will need to strategically address its waste diversion gaps through a combination of infrastructure and educational strategies. It is recommended that:

- **previous recommendations be revisited**, since they still apply, given the relative consistency of audit results.
- **best practices** at other similarly sized and located universities be examined and adopted, **along with innovative approaches** to tackle our unique diversion problems.

A best practice analysis is currently being undertaken. Past recommendations are listed in the table below:

## Past Waste Reduction Recommendations

Recommendation	Type	Origin	Potential Impact	Status
Adopt governmental waste reduction goals as official University objectives, as well as a near Zero-waste (90% diversion) university goal for 2020.	Targets	2010-2011 Concordia Waste Report, CCSA 2012	<u>High</u>	No action
Continue to conduct an annual solid waste audit to track the composition of our waste and find opportunities to manage it better	Auditing	CCSA 2006	Medium	Ongoing
Require Digitized Data Provision from Waste Collection Companies	Auditing	2010-2011 Concordia Waste Report	Medium	No action
Compile complete list of bin locations on both campuses	Auditing	2010-2011 Concordia Waste Report	Medium	Ongoing
Auditing of Major Events	Auditing	2010-2011 Concordia Waste Report	Medium	No action
Identify cost savings of Waste Reduction Projects to fund further waste reduction initiatives.	Finance	CCSA 2012	<u>Very High</u>	In Progress
Include Waste Reduction Clauses in RFPs and Contracts for Space Rentals on Campus and Food Service Providers	Source Reduction	2010-2011 Concordia University Waste Report, CCSA 2012	<u>Very High</u>	In Progress
Continue to give presentations on recycling and R4 services for new campus members	Education	CCSA 2006	Medium	Sporadic
Integrate educational campaigns with UCS services	Education	2010-2011 Concordia Waste Report	<u>High</u>	Ongoing
Create focused Educational Campaigns on Key Issues (Organics, Recyclables, E-waste)	Education	2010-2011 Concordia Waste Report, 2013-2014 Waste Education Program	<u>High</u>	Ongoing
Implement a 100-ton capacity composting facility on the Loyola campus	Organics	CCSA 2006	<u>High</u>	Complete
Expand Composting Capacity	Organics	2010-2011 Concordia Waste Report	<u>High</u>	In Progress
Begin collection of organics at events	Organics	2010-2011 Concordia Waste Report	Medium	In Progress
Establish Permanent Organic Bins in event spaces	Organics	2010-2011 Concordia Waste Report	<u>High</u>	No action
Begin and expand collection of organics in kitchenettes	Organics	2010-2011 Concordia Waste Report	Medium	In Progress
Create infrastructure for bathroom paper-towel composting or eliminate paper-towel dispensers	Organics	2010-2011 Concordia Waste Report	<u>High</u>	No action
Educate Community on Composting	Organics	2010-2011 Concordia Waste Report	<u>High</u>	Ongoing
Improve the recycling system by making it more accessible and widely used by improving signage	Containers/ Organics	CCSA 2009, CCSA 2012	<u>High</u>	Ongoing
Test lids on Trash Bins	Containers/ Organics	CCSA 2012	<u>High</u>	No action
"Ban" or Phase out Bottled Water at Concordia University	Containers	Environmental Advisory Committee	Medium	In Progress
Decrease use of Disposable Coffee Cups on Campus	Containers	Environmental Advisory Committee	<u>High</u>	In Progress
Eliminate lone trash bins inside buildings, Standardize Waste Stations and Expand Compost Collection	Containers	CCSA 2006, CCSA 2009, 2010-2011 Concordia University Waste Report, CCSA 2012	<u>High</u>	Ongoing
Eliminate lone trash bins in outdoor areas of campuses	Containers	2010-2011 Concordia Waste Report	Medium	No action
Create a policy for reuse and donation of equipment, track furniture reused on campus, Explore options for permanent furniture storage space	Furniture/EI electronics	2010-2011 Concordia Waste Report	Medium	In Progress
Ensure that all printing facilities are set to double-sided by default and eliminate printing of status pages	Paper	CCSA 2009	<u>High</u>	Implemented
Switch to 100% Purchase of 100% Recycled Paper	Paper	Environmental Advisory Committee	Medium	In Progress
Expand and promote electronic and special recycling on campus	E-waste	CCSA 2009	<u>High</u>	In Progress
Make construction and demolition waste diversion mandatory for all construction and renovation projects	Construction	CCSA 2009	<u>High</u>	In Progress

# Appendix

## Raw Audit Data

The following tables represent the mass distribution data collected during the waste audit for each category of bin and location type. Multiple bags were often collected from the same location representing the same bin/location combination. These bags were combined, sorted, and weighed together to simplify the auditing process. This yields the same distribution result as sorting and weighing each bag separately and then averaging the results.

## Zero Waste Island / Hallway Audit Results

Day	Building	Type of Bin	Room Type	Room Number	Plastic					Metal		Metal		Waxed		Paper			Organics						
					Tallied Weight	Refundable plastic	Plastic	Garbage Bags	Bottled Water	Refundable Metal	Metal	Refundable glass	Glass	Waxed / Terra	Coffee cups	Cardboard	White paper	Mixed paper	Raw Nitrogen	Transformed Nitrogen	Meat	Carbon	Liquids	No. 6	Composites
MON	L B	Zero Waste Island	Hallway	LB Atrium	4.8	0.6	0.3		0.0		0.1		0.2	0.1	0.5			0.0	0.5	0.4	0.1	1.2	0.4	0.1	0.4
MON	L B	Zero Waste Island	Hallway	LB Atrium	3.1		0.2						0.4	0.1	0.2	0.2	0.3		0.3	0.5		0.3		0.1	0.5
TUE	L B	Zero Waste Island	Hallway	LB Atrium	5.5		0.4	0.5	0.0		0.1			0.1	0.2			0.0	1.3	0.3		0.8	0.4	0.3	1.1
				TOTAL	13.5	0.6	0.9	0.5	0.0	0.0	0.2	0.0	0.6	0.3	0.7	0.2	0.3	0.1	1.3	0.7	0.0	1.8	0.0	0.5	2.0
				%		5%	8%	5%	0%	0%	1%	0%	6%	3%	7%	2%	3%	1%	12%	7%	0%	17%	0%	5%	19%
				%	100%	19%				1%		6%		3%	30%	5%		36%							

## Waste Island / Hallway Audit Results

Day	Building	Type of Bin	Room Type	Room Number	Tallied Weight	Plastic				Metal		Metal		Waxed		Paper			Organics							
						Refundable plastic	Plastic	Garbage Bags	Bottled Water	Refundable Metal	Metal	Refundable glass	Glass	Waxed / Terra	Coffee cups	Cardboard	White paper	Mixed paper	Raw Nitrogen	Transformed Nitrogen	Meat	Carbon	Liquids	No. 6	Composites	
SUN	L B	Waste Island	Hallway	Near Printing Store	4.5		0.1	0.5	0.0		0.0			0.1	0.6				1.3			1.2	0.3	0.2	0.1	
SUN	E V	Waste Island	Hallway	EV 1.490	3.7			0.3			0.0			0.1	0.4	0.5		0.1	0.6	0.3		0.7		0.4	0.3	
SUN	L B	Waste Island	Hallway	LB 2.99-10	0.9		0.0	0.1	0.0						0.2	0.1			0.1	0.1			0.2		0.1	
SUN	H al I	Waste Island	Hallway	H 1.02 Lobby	4.7		0.1	0.1	0.0					0.2	0.4				0.2	0.7	0.3		1.0	0.6	0.4	0.7
TUE	L B	Waste Island	Hallway	LB Atrium	1.8		0.3	0.3							0.1				0.4			0.5	0.2	0.1		
WED	H al I	Waste Island	Hallway		11.6		0.8	0.4			0.0		0.3	0.6	0.8				0.4	4.4	0.3	0.1	1.6	0.5	0.6	0.8
				TOTAL	27.3	0.0	1.3	1.7	0.1	0.0	0.1	0.0	0.3	1.0	2.0	0.6	0.0	1.1	4.3	0.6	0.0	4.0	0.0	1.7	2.0	
				%		0%	6%	8%	1%	0%	1%	0%	2%	5%	10%	3%	0%	5%	21%	3%	0%	19%	0%	8%	10%	
				%	100%	15%				1%		2%		5%	27%	8%			43%							

## Trash Only / Cafeteria Audit Results

Day	Building	Type of Bin	Room Type	Room Number	Tallied Weight	Plastic					Metal		Metal		Waxed		Paper			Organics						
						Refundable plastic	Plastic	Garbage Bags	Bottled Water	Refundable Metal	Metal	Refundable glass	Glass	Waxed / Terra	Coffee cups	Cardboard	White paper	Mixed paper	Raw Nitrogen	Transformed Nitrogen	Meat	Carbon	Liquids	No. 6	Composites	
MON	L B	Trash Only	Cafeteria	LB Tim Hortons	6.9	0.8									0.2	0.6	0.0		0.6	0.9	0.5		2.4	0.3	0.5	0.1
TUE	L B	Trash Only	Cafeteria	LB Tim Hortons	9.1	0.7		0.5			0.2				0.4	0.6	0.1	0.0	0.1	1.3	1.3	0.2	2.4	0.5	0.5	0.4
WED	L B	Trash Only	Cafeteria	LB Tim Hortons	4.5		0.4	0.6			0.1				0.1	0.2			0.2	0.2	0.2		0.7	1.8	0.1	0.1
THU	L B	Trash Only	Cafeteria	LB Tim Hortons	5.0		0.6	0.2	0.0		0.1				0.1	0.6			0.2	0.4	0.5	0.1	1.4		0.4	0.4
				TOTAL	25.5	1.5	1.0	1.3	0.0	0.0	0.3	0.0	0.0	0.8	1.6	0.1	0.0	1.0	1.7	1.5	0.2	5.5	0.0	1.5	1.0	
				%		8%	5%	7%	0%	0%	2%	0%	0%	4%	8%	0%	0%	5%	9%	8%	1%	29%	0%	8%	5%	
				%	100%	20%				2%		0%		4%	21%	6%			47%							

## Zero Waste Island / Cafeteria Audit Results

Day	Building	Type of Bin	Room Type	Room Number	Plastic					Metal		Metal		Waxed		Paper			Organics						
					Tallied Weight	Refundable plastic	Plastic	Garbage Bags	Bottled Water	Refundable Metal	Metal	Refundable glass	Glass	Waxed / Terra	Coffee cups	Cardboard	White paper	Mixed paper	Raw Nitrogen	Transformed Nitrogen	Meat	Carbon	Liquids	No. 6	Composites
MON	L B	Zero Waste Island	Cafeteria	LB Tim Hortons	4.8	0.6	0.3		0.0		0.1		0.2	0.1	0.5			0.0	0.5	0.4	0.1	1.2	0.4	0.1	0.4
MON	L B	Zero Waste Island	Cafeteria	LB Tim Hortons	3.1		0.2						0.4	0.1	0.2	0.2	0.3		0.3	0.5		0.3		0.1	0.5
WED	L B	Zero Waste Island	Cafeteria	LB Tim Hortons	2.9		0.3				0.1			0.1	0.1			0.4	0.5	0.4		0.5	0.2	0.2	0.1
				TOTAL	10.8	0.6	0.8	0.0	0.0	0.0	0.1	0.0	0.6	0.3	0.7	0.2	0.3	0.4	0.8	0.8	0.0	1.6	0.0	0.4	1.0
				%		7%	9%	0%	0%	0%	1%	0%	7%	3%	8%	2%	4%	5%	9%	9%	0%	19%	0%	4%	11%
				%		16%				1%		7%		3%	23%	11%		38%							

## 240L Zero Waste Island / Kitchen Audit Results

Day	Building	Type of Bin	Room Type	Room Number	Tallied Weight	Plastic				Metal		Metal		Waxed		Paper			Organics					No. 6	Composites
						Refundable plastic	Plastic	Garbage Bags	Bottled Water	Refundable Metal	Metal	Refundable glass	Glass	Waxed / Terra	Coffee cups	Cardboard	White paper	Mixed paper	Raw Nitrogen	Transformed Nitrogen	Meat	Carbon	Liquids		
MON	Hal	240L Zero Waste Island	Kitchen	H7th Floor Kitchen	17.2		0.2	0.9		0.1	1.0			0.2	0.4	1.1			4.1	1.6	0.6	4.5	0.1	0.4	2.1
TUE	Hal	Zero Waste Island	Kitchen	H7 Kitchen	14.1		0.5	0.5	0.1		0.2				0.2				4.8	1.6	0.2	4.6		0.5	0.9
WED	Hal	240L Zero Waste Island	Kitchen	H7 Kitchen	4.6		0.2	0.4	0.1		0.1		0.4	0.1	0.2			0.3	0.9	0.3	0.0	1.0		0.4	0.4
				TOTAL	35.9	0.0	0.9	1.8	0.2	0.1	1.3	0.0	0.4	0.4	0.4	1.1	0.0	0.3	5.9	2.1	0.5	8.1	0.1	1.3	3.4
				%		0%	3%	6%	1%	0%	5%	0%	1%	1%	2%	4%	0%	1%	21%	7%	2%	29%	0%	5%	12%
				%	100%	10%				5%		1%		1%	18%	5%		59%							

## Blue Bin and Trash / Office Audit Results

Day	Building	Type of Bin	Room Type	Room Number	Tallied Weight	Plastic				Metal		Metal		Waxed		Paper			Organics					No. 6	Composites
						Refundable plastic	Plastic	Garbage Bags	Bottled Water	Refundable Metal	Metal	Refundable glass	Glass	Waxed / Terra	Coffee cups	Cardboard	White paper	Mixed paper	Raw Nitrogen	Transformed Nitrogen	Meat	Carbon	Liquids		
WED	LB	Blue Bin and Trash	Office	LB 6.66-00, LB 6.58-00, LB 6.46-00, LB 6.51-00	0.8		0.1								0.1	0.0		0.1	0.2	0.1		0.1		0.0	0.0
				TOTAL	0.8	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0
				%		0%	12%	0%	0%	0%	0%	0%	0%	0%	10%	4%	0%	16%	19%	6%	0%	18%	0%	8%	6%
				%		12%				0%		0%		0%	25%	20%		43%							

## Trash Only / Classroom Audit Results

Day	Building	Type of Bin	Room Type	Room Number	Tallied Weight	Plastic				Metal		Metal		Waxed		Paper			Organics						
						Refundable plastic	Plastic	Garbage Bags	Bottled Water	Refundable Metal	Metal	Refundable glass	Glass	Waxed / Tubs	Coffee cups	Cardboard	White paper	Mixed paper	Raw Nitrogen	Transformed Nitrogen	Meat	Carbon	Liquids	No. 6	Composites
TUE	M B	Trash Only	Classroom		7.3		0.5	0.5	0.1		0.2		0.3	0.2	0.9	0.1	0.0	0.2	1.5	0.4		0.9	0.7	0.5	0.3
WED	Hall	Trash Only	Classroom		11.6		0.8	0.4			0.0		0.3	0.6	0.8			0.4	4.4	0.3	0.1	1.6	0.5	0.6	0.8
				TOTAL	19.0	0.0	1.3	0.9	0.1	0.0	0.2	0.0	0.6	0.8	1.4	0.1	0.0	0.6	3.5	0.4	0.0	2.0	0.0	1.1	1.1
				%		0%	9%	6%	1%	0%	2%	0%	4%	6%	10%	1%	0%	4%	25%	3%	0%	14%	0%	8%	8%
				%		16%				2%		4%		6%	25%	5%			42%						

## Masses of Audited Bags by Bin Type and Location

Most of the samples collected were not audited; their total masses were recorded in order to estimate the average mass of trash contents by bin type and location. The following chart shows the overall results of weighing of bags by bin type and location:

### Average Bin Sample Mass by Category

Bin Type	Location Type	Total Mass (kg)	Bags Weighed	Average Bag weight (kg)	Number Bins on Campuses	Total estimated Weight (kg)	% of total weight
Zero Waste Island	Hallway	8.4	3	2.8	13	36.4	5%
Waste Island	Hallway	29.2	18	1.6	265	429.9	64%
Trash Only	Hallway	0	0	2.1	48	101.2	15%
Trash Only	Bathroom	0	0	0.5	75	37.5	6%
Trash Only	Cafeteria	42.1	11	3.8	3	11.5	2%
Waste Island	Cafeteria	1.3	1	1.3	3	3.9	1%
Zero Waste Island	Cafeteria	18.1	7	2.6	4	10.3	2%
240L Zero Waste Island	Kitchen	109	19	5.7	3	17.2	3%
Blue Bin and Trash	Office	0.661	4	0.2	33	5.5	1%
Trash Only	Classroom	26.36	20	1.3	16	21.5	3%

### Raw Data for Masses of Bin Samples

All masses indicated in Kg.

#### Sunday

Day	Building	Bin Type	Location Type	Specific Location	Mass of Contents (kg)
Sunday	LB	Waste Island	Hallway	Near Printing Store	0.8
Sunday	LB	Waste Island	Hallway	Near Security	0.5
Sunday	LB	Waste Island	Hallway	Near Stairs	0.5
Sunday	LB	Waste Island	Hallway	Near Stairs	1
Sunday	LB	Waste Island	Hallway	Near Security	3.4
Sunday	EV	Waste Island	Hallway	EV 1.191	1.5
Sunday	EV	Waste Island	Hallway	EV 1.190	1.5
Sunday	EV	Waste Island	Hallway	EV 1.430	0.7
Sunday	Hall	Waste Island	Hallway	H 1.02 Lobby	2.6
Sunday	Hall	Waste Island	Hallway	H 1.02 Lobby	1.7
Sunday	LB	Waste Island	Hallway	LB 2.99-10	0.9

## Monday

Day	Building	Bin Type	Location Type	Specific Location	Mass of Contents (kg)
Monday	LB	Trash Only	Cafeteria	LB Tim Hortons	2.2
Monday	LB	Trash Only	Cafeteria	LB Tim Hortons	4.5
Monday	LB	Zero Waste Island	Cafeteria	LB Tim Hortons	1.2
Monday	LB	Zero Waste Island	Cafeteria	LB Tim Hortons	2.7
Monday	LB	Zero Waste Island	Cafeteria	LB Tim Hortons	3.6
Monday	Hall	240L Zero Waste Island	Kitchen	H7th Floor Kitchen	1.6
Monday	Hall	240L Zero Waste Island	Kitchen	H7th Floor Kitchen	6.6
Monday	Hall	240L Zero Waste Island	Kitchen	H7th Floor Kitchen	0.7
Monday	Hall	240L Zero Waste Island	Kitchen	H7th Floor Kitchen	8.3
Monday	Hall	240L Zero Waste Island	Kitchen	H7th Floor Kitchen	8.9

## Tuesday

Day	Building	Bin Type	Location Type	Specific Location	Mass of Contents
Tuesday	LB	Trash Only	Cafeteria	LB Tim Hortons	2.5
Tuesday	LB	Trash Only	Cafeteria	LB Tim Hortons	6.4
Tuesday	LB	Trash Only	Cafeteria	LB Tim Hortons	2.5
Tuesday	LB	Trash Only	Cafeteria	LB Tim Hortons	6.4
Tuesday	LB	Trash Only	Cafeteria	LB Tim Hortons	8.9
Tuesday	MB	Trash Only	Classroom	MB S1.430	7.4
Tuesday	MB	Trash Only	Classroom	MB S1.255	0.7
Tuesday	MB	Trash Only	Classroom	MB S2.105	0.2
Tuesday	MB	Trash Only	Classroom	MB S2.105	0.4
Tuesday	MB	Trash Only	Classroom	MB S1.235	0.4
Tuesday	MB	Trash Only	Classroom	MB S1.215	0.4
Tuesday	MB	Trash Only	Classroom	MB S1.105	1.2
Tuesday	MB	Trash Only	Classroom	MB S2.435	2.1
Tuesday	MB	Trash Only	Classroom	MB S2.115	1.2
Tuesday	MB	Trash Only	Classroom	MB S2.115	1
Tuesday	MB	Trash Only	Classroom	MB S1.105	0.8
Tuesday	MB	Trash Only	Classroom	MB S1.430	2
Tuesday	MB	Trash Only	Classroom	MB S1.115	0.7
Tuesday	MB	Trash Only	Classroom	MB S1.115	0.4
Tuesday	MB	Trash Only	Classroom	MB S1.401	3.4
Tuesday	MB	Trash Only	Classroom	MB S1.401	1.3
Tuesday	MB	Trash Only	Classroom	MB S1.401	1.3
Tuesday	MB	Trash Only	Classroom	MB S1.235	0.06
Tuesday	MB	Trash Only	Classroom	MB S2.135	1
Tuesday	MB	Trash Only	Classroom	MB S2.135	0.4
Tuesday	Hall	240L Zero Waste Island	Kitchen	H7 Kitchen	4.2
Tuesday	Hall	240L Zero Waste Island	Kitchen	H7 Kitchen	0.5
Tuesday	Hall	240L Zero Waste Island	Kitchen	H7 Kitchen	7.4
Tuesday	Hall	240L Zero Waste Island	Kitchen	H7 Kitchen	6.7
Tuesday	LB	Zero Waste Island	Hallway	LB Atrium	3.4
Tuesday	LB	Zero Waste Island	Hallway	LB Atrium	2.8
Tuesday	LB	Waste Island	Hallway	LB Atrium	1.3
Tuesday	Hall	Zero Waste Island	Cafeteria	LB Cafeteria	0.6

### Wednesday

Day	Building	Bin Type	Location Type	Specific Location	Mass of Contents
Wednesday	LB	Blue Bin and Trash	Office	LB 6.58-00	0.158
Wednesday	LB	Blue Bin and Trash	Office	LB 6.81-00	0.089
Wednesday	LB	Blue Bin and Trash	Office	LB 6.71-03	0.29
Wednesday	LB	Blue Bin and Trash	Office	LB 6.70-00	0.124
Wednesday	LB	Zero Waste Island	Hallway	LB Atrium	2.2
Wednesday	LB	Zero Waste Island	Cafeteria	LB Tim Hortons	0.7
Wednesday	LB	Trash Only	Cafeteria	LB Tim Hortons	1
Wednesday	LB	Trash Only	Cafeteria	LB Tim Hortons	2.9
Wednesday	Hall	Waste Island	Hallway	H 4.99-50	1.3
Wednesday	Hall	Waste Island	Hallway	H 4.99-61	3.4
Wednesday	Hall	Waste Island	Hallway	H 4.99-51	0.6
Wednesday	Hall	Waste Island	Hallway	H 4.99-20	4.9
Wednesday	Hall	Waste Island	Hallway	H 4.99-10	1.1
Wednesday	Hall	Waste Island	Hallway	H 4.99-30	1.5
Wednesday	Hall	240L Zero Waste Island	Kitchen	H7 Kitchen	0.9
Wednesday	Hall	240L Zero Waste Island	Kitchen	H7 Kitchen	14.9
Wednesday	Hall	240L Zero Waste Island	Kitchen	H7 People's Potato	1.6
Wednesday	Hall	240L Zero Waste Island	Kitchen	H7 Kitchen	4.7

### Thursday

Day	Building	Bin Type	Location Type	Specific Location	Mass of Contents
Thursday	Hall	240L Zero Waste Island	Kitchen	H7 Kitchen	6.3
Thursday	Hall	240L Zero Waste Island	Kitchen	H7 Kitchen	14.5
Thursday	Hall	240L Zero Waste Island	Kitchen	H7 Kitchen	11
Thursday	LB	Trash Only	Cafeteria	LB Tim Hortons	1.6
Thursday	LB	Trash Only	Cafeteria	LB Tim Hortons	3.2
Thursday	LB	Waste Island	Cafeteria	LB Tim Hortons	1.3
Thursday	LB	Zero Waste Island	Cafeteria	LB Tim Hortons	1.8
Thursday	LB	Zero Waste Island	Cafeteria	LB Tim Hortons	7.5
Thursday	Hall	240L Zero Waste Island	Kitchen	H7 Kitchen	7.3
Thursday	Hall	240L Zero Waste Island	Kitchen	H7 Kitchen	1.6
Thursday	Hall	240L Zero Waste Island	Kitchen	H7 People's Potato	1.3

## Database of Bin Types and Locations

Over the Spring of 2012, interns mapped and recorded data on the locations and types of waste bins across both campuses at Concordia. These tables show the results of their work. Most major buildings, with the exception of only one major building (the GM), were examined to collect this data. This database will be updated during the 2013-2014 academic year when another inspection round is completed.

### Hallway

Bin Type	Location Type	SU M	Loyola								SGW							
			A D	C C	VL	RF	PY	T A	JR	SP	C L	EV	F G	H	LB	M B	VA	
Trash Only	Hallway	15	3	1	5	0	0	0	0	0	0	5	0	0	0	0	1	0
Waste Island	Hallway	265	3	8	0	0	1	0	0	31	0	41	0	79	33	69	0	
Zero Waste Island	Hallway	13	0	0	0	0	0	0	0	3	0	2	0	5	2	1	0	
240L Zero Waste Island	Hallway	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
Blue Bin and Trash	Hallway	3	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	
240L Waste Island	Hallway	6	0	0	1	0	0	0	0	0	0	0	0	0	0	5	0	
Blue Bin Only	Hallway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Slim Recycling Only	Hallway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Small Trash Only	Hallway	98	6	1	32	0	0	0	0	2	0	11	6	17	7	6	10	
Large Trash Only	Hallway	3	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	
Special Recycling Buckets	Hallway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

### Office

Bin Type	Location Type	SU M	Loyola								SGW							
			A D	C C	VL	RF	PY	T A	JR	SP	C L	EV	F G	H	LB	M B	VA	
Blue Bin and Trash	Office	33	0	0	0	0	0	0	0	0	0	0	0	0	0	33	0	
Small Trash Only	Office	105	0	0	0	0	0	0	0	0	0	51	0	6	21	27	0	
Blue Bin Only	Office	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	

### Classroom

Bin Type	Location Type	SU M	Loyola								SGW						
			A D	C C	VL	RF	PY	T A	JR	SP	C L	EV	F G	H	LB	M B	VA
Trash Only	Classroom	8	0	6	2	0	0	0	0	0	0	0	0	0	0	0	0
Small Trash Only	Classroom	25	0	5	0	0	0	0	0	0	0	1	0	0	0	19	0
Blue Bin and Trash	Classroom	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blue Bin Only	Classroom	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Island	Classroom	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

### Kitchen

Bin Type	Location Type	SU M	Loyola								SGW							
			A D	C C	VL	RF	PY	T A	JR	SP	C L	EV	F G	H	LB	M B	VA	
240L Zero Waste Island	Kitchen	3	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0
Trash Only	Kitchen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Island	Kitchen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

### Cafeteria

Bin Type	Location Type	SU M	Loyola								SGW						
			A D	C C	VL	RF	PY	T A	JR	SP	C L	EV	F G	H	LB	M B	VA
Zero Waste Island	Cafeteria	4	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0
240L Zero Waste Island	Cafeteria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Island	Cafeteria	3	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
Trash Only	Cafeteria	3	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0
Slim Recycling Only	Cafeteria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Trash Only	Cafeteria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Trash Only	Cafeteria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

### Bathroom

Bin Type	Location Type	SU M	Loyola								SGW							
			A D	C C	VL	RF	PY	T A	JR	SP	C L	EV	F G	H	LB	M B	VA	
Small Trash	Bathroom	75	0	0	0	0	0	0	0	0	0	0	52	2	0	0	21	0

Only																	
Trash Only	Bathroom	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Compost Only	Bathroom	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

### Gym

Bin Type	Location Type	SU M	Loyola								SGW						
			A D	C C	VL	RF	PY	T A	JR	SP	C L	EV	F G	H	LB	M B	VA
Trash Only	Gym	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Island	Gym	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zero Waste Island	Gym	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Trash Only	Gym	4	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0

### Mail Room

Bin Type	Location Type	SU M	Loyola								SGW						
			A D	C C	VL	RF	PY	T A	JR	SP	C L	EV	F G	H	LB	M B	VA
Trash Only	Mail Room	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Island	Mail Room	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blue Bin and Trash	Mail Room	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blue Bin Only	Mail Room	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Trash Only	Mail Room	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Trash Only	Mail Room	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

### Reception

Bin Type	Location Type	SU M	Loyola								SGW						
			A D	C C	VL	RF	PY	T A	JR	SP	C L	EV	F G	H	LB	M B	VA
Blue Bin and Trash	Reception	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blue Bin Only	Reception	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Trash Only	Reception	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Waste Island	Reception	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

### Kitchenette

			Loyola								SGW						
--	--	--	--------	--	--	--	--	--	--	--	-----	--	--	--	--	--	--

Bin Type	Location Type	SU M	A D	C C	VL	RF	PY	T A	JR	SP	C L	EV	F G	H	LB	M B	VA
Zero Waste Island	Kitchenette	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Island	Kitchenette	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blue Bin and Trash	Kitchenette	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blue Bin Only	Kitchenette	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Slim Recycling Only	Kitchenette	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Trash Only	Kitchenette	3	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0
Trash Only	Kitchenette	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

### Laboratory

Bin Type	Location Type	SU M	Loyola								SGW						
			A D	C C	VL	RF	PY	T A	JR	SP	C L	EV	F G	H	LB	M B	VA
Trash Only	Laboratory	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Waste Island	Laboratory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blue Bin and Trash	Laboratory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blue Bin Only	Laboratory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Trash Only	Laboratory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Trash Only	Laboratory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Special Recycling Buckets	Laboratory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

### Studio or Workshop

Bin Type	Location Type	SU M	Loyola								SGW						
			A D	C C	VL	RF	PY	T A	JR	SP	C L	EV	F G	H	LB	M B	VA
Trash Only	Studio or Workshop	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Island	Studio or Workshop	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blue Bin and Trash	Studio or Workshop	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blue Bin Only	Studio or Workshop	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Trash	Studio or	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0

Only	Workshop																
Large Trash Only	Studio or Workshop	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Special Recycling Buckets	Studio or Workshop	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

*Lounge*

Bin Type	Location Type	Loyola									SGW						
		SU M	A D	C C	VL	RF	PY	T A	JR	SP	C L	EV	F G	H	LB	M B	VA
Trash Only	Lounge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Island	Lounge	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Zero Waste Island	Lounge	2	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
240L Zero Waste Island	Lounge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blue Bin and Trash	Lounge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
240L Waste Island	Lounge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blue Bin Only	Lounge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Slim Recycling Only	Lounge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Trash Only	Lounge	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Large Trash Only	Lounge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Special Recycling Buckets	Lounge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0





Bin Type	Location Type	SU M	Loyola								SGW						
			A D	C C	VL	RF	PY	T A	JR	SP	C L	EV	F G	H	LB	M B	VA
Trash Only	Store	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Trash Only	Store	5	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0
Blue Bin and Trash	Store	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blue Bin Only	Store	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Island	Store	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0

Bin Type	Location Type	SU M	Loyola								SGW						
			A D	C C	VL	RF	PY	T A	JR	SP	C L	EV	F G	H	LB	M B	VA
Trash Only	Study Area	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Trash Only	Study Area	7	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0
Blue Bin and Trash	Study Area	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blue Bin Only	Study Area	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Island	Study Area	32	0	0	0	0	0	0	0	0	0	0	0	32	0	0	0



## Bins selected for sampling during Waste Audit

The following bins were identified for sample collection during the week of the waste audit.

Day	Building	Type Of Bin	Room Type	Room Number
I	LB	Waste Island	Hallway	LB Near stairs
I	LB	Waste Island	Hallway	LB Near stairs
I	LB	Waste Island	Hallway	LB Near printing store
I	LB	Waste Island	Hallway	LB Near security
I	LB	Waste Island	Hallway	LB 2.99-10
I	LB	Waste Island	Hallway	LB 2.90
I	LB	Waste Island	Hallway	LB 2.95
I	LB	Waste Island	Hallway	LB 2.55
I	H	Waste Island	Hallway	H1.02
I	H	Waste Island	Hallway	H1.02
I	MB	Waste Island	Hallway	MB S1.145
I	MB	Waste Island	Hallway	MB S1.230
I	MB	Waste Island	Hallway	MB S2.194
I	MB	Waste Island	Hallway	MB S2.235
I	MB	Waste Island	Hallway	MB S2.190
I	MB	Waste Island	Hallway	MB 1.105
I	MB	Waste Island	Hallway	MB 1.145
I	MB	Waste Island	Hallway	MB 1.235
I	EV	Waste Island	Hallway	EV 1.191
I	EV	Waste Island	Hallway	EV 1.190
I	EV	Waste Island	Hallway	EV 1.430
I	EV	Waste Island	Hallway	EV 1.490

Day	Building	Type Of Bin	Room Type	Room Number
2	EV	Trash Only	Bathroom	EV S2.232
2	EV	Trash Only	Bathroom	EV 1.426
2	EV	Trash Only	Bathroom	EV 1.418
2	EV	Trash Only	Bathroom	EV 2.404
2	EV	Trash Only	Bathroom	EV 2.410
2	EV	Trash Only	Bathroom	EV 3.404
2	EV	Trash Only	Bathroom	EV 3.410
2	EV	Trash Only	Bathroom	EV 3.604
2	EV	Trash Only	Bathroom	EV 3.610
2	EV	Trash Only	Bathroom	EV 4.404
2	EV	Trash Only	Bathroom	EV 4.410
2	EV	Trash Only	Bathroom	EV 4.604
2	EV	Trash Only	Bathroom	EV 4.610
2	EV	Trash Only	Bathroom	EV 5.404
2	EV	Blue Bin and Trash	Office	EV 3.101
2	EV	Blue Bin and Trash	Office	EV 3.123
2	EV	Blue Bin and Trash	Office	EV 3.762
2	EV	Blue Bin and Trash	Office	EV 5.139
2	EV	Blue Bin and Trash	Office	EV 6.139
2	EV	Trash Only	Bathroom	EV 5.410
2	EV	Trash Only	Bathroom	EV 5.604
2	EV	Trash Only	Bathroom	EV 5.610
2	EV	Trash Only	Bathroom	EV 6.604
2	EV	Trash Only	Bathroom	EV 6.610
2	MB	Trash Only	Classroom	MB S1.105
2	MB	Trash Only	Classroom	MB S1.115
2	MB	Trash Only	Classroom	MB S1.235
2	MB	Trash Only	Classroom	MB S1.255
2	MB	Trash Only	Classroom	MB S1.430
2	MB	Trash Only	Classroom	MB S1.435
2	MB	Trash Only	Classroom	MB S1.401

Day	Building	Type Of Bin	Room Type	Room Number
2	MB	Trash Only	Classroom	MB S2.105
2	MB	Trash Only	Classroom	MB S2.115
2	MB	Trash Only	Classroom	MB S2.135
2	MB	Trash Only	Classroom	MB S1.105
2	MB	Trash Only	Classroom	MB S1.115
2	MB	Trash Only	Classroom	MB S1.235
2	H	240L Zero Waste Island	Kitchen	H7th
2	H	240L Zero Waste Island	Kitchen	H7th
2	H	240L Zero Waste Island	Kitchen	H7th
2	H	240L Zero Waste Island	Kitchen	H7th People's Potato
2	H	240L Zero Waste Island	Kitchen	H7th People's Potato
2	H	Zero Waste Island	Cafeteria	H 7th
2	H	Zero Waste Island	Cafeteria	H 7th
2	LB	Trash Only	Cafeteria	LB Tim Hortons
2	LB	Trash Only	Cafeteria	LB Tim Hortons
2	LB	Zero Waste Island	Cafeteria	LB Tim Hortons
2	LB	Zero Waste Island	Cafeteria	LB Tim Hortons
2	LB	Waste Island	Cafeteria	LB Tim Hortons

Day	Building	Type Of Bin	Room Type	Room Number
3	H	Zero Waste Island	Cafeteria	H 7th
3	H	Zero Waste Island	Cafeteria	H 7th
3	H	240L Zero Waste Island	Kitchen	H7th
3	H	240L Zero Waste Island	Kitchen	H7th
3	H	240L Zero Waste Island	Kitchen	H7th
3	H	240L Zero Waste Island	Kitchen	H7th People's Potato
3	H	240L Zero Waste Island	Kitchen	H7th People's Potato
3	LB	Trash Only	Cafeteria	LB Tim Hortons
3	LB	Trash Only	Cafeteria	LB Tim Hortons
3	LB	Zero Waste Island	Cafeteria	LB Tim Hortons
3	LB	Zero Waste Island	Cafeteria	LB Tim Hortons
3	LB	Waste Island	Cafeteria	LB Tim Hortons
3	MB	Trash Only	Classroom	MB SI.105
3	MB	Trash Only	Classroom	MB SI.115
3	MB	Trash Only	Classroom	MB SI. 235
3	MB	Trash Only	Classroom	MB SI.255
3	MB	Trash Only	Classroom	MB SI.430
3	MB	Trash Only	Classroom	MB SI.435
3	MB	Trash Only	Classroom	MB SI.401
3	MB	Trash Only	Classroom	MB S2.105
3	MB	Trash Only	Classroom	MB S2.115
3	MB	Trash Only	Classroom	MB S2.135
3	CJ	Waste Island	Cafeteria	CJ 2nd floor
3	CJ	Waste Island	Hallway	CJ 1.105
3	CJ	Waste Island	Hallway	CJ 1.145
3	CJ	Waste Island	Hallway	CJ 2.213
3	CJ	Waste Island	Hallway	CJ 2.312
3	CJ	Waste Island	Hallway	CJ 2.204
3	CJ	Waste Island	Hallway	CJ 3.247
3	CJ	Waste Island	Hallway	CJ 3.230
3	CJ	Waste Island	Hallway	CJ 3.207
3	CJ	Waste Island	Hallway	CJ 3.307

Day	Building	Type Of Bin	Room Type	Room Number
3	CJ	Waste Island	Hallway	CJ 4.259
3	CJ	Waste Island	Hallway	CJ 4.318
3	CJ	Waste Island	Hallway	CJ 5.231
3	CJ	Waste Island	Hallway	CJ 5.301
3	CJ	Waste Island	Hallway	CJ 5.219
3	SC	240L Zero Waste Island	Kitchen	SC
3	SC	240L Zero Waste Island	Kitchen	SC
3	SC	240L Zero Waste Island	Kitchen	SC

Day	Building	Type Of Bin	Room Type	Room Number
4	H	Zero Waste Island	Cafeteria	H 7th
4	H	Zero Waste Island	Cafeteria	H 7th
4	H	240L Zero Waste Island	Kitchen	H7th
4	H	240L Zero Waste Island	Kitchen	H7th
4	H	240L Zero Waste Island	Kitchen	H7th
4	H	240L Zero Waste Island	Kitchen	H7th People's Potato
4	H	240L Zero Waste Island	Kitchen	H7th People's Potato
4	H	Waste Island	Hallway	H.4.99-61
4	H	Waste Island	Hallway	H4.99-10
4	H	Waste Island	Hallway	H4.99-20
4	H	Waste Island	Hallway	H4.99-30
4	H	Waste Island	Hallway	H4.99-50
4	H	Waste Island	Hallway	H4.99-51
4	LB	Trash Only	Cafeteria	LB Tim Hortons
4	LB	Trash Only	Cafeteria	LB Tim Hortons
4	LB	Zero Waste Island	Cafeteria	LB Tim Hortons
4	LB	Zero Waste Island	Cafeteria	LB Tim Hortons
4	LB	Waste Island	Cafeteria	LB Tim Hortons
4	LB	Blue Bin and Trash	Office	LB 6.81-00
4	LB	Blue Bin and Trash	Office	LB 6.71-03
4	LB	Blue Bin and Trash	Office	LB 6.65-00
4	LB	Blue Bin and Trash	Office	LB 6.61-00
4	LB	Blue Bin and Trash	Office	LB 6.65-00
4	LB	Blue Bin and Trash	Office	LB 6.60-00
4	LB	Blue Bin and Trash	Office	LB 6.70-00
4	LB	Blue Bin and Trash	Office	LB 6.66-00
4	LB	Blue Bin and Trash	Office	LB 6.58-00
4	LB	Blue Bin and Trash	Office	LB 6.46-00
4	LB	Blue Bin and Trash	Office	LB 6.51-00
4	LB	Blue Bin and Trash	Office	LB 5.41-2
4	VA	Trash only	Hallway	VA 4.99-10

Day	Building	Type Of Bin	Room Type	Room Number
4	VA	Trash only	Hallway	VA 4.99-20
4	VA	Trash only	Hallway	VA 3.99-40
4	VA	Trash only	Hallway	VA 2.99-40
4	VA	Trash only	Hallway	VA 1.99-10
4	VA	Trash only	Hallway	VA 1.99-20
4	EV	Blue Bin and Trash	Office	EV 3.101
4	EV	Blue Bin and Trash	Office	EV 3.123
4	EV	Blue Bin and Trash	Office	EV 3.762
4	EV	Blue Bin and Trash	Office	EV 5.139
4	EV	Blue Bin and Trash	Office	EV 6.139

Day	Building	Type Of Bin	Room Type	Room Number
5	MB	Blue Bin and Trash	Office	MB 10.311
5	EV	Blue Bin and Trash	Office	EV 3.101
5	EV	Blue Bin and Trash	Office	EV 3.123
5	EV	Blue Bin and Trash	Office	EV 3.762
5	EV	Blue Bin and Trash	Office	EV 5.139
5	EV	Blue Bin and Trash	Office	EV 6.139
5	H	Zero Waste Island	Cafeteria	H 7th
5	H	Zero Waste Island	Cafeteria	H 7th

Day	Building	Type Of Bin	Room Type	Room Number
5	MB	Trash Only	Bathroom	MB S1.410
5	MB	Trash Only	Bathroom	MB S1.420
5	MB	Trash Only	Bathroom	MB S2.410
5	MB	Trash Only	Bathroom	MB S2.420
5	MB	Trash Only	Bathroom	MB 2.420
5	MB	Trash Only	Bathroom	MB 2.410
5	MB	Trash Only	Bathroom	MB 3.410
5	MB	Trash Only	Bathroom	MB 3.420
5	MB	Trash Only	Bathroom	MB 4.420
5	MB	Trash Only	Bathroom	MB 4.410
5	MB	Trash Only	Bathroom	MB 5.420
5	MB	Trash Only	Bathroom	MB 5.410
5	MB	Trash Only	Bathroom	MB 6.420
5	MB	Trash Only	Bathroom	MB 6.410
5	MB	Trash Only	Classroom	MB S1.105
5	MB	Trash Only	Classroom	MB S1.115
5	MB	Trash Only	Classroom	MB S1. 235
5	MB	Trash Only	Classroom	MB S1.255
5	MB	Trash Only	Classroom	MB S1.430
5	MB	Trash Only	Classroom	MB S1.435
5	MB	Trash Only	Classroom	MB S1.401
5	MB	Trash Only	Classroom	MB S2.105
5	MB	Trash Only	Classroom	MB S2.115
5	MB	Trash Only	Classroom	MB S2.135
5	MB	Blue Bin and Trash	Office	MB 10.303
5	MB	Blue Bin and Trash	Office	MB 10.305
5	MB	Blue Bin and Trash	Office	MB 10.307
5	MB	Blue Bin and Trash	Office	MB 10.309

5	H	240L Zero Waste Island	Kitchen	H7th
5	H	240L Zero Waste Island	Kitchen	H7th
5	H	240L Zero Waste Island	Kitchen	H7th
5	H	240L Zero Waste Island	Kitchen	H7th People's Potato
5	H	240L Zero Waste Island	Kitchen	H7th People's Potato
5	LB	Trash Only	Cafeteria	LB Tim Hortons
5	LB	Trash Only	Cafeteria	LB Tim Hortons
5	LB	Zero Waste Island	Cafeteria	LB Tim Hortons
5	LB	Zero Waste Island	Cafeteria	LB Tim Hortons
5	LB	Waste Island	Cafeteria	LB Tim Hortons