

City of Saskatoon 2025 Cityscape Receptacles Waste Characterization Study



PRESENTED TO
City of Saskatoon

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ISSUED FOR USE
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TABLE OF CONTENTS

1.0	INTRODUCTION	1
2.0	METHODOLOGY	1
2.1	Sample Collection Methodology	1
2.2	Sample Sorting and Analysis	1
2.3	Data Analysis	2
3.0	WASTE COMPOSITION RESULTS	2
4.0	RECOMMENDATIONS	5
5.0	CLOSURE	6

LIST OF FIGURES IN TEXT

Figure 3-1: Waste Composition Summary from Cityscape Receptacles during May 2025	3
Figure 3-2: Summary of Recyclable and Organic Materials by Receptacle	4

APPENDIX SECTIONS

Appendix A	Tetra Tech's Limitations on the Use of this Document
Appendix B	Selected Photographs
Appendix C	Material Categories
Appendix D	Waste Composition Results

ACRONYMS & ABBREVIATIONS

Acronyms/Abbreviations	Definition
City	City of Saskatoon
Tetra Tech	Tetra Tech Canada Inc.

LIMITATIONS OF REPORT

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NOTE TO THE READER

The samples collected and characterized for this study are “snapshots” in time, meaning the reported quantities are estimates and only represent the conditions for the period in which they were collected. Annual variability, weather, and other factors can affect the amount and composition of waste and recyclables generated by the various sectors at any given time. Even with combined educational, regulatory, and financial initiatives, the reader should not assume that it is necessarily easy, practical, or economical to recover a substantial portion of a disposed material from a mixed waste stream or at its source.

1.0 INTRODUCTION

Tetra Tech Canada Inc. (Tetra Tech) was retained by the City of Saskatoon (City) to conduct a waste characterization study for Cityscape receptacles. The purpose of this study was to determine the composition of waste generated at public park areas and identify opportunities to increase waste diversion. This study focuses on the waste stream from public-facing bins. At the time of this study, the Cityscape receptacles only consisted of a one stream disposal system (garbage) for the public.

2.0 METHODOLOGY

The following section describes the methodology that was undertaken to conduct this study. Sampling and sorting were conducted in accordance with the sampling plan that was reviewed with the City. Appendix B includes photos that highlight some of the activities.

2.1 Sample Collection Methodology

Sample collection was conducted on May 20, 2025. The City collected all the materials found in the selected bins, separated into bags, and labelled by location. The materials were delivered to the Umea Yard and then Tetra Tech transported the materials to the sorting area at the Saskatoon Regional Waste Management Centre. Materials were then unloaded, and the Tetra Tech sorting team organized the materials to make sure materials from each location were not mixed or co-mingled prior to sorting. Samples were collected from:

Zone 1 Parks:

- River Landing (concession and trail);
- Kinsmen Park (concession and park);
- Meewasin Park (pavilion and barbeque pit);
- Victoria Park (trail riverside and playground);
- Kiwanis Park (trail streetside);
- Optimist Park; and
- White Swan Drive to Adilman Drive (multi-use path).

2.2 Sample Sorting and Analysis

For all locations, all materials collected were hand sorted into their respective material categories. All materials were sorted as per the categories agreed upon with the City. Each categorized item was placed into respective bins. The contents of each bin were then weighed and recorded to determine the weight for each secondary category. Details of the sorting categories are included in Appendix C, along with their description, and preferred diversion/disposal method.

The waste streams were characterized into 13 primary categories which were then further divided into 67 secondary categories. Primary categories include the following:

- Paper.
- Metals.
- Food waste.
- Yard waste.
- Bulky waste.
- Paper packaging.
- Glass.
- Construction and demolition waste.
- Household hygiene.
- Plastics.
- Household hazardous waste.
- Waste electrical and electronic equipment.
- Other materials.

Note that the term “household hazardous waste” is an industry term that refers to household products that may be flammable, corrosive, or toxic under certain conditions, but are generally safe to handle under normal conditions. The “household hygiene” category includes materials such as diapers, sanitary products, and pet waste. The “other materials” primary category includes materials such as textiles, tires and other rubber, other waste, and wooden utensils.

2.3 Data Analysis

Data analysis was performed using Tetra Tech’s spreadsheet analysis tool. Data was compiled into primary and secondary categories by weight. The types of data analysis undertaken by Tetra Tech include the following:

- Composition of materials by material type and weight for each sample location.

3.0 WASTE COMPOSITION RESULTS

The following summarizes the waste composition results of the garbage samples from the Cityscape receptacles. Results are presented by primary category. A percentage by weight was determined for each location. Details of the waste composition results for each location by material categories are included in Appendix D.

Figure 3-1 illustrates the waste composition of the garbage stream in the Cityscape receptacles in May 2025. This is a snapshot of the types and relative quantities of materials that were discarded by the public at this time of the year and provides an indication of the types of materials that could potentially be diverted from disposal. The following section discusses the divertible materials (i.e., compostable and recyclable) in the waste stream.

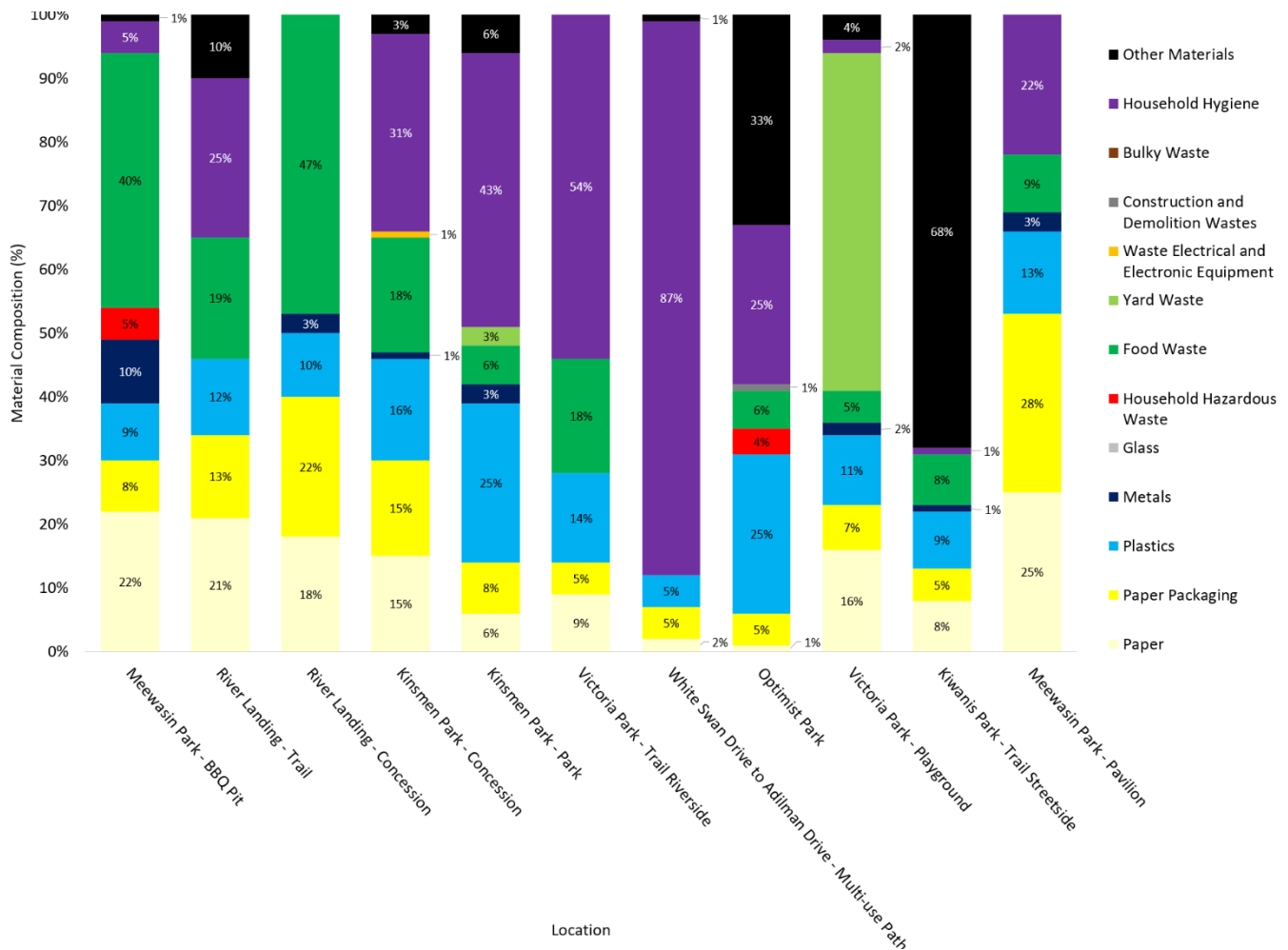


Figure 3-1: Waste Composition Summary from Cityscape Receptacles during May 2025

Several waste receptacles had a large amount of household hygiene materials. The household hygiene material is primarily composted of pet waste and diapers. These results suggest that a separate receptacle for pet waste could be an option for these locations. Further analysis should be conducted to determine whether separate receptacles should be considered for these sites.

There was also a number of waste receptacles that had a large amount of materials that are considered “other materials”. These were small samples and only represent a snapshot of what could potentially be discarded by the public. The waste characterization analysis showed that these materials were mostly textiles. Further analysis should be conducted to determine whether additional services should be considered for these sites.

The following examines the diversion potential of the samples from the Cityscape receptacles. Figure 3-2 illustrates the proportion of materials that can be accepted in the blue bin program, green bin program, and the depot. This figure also indicates the proportion of material that has no program or would be considered garbage. It should be noted that these are only a snapshot of the waste characterized and should be further investigated in the future to determine whether receptacle options for recyclables and compostables should be available.

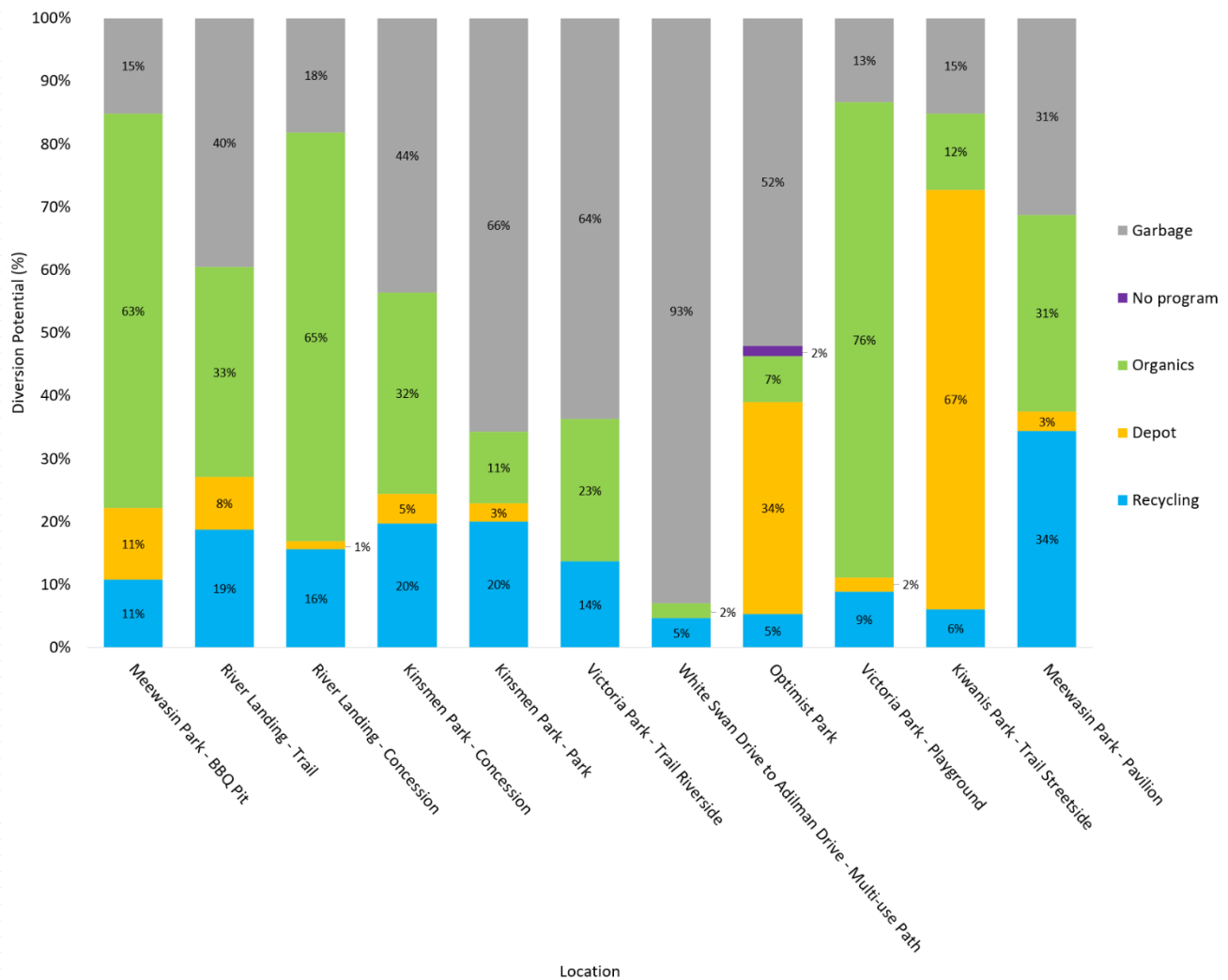


Figure 3-2: Summary of Recyclable and Organic Materials by Receptacle

Recyclables are materials that can be accepted in the City's blue bin program. Recyclable materials represent an average of 14.3% for the samples characterized and range from a low of 4.6% to a high of 34.4%. Further analysis should be conducted to determine whether recycling receptacles should be considered for the sites sampled.

Organics are materials that include food waste, yard waste, and food soiled paper. The locations where organics was relatively high are areas where the public can prepare or purchase food. The bulk of the compostable materials were food waste and food soiled paper. The average for organics was 32.3% and this ranged from a low of 2.3% to a high of 75.6%. Further analysis should be conducted to determine how the public would utilize these receptacles.

4.0 RECOMMENDATIONS

The waste characterization of public space waste receptacles provides a glimpse of the type of materials that could be discarded by the public. It also identifies potential options for separate receptacles if the City has a desire to promote waste diversion.

The number of samples characterized is small and may not provide representation. However, it does provide an indication of what is disposed and how information from these studies can be used to further enhance program. Considerations for the next Cityscape waste characterization studies include the following:

- Assess the type of park goers (public) that use the receptacles and what type of service would be reasonable;
- Understand the collection schedule for the receptacles and collect the samples when there is the largest amount to achieve the optimal sample size (e.g., 100 kg of materials generated); and
- Conduct sampling several times a year to understand how usage and disposal practices change of the course of the year and seasons.

5.0 CLOSURE

We trust this document meets your present requirements. If you have any questions or comments, please contact the undersigned.

Respectfully submitted,
Tetra Tech Canada Inc.

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APPENDIX A

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LIMITATIONS ON USE OF THIS DOCUMENT

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APPENDIX B

SELECTED PHOTOGRAPHS



Photo 1: River Landing Concession Area



Photo 2: Example of Public BBQ Pit Area



Photo 3: Example of Materials Generated from Bins



Photo 4: Tetra Tech Staff Sorting Collected Materials



Photo 5: Example of Polycoat Beverage Cups



Photo 6: Example of #5 Polypropylene



Photo 7: Example of Durable Plastic Products



Photo 8: Example of Aluminum Beverage Cans



Photo 9: Example of Pet Waste



Photo 10: Example of Textiles

APPENDIX C

MATERIAL CATEGORIES

Table C-1: Material Category Descriptions – Garbage Stream

	Category	Description and/or Examples	Diversion Potential
01 Paper			
1	Mixed Paper	<ul style="list-style-type: none"> Fine household papers, writing paper, office paper, copy paper, bills and statements, ad mail, etc. Includes glossy flyers and advertising that are not distributed with newspapers. Includes gift wrap, construction paper, puzzle books, (e.g., sudoku or colouring books) Glossy magazines, catalogues, calendars, annual reports (must be bound, (i.e., stapled or glued) Telephone books and other directories such as the Yellow Pages Non Newspapers (e.g., television guides, Auto Trader, Real Estate News) plus inserts and flyers from newspapers made of newsprint Daily and weekly newspapers 	Recycling
2	Tissue/Toweling	<ul style="list-style-type: none"> Paper napkins, towels, and tissues 	Organics
3	Food Soiled Paper	<ul style="list-style-type: none"> Plates, cups, muffin wrappers, coffee filters, teabags, bags, and food packaging 	Organics
4	Shredded Paper	<ul style="list-style-type: none"> Paper that has been shredded mechanically into thin strips 	Recycling
5	Other Paper – Non-Obligated	<ul style="list-style-type: none"> Soft or hard covered literary books, academic journals, textbooks, and photographs 	Garbage
02 Paper Packaging			
6	Corrugated Cardboard	<ul style="list-style-type: none"> Includes micro-flute corrugated containers, pizza boxes, waxed corrugated containers, electronic product boxes such as television and computer boxes, boxes used to direct mail for residential consumers 	Recycling
7	Boxboard/Cores	<ul style="list-style-type: none"> Boxboard, paperboard, cereal box, shoe box, frozen food box, cores from toilet paper/toweling/gift wrap, etc. Includes wet-strength boxboard, fast food cartons such as fry/onion ring boxes and paper plates 	Recycling
8	Kraft Paper	<ul style="list-style-type: none"> Kraft paper bags and wrap, grocery or retail bags, potato bags, some pet food bags, etc. Includes brown, white, and coloured kraft paper and bags. No bags with bonded plastic or foil liners/layers/coatings. Includes bags with a light grease coating 	Recycling
9	Molded Pulp	<ul style="list-style-type: none"> Egg cartons, drink trays, other trays, molded pulp flower pots/trays, etc. 	Recycling
10	Polycoat Beverage Cups	<ul style="list-style-type: none"> Hot beverage/food containers, with polycoat on inside only, including coffee cups, soup cups/bowls, chili cups, etc. Cold beverage/food containers with polycoat on both sides including fountain drinks, take-out ice cream cups 	Garbage
11	Ice Cream Containers and Other Bleached Long Polycoat Fibre	<ul style="list-style-type: none"> Polycoated paper ice cream containers, typically with a lid, excluding boxboard folded ice cream boxes. Food containers with white fibre and a rolled or folded rim, includes Michelina's frozen food, KFC tubs 	Garbage
12	Laminated Paper Packaging	<ul style="list-style-type: none"> Paper based packaging (at least 85% paper) with foil or plastic liners/layers/coatings, pouches, cookie bags, microwave popcorn bags, fast food sandwich wraps, gift bags, paper based trays, etc. 	Garbage

	Category	Description and/or Examples	Diversion Potential
13	Spiral Wound Containers	<ul style="list-style-type: none"> Spiral wound cans with paper walls and plastic or metal tops or bottoms; frozen juice, Pringles, raisins, etc. 	Garbage
14	Gable Top Containers – Beverage	<ul style="list-style-type: none"> Polycoat containers with a gable shaped top, milk and milk substitutes like soy, almond, and rice milk, and juices 	Recycling
15	Gable-Top Containers – Non-Beverage	<ul style="list-style-type: none"> Polycoat containers with a gable shaped top that previously contained some foods or other products, (e.g., sugar, molasses, etc.) 	Recycling
16	Aseptic Containers – Beverage	<ul style="list-style-type: none"> Polycoat fibre and foil containers (e.g., Tetra Pak) for beverage, (e.g., soy, almond, and rice milk, juice boxes) 	Recycling
17	Aseptic Containers – Non-Beverage	<ul style="list-style-type: none"> Polycoat fibre and foil containers (e.g., Tetra Pak) for soup, sauces, etc. 	Recycling
03 Plastics			
2	#1 Polyethylene Terephthalate Bottles – Beverage	<ul style="list-style-type: none"> Soft drink/water bottles 	Recycling
19	#1 Polyethylene Terephthalate Bottles, Jugs, and Jars – Non-Beverage	<ul style="list-style-type: none"> Salad dressing bottles, peanut butter jars 	Recycling
20	#1 Polyethylene Terephthalate Thermoform	<ul style="list-style-type: none"> #1 clamshells, #1 egg cartons, #1 trays, #1 blister packaging, #1 drink cups, etc. 	Recycling
21	#2 High-Density Polyethylene Beverage	<ul style="list-style-type: none"> Milk jugs, juice containers, and drinkable yogurt bottles 	Recycling
22	#2 High-Density Polyethylene Non-Beverage	<ul style="list-style-type: none"> Laundry detergent, bleach, vinegar, personal care products such as shampoos, conditioners, and body wash, windshield washing fluid containers, and cleaning supplies. Other #2 containers such as margarine and yogurt containers, and lids made from high-density polyethylene 	Recycling
23	#3 Polyvinyl Chloride	<ul style="list-style-type: none"> Tubs, condiment containers 	Recycling
24	#5 Polypropylene	<ul style="list-style-type: none"> #5 bottles and containers, plastic bottles includes nutritional supplement drinks, shampoos, etc. #5 containers such as margarine and yogurt containers, and other containers made from polypropylene, including tubs and lids with resin codes #5 polypropylene 	Recycling
25	#6 Polystyrene – Expanded	<ul style="list-style-type: none"> Foam take-out containers such as drink cups, large white packaging foam, meat trays, and coloured foam insulation 	Depot
26	#6 Polystyrene – Non-Expanded	<ul style="list-style-type: none"> Polystyrene clear clamshell containers such as berry and muffin containers, rigid polystyrene cups, plates, and bottles 	Recycling
27	#7 Biodegradable/Compostable Plastics	<ul style="list-style-type: none"> Might not have #7 label; include Biodegradable Products Institute (BPI) certification 	Garbage
28	Plastic Film	<ul style="list-style-type: none"> High-density polyethylene and low-density polyethylene film, dry cleaning bags, bread bags, milk bags, toilet paper and paper towel over-wrap, lawn seed bags 	Depot
29	Low-Density Polyethylene and High-Density Polyethylene Film – Products (Non-Recyclable)	<ul style="list-style-type: none"> Non-packaging low-density polyethylene and high-density polyethylene film (e.g., kitchen catchers, squeeze tubes, 6-pack rings, paper lined plastic, etc.) 	Garbage

	Category	Description and/or Examples	Diversion Potential
30	Plastic Laminates and Other Film Packaging	<ul style="list-style-type: none"> Laminated plastic film and bags that are at least 85% plastic (by weight). Includes chip bags, vacuum sealed bags, cereal liners, candy wraps, pasta bags, boil in a bag, plastic based food pouches, etc. 	Depot
31	Other Rigid Plastic Packaging	<ul style="list-style-type: none"> Other rigid containers (#4 and #7), non-polyethylene terephthalate blister packaging, unmarked/coded packaging, plant pots and trays, pails, etc. 	Garbage
32	Durable Plastic Products	<ul style="list-style-type: none"> Non-packaging such as videocassette recorder tapes, compact discs, toys, games, tupperware, etc. Include multi-material items that are mainly plastic (e.g., a plastic toy truck with metal axles) 	Garbage
04 Metals			
33	Aluminum Beverage Cans	<ul style="list-style-type: none"> Aluminum soft drinks, soda, juice, alcoholic beverages, beer cans 	Recycling
34	Aluminum Non-Beverage	<ul style="list-style-type: none"> Food containers, aluminum foil wrap, pie plates, baking trays, etc. 	Recycling
35	Aerosol Containers	<ul style="list-style-type: none"> Mousse spray cans, air freshener spray cans, deodorant spray cans, hairspray cans, food spray cans for cheese or whipped cream, empty spray cans, cooking oil, etc. 	Garbage
36	Other Aluminum	<ul style="list-style-type: none"> Aluminum siding, baking trays, etc. 	Garbage
37	Steel Beverage Cans	<ul style="list-style-type: none"> Steel apple juice, alcoholic beverages, beer cans, Sapporo, etc. 	Recycling
38	Steel Food Cans	<ul style="list-style-type: none"> Soup, beans, peaches, etc. No alcohol containers 	Recycling
39	Other Metal	<ul style="list-style-type: none"> Wire, hardware, copper 	Depot
05 Glass			
40	Glass Beverage Containers	<ul style="list-style-type: none"> Juice, beer, and wine bottles 	Recycling
41	Glass Non-Beverage	<ul style="list-style-type: none"> Food containers 	Recycling
42	Other Glass	<ul style="list-style-type: none"> Window glass, plates, and glasses, light bulbs (fluorescent tubes and compact fluorescents go in Household Hazardous Waste) 	Garbage
06 Household Hazardous Waste			
43	Household Hazardous Waste	<ul style="list-style-type: none"> Labelled CAUTION, WARNING, CORROSIVE, EXPLOSIVE, FLAMMABLE, POISONOUS or TOXIC Acid, adhesives, automotive, batteries, cleaners, cylinders, coorsives, fuels, light bulbs, mercury, oxidizing chemicals, paint, pesticides and fertilizers, pharmaceuticals, solvents 	Depot
07 Food Waste			
44	Avoidable Food Waste	<ul style="list-style-type: none"> Whole fruits and vegetables, meat, bread, prepared meals, fruits and vegetables trimmings 	Organics
45	Unavoidable Food Waste	<ul style="list-style-type: none"> Inedible food, such as peelings, bones, solidified fats, cooking oils, and food grease 	Organics
08 Yard Waste			
46	Yard and Garden Debris	<ul style="list-style-type: none"> Grass clippings, leaves, weeds, plant parts, pumpkins, topsoil, and sod 	Organics

	Category	Description and/or Examples	Diversion Potential
47	Brush and Branches	<ul style="list-style-type: none"> Small twigs and tree trimmings that are no more than 60 cm in length and 2 cm in diameter, conifer cones and needles, wood chips and bark mulch 	Organics
09 Waste Electrical and Electronic Equipment			
48	Electronics	<ul style="list-style-type: none"> Laptop computers, notebooks, tablet PCs, TVs and computer monitors, printers, fax machines, photocopiers and scanners, personal, portable, or home DVD, Blu Ray, CD, MP3, record players; film or digital cameras/video recorders; digital picture frames; audio and video baby monitors; cable/satellite TV receivers; amps, receivers; speakers, headphones, microphones, coaxial, telephone, speaker wires, coffee makers, mixers, bread makers, toaster ovens, waffle, makers, crock pots, saw, drill, etc. 	Depot
10 Construction And Demolition Wastes			
49	Dimensional Lumber – Untreated	<ul style="list-style-type: none"> Unpainted or unstained lumber and pallets 	No program
50	Dimensional Lumber – Treated	<ul style="list-style-type: none"> Painted, stained, or treated lumber 	No program
51	Composite Wood	<ul style="list-style-type: none"> Plywood, oriented strand board, medium-density fibreboard, and particle board 	No program
52	Gypsum Wallboard	<ul style="list-style-type: none"> Drywall 	No program
53	Asphalt Roofing Shingles	<ul style="list-style-type: none"> Asphalt shingles and tarpaper 	No program
54	Mixed Metals	<ul style="list-style-type: none"> Ferrous, non-ferrous, and aluminum 	No program
55	Concrete, Bricks	<ul style="list-style-type: none"> Concrete, paving stones, and cement bricks 	No program
56	Ceramics, Porcelain	<ul style="list-style-type: none"> Tiles, toilets, and sinks 	No program
57	Carpeting	<ul style="list-style-type: none"> Carpeting, underlay, and mats 	No program
58	Other Construction and Demolition Wastes	<ul style="list-style-type: none"> Vinyl siding, misc. conduits, ceiling tiles, plumbing pipes, insulation 	No program
11 Bulky Waste			
59	Furniture or Fixtures	<ul style="list-style-type: none"> Chairs, sofas, cabinets, tables, garden furniture, etc. 	No program
60	Other Large Bulky Items	<ul style="list-style-type: none"> Other large items not classified elsewhere 	No program
12 Household Hygiene			
61	Diapers	<ul style="list-style-type: none"> Diapers 	Garbage
62	Sanitary Products	<ul style="list-style-type: none"> Sanitary napkins, hygiene products, etc. 	Garbage
63	Pet Waste	<ul style="list-style-type: none"> Animal feces, bedding, and kitty litter 	Garbage
13 Other Materials			
64	Textiles	<ul style="list-style-type: none"> Clothing, shoes, mats, drapes, sheets, etc. Plastic rice sacks go in Other Rigid Plastic Packaging 	Depot
65	Tires and Other Rubber	<ul style="list-style-type: none"> Rubber tires and tubes, other rubber items such as hoses 	Garbage
66	Other Waste	<ul style="list-style-type: none"> Materials not classified elsewhere, wooden fruit basket, vacuum bags, wax candles, furnace filters, etc. 	Garbage
67	Wood Utensils	<ul style="list-style-type: none"> Chopsticks, wooden forks, toothpicks, etc. 	Organics

APPENDIX D

WASTE COMPOSITION RESULTS

Table D-1: Waste Composition Results – by Location

Category	Meewasin Trail – BBQ Pit	River Landing Concession – Lower Path	River Landing Concession – Stairs	Kinsmen Park – Molok Bag	Kinsmen Park – Waste Receptacles
01 Paper	21.6%	20.8%	18.2%	9.1%	15.6%
01. Mixed Paper	0.0%	6.3%	0.0%	4.5%	0.0%
02. Tissue/Toweling	15.1%	10.4%	18.2%	4.5%	8.9%
03. Food Soiled Paper	6.5%	4.2%	0.0%	0.0%	6.7%
04. Shredded Paper	0.0%	0.0%	0.0%	0.0%	0.0%
05. Other Paper – Non-Obligated	0.0%	0.0%	0.0%	0.0%	0.0%
02 Paper Packaging	8.1%	12.5%	22.1%	4.5%	6.7%
06. Corrugated Cardboard	0.5%	2.1%	0.0%	4.5%	0.0%
07. Boxboard/Cores	0.0%	2.1%	2.6%	0.0%	2.2%
08. Kraft Paper	1.1%	0.0%	0.0%	0.0%	0.0%
09. Molded Pulp	0.5%	0.0%	5.2%	0.0%	0.0%
10. Polycoat Beverage Cups	0.5%	2.1%	1.3%	0.0%	2.2%
11. Ice Cream Containers and Other Bleached Long Polycoat Fiber	0.0%	2.1%	0.0%	0.0%	0.0%
12. Laminated Paper Packaging	4.3%	4.2%	13.0%	0.0%	2.2%
13. Spiral Wound Containers	0.0%	0.0%	0.0%	0.0%	0.0%
14. Gable Top Containers – Beverage	0.0%	0.0%	0.0%	0.0%	0.0%
15. Gable Top Containers – Non-Beverage	0.0%	0.0%	0.0%	0.0%	0.0%
16. Aseptic Containers – Beverage	1.1%	0.0%	0.0%	0.0%	0.0%
17. Aseptic Containers – Non-Beverage	0.0%	0.0%	0.0%	0.0%	0.0%
03 Plastics	9.2%	12.5%	10.4%	13.6%	11.1%
18. #1 Polyethylene Terephthalate Bottles – Beverage	1.6%	0.0%	0.0%	0.0%	2.2%
19. #1 Polyethylene Terephthalate Bottles, Jugs, and Jars – Non-Beverage	0.0%	0.0%	0.0%	0.0%	0.0%
20. #1 Polyethylene Terephthalate Thermoform	0.5%	6.3%	2.6%	0.0%	0.0%

Category	Meewasin Trail – BBQ Pit	River Landing Concession – Lower Path	River Landing Concession – Stairs	Kinsmen Park – Molok Bag	Kinsmen Park – Waste Receptacles
21. #2 High-Density Polyethylene Beverage	0.0%	0.0%	0.0%	0.0%	0.0%
22. #2 High-Density Polyethylene Non-Beverage	0.0%	0.0%	0.0%	0.0%	0.0%
23. #3 Polyvinyl Chloride	0.0%	0.0%	0.0%	0.0%	0.0%
24. #5 Polypropylene	1.1%	2.1%	2.6%	4.5%	2.2%
25. #6 Polystyrene – Expanded	0.0%	0.0%	0.0%	0.0%	0.0%
26. #6 Polystyrene – Non-Expanded	0.5%	0.0%	0.0%	0.0%	0.0%
27. #7 Biodegradable/Compostable Plastics	0.0%	0.0%	0.0%	0.0%	0.0%
28. Plastic Film	0.5%	0.0%	1.3%	0.0%	2.2%
29. Low-Density Polyethylene and High-Density Polyethylene Film – Products (Non-Packaging)	0.0%	0.0%	0.0%	0.0%	0.0%
30. Plastic Laminates and Other Film Packaging	2.2%	2.1%	1.3%	4.5%	2.2%
31. Other Rigid Plastic Packaging	1.1%	0.0%	0.0%	0.0%	0.0%
32. Durable Plastic Products	1.6%	2.1%	2.6%	4.5%	2.2%
04 Metals	9.7%	0.0%	2.6%	0.0%	2.2%
33. Aluminum Beverage Cans	0.0%	0.0%	2.6%	0.0%	2.2%
34. Aluminum Non-Beverage	3.8%	0.0%	0.0%	0.0%	0.0%
35. Aerosol Containers	0.0%	0.0%	0.0%	0.0%	0.0%
36. Other Aluminum	0.0%	0.0%	0.0%	0.0%	0.0%
37. Steel Beverage Cans	0.0%	0.0%	0.0%	0.0%	0.0%
38. Steel Food Cans	0.0%	0.0%	0.0%	0.0%	0.0%
39. Other Metal	5.9%	0.0%	0.0%	0.0%	0.0%
05 Glass	0.0%	0.0%	0.0%	0.0%	0.0%
40. Glass Beverage Containers	0.0%	0.0%	0.0%	0.0%	0.0%
41. Glass Non-Beverage	0.0%	0.0%	0.0%	0.0%	0.0%

Category	Meewasin Trail – BBQ Pit	River Landing Concession – Lower Path	River Landing Concession – Stairs	Kinsmen Park – Molok Bag	Kinsmen Park – Waste Receptacles
42. Other Glass	0.0%	0.0%	0.0%	0.0%	0.0%
06 Household Hazardous Waste	4.9%	0.0%	0.0%	0.0%	0.0%
43. Household Hazardous Waste	4.9%	0.0%	0.0%	0.0%	0.0%
07 Food Waste	40.5%	18.8%	46.8%	18.2%	4.4%
44. Avoidable Food Waste	30.3%	14.6%	44.2%	13.6%	2.2%
45. Unavoidable Food Waste	10.3%	4.2%	2.6%	4.5%	2.2%
08 Yard Waste	0.0%	0.0%	0.0%	0.0%	53.3%
46. Yard and Garden Debris	0.0%	0.0%	0.0%	0.0%	48.9%
47. Brush and Branches	0.0%	0.0%	0.0%	0.0%	4.4%
09 Waste Electrical and Electronic Equipment	0.0%	0.0%	0.0%	0.0%	0.0%
48. Electronics	0.0%	0.0%	0.0%	0.0%	0.0%
10 Construction and Demolition Wastes	0.0%	0.0%	0.0%	0.0%	0.0%
49. Dimensional Lumber – Untreated	0.0%	0.0%	0.0%	0.0%	0.0%
50. Dimensional Lumber – Treated	0.0%	0.0%	0.0%	0.0%	0.0%
51. Composite Wood	0.0%	0.0%	0.0%	0.0%	0.0%
52. Gypsum Wallboard	0.0%	0.0%	0.0%	0.0%	0.0%
53. Asphalt Roofing Shingles	0.0%	0.0%	0.0%	0.0%	0.0%
54. Mixed Metals	0.0%	0.0%	0.0%	0.0%	0.0%
55. Concrete, Bricks	0.0%	0.0%	0.0%	0.0%	0.0%
56. Ceramics, Porcelain	0.0%	0.0%	0.0%	0.0%	0.0%
57. Carpeting	0.0%	0.0%	0.0%	0.0%	0.0%
58. Other Construction and Demolition Wastes	0.0%	0.0%	0.0%	0.0%	0.0%
11 Bulky Waste	0.0%	0.0%	0.0%	0.0%	0.0%
59. Furniture or Fixtures	0.0%	0.0%	0.0%	0.0%	0.0%

Category	Meewasin Trail – BBQ Pit	River Landing Concession – Lower Path	River Landing Concession – Stairs	Kinsmen Park – Molok Bag	Kinsmen Park – Waste Receptacles
60. Other Large Bulky Items	0.0%	0.0%	0.0%	0.0%	0.0%
12 Household Hygiene	5.4%	25.0%	0.0%	54.5%	2.2%
61. Diapers	2.7%	0.0%	0.0%	0.0%	0.0%
62. Sanitary Products	0.5%	2.1%	0.0%	0.0%	2.2%
63. Pet Waste	2.2%	22.9%	0.0%	54.5%	0.0%
13 Other Materials	0.5%	10.4%	0.0%	0.0%	4.4%
64. Textiles	0.0%	8.3%	0.0%	0.0%	0.0%
65. Tires and Other Rubber	0.0%	0.0%	0.0%	0.0%	2.2%
66. Other Waste	0.0%	2.1%	0.0%	0.0%	0.0%
67. Wood Utensils	0.5%	0.0%	0.0%	0.0%	2.2%
Total	100.0%	100.0%	100.0%	100.0%	100.0%

Table D-2: Waste Composition Results – by Location

Category	Victoria Park – Dog Walking Traffic	Adilman Drive – Dog Walking Traffic	Optimist Park – Play Area	Victoria Park – Play Area	Kiwanis Park – Foot Traffic	Meewasin Trail – Parking Lot
01 Paper	1.6%	7.6%	2.3%	25.0%	15.0%	5.7%
01. Mixed Paper	0.5%	3.0%	0.0%	3.1%	2.3%	2.9%
02. Tissue/Toweling	0.5%	3.0%	1.2%	21.9%	12.2%	0.0%
03. Food Soiled Paper	0.5%	1.5%	1.2%	0.0%	0.5%	2.9%
04. Shredded Paper	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
05. Other Paper – Non-Obligated	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
02 Paper Packaging	4.7%	4.5%	4.7%	28.1%	14.6%	8.6%
06. Corrugated Cardboard	0.0%	0.0%	0.0%	0.0%	2.8%	0.0%
07. Boxboard/Cores	0.0%	3.0%	0.0%	12.5%	3.3%	2.9%

Category	Victoria Park – Dog Walking Traffic	Adilman Drive – Dog Walking Traffic	Optimist Park – Play Area	Victoria Park – Play Area	Kiwanis Park – Foot Traffic	Meewasin Trail – Parking Lot
08. Kraft Paper	0.5%	0.0%	1.2%	3.1%	1.4%	0.0%
09. Molded Pulp	2.1%	0.0%	1.2%	6.3%	0.9%	0.0%
10. Polycoat Beverage Cups	0.5%	0.0%	1.2%	3.1%	4.2%	2.9%
11. Ice Cream Containers and Other Bleached Long Polycoat Fiber	0.0%	0.0%	1.2%	0.0%	0.0%	0.0%
12. Laminated Paper Packaging	0.5%	1.5%	0.0%	3.1%	1.9%	2.9%
13. Spiral Wound Containers	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%
14. Gable Top Containers – Beverage	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15. Gable Top Containers – Non-Beverage	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
16. Aseptic Containers – Beverage	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
17. Aseptic Containers – Non-Beverage	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
03 Plastics	24.7%	9.1%	4.7%	12.5%	16.0%	25.7%
18. #1 Polyethylene Terephthalate Bottles – Beverage	0.0%	0.0%	0.0%	0.0%	3.3%	0.0%
19. #1 Polyethylene Terephthalate Bottles, Jugs, and Jars – Non-Beverage	1.6%	0.0%	1.2%	3.1%	0.0%	2.9%
20. #1 Polyethylene Terephthalate Thermoform	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%
21. #2 High-Density Polyethylene Beverage	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
22. #2 High-Density Polyethylene Non-Beverage	0.0%	0.0%	0.0%	0.0%	0.0%	2.9%
23. #3 Polyvinyl Chloride	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
24. #5 Polypropylene	0.0%	0.0%	1.2%	3.1%	2.8%	2.9%
25. #6 Polystyrene – Expanded	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%
26. #6 Polystyrene – Non-Expanded	0.5%	0.0%	0.0%	0.0%	0.5%	2.9%
27. #7 Biodegradable/Compostable Plastics	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
28. Plastic Film	2.1%	1.5%	0.0%	3.1%	1.9%	2.9%

Category	Victoria Park – Dog Walking Traffic	Adilman Drive – Dog Walking Traffic	Optimist Park – Play Area	Victoria Park – Play Area	Kiwanis Park – Foot Traffic	Meewasin Trail – Parking Lot
29. Low-Density Polyethylene and High-Density Polyethylene Film – Products (Non-Packaging)	1.1%	0.0%	0.0%	0.0%	1.9%	0.0%
30. Plastic Laminates and Other Film Packaging	1.6%	1.5%	1.2%	3.1%	3.3%	5.7%
31. Other Rigid Plastic Packaging	0.0%	4.5%	0.0%	0.0%	0.5%	0.0%
32. Durable Plastic Products	17.9%	1.5%	1.2%	0.0%	0.5%	5.7%
04 Metals	0.0%	1.5%	0.0%	3.1%	1.4%	2.9%
33. Aluminum Beverage Cans	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%
34. Aluminum Non-Beverage	0.0%	0.0%	0.0%	3.1%	0.5%	2.9%
35. Aerosol Containers	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
36. Other Aluminum	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%
37. Steel Beverage Cans	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
38. Steel Food Cans	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
39. Other Metal	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
05 Glass	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
40. Glass Beverage Containers	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
41. Glass Non-Beverage	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
42. Other Glass	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
06 Household Hazardous Waste	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%
43. Household Hazardous Waste	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%
07 Food Waste	5.8%	7.6%	0.0%	9.4%	18.3%	5.7%
44. Avoidable Food Waste	5.3%	7.6%	0.0%	6.3%	15.5%	0.0%
45. Unavoidable Food Waste	0.5%	0.0%	0.0%	3.1%	2.8%	5.7%
08 Yard Waste	0.0%	0.0%	0.0%	0.0%	0.5%	2.9%
46. Yard and Garden Debris	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Category	Victoria Park – Dog Walking Traffic	Adilman Drive – Dog Walking Traffic	Optimist Park – Play Area	Victoria Park – Play Area	Kiwanis Park – Foot Traffic	Meewasin Trail – Parking Lot
47. Brush and Branches	0.0%	0.0%	0.0%	0.0%	0.5%	2.9%
09 Waste Electrical and Electronic Equipment	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%
48. Electronics	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%
10 Construction and Demolition Wastes	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%
49. Dimensional Lumber – Untreated	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
50. Dimensional Lumber – Treated	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
51. Composite Wood	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
52. Gypsum Wallboard	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
53. Asphalt Roofing Shingles	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
54. Mixed Metals	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
55. Concrete, Bricks	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%
56. Ceramics, Porcelain	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
57. Carpeting	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
58. Other Construction and Demolition Wastes	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
11 Bulky Waste	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
59. Furniture or Fixtures	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
60. Other Large Bulky Items	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
12 Household Hygiene	25.3%	1.5%	87.2%	21.9%	30.5%	42.9%
61. Diapers	23.7%	0.0%	0.0%	18.8%	25.4%	0.0%
62. Sanitary Products	0.5%	1.5%	0.0%	3.1%	5.2%	2.9%
63. Pet Waste	1.1%	0.0%	87.2%	0.0%	0.0%	40.0%
13 Other Materials	32.6%	68.2%	1.2%	0.0%	3.3%	5.7%
64. Textiles	27.9%	65.2%	0.0%	0.0%	1.9%	0.0%
65. Tires and Other Rubber	0.5%	1.5%	0.0%	0.0%	0.5%	2.9%

Category	Victoria Park – Dog Walking Traffic	Adilman Drive – Dog Walking Traffic	Optimist Park – Play Area	Victoria Park – Play Area	Kiwanis Park – Foot Traffic	Meewasin Trail – Parking Lot
66. Other Waste	3.7%	1.5%	1.2%	0.0%	0.5%	2.9%
67. Wood Utensils	0.5%	0.0%	0.0%	0.0%	0.5%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%