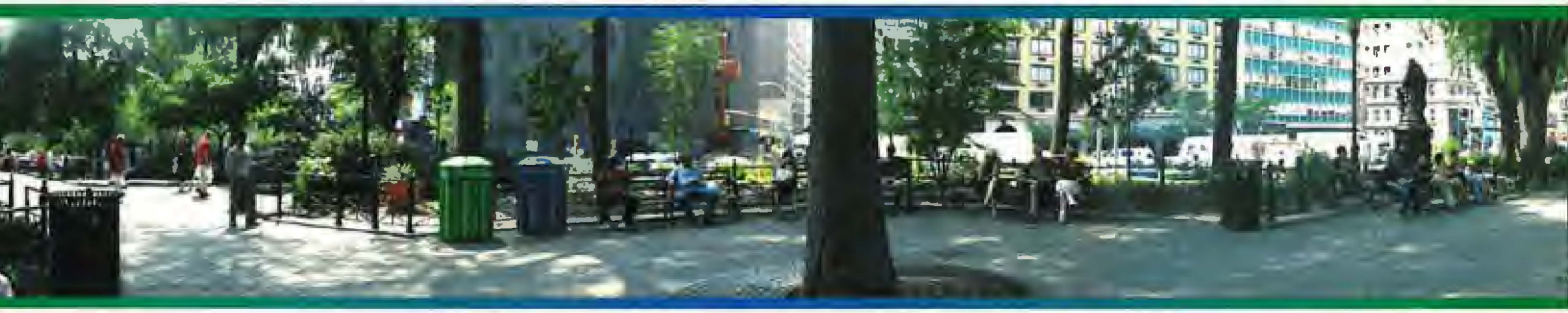
New York City Department of Sanitation
John J. Doherty, Commissioner

New York City Public Space Recycling Pilot Program

Report on Results
September 2007



Prepared by
DSNY Bureau of Waste Prevention, Reuse and Recycling
Robert Lange, Director
2007

Executive Summary

In 2007, a new pilot program for public space recycling of Paper and commingled Metals, Glass and Plastic (MGP) was implemented in selected New York City parks and transit hubs. This program, called for in the City's 2006 Comprehensive Solid Waste Management Plan, evaluated the feasibility and potential for success of public space recycling. The following report looks at the potential for public space recycling to increase the City's waste diversion rate. It considers the challenges to management of a recycling program in public spaces that fall under varying jurisdictions, and comments on the extent to which the choice of site might contribute to or detract from the success of such a recycling program.

The Public Space Recycling Pilot ("the Pilot") was implemented in six parks (one each in Manhattan, the Bronx, Brooklyn and Queens; two in Staten Island), and two ferry terminals (one on Staten Island and the other in Manhattan). Recycling receptacles were specially designed to convey a consistent message with the City's existing residential recycling program for separate collection of Paper (green bins) and Metals, Glass and Plastic (blue bins). Paired sets of these bins were placed in strategic locations to maximize the potential collection in each of the sites. Servicing the recycling bins added a layer of complexity to the existing waste management at these sites and required a close collaboration among DSNY, Parks and DOT to regularly collect materials, maintain the bins, store the bags of materials and set them out for designated pickup and transport to a transfer station.

Public Education about the program took a variety of forms. Poster advertising at phone kiosks, bus shelters and ferry terminals near the Pilot sites publicized the program. In addition, a number of special events were held in which the program was announced and discussed by prominent elected officials. Throughout the Pilot period, Outreach Coordinators from DSNY's Bureau of Waste Prevention, Reuse and Recycling set up informational tables at parks to educate about and reinforce the program.

Materials from the recycling bins at each site were weighed, sorted and categorized as recyclable or contamination. Overall, Paper recycling, by these measures, was a solid success. Contamination of the Paper recycling bins with trash was very low (less than five percent) for all sites combined. While contamination rates varied by location, no rate was larger than 6½ percent. Metals, Glass and Plastic recycling, however, had a high contamination rate of 37 percent for all sites combined. Even the lowest MGP recycling rates, those found at Union Square Park, were still above 20 percent. Interestingly, these results somewhat reflect the City's residential curbside recycling in which contamination of Metals, Glass and Plastic recycling is higher than for Paper.

The amount of waste – including both trash and recycling – collected in the Pilot sites was very small compared to overall residential and other public municipal waste generation. Though very visible to passersby, waste generated in public spaces accounts for a tiny fraction of the total waste stream. DSNY's 2004-2005 Waste Characterization Study estimated that about 47% of waste from street baskets consists of material designated for recycling. That fact, combined with the relatively small amount of waste to start with means that recycling in public spaces will do very little to increase the City's overall diversion rate.

The 2007 Pilot provided insight into the challenges and potential for success of public space recycling in New York City. People understood and participated in Paper recycling, however Metals, Glass and Plastic recycling was more problematic. Locations characterized by heavy commuter use and workday lunch breaks generated larger amounts of recycling with lower contamination rates. Ongoing consistent bin maintenance and monitoring by dedicated and trained staff was crucial to the success of the program.

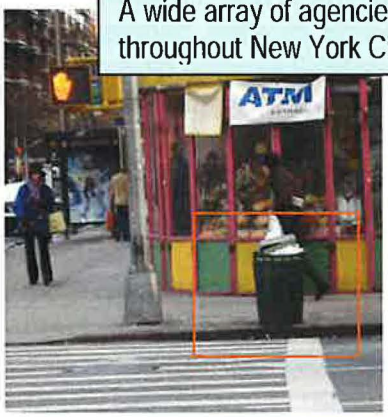
Background

Although public space waste management in New York City appears to the "person in the street" as one system, it is really an array of different arrangements falling under the jurisdiction of different agencies, including the Department of Sanitation ("DSNY"), the Department of Parks & Recreation ("Parks"), the Department of Transportation ("DOT"), the subway and train branches of the Metropolitan Transit Authority ("MTA"), as well as a handful of other federal and state agencies and authorities that maintain public space.

A wide array of agencies and other entities manage different parts of public space waste throughout New York City. Each agency has its own staff, trucks, and methods.

Entity	Manages refuse and recycling from:
NYC Department of Sanitation (DSNY)	Residents, city government institutions and some nonprofits, street baskets
NYC Department of Parks and Recreation	Parks and park facilities/offices
NYC Department of Transportation	Ferry Terminals, Bridges, and DOT facilities/offices
Metropolitan Transit Authority – Metro North	Grand Central Station and other station platforms, Metro North facilities/offices
Metropolitan Transit Authority – NYC Transit	Subway station platforms, NYCTA facilities/offices
Port Authority of New York and New Jersey	Bus terminals, PANYNJ facilities/offices
State and Federal Parks and Office Buildings	Properties managed by New York State or the Federal Government
Maintainers of Privately Owned Public Space	Atriums in office buildings, stadiums, university campuses, certain food establishments

A wide array of agencies and other entities manage different parts of public space waste throughout New York City. Each agency has its own staff, trucks, and methods.



Frequently emptied litter baskets on busy street corners are what New Yorkers expect – and get.

The Department of Sanitation

Among its other responsibilities, DSNY services over 25,000 street baskets that are placed on thoroughfares citywide. Street baskets are concentrated in commercial areas, where they may be emptied as frequently as five times a day. They may also be placed in predominantly residential zones and collected on residential refuse routes along with household trash two or three times a week.

Until the 2007 Public Space Recycling Pilot Program (" Pilot") was initiated, DSNY street baskets were meant purely for refuse. Pedestrians could always bring home and recycle the newspapers, cans, and bottles they consumed in public. For containers covered under the New York State Returnable Container Act (the "Bottle Bill"), redemption at retail outlets was another option for recyclables generated away from home. But DSNY did not offer receptacles dedicated to recycling on the street.

Part of the reason had to do with the poor results that attempts at public space recycling had yielded in the past. In the early 1990's, the Department experimented with the placement of public space recycling receptacles next to street baskets in the commercial area of Park Slope, Brooklyn and around Grand Central Station on 42nd street. Public space recycling in both locations was plagued by extremely high levels of contamination, to the degree that collected material was rejected by recycling processors. These problems persisted despite intensive outreach and education, including the posting of volunteers to verbally instruct users on what not to throw into streetside recycling bins.

Scavengers commonly remove deposit containers from street baskets in NYC.

In Business Improvement Districts (BIDs), private BID staff bag litter basket contents and set them out for DSNY collection.

Business Improvement Districts, or BIDs, collaborate with DSNY to service some street baskets in their areas. In such cases, BIDs deploy private workers to empty baskets into specially marked BID bags and set them next to baskets for DSNY collection. Such operations minimize the problem of overflowing baskets, which may reach capacity even when five times daily collection is provided. But BIDs do not offer streetside recycling.

This litter basket, at the perimeter of Washington Square Park, was placed by and is maintained by the Department of Sanitation.

Department of Parks & Recreation

DSNY's collection responsibilities extend to street baskets placed at the perimeters of parks (with and without BID support). Refuse receptacles placed in the *interior* of parks fall instead under the jurisdiction of the Department of Parks & Recreation, which uses its own fleet of trucks to collect refuse.

Parks has, since Earth Day 1970, experimented from time to time with public space recycling, both at special events and as part of routine operations. There has, however, been no sustained program in place. For Parks, like DSNY, public space recycling has proven extremely labor intensive and costly, yielding low tonnages of highly contaminated material.

The Parks Department manages all refuse collection within Parks, using its own collection vehicles.

Transportation Agencies

Within transportation hubs, responsibility for waste management is still different. The DOT manages public receptacles in the Staten Island Ferry terminals at Whitehall in Manhattan, and in St. George on Staten Island, as well as on the ferries themselves. It also sites baskets on pedestrian areas under its jurisdiction, such as bridges.

DOT manages public space waste in ferry terminals and on New York City's many bridges.

The New York Times designed these newspaper recycling bins for Grand Central Station so that commuters could not retrieve used papers.

The MTA oversees Metro North stations, which are sited on railroads leading out of New York City to destinations upstate and in Connecticut. At Metro North's Grand Central Station and 125th Street Stations – the only two located within NYC jurisdiction – the MTA has placed large newspaper recycling bins in addition to regular refuse bins, but it does not supply recycling bins for bottles and cans.

The MTA also oversees New York City Transit (NYCT), the agency managing subway stations. Rather than offer recycling receptacles on subway platforms, the agency has opted to privately contract for the removal and separation of recyclables post-collection. As of today, NYCT claims high diversion rates through this practice. To the general public, however, there appears to be no recycling arrangements within the subway system.

Recyclables are sorted from subway waste "post-collection".

The Size and Scope of Public Space Waste within New York City

To many people, there seems to be a very large amount of waste generated in public spaces. In fact, some New Yorkers are under the impression that this waste stream is as large as, or even larger than, the residential stream. Trash cans on sidewalks and in parks are very visible waste, and, when refuse is not properly discarded, litter quickly becomes an eyesore. Yet in contrast to the volumes of waste that households and businesses generate, the size of the public waste stream is very small.

A setout of residential of refuse and properly separated paper and metal/glass/plastic recycling for curbside collection. A week and a half's worth of NYC's residential waste equals a year's worth of the city's street basket waste.

The Department of Sanitation keeps data on all the tonnages of waste it collects on a truck by truck basis. On "curbside" or "containerized" routes, DSNY collects over 3.2 million tons of refuse and close to 700,000 tons of recycling a year. On such routes, residential refuse and recycling – generated by single and two family homes as well as apartment buildings of all sizes -- is by far the greatest source of setouts, making up over 90% of curbside/containerized collections. Public institutions, including schools, libraries, and other government offices generate the remaining 10%.

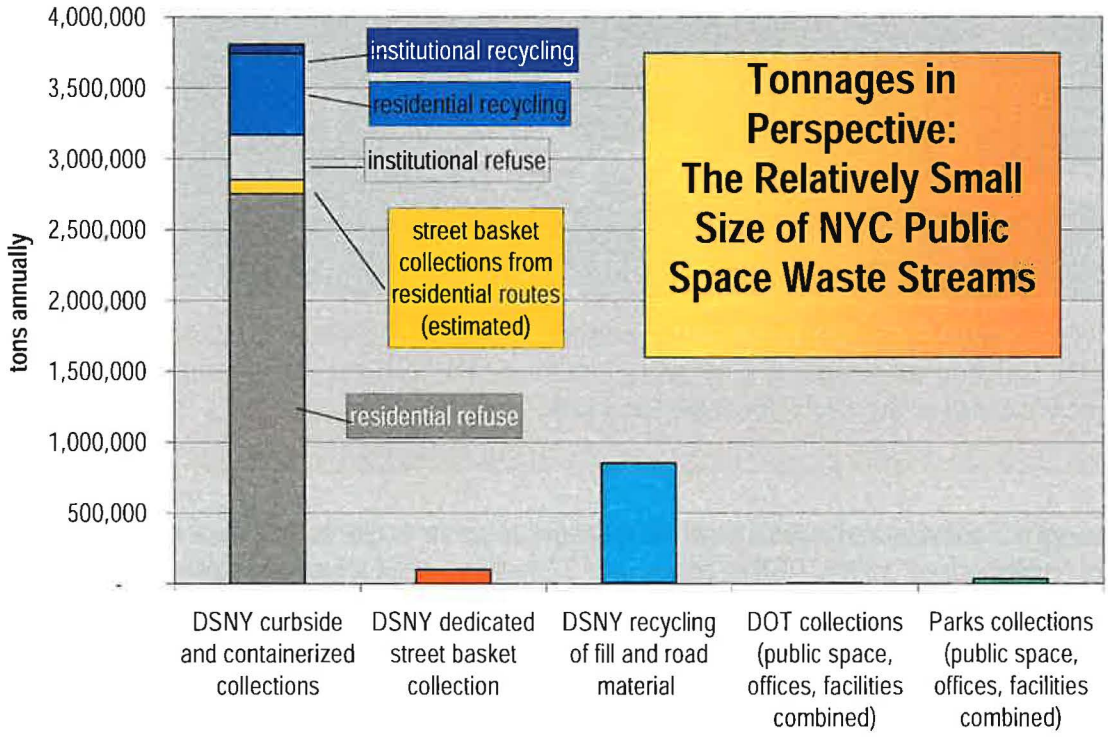
In addition to curbside and containerized collections, DSNY also performs a variety of cleaning functions, which include street sweeping with mechanical brooms, lot cleaning, the removal and reuse of fill and debris from City construction projects, and other maintenance functions. Together, such operations bring in another 950,000 tons of waste annually, over 90% of which is recycled through clean fill and road building applications.

Out of the over 1,300 DSNY collection trucks that service routes each day, about 45 are "dedicated" to collecting nothing but street basket waste along special routes in heavy traffic, commercial areas throughout the City. In comparison to curbside and containerized wastes, dedicated basket route collections are small, bringing in only 99,000 tons in the course of an entire year. The chart on the next page puts the various DSNY managed waste streams in perspective. Recycled quantities are show in shades of blue; curbside containerized segments are show in shades of grey; and waste from dedicated basket routes is highlighted in orange.

As mentioned above, however, some street baskets are not collected on dedicated routes. Street baskets in primarily residential areas, where density is lower and there is not a lot of foot traffic, may be collected along a residential refuse route, and thus their content is not counted in the "dedicated basket tonnage." In such cases, residential, institutional and street basket refuse all goes in one truck, so we can't say for sure how much of residential tonnage comes from baskets on residential routes. However, we can be sure that this tonnage, like

the dedicated basket tonnage, is far less than that generated from apartments, homes, and public agencies. Just think of the number of residences on any street versus the number of street baskets – especially in a quiet residential neighborhood in Queens or Staten Island. If we want to make a very conservative estimate, we might project that another 99,000 tons of street basket waste comes from street baskets in residential areas. Most likely, it is even less than that.

Tonnages of waste generated by Parks and DOT – including public space refuse as well as discards from facilities and offices – are even smaller in comparison to the curbside/containerized stream. Although Parks and DOT venues are high profile and visible, their waste burden in very small.



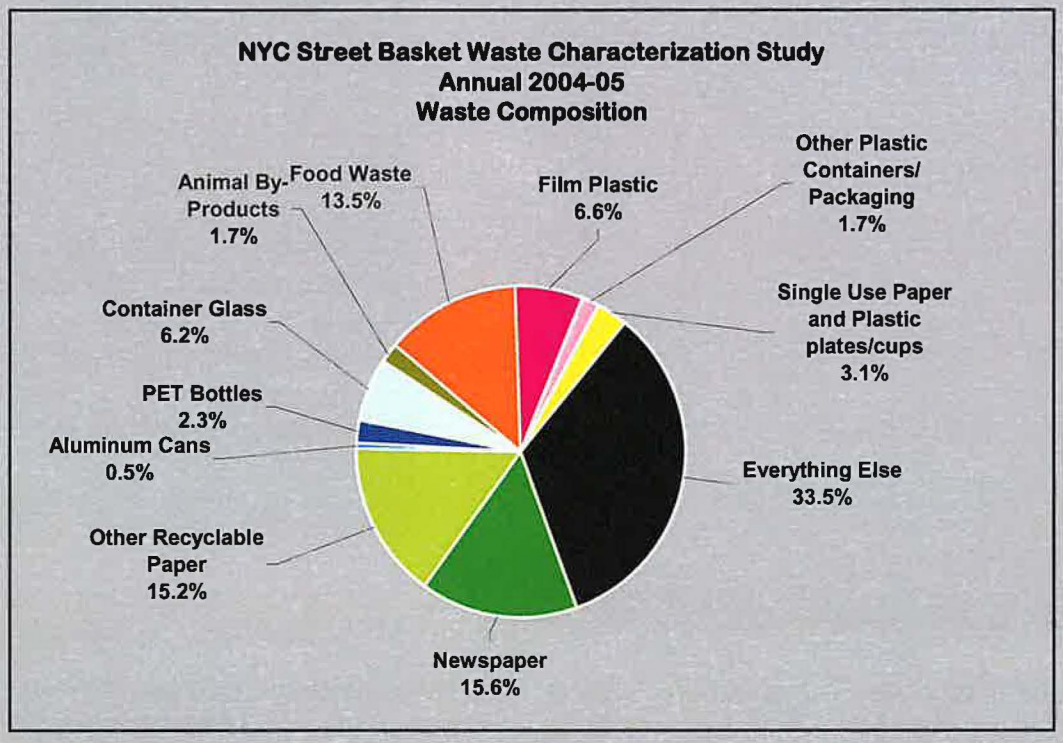
Why Focus on Relative Size?

It is important to keep the size of the public space waste stream in perspective for several reasons. First, it enables us to accurately evaluate the potential of public space recycling to noticeably improve the City's overall diversion rate. At present, the 2006 Solid Waste Management Plan specifies a goal of 25% diversion rate for the street basket, curbside and containerized waste streams combined. Since street basket refuse on dedicated routes make up only 2.5% of all waste, that sets an absolute, theoretical limit on how much diversion could ever be achieved from public space recycling under a scenario in which every scrap of street basket waste were diverted from disposal.

But of course not all street basket contents are recyclable under the current program. DSNY's recent waste characterization study estimated that about 47% of street basket contents consist of paper, metal, glass or plastics materials that are designated for recycling.

STREET BASKET WASTE COMPOSITION

The results of the 2004-05 Residential and Street Basket Waste Characterization Study (WCS, available at www.nyc.gov/nycwasteless) included a detailed, four seasonal analysis of the contents of street baskets along dedicated routes. The findings reflect uses we would expect -- eating on the go, reading newspapers, and cleaning up after dogs. The chart below diagrams the major categories of street basket waste.



In this chart, "Everything Else" consists of a variety of items that are not typical of street use, including yard wastes, lumber, and home products. The WCS estimated that as much of 20% of street basket contents are from residential or commercial sources. It is illegal for a resident or business to use street baskets to dispose of waste, however, the practice is hard to enforce due to the anonymous nature of public space.

A little over 1% (47% of 2.5%) -- that's how much would be added to the diversion rate if every last bit of recycling from every street basket in the City were properly placed in a recycling bin and collected. Obviously, such a scenario would not be possible. No municipality anywhere collects 100% of the recyclables generated, much less from public spaces. An extremely optimistic assumption of a 60% capture rate for public space recyclables reduces the potential contribution to diversion even further, to well below 1%.

RECYCLABLES IN THE STREET BASKET STREAM

Because the street basket component of the WCS used the same 91 sort categories as the residential aspect, we can also characterize how much of street basket waste consists of materials that we ask people to recycle under the curbside recycling program. As shown below, the street basket stream contains a larger percentage of designated recyclables than the residential stream, with newspaper, container glass, and PET bottles the most prominent. It is, however, in much smaller quantities than the residential stream.

		residential waste	street basket waste
Paper	Mixed Paper	12.8%	11.4%
	OCC	2.4%	3.8%
	ONP	7.5%	15.6%
Metal	Aluminum	0.8%	1.0%
	Ferrous	4.0%	4.3%
	Non-Ferrous	0.2%	0.2%
	Other Metal	0.7%	0.5%
Glass	Container Glass	2.5%	6.2%
	Mixed Cullet	1.8%	1.0%
Plastic	HDPE Bottles	0.9%	0.4%
	PET Bottles	1.2%	2.3%
Beverage Cartons		0.5%	0.3%
		35.4%	**47.1%**

A full 47% of the contents of street baskets are materials designated for recycling under the current program in NYC.

An accurate assessment of the extremely small potential for public space recycling to contribute to the diversion rate doesn't mean that it shouldn't be pursued – just that large increases in the overall rate, steps toward the overall goal of 25%, can't be realistically expected from even the most optimistic scenarios of public space recycling at the street level. The same reasoning applies even if we think about diversion from street baskets that are not on dedicated street basket routes, or waste generated under Parks or DOT jurisdiction. In comparison to overall waste, public space waste streams are very, very small.

This fact is consistent with the experience of other cities with public space recycling programs. None of the cities we researched expected public space diversion to measurably influence overall rates or advance the municipality towards goals. In sum, there are good reasons to pursue public space recycling – its educational, symbolic, and anti-litter values – but boosting the City's overall diversion rate is not one of them.

The second reason to be cognizant of the small size of the public space waste stream is to understand the operational and fiscal challenges to making it work, tonnages and diversion rate aside. As we will explore in the next pages, the small volumes of material generated, especially when subject to multiple agency responsibility, make collections operations highly labor intensive – requiring coordination and follow through – and very costly. This may be why so many cities have had problems initiating or sustaining public space recycling programs, as compared to residential arrangements.

Planning the Pilot

Among the new waste prevention, reuse and recycling initiatives called for in the New York City Comprehensive Waste Management Plan of 2006 was a Pilot program to test the feasibility of siting recycling receptacles on streets, within parks, and in transit hubs. DSNY was named as the agency that would oversee the design, implementation and evaluation of the Pilot. Its two decades of experience collecting recyclables and processing with private processors to accept, sort and market the collected materials, prepared it to evaluate feasibility in operational, fiscal, and programmatic terms.


CITY OF NEW YORK
MICHAEL R. BLOOMBERG
MAYOR

DEPARTMENT OF SANITATION
JOHN J. DOHERTY
COMMISSIONER

COMPREHENSIVE SOLID WASTE MANAGEMENT PLAN

SEPTEMBER 2006

Web Site address: www.nyc.gov/sanitation

From the 2006 Comprehensive Solid Waste Management Plan:

2.4.9 Public Recycling
In many parts of the City, including busy commercial streets, parks and transportation facilities, use by large numbers of people leads to significant amounts of waste being deposited in public trash receptacles. Much of this trash is recyclable material such as paper, plastic and glass. However, there are very limited public recycling receptacles on the City's streets, in its parks, or in transportation facilities, thereby causing all of this recyclable material to enter the waste stream and ultimately be exported to landfills or incinerators. Consequently, DSNY will set up a Pilot program to place recycling receptacles for different recyclable materials (i) on one major pedestrian-intensive commercial strip in each borough; (ii) in one park per borough in cooperation with the Parks Department; and (iii) in one major transportation facility or hub in each borough in cooperation with the MTA, in order to test the feasibility of collecting significant amounts of recyclable materials in public places. DSNY will evaluate the plan with an eye towards expanding it to additional locations and will report findings and recommendations to the Council.

The City's Comprehensive Solid Waste Management Plan was issued in September 2006.

The Pilot would need to test how much material would be discarded in recycling bins, as well as how free of contaminants (trash) the bins would be. The analysis portion of the Pilot would quantify how much, and how well, would users of public space recycle, given the chance.

The Pilot would be a chance to gather information on how such a program would be managed. DSNY would collect the material and bring it to contracted processors, but before that point, Parks and DOT staff would have to empty recycling bins and consolidate materials. In addition, the Pilot would provide insight into the experiences of New Yorkers with public space recycling. How would they use the bins? How would the local environment affect the success of the bins? This would be an important part of the story if expanding public space recycling to other locations would be contemplated.

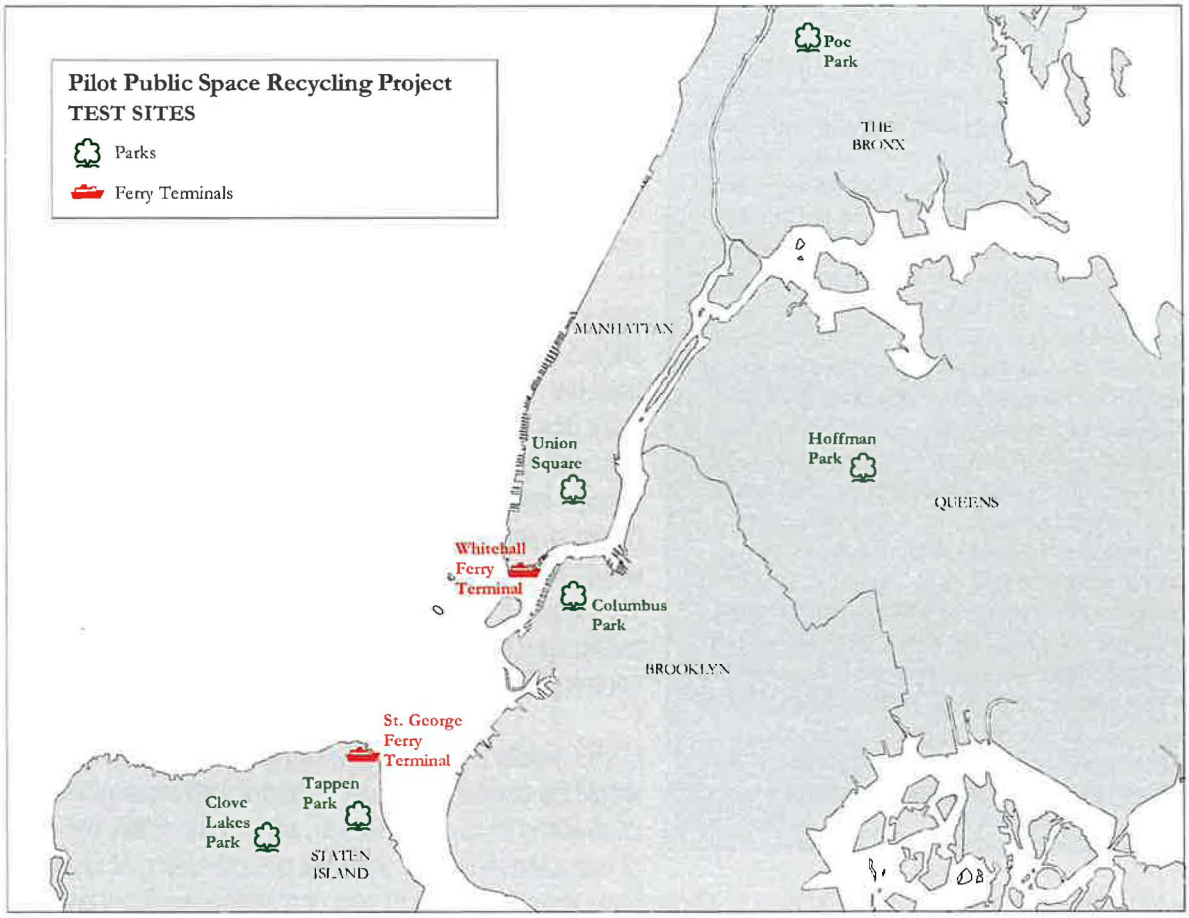
DSNY would oversee the analysis phase of the Pilot, which would be conducted under contract with an engineering firm contracted to carefully weigh, sort, and classify the contents of recycling bins over the Pilot period. Using statistically sound methods, the analysis would quantify how generation (how much) and contamination (how well) varied from site to site, as well as over time.

2007 Public Space Recycling Pilot: Report on Results

Preliminary meetings during December 2006 among the Mayor's Office of Operations, Parks, DOT and DSNY identified the sites and the scope of work for the Pilot. One park in Manhattan, Brooklyn, Queens and the Bronx; and two parks in Staten Island, were proposed, as were the two Staten Island Ferry terminals.

- Union Square Park – Manhattan;
- Poe Park – Bronx;
- Columbus Park – Brooklyn;
- Hoffman Park – Queens;
- Clove Lakes Park – Staten Island;
- Tappen Park – Staten Island;
- Whitehall Ferry Terminal – Manhattan; and
- St. George Ferry Terminal – Staten Island.

Pilot sites are shown below.



DSNY designed and contracted for the recycling receptacles, directing the fabrication of 80 Paper Recycling and 80 MGP recycling bins out of heavy gauge steel. Each bin type had a slot opening tailored to the desired recyclables. DSNY also purchased bag liners for these receptacles, which would be color coded to identify their origin. In total, costs to DSNY for receptacles and bags totaled over $80,000.

A series of meetings between DSNY, Parks and DOT staff between December and March ensured that the responsibilities of each of the agencies was clear, and that all parties had the equipment needed to administer the Pilot.

Slotted opening for Paper (Green); Round Opening for Bottles and Cans (Blue)

It was agreed that the daily maintenance of bins placed within and at the perimeter of test parks, including emptying contents, replacing fresh bin liners, and consolidating material for weekly collection would fall to Parks Department staff. In the ferry terminals, DOT facilities staff would have similar responsibilities, and would transport bagged recyclables to a collection location outside the terminals. DSNY would take charge of weekly collection of consolidated bags, and would supply receptacles, bin liners, and other needed equipment.

The operational arrangements needed to conduct the Pilot shed light on the additional labor and expenditure that would be needed were public space recycling introduced on a permanent basis. In the past, when litter baskets have served to collect everything in public spaces, maintenance and collection arrangements were straightforward – one type of receptacle would be sited where needed. In parks and transit hubs, maintenance staff persons were responsible for lining these baskets or cans with black bags, emptying them when full and replacing liners, and transporting bagged refuse to a location for collection by their own agency's truckfleet on a regular schedule. DSNY street baskets were either unlined, or had liners and associated maintenance handled by BID staff, with DSNY routing one truck to efficiently collect contents from large numbers of baskets several times per day.

The introduction of two additional receptacles added layers of complexity to these operations. The numbers of receptacles would increase -- three would be required where before only one had stood. Containers would need to be lined differently – black for refuse, clear for recyclables. Instead of one agency-specific collection, and one collection truck, three separate collections would be required (or two if a dual-bin truck were used for MGP and Paper collections). In the case of parks and terminals, Parks and DOT would continue to collect refuse at a regular frequency, while DSNY would collect separated MGP and Paper recycling once per week. Parks and DOT staff would have to stockpile, and keep separate, all collected paper and MGP over a week, placing it in a designated site for collection at a specified time. Around the parks, Parks staff would also maintain peripheral recycling bins, while DSNY would continue to be responsible for peripheral litter baskets. The table below summarizes the shift in labor and responsibility.

Regular Refuse Responsibilities

	supplying bags	emptying contents when full	replacing fresh bags	differentiating material by bag color	moving full bags to collection point	collecting/ disposing of bagged contents
Park Interior	Parks	Parks	Parks	N/A	N/A*	Parks
Park Perimeter	N/A**	Sanitation	N/A**	N/A	N/A**	Sanitation
Ferry Terminal	DOT	DOT	DOT	N/A	DOT	DOT

* Parks collects at from each receptacle inside the Park interior

** Except in Business Improvement Districts, Sanitation collects loose litter in litter baskets. In BID areas, BID staff replenish litter basket bags.

Recycling Pilot Program Responsibilities

	supplying bags	emptying contents when full	replacing fresh bags	differentiating material by bag color	moving full bags to collection point	collecting/ recycling of bagged contents
Park Interior	Sanitation	Parks	Parks	Parks	Parks	Sanitation
Park Perimeter	Sanitation	Parks	Parks	Parks	N/A	Sanitation
Ferry Terminal	Sanitation	DOT	DOT	DOT	DOT	Sanitation

Additional responsibility for :						
Parks		√	√	√	√	
DOT		√	√	√	√	
Sanitation	√					√

Publicizing the Pilot Program

In advance of and during the Public Space Recycling Pilot, DSNY mounted an extensive, multifaceted publicity campaign. The cornerstone of the campaign featured large, colorful, information-filled advertising posted in bus shelters and phone kiosks around each park. Similar advertising placed throughout ferry terminals and on the ferries themselves.

The posters reinforce DSNY's blue / green color themes for source separated recycling.

The advertising was designed to alert the public of the nearby opportunity to recycle and to encourage them to use the bins. The design and content of the ads were carefully planned to reinforce DSNY's consistent approach to educating residents about NYC's dual stream recycling program. This approach centers on making the distinction between paper and cardboard recycling (associated with the color green) and commingled metal/glass/plastics recycling (associated with the color blue).

The green / blue distinction was highlighted on the posters, and repeated again on the coloration and signage on the public space recycling bins themselves. While the actual bins served as on-point education, the ads place in surrounding areas introduced, encouraged, and reinforced with the streams of pedestrians coming and going from the bin sites.

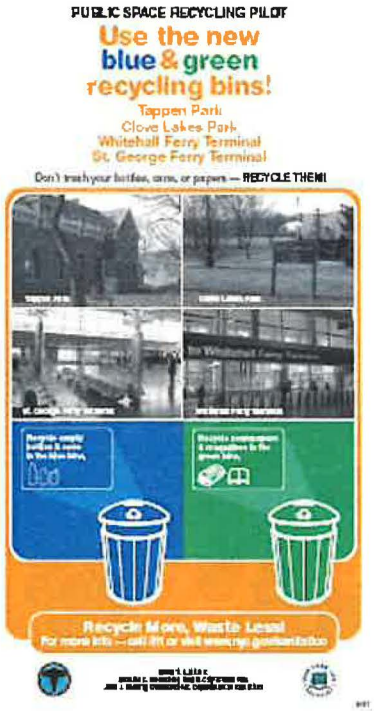
The tables on the next page summarize the numbers of phone kiosk and bus shelter posters that were placed around each site. The variation in the number of placements had to do with the availability of advertising space near the sites.

2007 Public Space Recycling Pilot: Report on Results

Outdoor Advertising around Parks	Manhattan	Bronx	Brooklyn	Queens	SI	SI
	Union Square	Poe	Columbus	Hoffman	Clove Lakes	Tappen
phone kiosks	3	14	4	2	0	3
bus shelters	2	3	1	3	0	2

Indoor and Outdoor Advertising in the Ferry System	Manhattan	SI	
	Whitehall	St. George	Ferry Boats
bus shelters	0	4	
wall posters	14	20	60

Publicity was reinforced with print advertising in Manhattan and Staten Island newspapers, according to the schedule below. Below on the left is a full page print ad that ran in the Staten Island Advance. Other ads ran in Manhattan community papers.



Print Advertising		
Monday, March 26, 2007	**Our Town**	1/4 page ad
Thursday, March 29, 2007	**Our Town, West Side Spirit**	1/4 page ads
Sunday, April 01, 2007	**SI Advance**	full page ad
Monday, April 16, 2007	**Our Town**	1/4 page ad
Thursday, April 19, 2007	**Our Town, West Side Spirit**	1/4 page ads
Monday, May 07, 2007	**Our Town**	1/4 page ad
Thursday, May 10, 2007	**Our Town, West Side Spirit**	1/4 page ads

Special Events

Special events were another way the program was promoted. On March 28th, Mayor Michael R. Bloomberg, City Council Speaker Christine C. Quinn, Sanitation Commissioner John J. Doherty, and Sanitation & Solid Waste Management Chair Michael McMahon convened a press conference at the St. George Staten Island Ferry Terminal to announce the beginning of the Pilot program. Parks & Recreation Commissioner Adrian Benepe and Transportation Commissioner Iris Weinshall joined the Mayor.

New York City Department of Sanitation Commissioner John J. Doherty: "The Public Space Recycling Pilot will demonstrate how much recyclable material we can capture from our litter basket waste stream... The Department's recently-released comprehensive Waste Characterization Study found that as much as 50% of the contents of the city's 25,000 litter baskets could be recycled, especially plastic and glass bottles, aluminum cans and newspapers. This Pilot will move us closer to our 'three R's' goal of reducing, reusing and recycling much of our solid waste stream."

REMARKS AT MAYORAL PRESS CONFERENCE, MARCH 28, 2007

Mayor Michael R. Bloomberg: "Today, we are acting on our commitment to pursue new, innovative initiatives and enhance our recycling efforts. If this pilot program is successful, we hope to expand it to other parts of our City and raise our public space recycling to unprecedented levels. If all of us do our small part, we can make a big difference for our City."

New York City Council Speaker Christine Quinn: "Summer is fast approaching, and New Yorkers are increasingly spending more time outdoors in our parks and throughout the City...Whether we are home or out enjoying all New York has to offer, it's important that we do our part to reduce waste, litter and pollution. These new bins will provide more opportunities for everyone to pitch in and recycle, making our city a cleaner and greener place."

New York City Council Sanitation and Solid Waste Management Committee Chair Michael McMahon: "I am very pleased that the Administration is following through on the commitments made in the Solid Waste Management Plan for a public recycling Pilot in each borough. We must do everything possible to become a sustainable city, which includes recycling as much of our waste as possible. We hope that this will encourage people to recycle in public places and for the City to reach its recycling goals."

New York City Department of Parks & Recreation Commissioner Adrian Benepe: "New Yorkers can act locally to make a 'greener' city by recycling in their local parks, starting with this Pilot project. The six parks chosen for this program are important public spaces and offer an excellent opportunity for New Yorkers to continue the practice of recycling outside of their homes and offices. We look forward to working with the Department of Sanitation and Department of Transportation to implement this exciting initiative."

New York City Department of Transportation Commissioner Iris Weinshall: "Many of us pick up a newspaper and a drink for the ferry ride across the harbor, so placing the recycling bins in the terminals is a great idea. I encourage everyone to drop their recyclables in these bins and help keep our new terminals clean."

2007 Public Space Recycling Pilot: Report on Results

Starting early on the morning of Monday, April 2nd, Recycling Outreach Coordinators from DSNY's Bureau of Waste Prevention, Reuse and Recycling began handing out morning copies of the daily Metro wrapped in promotional flyers to commuters as they filed through the St. George Ferry Terminal.

DSNY's eight member Outreach Team was cheered on by blue and green bin characters, who posed for photos and reinforced the recycling message.

Outreach Coordinators from DSNY's Bureau of Waste Prevention, Reuse and Recycling Promote the Public Space Recycling Pilot amid throngs of morning commuters at the St. George Ferry Terminal.

During the evening rush hour at the Whitehall Ferry Terminal, the same team handed out free bottles of water with a custom label publicizing the program. Promotions during the morning/evening commute were carried out daily for the first week of the Pilot.

Outreach Coordinators from DSNY's Bureau of Waste Prevention, Reuse and Recycling returned in the evening to promote the Public Space Recycling Pilot as commuters returned home, passing through the Whitehall Ferry Terminal.

Outreach Coordinators from DSNY's Bureau of Waste Prevention, Reuse and Recycling set up informational tables at Parks throughout the Pilot period.

Throughout the Pilot, DSNY outreach teams conducted tabling in the Pilot parks to reinforce the program, distributing water bottles and educational literature.

2007 Public Space Recycling Pilot: Report on Results

On Wednesday, April 18th, Parks & Recreation Commissioner Adrian Benepe, Department of Sanitation Commissioner John J. Doherty, and Union Square Partnership Executive Director Jennifer Falk showcased the program's recycling bins at Union Square Park.

Left to right: blue bin character, Parks Commissioner Adrian Benepe, Sanitation Commissioner John J. Doherty, Union Square Partnership Executive Director Jennifer Falk, green bin character.

The Analysis Phase of the Pilot

For the materials sampling and statistical analysis portion of the Pilot, DSNY engaged the services of Henningson, Durham & Richardson Architecture & Engineering, PC ("HDR"), under an existing contract. HDR laid out the goals of their study as follows:

- Estimate total weight of material deposited in Recyclable Paper and MGP receptacles over a three month trial period;
- Estimate total weight of unacceptable or contaminant material deposited in Recyclable Paper and MGP receptacles over a three month trial period;
- Estimate percentage of contaminant material deposited in Recyclable Paper and MGP receptacles, respectively, over a three month trial period;
- Estimate average weight per bag.

The analysis phase of the Pilot was scheduled to begin on April 3, 2007 and end June 26, 2007, although bins would remain in place after that date. Recycling receptacles were placed in pre-selected locations of each site starting Friday, March 23rd and all were in place by March 28th.

DSNY delivered plastic bag liners during this period to Parks or DOT personnel at each site. The chart below summarizes the color coding for bags that were distributed. The color coding would enable DSNY and HDR to distinguish contents by site and by paper or MGP "stream." Additional color coding would distinguish collections from park interiors (which normally fall under Parks jurisdiction for waste management) and park Perimeters (which fall under DSNY jurisdiction).

	Paper	MGP
All Parks - Interior	Yellow	White
All Parks - Perimeter	Clear	Clear
Whitehall Ferry Terminal	Red*/Clear	Orange
St. George Ferry Terminal	Green	Blue

* due to staff confusion between red and orange during the first weeks of the Pilot, the color coding for Whitehall was changed to clear for Paper.

All materials deposited in recycling receptacles at the Pilot sites were sealed in appropriately colored bags prior to pick up in DSNY collection vehicles. Materials placed by the public on the ground directly adjacent to the recycling receptacles were collected by hand and included in appropriate bags.

Occasionally items were left next to bins. In such cases they were collected with bin material.

Sanitation workers unload collections, which are separated in a dual bin truck. DSNY supervisors and staff from DSNY's Operations Management Division ensured tracking of origins of all collections.

DSNY collected all material on Tuesday of each Pilot week, generally between 6AM and 8AM. Collections were delivered to Southwest Brooklyn Marine Transfer Station for characterization. DSNY supervisor staff accompanied collections trucks to track bag counts, estimate volumes collected, and ensure that no material from one site was mixed with material from another. This required the use of separate dual bin trucks assigned to collection from each park or terminal[1]. DSNY posted supervisory personnel on-site at all times during scheduled delivery of materials to oversee tipping and unloading.

As deliveries were made, both DSNY and HDR personnel counted and re-counted the numbers of bags, cross-checking counts so as to ensure that all bags had been properly tracked. Starting each Wednesday, bags were individually weighed. If the number of bags exceeded the planned number needed for a representative sample for that day, a random sample of bags was selected for sorting. Otherwise, all bags were sorted.

In this scene, orange bags of MGP from Whitehall Terminal are counted and recounted by personnel from DSNY's Operations Management Division, and by consultants.

Sorting consisted of opening bags onto sort tables and dividing contents of each recyclable stream into two separate categories, Acceptable (i.e. designated recyclables for each stream) and Unacceptable (non-designated recyclables for each stream.) Unacceptable items included anything *not* designated for recycling under NYC's current curbside program, as well as designated paper mixed with MGP or designated MGP mixed with Paper.

Stream	**Paper**	**MGP**
Acceptable **Designated Recycables**	Newspaper, magazines, white office paper, mixed paper (junk mail, envelopes, folders, etc.), paper bags, cardboard	Metal cans, metal objects, plastic bottles and jugs, glass bottles and jars, milk and juice cartons
Unacceptable	Tissues, napkins, coated papers, paper cups or plates, food wastes and other putrescible materials, designated MGP recycling, all other materials.	Plastic tubs, trays, wraps, cups, cutlery, or any other plastic item; plate glass, ceramics, mirrors; food wastes and other putrescible materials, designated Paper recycling, all other materials.

[1] In Manhattan, Union Square and Whitehall collections were handled by one truck for the first weeks of the Pilot. When Whitehall changed from red to clear bags, two trucks were assigned.

DSNY provided a container into which the non-recyclable unacceptable materials were placed post sampling, sorting and weighing. This removed contamination would ultimately be disposed of as refuse. Acceptable paper and MGP streams would be placed in clear plastic bags, also for DSNY collection, for delivery to recycling processors.

A consultant carefully examines the contents of a paper recycling bin, sorting acceptable from unacceptable material. Note the post-sort refuse container and bags of sorted recyclables in the background.

HDR's own report, appended to this document, goes into great detail about the weighing, counting, sampling and sorting methodology, with extensive information as to how statistics were calculated. HDR's statistics were designed to estimate one specific measure -- *percent contamination* – within a range ± 5 percentage points at a minimum 90% confidence level. Rates of contamination were calculated for 28 different levels of observation, or "strata", as follows:

- Two levels of recyclables: Paper and MGP
- Six parks: Union Square, Poe, Columbus, Hoffman, Clove Lakes and Tappen
- Two locations at parks: interior and perimeter
- Two ferry terminals: Whitehall and St. George (with only interior locations)

results

Paper Recycling*

Site	Location	Number of Collected Bags	Total Collected over 12 week period (lbs)	Percent Contamination Estimate	Average weekly weight per bag (lbs)	number of bins	Average weekly weight per bin (lbs)
Parks							
Manhattan: Union Square	Perimeter	332	7,374.3	3.4%	22.2	16	38.4
	Interior	51	800.7	2.2%	15.7	2	33.4
	Total	383	8,175.0	3.2%	21.3	18	37.8
Bronx: Poe	Perimeter	59	536.9	46.4%	9.1	6	7.5
	Interior	21	155.1	41.6%	7.4	2	6.5
	Total	80	692.0	45.3%	8.6	8	7.2
Brooklyn: Columbus	Perimeter	113	1,954.3	2.3%	17.3	6	27.1
	Interior	79	1,586.7	3.4%	20.1	2	66.1
	Total	192	3,541.0	2.8%	18.4	8	36.9
Queens: Hoffman	Perimeter	78	1,538.2	9.5%	19.7	6	21.4
	Interior	20	112.2	25.0%	5.6	2	4.7
	Total	98	1,650.3	10.6%	16.8	8	17.2
Staten Island: Tappen	Perimeter	71	638.7	14.4%	9.0	6	8.9
	Interior	21	189.6	12.6%	9.0	2	7.9
	Total	92	828.3	14.0%	9.0	8	8.6
Staten Island: Clove Lakes	Perimeter	28	355.4	2.5%	12.7	4	7.4
	Interior	37	236.5	9.3%	6.4	4	4.9
	Total	65	591.9	5.4%	9.1	8	6.2
Total Perimeter		681	12,398.0	6.3%	18.2	44	23.5
Total Interior		229	3,080.7	6.9%	13.5	14	18.3
Total Parks		910	15,478.0	6.4%	17.0	58	22.2
Ferry Terminals							
Whitehall	Interior	642	10,359.0	3.5%	16.1	9	95.9
St. George	Interior	213	5,532.5	2.7%	26.0	13	35.5
Total Ferry Terminals		855	15,892.0	3.2%	18.6	22	60.2
Grand Total		**1,765**	**31,370.0**	**4.8%**	**17.8**	**80**	**32.7**

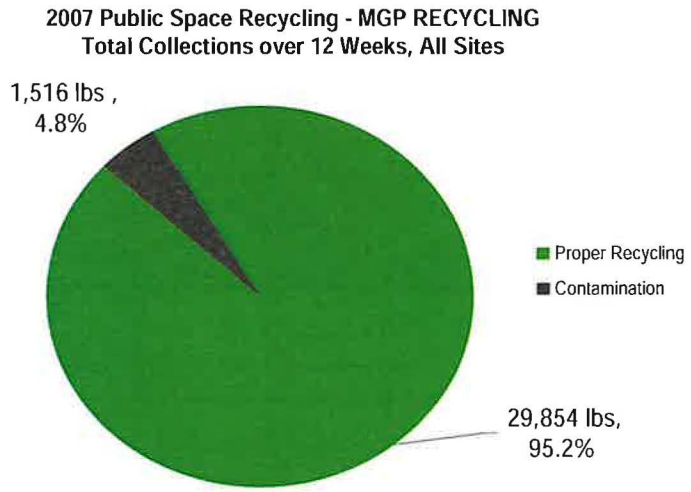
* data here are reproduced from HDR's Public Space Recycling Pilot Program Final Report. See their results for full data.

The chart above presents the overall findings for Public Space Paper Recycling. Findings are discussed on the next pages in more detail. Full results are in HDR's Final Report, appended in Appendix II.

Results

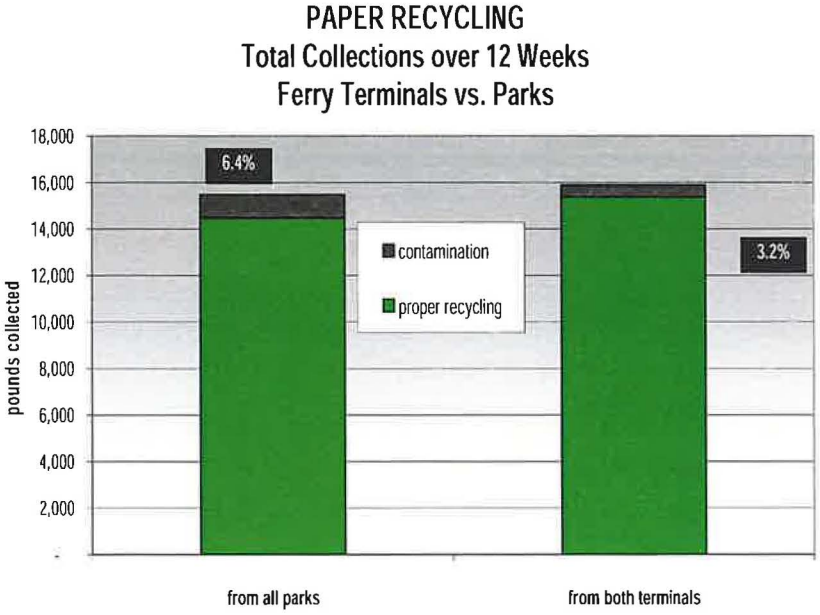
Paper Recycling

The first and most unexpected result of the Public Space Recycling Pilot was the very low rate of contamination of paper collections at most, but not all, of the test sites. Overall, out of 31,370 pounds of Paper Recycling collected during the Pilot, only 1,516 pounds were **not** designated paper recyclables.



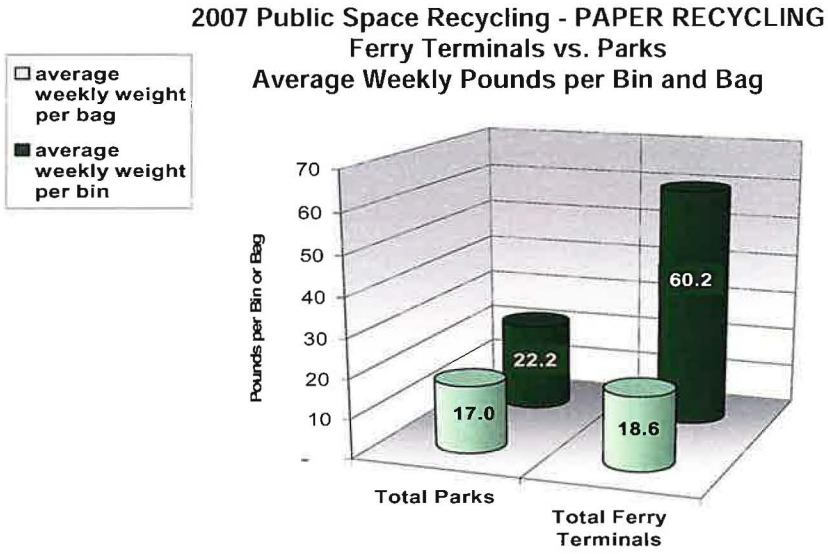
Terminals vs. Parks

Contamination rates were lower in the ferry terminals than in the parks. The chart below summarizes the average rates of contamination in both terminals vs. that of all the parks combined.



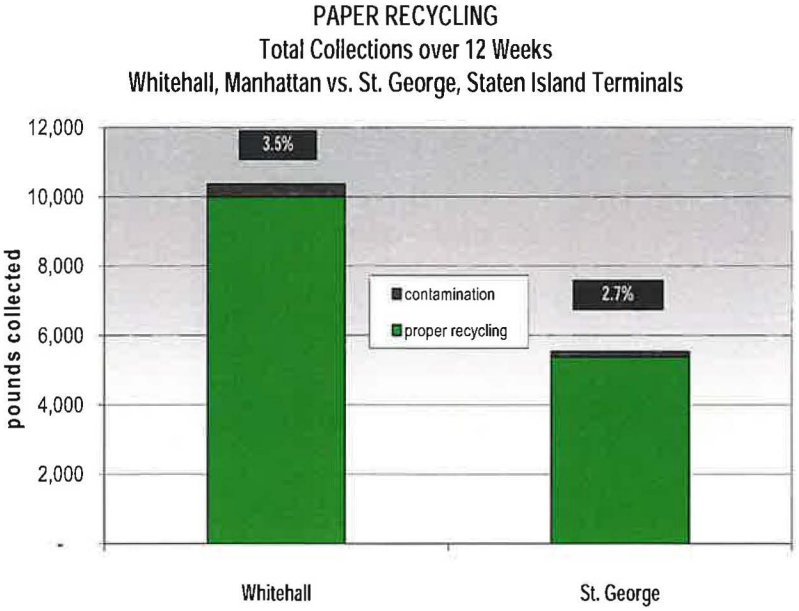
The fact that more Paper Recycling was collected from parks than ferry terminals is not surprising because there were more parks (and more bins in parks) than ferry terminals.

One way to make comparisons among sites that takes variations in numbers of bins into account is to calculate collections on a *per bin* basis. We standardize the total collection weights by the number of bins available at each site, on an average weekly basis, to get a sense of how much each bin was taking in over the week, in total.



We can compare this average to another calculation, average bag weight per week, to get a sense of how often bags were being replaced. If the weight per week per bin is substantially higher than per bag, then we know that several bags were needed to handle the material from one bin that week. If the two weights are close, then we know that probably one bag was all that was needed for the week.[2]

Using this form of comparison, we see that more was generated in the ferry terminals than in the parks on a per bin basis. Per bag weights were much closer. This suggests that the rate of bag replacement at terminals was more frequent at the terminals than within parks, which would make sense given the large concentrations of commuters passing through St. George and Whitehall during the morning and evening rush hours.

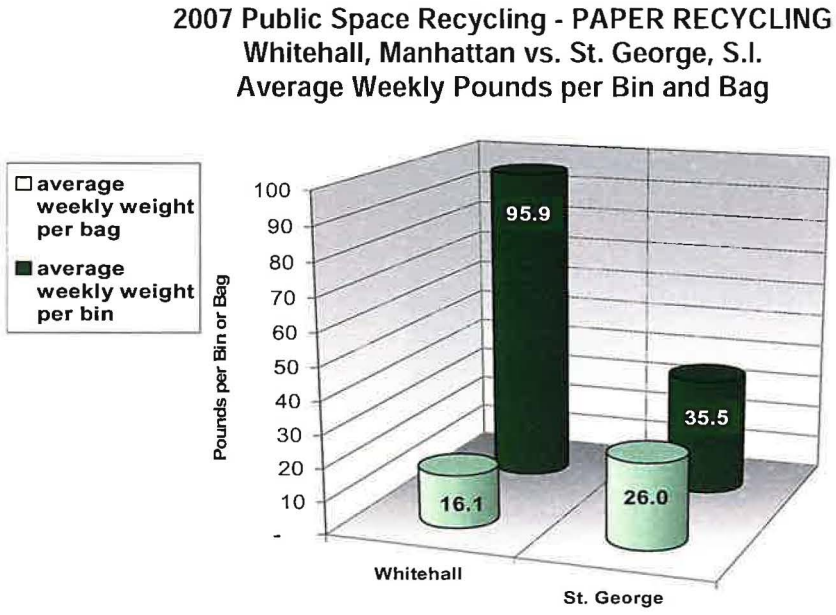


Whitehall Terminal vs. St. George Terminal

Although both terminals had low contamination rates for Paper recycling, substantially more paper was collected from the Whitehall Terminal in Manhattan than from the St. GeorgeTerminal.

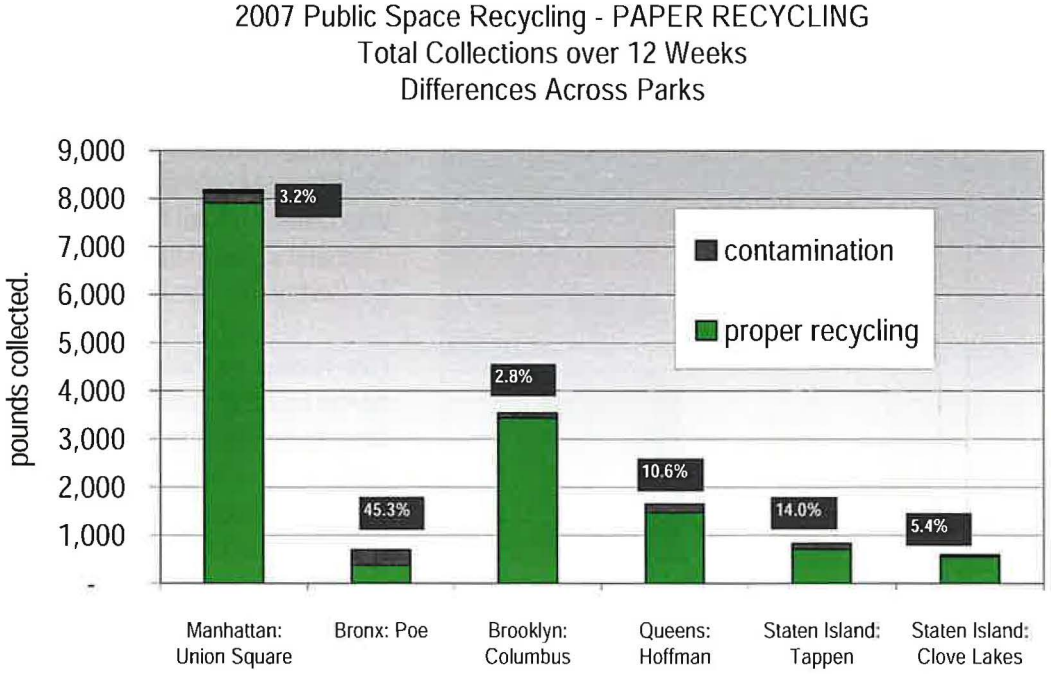
One reason for this discrepancy may be the fact that commuters are more likely to be reading newspapers in the morning, and the vast majority of morning commute trips come *from* Staten Island to Manhattan than in the opposite direction. On a total, per bag, and per bin basis, collections from the former outweighed the latter.

[2] Because we are looking at averages of the course of the Pilot, and because rates of filling bags vary, bag to bin ratios will not be whole numbers.

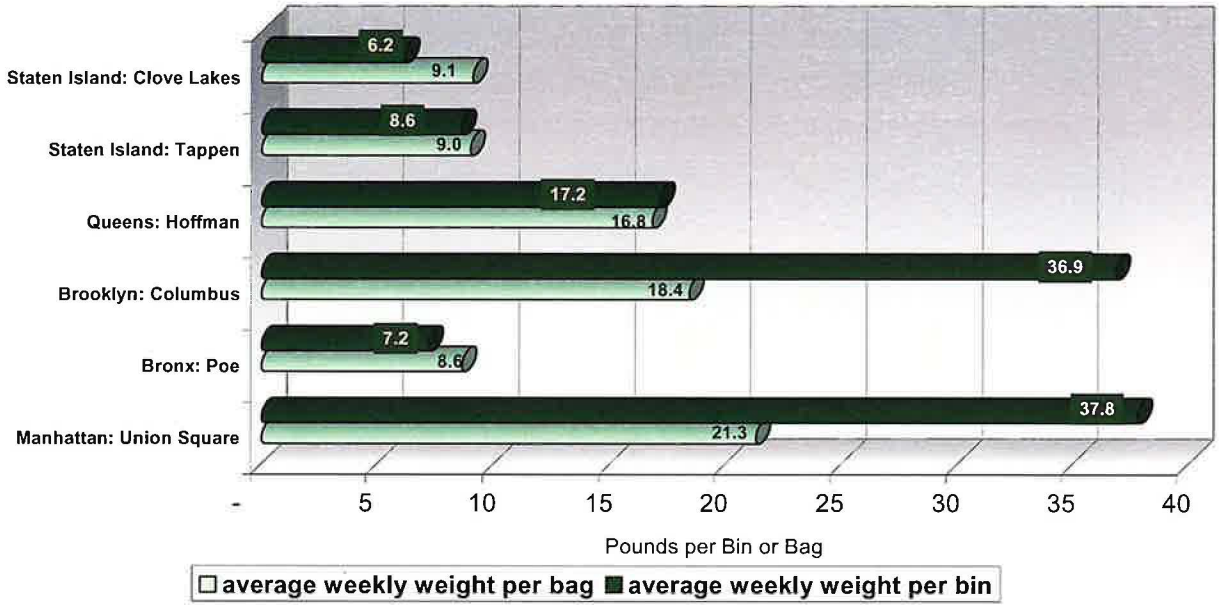


Variation Among Parks

Rates of paper contamination, as well as average per bin/per week pounds of paper collected, varied substantially by park, with Poe Park in the Bronx standing out as having high rates of contamination and low rates of collection as opposed to the other parks. Reasons for this discrepancy may have to do with the fact that users of this park are less likely to be reading newspapers than users of other parks, since they tend to be families with young children more than commuters coming out of subways or workers on lunch breaks (see Appendix I for a profile of each park).



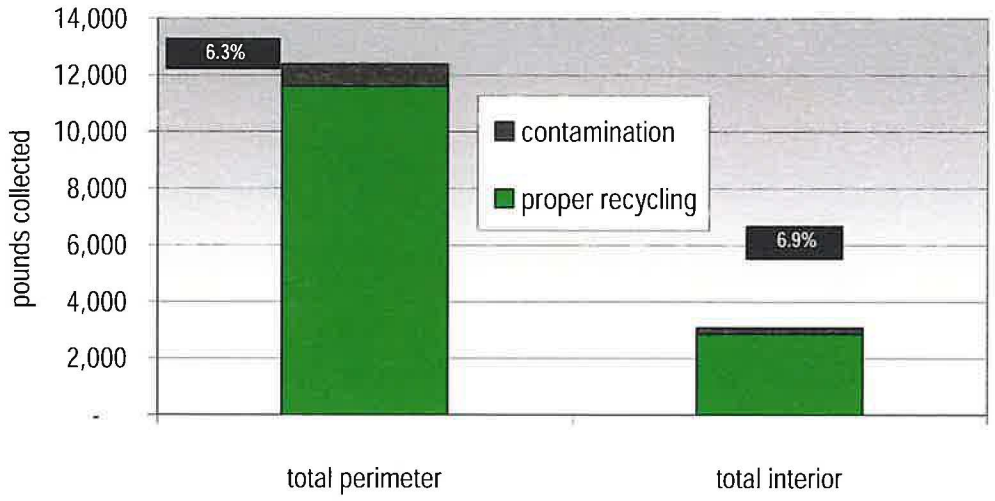
2007 Public Space Recycling - PAPER RECYCLING Average Weekly Pounds per Bin and Bag: Comparisons Across Parks



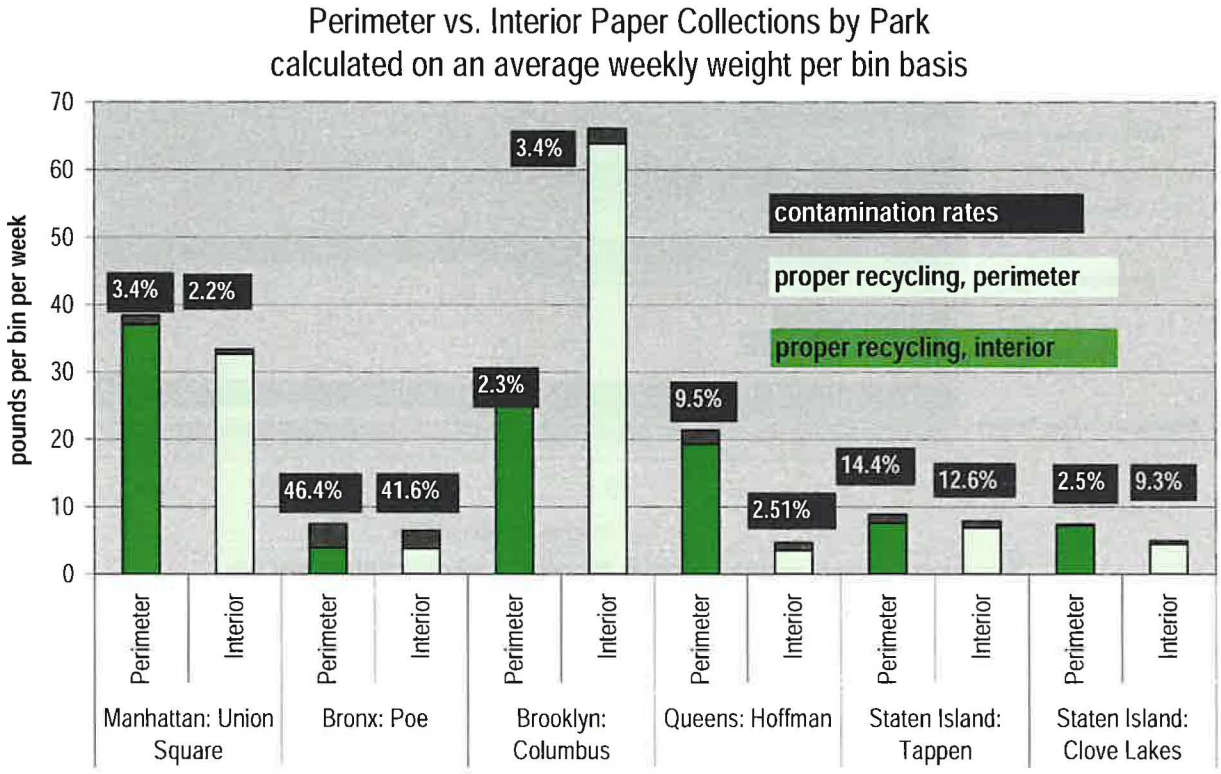
Perimeters vs. Interiors

Overall, residents tended to use the Paper Recycling bins sited at the perimeters of parks more than those sited in interiors.

PAPER RECYCLING Total Collections over 12 Weeks Park Perimeter vs. Park Interior



Although in all but Clove Lakes Park there were more bins placed at park perimeters than interiors, we can compare the weights of collected paper on a *per bin* basis between parks perimeters and interiors to see what type of bin placement yielded the most.



Metal/Glass/Plastics Recycling*

Site	Location	Number of Collected Bags	Total Collected over 12 week period (lbs)	Percent Contamination Estimate	Average weekly weight per bag (lbs)	number of bins	Average weekly weight per bin (lbs)
Parks							
Manhattan: Union Square	Perimeter	386	5,167.6	27.4%	13.4	16	26.9
	Interior	58	721.2	22.9%	12.4	2	30.1
	Total	444	5,888.8	26.8%	13.3	18	27.3
Bronx: Poe	Perimeter	66	840.8	60.8%	12.7	6	11.7
	Interior	24	264.4	54.5%	11.0	2	11.0
	Total	90	1,105.2	59.3%	12.3	8	11.5
Brooklyn: Columbus	Perimeter	82	767.1	37.0%	9.4	6	10.7
	Interior	61	670.8	41.7%	11.0	2	28.0
	Total	143	1,437.9	39.2%	10.1	8	15.0
Queens: Hoffman	Perimeter	72	794.9	41.4%	11.0	6	11.0
	Interior	23	153.4	37.4%	6.7	2	6.4
	Total	95	948.3	40.6%	10.0	8	9.9
Staten Island: Tappen	Perimeter	63	550.2	46.2%	8.7	6	7.6
	Interior	23	146.1	41.6%	6.4	2	6.1
	Total	86	696.3	45.2%	8.1	8	7.3
Staten Island: Clove Lakes	Perimeter	37.00	195.9	38.6%	5.3	4	4.1
	Interior	44.00	314.8	38.7%	7.2	4	6.6
	Total	81.00	510.7	38.7%	6.3	8	5.3
Total Perimeter		706	8,316.5	34.5%	11.8	44	15.8
Total Interior		233	2,270.7	36.8%	9.7	14	13.5
Total Parks		939	10,587.0	35.0%	11.3	58	15.2
Ferry Terminals				**0.0%**			
Whitehall	Interior	597	5,667.0	42.9%	9.5	9	52.5
St. George	Interior	188	2,480.7	35.2%	13.2	13	15.9
Total Ferry Terminals		785	8,147.7	40.6%	10.4	22	30.9
Grand Total		**1,724**	**18,735.0**	**37.5%**	**10.9**	**80**	**19.5**

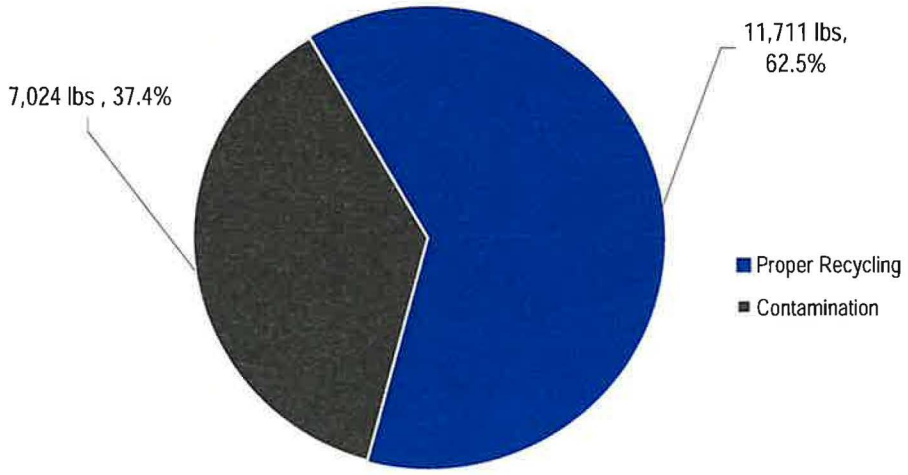
* data here are reproduced from HDR's Public Space Recycling Pilot Program Final Report. See their results for full data.

The chart above presents the overall findings for Public Space MGP Recycling. Findings are discussed on the next pages in more detail. Full results are in HDR's Final Report, appended in Appendix II.

Metal / Glass / Plastics (MGP) Results

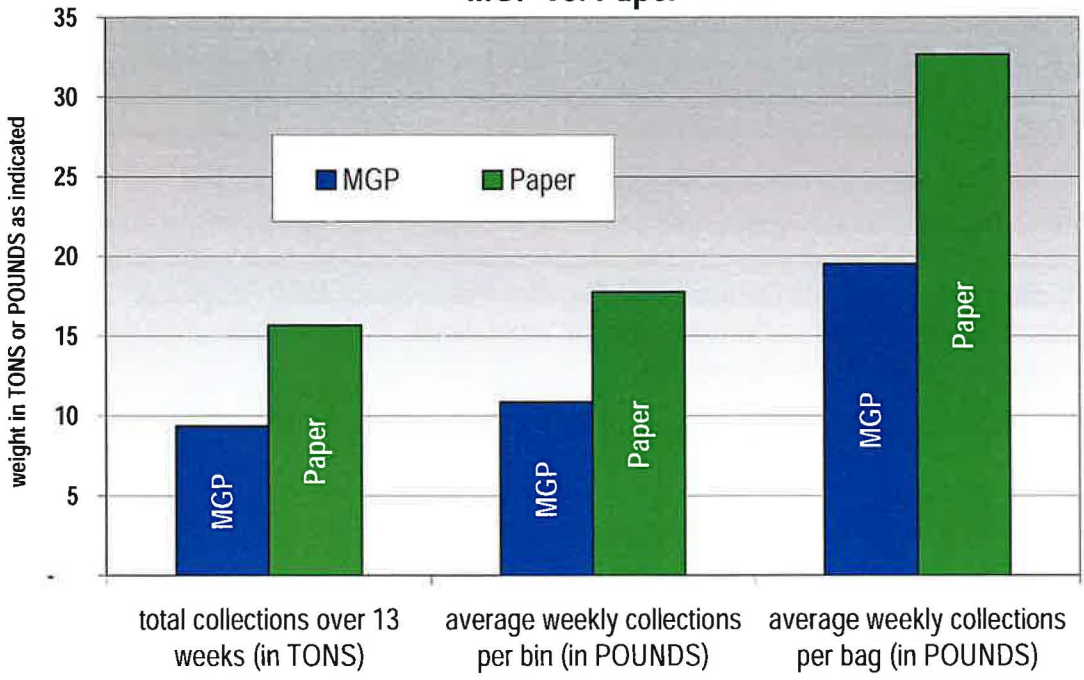
In contrast to Paper recycling in parks and terminals, the contents of bins designed for bottles and cans (MGP recycling) was quite contaminated. Out of the 18,735 pounds collected over the 13 weeks of the Pilot, over seven thousand, or 37%, were materials other than those designated for MGP recycling.

2007 Public Space Recycling - MGP RECYCLING
Total Collections over the Course of the Pilot, All Sites



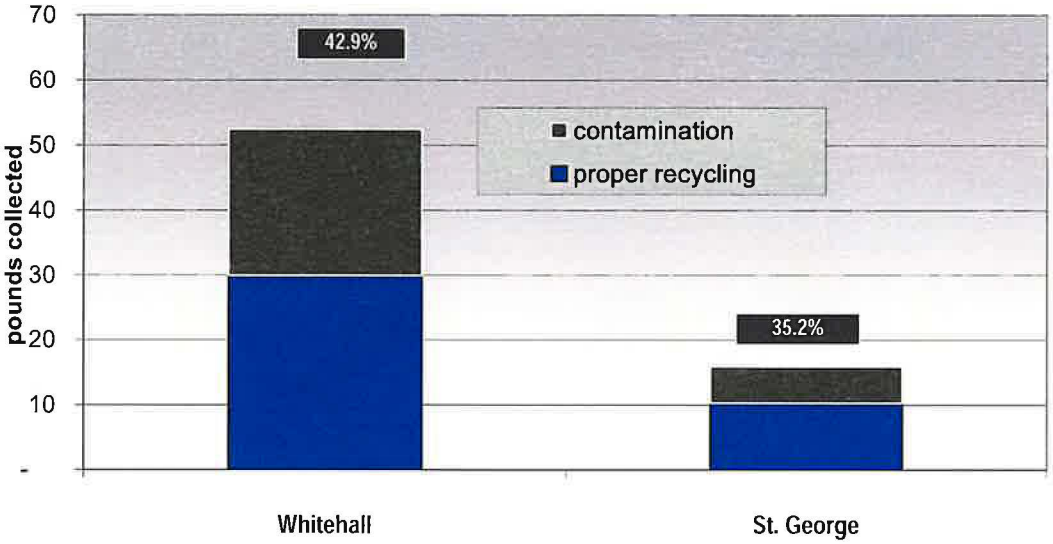
On a per total, per bin, and per bag basis, MGP collections were also consistently lower than Paper collections.

Weight of 2007 Public Space Recycling Collections: MGP vs. Paper



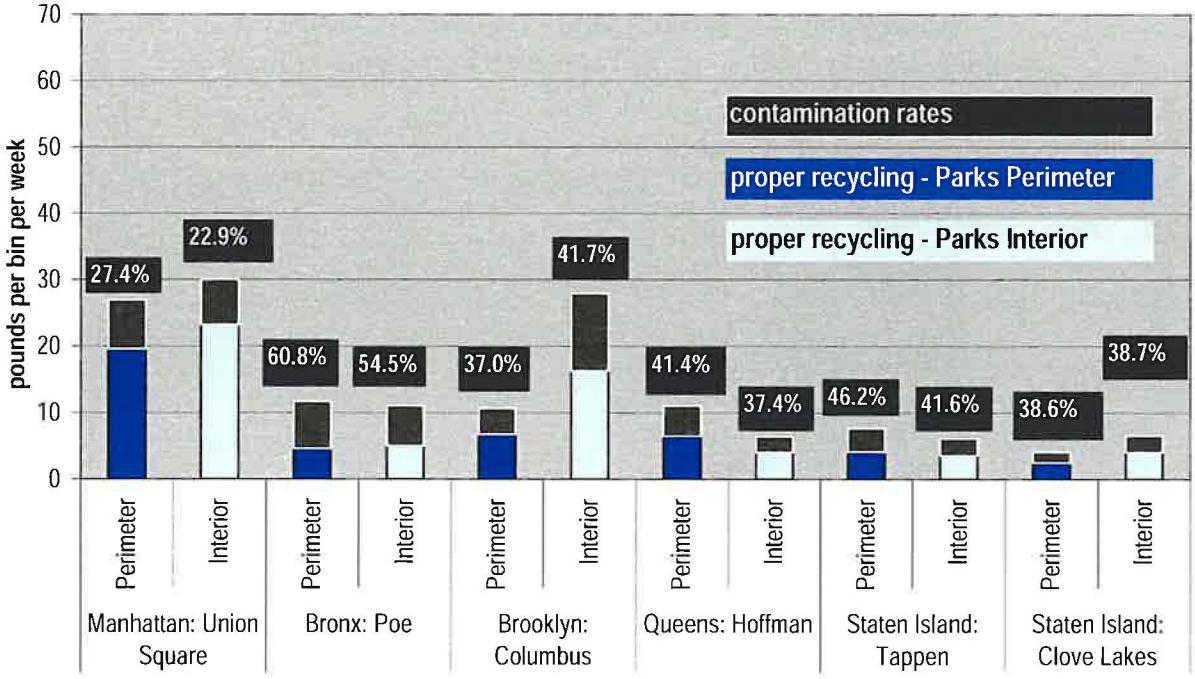
Contamination by Site

Whitehall, Manhattan vs. St. George, Staten Island Terminals
MGP Collections
calculated on an average weekly weight per bin basis



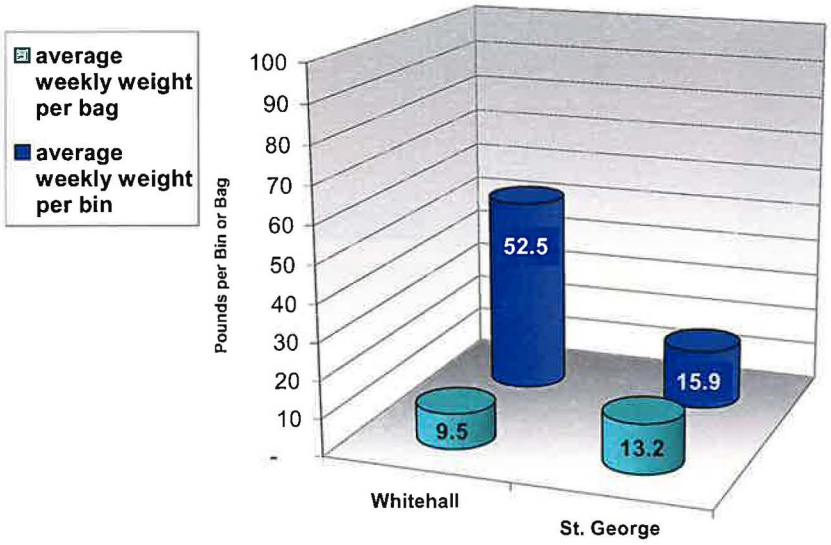
High rates of contamination were found in collections of MGP from all sites. At the ferry terminals, St. George, which generated less MGP than Whitehall, had a somewhat lower rate than did Whitehall. Among parks, the very lowest contamination rates were still above 20%, in Union Square collections. Poe Park, in the Bronx, had extraordinarily high contamination rates, exceeding 60% in Perimeter collections.

Perimeter vs. Interior MGP Collections by Park
calculated on an average weekly weight per bin basis



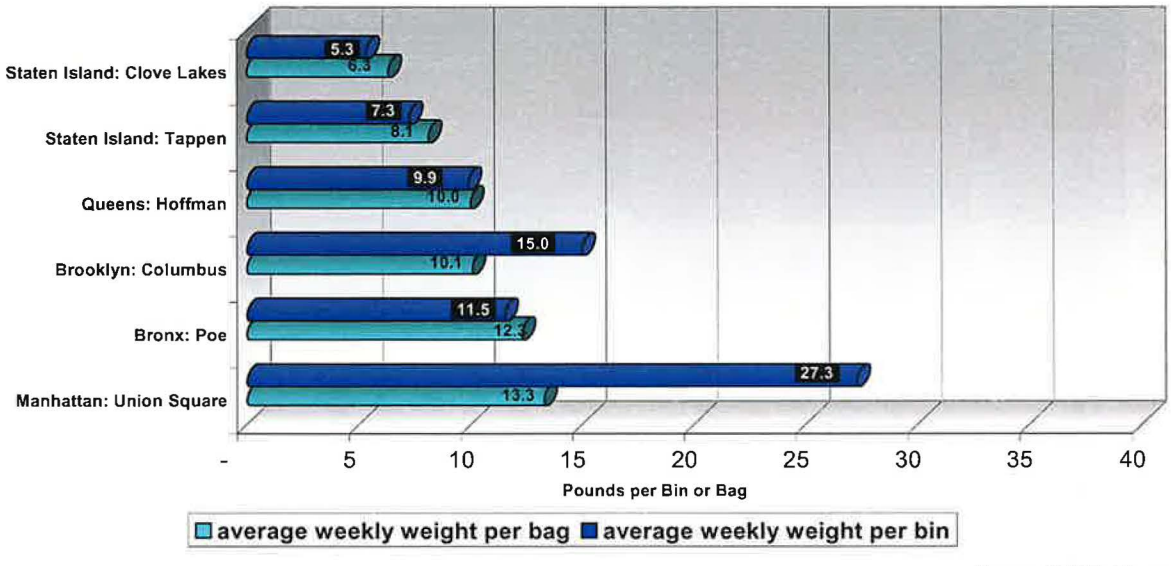
The two charts below examine the weekly weights of collections from each sited bin, and for each bag collected from ferry terminals. As with the Paper collections, more was collected from Whitehall than from St. George. The ratio of bin to bag weight also suggests a greater rate of emptying bin contents and rebagging during the week at Whitehall.

2007 Public Space Recycling - MGP RECYCLING
Whitehall, Manhattan vs. St. George, S.I.
Average Weekly Pounds per Bin and Bag



Among the parks, Union Square had the heaviest MGP collections per bag and per bin, and also showed evidence of having replaced liners more frequently than did other parks.

2007 Public Space Recycling - MGP RECYCLING
Average Weekly Pounds per Bin and Bag: Comparisons Across Parks



The table below re-summarizes the major findings for Paper in comparison to MGP

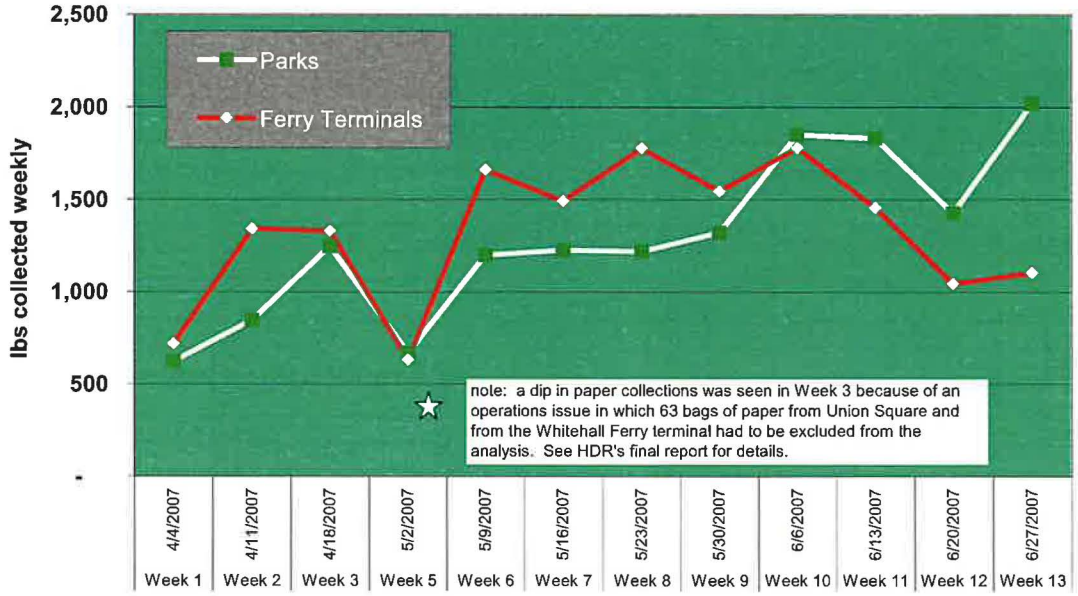
		paper	MGP	paper	MGP	paper	MGP	paper	MGP
Site	Location	Total Weight Collected	Total Weight Collected	Percent Contamination Estimate	Percent Contamination Estimate	Average Weekly Weight per Bag	Average Weekly Weight per Bag	average weekly weight per bin	average weekly weight per bin
Parks									
Manhattan: Union Square	Perimeter	7,374.29	5,167.6	3.4%	27.4%	22.2	13.4	38.4	26.9
	Interior	800.74	721.2	2.2%	22.9%	15.7	12.4	33.4	30.1
	Total	8,175.03	5,888.8	3.2%	26.8%	21.3	13.3	37.8	27.3
Bronx: Poe	Perimeter	536.85	840.8	46.4%	60.8%	9.1	12.7	7.5	11.7
	Interior	155.10	264.4	41.6%	54.5%	7.4	11.0	6.5	11.0
	Total	691.95	1,105.2	45.3%	59.3%	8.6	12.3	7.2	11.5
Brooklyn: Columbus	Perimeter	1,954.30	767.1	2.3%	37.0%	17.3	9.4	27.1	10.7
	Interior	1,586.65	670.8	3.4%	41.7%	20.1	11.0	66.1	28.0
	Total	3,540.95	1,437.9	2.8%	39.2%	18.4	10.1	36.9	15.0
Queens: Hoffman	Perimeter	1,538.16	794.9	9.5%	41.4%	19.7	11.0	21.4	11.0
	Interior	112.15	153.4	25.0%	37.4%	5.6	6.7	4.7	6.4
	Total	1,650.31	948.3	10.6%	40.6%	16.8	10.0	17.2	9.9
Staten Island: Tappen	Perimeter	638.70	550.2	14.4%	46.2%	9.0	8.7	8.9	7.6
	Interior	189.55	146.1	12.6%	41.6%	9.0	6.4	7.9	6.1
	Total	828.25	696.3	14.0%	45.2%	9.0	8.1	8.6	7.3
Staten Island: Clove Lakes	Perimeter	355.40	195.9	2.5%	38.6%	12.7	5.3	7.4	4.1
	Interior	236.50	314.8	9.3%	38.7%	6.4	7.2	4.9	6.6
	Total	591.90	510.7	5.4%	38.7%	9.1	6.3	6.2	5.3
Total Perimeter		12,398.00	8,316.5	6.3%	34.5%	18.2	11.8	23.5	15.8
Total Interior		3,080.69	2,270.7	6.9%	36.8%	13.5	9.7	18.3	13.5
Total Parks		15,478.00	10,587.0	6.4%	35.0%	17.0	11.3	22.2	15.2
Ferry Terminals									
Whitehall	Interior	10,359.00	5,667.0	3.5%	42.9%	16.1	9.5	95.9	52.5
St. George	Interior	5,532.50	2,480.7	2.7%	35.2%	26.0	13.2	35.5	15.9
Total Ferry Terminals		15,892.00	8,147.7	3.2%	40.6%	18.6	10.4	60.2	30.9
Grand Total		**31,370.00**	**18,735.0**	**4.8%**	**37.5%**	**17.8**	**10.9**	**32.7**	**19.5**

* data here are reproduced from HDR's Public Space Recycling Pilot Program Final Report. See their results for full data.

Trends Over Time

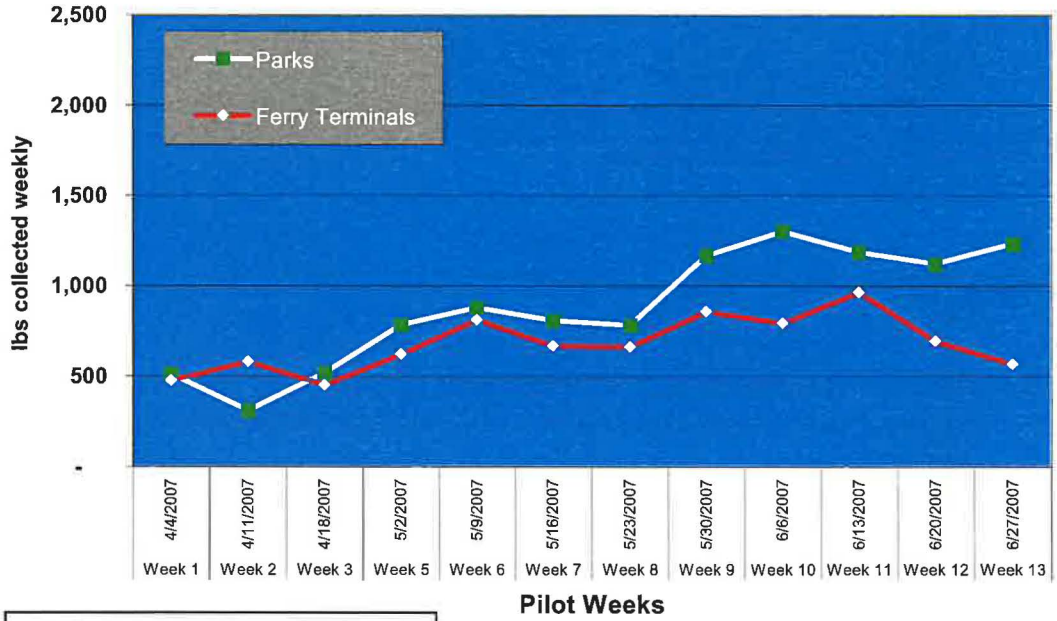
HDR also examined changes in collected weights and contamination rates over time. Their analysis showed that the use of the bins clearly increased over the course of the Pilot although there were fluctuations from week to week. As detailed in HDR's Report, analysis of the correlation between average temperature and collections strongly suggests that rising temperatures had some effect on collections. As the weather became warmer, more people ventured out to use the parks. A site by site examination of trends in collections during as well as after the Pilot is appended in the Site Profiles in Appendix II.

Total Paper Collections, by Week



note: Week 4 is omitted as collections were lost that week.

Total MGP Collections, by Week



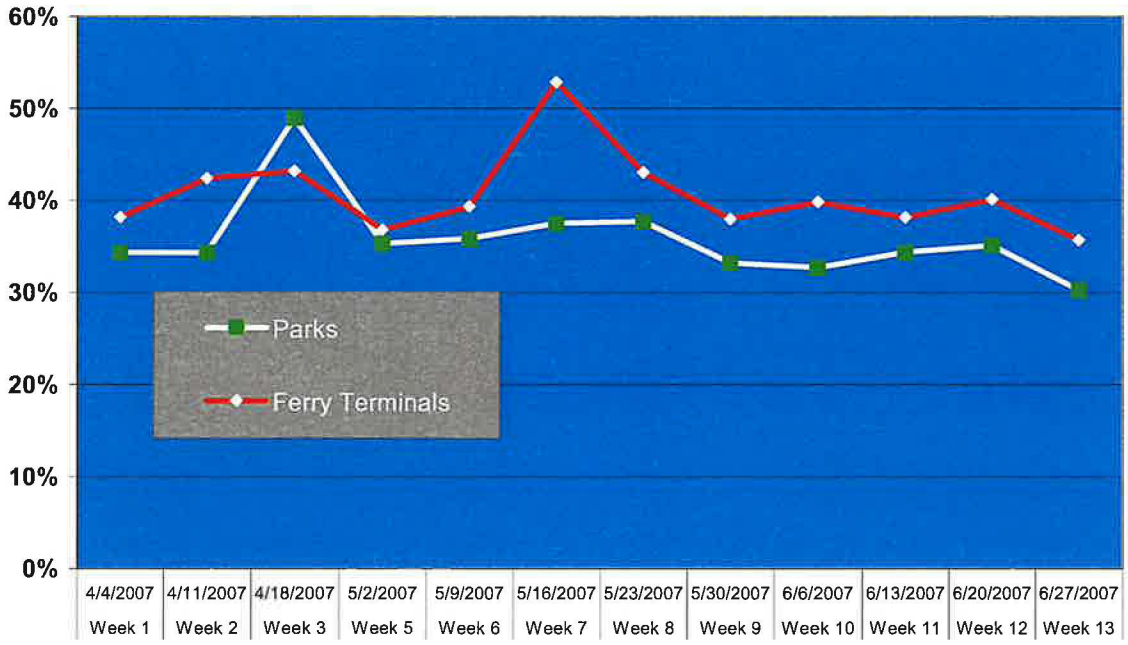
note: Week 4 is omitted as collections were lost that week.

On the other hand, there were not clear trends over time seen for rates of contamination:

Paper contamination rates, over time

note: Week 4 is omitted as collections were lost that week.

MGP contamination rates, over time



note: Week 4 is omitted as collections were lost that week.

Discussion

The City's experience with the 2007 PSRP has provided an updated understanding of the challenges to providing public space recycling on New York City streets, in its parks, and in its transit areas. The main lessons learned from the Pilot are as follows:

1. **People understand and participate in Paper Recycling in public spaces.** The low contamination rates and growth in collected amounts over time attest to this. However, **bottle and can recycling in public spaces is problematic.** In contrast to paper, contamination rates for bottle and can (MGP) recycling were very high, and tonnages were lower across the board.

Because the scope and budget of the study did not include a characterization of contaminants, we do not know for certain what types of non-recyclables users were tossing into the Public Space Recycling bins. Some insight can be gained from what we know about the composition in the curbside recycling program, however. As with public space recycling, residential MGP contamination rates are much higher than those for Paper. The 2004/05 Waste Characterization Study found an average rate of residential MGP contamination of around 20%, as compared to a residential Paper contamination rate of under 5%. About half of this 20% residential MGP contamination consisted of materials that may have been included mistakenly – such as plastics other than bottles and jugs, and recyclable paper. The other half was comprised of materials that are much more akin to pure trash – mainly food waste and other organic materials. Given the roughly comparable contamination rates were found in the Public Space Recycling Paper and MGP streams (although Public Space Recycling MGP contamination was higher), it may be the similar tendencies are at play that make Paper less susceptible to contamination than MGP.

Understanding Disparities in Contamination Rates

It may be that because the range of designated MGP items is wider, and somewhat more complicated (in the case of plastics, especially) than is the range of designated Paper items, there is more "room for error" with MGP than with Paper recycling in general. It may also be that the tactile qualities of paper and cardboard have self-reinforcing properties that guard against contamination. In comparison to MGP, which consists largely of food and beverage containers with associated food residues, Paper recycling is dry and smooth. Once Paper recycling gets going in a bin,

The contents of this MGP bin from Hoffman Park show one can and four bottles visible, but also cups, bags and food. In contrast, the contents of the Paper bin next to it are pristine.

individuals are visually cued to continue to throw "like" materials – i.e. more cardboard and paper. With MGP, on contrast, users see plastic bottles in the bin, and may add anything plastic. They may see containers in the bin, and decide to add cups, trays, and plates. As these unwanted materials mount, the bin contents begin more and more to resemble garbage, and so other garbage items are tossed in.

"Broken Windows"

In 1982, authors James Q. Wilson and George L. Kelling proposed a theory to explain the tendency for individuals in anonymous public spaces to follow the physical example left by others. Their article, "Broken Windows", which appeared in the March issue of the *Atlantic Monthly*, would become influential in municipal policymaking in the decades to come. The authors wrote:

"Consider a building with a few broken windows. If the windows are not repaired, the tendency is for vandals to break a few more windows. Eventually, they may even break into the building, and if it's unoccupied, perhaps become squatters or light fires inside. Or consider a sidewalk. Some litter accumulates. Soon, more litter accumulates. Eventually, people even start leaving bags of trash from take-out restaurants there or breaking into cars."

During the 1980's and 90's, the broken windows theory was applied to reduce vandalism and litter within the NYC subway system and on New York City streets and is credited as having contributed to the improvements in NYC quality of life seen during that era.

The tendency for behavior in anonymous public places to follow a physical precedent has been studied in the context of vandalism and litter under the "broken windows" theory (see text box). Many of the improvements in urban infrastructure that were seen with the application of this theory started with municipal agencies fixing broken windows, cleaning streets, erasing graffiti, and other positive actions. With public space recycling, however, there is a constant, small scale stream of materials going into bins, and then being removed as bagged contents for collection. Pre-emptive removal of contamination by public agencies just isn't possible.

2. **Certain sites were more successful than others**. The sites with the lowest contamination rates and the largest amounts collected were the ferry terminals, Union Square, and Columbus Park. As the "site profiles" in Appendix II, these sites are characterized by heavy commuter use. The ferry terminals are by definition commuter sites, while Union Square and Columbus Park are in close proximity to numerous subway exits. These parks are also sited in very dense, downtown neighborhoods with large numbers of office workers, who use the public space for lunch. In contrast, Poe, Tappen, Hoffman and Clove Lakes Parks are in less densely developed areas, not in proximity to commuting lines, and are frequented primarily by families and children. Such users are less likely to generate newspapers, bottles and cans than are commuters and lunching office workers.

3. **Successful public space recycling requires ongoing bin maintenance**. In order for the Pilot to work, Parks and DOT staff needed to monitor and empty recycling bins regularly, to store separated paper and MGP collections over the course of the week, and to place them properly in a designated spot for weekly collection. Without such maintenance, bin contents would have overflowed and DSNY would not have been able to reach receptacles in park interiors and within terminals for collection. Successful ongoing bin maintenance requires a dedicated, permanent staff that has been fully trained in procedures for keeping Paper and MGP separate, setting it out for collection, and has been equipped with clear bags as well as black bags.

Conclusion

Despite the fiscal and operational challenges encountered in this Pilot, there are good reasons to argue for the continuation of DSNY managed public space recycling, in sites carefully chosen to ensure success and to be highly visible to the public at large. Throughout the Pilot, print and online press paid close attention to the City's efforts. Other cities, as discussed, are embarking on Public Space Recycling on streets, in parks and in transit areas as municipalities increasingly "go green." The mayor's PlaNYC, while not addressing public space recycling directly, is an indication that a constructive yet realistic consideration of expansion of environmental policies is warranted at this time in NYC.

In addition, during the course of this Pilot, representatives from Parks conservancies throughout Manhattan, as well as the DOT's Bridges division, have expressed interest in hosting additional public space recycling receptacles. Provided there is agreement about shared maintenance responsibilities, it is in DSNY's, and New York's, interest to make the most of such offers and build on the momentum that the Pilot has gained so far.

In sum, while bins at the poorly performing parks in Queens, the Bronx, and Staten Island should be removed, bins at the ferry terminals and Union Square and Columbus Parks should be maintained, and more sites with characteristics similar to these should be sought for small scale, symbolic expansion of public space recycling.

APPENDIX I: Public Space Recycling in Other Cities

While many cities feature special event-based opportunities for public space recycling from time to time, most do not offer extensive streetside or parks based, permanent venues for recycling paper, cans and bottles. Nonetheless, a number of comparable municipalities are developing the practice. We begin with London, England because its size and demographic characteristics make it in some ways more comparable to New York City than any North American metropolis.

London, England

The "Environbank" unit in use throughout London must be unlocked with a key to be serviced.

Although London is of comparable population to New York City, it manages its waste quite differently, with each of its 33 Boroughs (jurisdictions only slightly larger than our Community Districts, and smaller than our own Boroughs) collecting its own waste and managing its own recycling program. Programs are not uniform across boroughs, although all have some combination of curbside collection and dropoff facilities available to residents. A full 16 of London's Boroughs offer some form of public space recycling. The model used in many of them features separate collections of paper and commingled cans and bottles from durable, graffiti and tamper resistant locking "Environbank" units.

A bank of paper recycling bins greets London commuters as they exit the "tube" (subway)

Among London Boroughs, the City of Westminster is most comparable to Manhattan's busy mid and downtown commercial zones. Its resident population of 210,000 swells to over 1 million on weekdays, with tourists and workers flooding in from adjacent boroughs as well as from the bedroom communities surrounding London proper. The Borough has set out some 150 paper and magazine bins, many, but not all, near tube (subway) station exits. Contamination rates are very low, and tonnages average 900 tons per year. Westminster recycling manager Phil Robson attributes the low contamination rates to the design and limited size of the container aperture and careful siting providing litter bin facilities in close proximity where practicable.[i]

As with NYC's 2007 Pilot, the paper collected in the City of Westminster public bins is very clean.

An important difference between NYC and Westminster is its service provision. The Borough contracts with Onyx, a private waste hauler, for residential and commercial collection as well as for street cleaning and collection from streetside receptacles.

The same model, with a different aperture, is used in the London borough of Camden for cans and bottles.

The Borough of Camden is another of London's dense, bustling neighborhoods, hosting an array of mixed uses including high-rise housing, offices, and shopping zones. Every weekday, the Borough's 200,000 permanent residents and 400,000 daily commuters fill an area only a bit larger than one of NYC's community districts. The local waste authority, Camden Council, has elected to use the Environbank model as well, for cans and bottles as well as newspapers and magazines. As in Westminster, many public space recycling bins are sited in proximity to tube, rail, and bus stations, as well as within and around public parks. The tonnage diverted from these collections is small in comparison to that from kerbside (curbside) or bring-site (dropoff) methods, but still brings in 360 tons of mixed recycling (paper, plastic bottles and cans) annually, out of a borough total refuse and recycling stream of around 135,000 tons annually. Senior Recycling Officer Gemma Scott considers it worthwhile to offer outlets for bottles and cans, noting, "so much of what people purchase and throw away on the street, especially when it comes to lunches is plastic bottles and cans." [ii]

Toronto

Toronto is another non-US city that is useful to compare to NYC. It is the largest municipality in Canada, and also one of the country's fastest growing metropolitan areas, with a population of two and a half million people (over 5 million in the greater metropolitan area) in 2006. Like New York, it has a concentration of jobs in the downtown core.

Since the closure of the Keele Valley Landfill which serviced the greater Toronto region in 2002, the city's waste has been carted to Michigan landfills in the US with increasingly restrictive policies on what kinds of waste will be accepted. As a result, Toronto has focused on educational campaigns promoting waste reduction, reuse and recycling. The primary venues for public space recycling programs in Toronto are streetside, in parks, and subways. Unlike London and New York City, Toronto has a single stream recycling program, and consequently uses only one recycling bin for commingled paper, bottle, and can recycling.

Streetside Recycling

Toronto's Solid Waste Management Services (SWMS), which implements the residential collection program, is responsible for the management of streetside waste collection (litter and recycling). In 2005, SWMS awarded a contract for the installation and maintenance of 4,000 multi-compartment litter and recycling bins to Eucan (now EcoMedia Direct, Inc).

The Eucan twinned litter/recycling receptacles are located on Toronto streets in the downtown core and some suburban areas. The company supplies, installs and maintains the receptacles, and in return receives revenue by selling advertising space on the bins. SWMS provides the collection services. The city gets a small percent of the advertising profits, expected to generate in excess of $10 million over 10 years, and can use 5% of the surface space for its own advertising.

According to Toronto officials, about 86% of the recyclables deposited into the twinned containers end up in the recycling, rather than the refuse side. An estimated 1,000 tonnes of recyclable material is collected annually, which boosts the city's overall diversion rate by less than one percent.

Toronto's contract with a private firm to site very large litter/recycling bins with prominent advertising has caused some residents to organize political opposition.

The containers have proven unpopular with the public, who are in favor of public space recycling but have objected to the size of the containers, the advertising placed on them, and the lack of public inclusion in the design and siting process[iii] How to change the program is being battled at the political level, with citizen groups interested in having input in redesigning more aesthetic, and smaller, venues of recycling on Toronto's streets. As of late spring 2007, Toronto entered into a 20 year contract for coordinated street furniture, for which designs will be presented in 2008. SWMS expects that new recycling and litter bins will be incorporated into these designs.

Toronto Parks

A wire mesh litter basket in a Toronto Park

There are roughly 1,500 parks in Toronto. As in New York City, operational responsibility for waste management in the Parks falls to the Department of Parks, Forestry and Recreation. Typically, recycling collection is implemented on an "as needed" basis and by pickup truck, rather than packer truck.

There are approximately 5,000 litter baskets in the Toronto's parks along with an additional 3,800 recycling bins located in about a third of the parks. According to the city's 2006 Parks Waste Audit, litter baskets produced about 5,100 tons of waste that year, approximately 24-28% of which was recyclable. The recycling bins yielded about 68 tons during the same period and contained 59-66% recyclables (in other words, were 34-41% contaminated). The recycling bins are mostly utilized on a seasonal basis, which may account somewhat for the low tonnages collected.

A wire mesh recycling bin in a Toronto Park.

The main model of parks recycling containers is a blue steel mesh basket covered by a clasped lid with a single, round 6"diameter hole that permits passage of most beverage containers as well as paper (including rolled newspaper. Transparent plastic bags are placed inside most of these baskets. At a small number of parks, there are larger, in-ground, opaque recycling bins and large blue toters which are also used on a limited basis for special events. A graphic identifier is placed on the side of the blue mesh baskets. In addition, two sticker labels (one blue and one grey) showing all acceptable materials are placed on top of recycling basket lids.

Other models in use for recycling in Toronto Parks are shown here.

This is the main model for Toronto Parks recycling. Note the signage.

Toronto Transit

Toronto Transit Commission (TTC) has 69 subway stations in the Toronto area that generate roughly 350 tonnes of waste annually[1]. In reaction to the banning of recyclable bottles and cans from the Michigan landfills where Toronto takes its trash, the TTC temporarily hired a private company to sort the through the waste generated in the subways post-collection in 2005. The TTC has now placed recycling bins for bottles and cans and paper in its subway stations and reduced the number of litter bins[2]. In 2005, they also implemented Pilot project for recycling of paper from buses and streetcar[3].

Portland

Portland's population of over ½ million people in the city proper swells by 23% during the day as commuters come to work in its busy downtown. The City of Portland Office of Sustainable Development has contracts with three commercial haulers to collect waste from bins in public spaces. At this time, Portland does not provide recycling along with the more than 600 existing street-side waste bins. Studies of the materials by OSD have shown that only about 20% of the waste in the public refuse containers is recyclable. Additionally, the amount of waste recovered from these bins is less than 0.02% of the overall city-wide waste stream. Despite this, the Portland Recycles! Plan includes a recommendation to provide recycling options at in public spaces, to be subsidized by citywide solid waste and recycling revenues. Consequently, Portland's OSD is investigating options for recycling alongside the public waste bins.

Bob Downing, downtown service zone manager for Portland Parks and Recreation, the most significant hurdles anticipated for the implementation of recycling opportunities in public spaces are the added costs and logistical hurdles. The collection of recycling from public spaces would be an added cost under current arrangements with private haulers. In addition there would be added costs to manage the recycling containers.

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[1] http://transit.toronto.on.ca/archives/data/200505110100.shtml

[2] May 2006 Works Committee Staff Report on 2005 Solid Waste Diversion Rates for City Agencies, Boards, Commissions and Departments and School Boards and an Update Regarding the Solid Waste Diversion Plans Being Implemented by these Organizations. file name: "it002.pdf"

[3] http://www.toronto.ca/environment/initiatives/wd_ttc.htm

Portland Area Transit Locations

TriMet, the area's transit authority, provides recycling opportunities at some bus stops. Some garbage cans are saddled with a small stainless steel basket for people to discard soda cans/bottles. The purpose of these baskets is to increase the ease of retrieval for persons wishing to collect their five cent deposit value. More extensive recycling options have not yet been implemented, though are being discussed. Investment costs in equipment and services are cited as the main deterrents to increasing the use of recycling bins. Trash cans at transit stops are collected by a contractor that also cleans the stops. As with NYCT, the private contractor separates out some recyclables "post-collection".

Seattle

In 2006, the population in the City of Seattle was was just over 580,000, with the metropolitan area comprising 3.3 million residents. The daytime population of Seattle grows by 28% due to commuting. Residential garbage and recycling collection is implemented by two private haulers on long-term contract with the city. In 2005 there was a curbside recycling tonnage of 62,924 for the total city.

As in other cities, public space recycling is educational and symbolic, not a significant source of diversion.

Streetside

Seattle has placed approximately 300 recycling bins for bottles and cans paired with litter cans in the downtown business district. According to Seattle Public Utilities (SPU), this program continues to serve as an educational program rather than one that significantly effects diversion. Contamination varies by location with an average of about 18%. The primary sources of contamination are coffee cups with contamination increasing when the litter can paired with the recycle can is full. There is also a problem of illegal dumping. SPU is, at present, working with Tullys and Starbucks, the main coffee chains, to see what sort of educational partnership can be established to help mitigate the problem. According to Michael Davis, Planning and Development Specialist for Seattle Public Utilities, neither litter baskets nor recycling bins are collected on a dedicated route, but are serviced along with commercial or residential collections two or three times per week.

The signage on Seattle street baskets emphasizes "no cups".

Parks

Seattle has an extensive parks system with more than 400 parks and open areas, comprising over 6200 acres of park land. There are plans to implement a nine month Pilot recycling project in 2008 in a number of Seattle's parks. The program would collect glass, aluminum and plastics in 106 park locations in the south region of Seattle and is expected to divert 45 tons of recyclable material from the waste stream. The program is a joint partnership between the Seattle Public Utilities and Seattle Parks and Recreation Departments of the City of Seattle. The goal of the Pilot is to test the effectiveness of such a program.

[i] Personal communication, Phil Robson to Samantha MacBride, September 4, 2007
[ii] Personal communication, Gemma Scott to Samantha MacBride, September 17, 2007
[iii] Blackette, Roger. "Taking it to the Street (Furniture)", Spacing Toronto, July 1, 2006

APPENDIX II: Site Profiles

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Union Square Park, Manhattan: Profile

Union Square, a 3.6 acre park is set in the middle of one of the busiest areas of New York City, Greenwich Village. A site famous for labor and other social protests, it hosts a Greenmarket three times per week as well as a number of events specifically geared to waste reduction – including a twice yearly electronics and clothing recycling event, a mulch fest, and the annual chipping of Christmas trees. This emphasis on environmental activities may be one of the reasons why an organic foods market has opened a store across the street. The park is heavily used by residents of all ages, both as a lunch spot and also for general relaxation, reading, dog exercise and with children in play areas. At the same time, Union Square is a transportation hub, with three major subway lines converging on it. Surrounding Union Square are many restaurants, shops and offices, whose customers and employees also utilize the park.

Bin Set and Benches

A row of benches is situated near the targeted bin set. Park users were observed using the benches for resting, reading newspapers, or sitting down to eat food.

Organic Foods Market

Large organic foods market is found at 14th street in front of the main park entrance.

Union Square Park, Manhattan: Profile

Built Environment

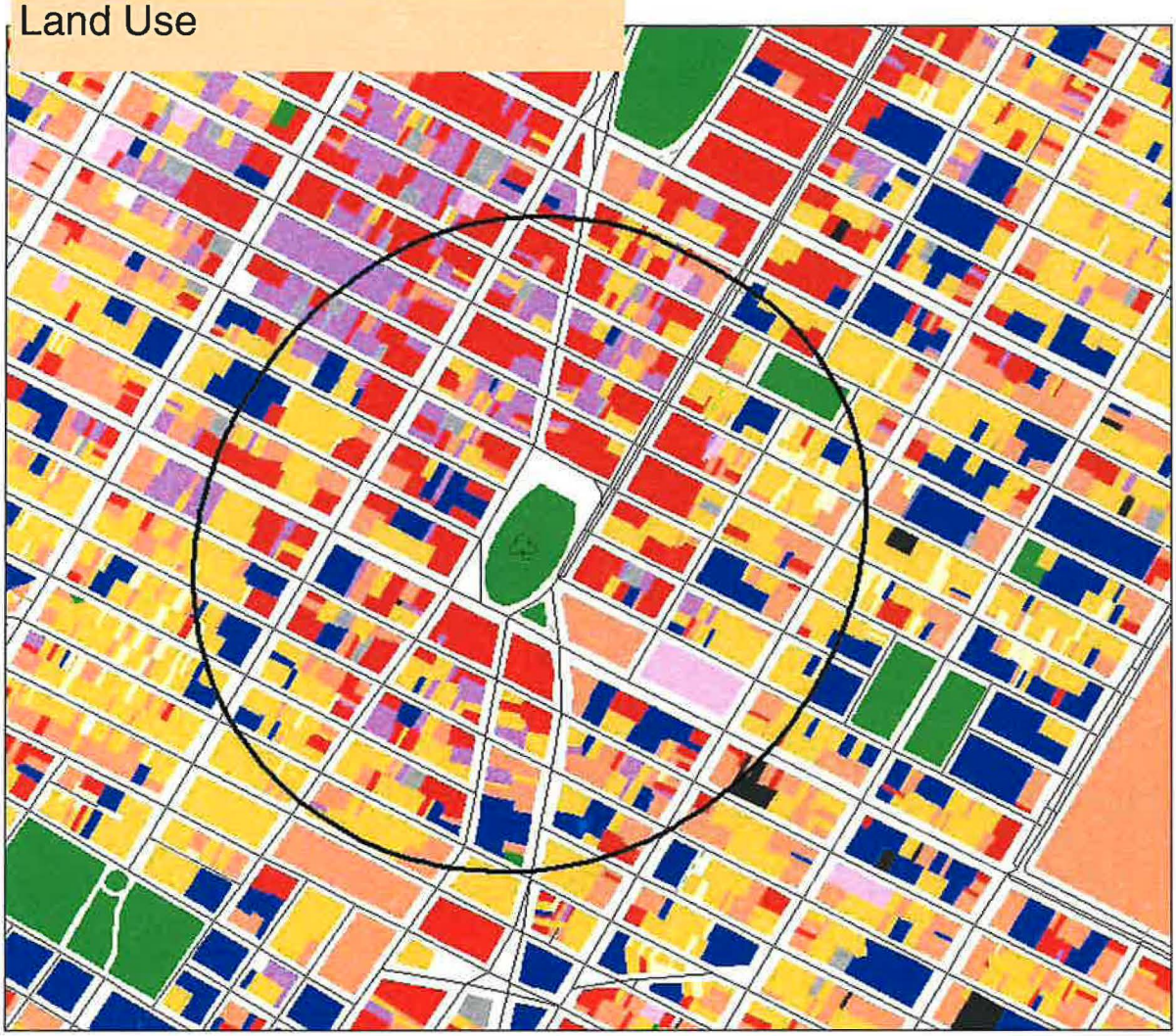
Union Square Park is surrounded by offices, residential, and commercial buildings like these.

Students and office workers make use of the park

Park tables attract students and office workers at lunch time.

Union Square Park, Manhattan: Profile

Land Use



Union Square Park, Manhattan

Neighborhood
(area extending a quarter mile from park boundary)

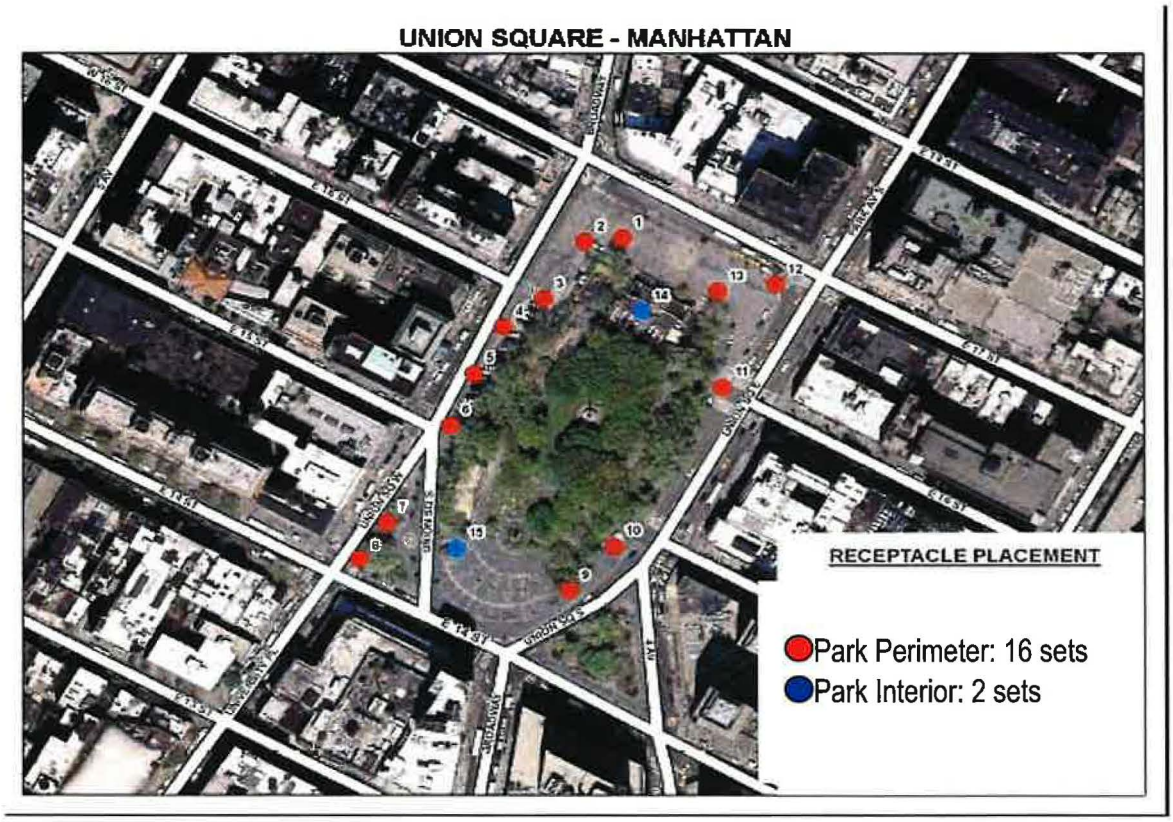
Streets

Lots by Land Use Classifications

- One & two family bldgs
- Multi-family bldgs walk-up
- Mutli-family bldgs elevator
- Mixed res. & comm. bldgs
- Comm. & office bldgs
- Industrial & manufacturing
- Transportation & utility
- Public facilities & institutions
- Open space & outdoor recreation
- Parking facilities
- Vacant land

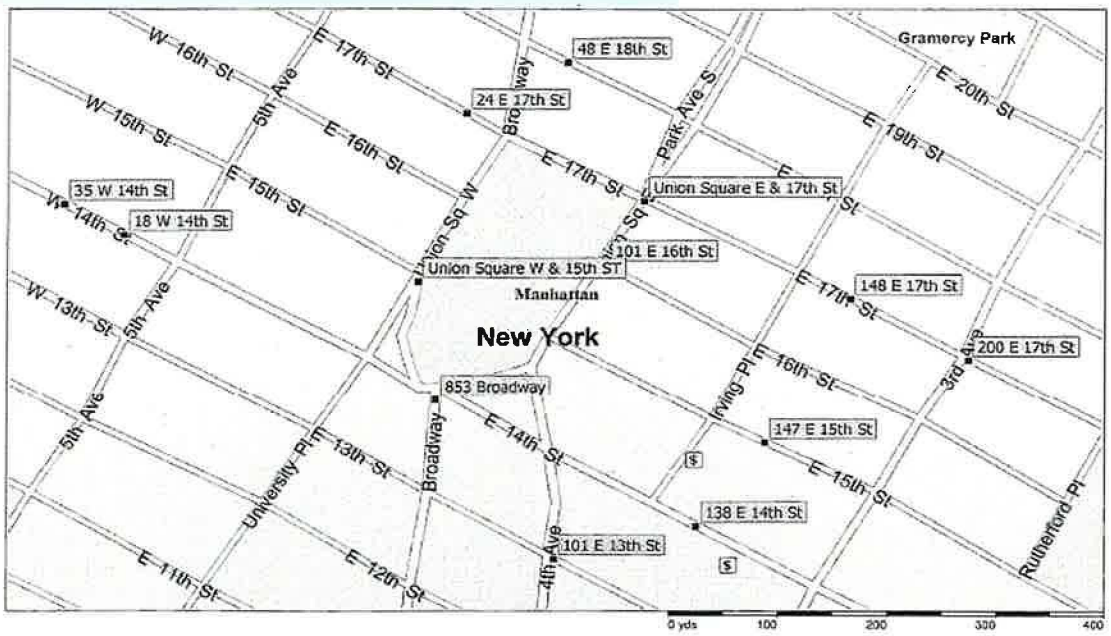
Land use distribution (including the park)	% of total area in neighborhood	Land use distribution (including the park)	% of total area in neighborhood
Mutli-Family Buildings	30.0%	Open Space and Outdoor Recreation	3.7%
Commercial and Office Buildings	27.2%	Transportation and Utility	2.0%
Mixed Residential and Commercial Buildings	13.8%	Parking Facilities	1.3%
Public Facilities and Institutions	10.9%	One & Two Family Buildings	0.9%
Industrial and Manufacturing	9.9%	Vacant Land	0.0%

Receptacle Placement

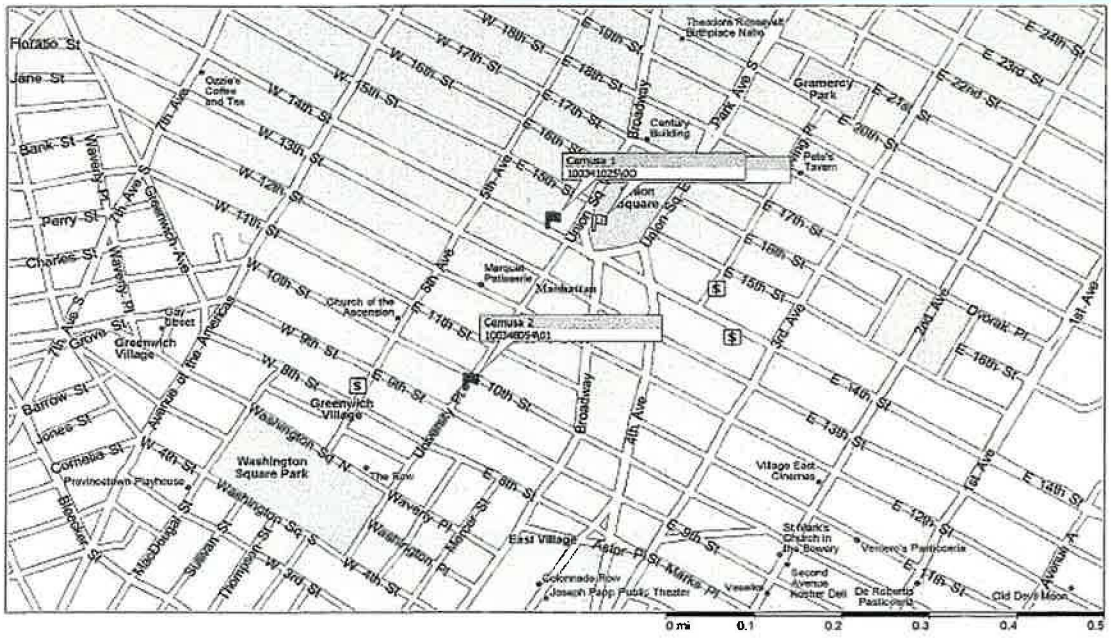


Union Square Park, Manhattan: Profile

Phone Kiosk Placements



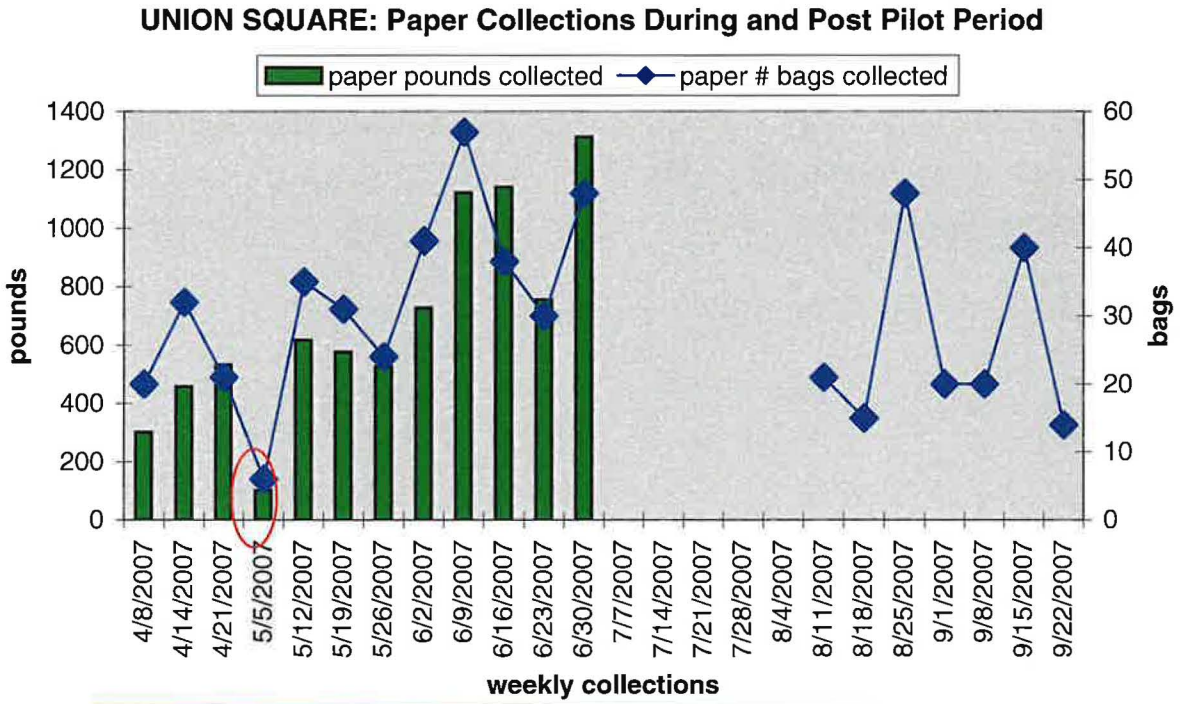
Bus Shelter Placements



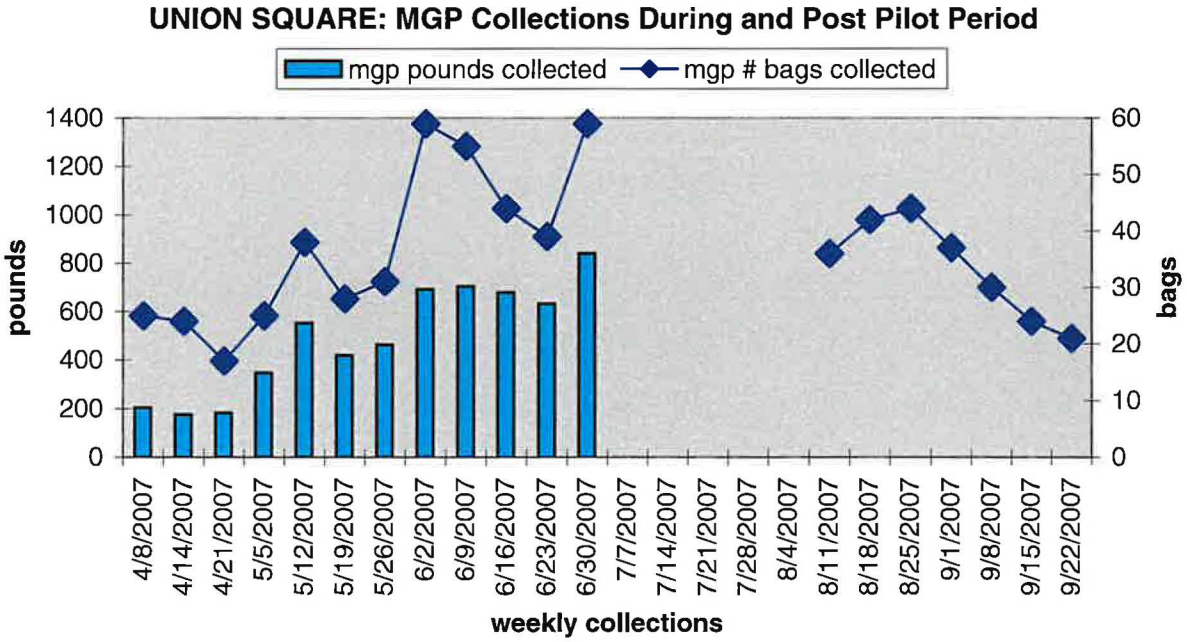
Union Square Park, Manhattan: Profile

Subways nearby

Union Square Park, Manhattan: Profile



Because of an operations issue, numerous Paper bags were lost from Union Square during the week circled. This is the reason for the dip.



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Columbus Park, Brooklyn: Profile

Columbus Park, set in the bustling heart of downtown Brooklyn, is a compact, nearly 2 acre park featuring benches and open space that is heavily used by workers from the courthouses and other government and commercial office buildings that surround it. There are also a number of colleges and professional schools in the area.

Most of the major subway lines converge within a few blocks of the park. Nestled between low-traffic streets and professional offices situated on wide sidewalks, the park is also highly accessible to pedestrians. Several bus lines run along the vicinity of the park.

Columbus Park features a farmer's market on Tuesdays and Thursdays. A diverse selection of fruits, vegetables, breads, cheeses, and other specialty foods are sold. Concerts and other artistic performances take place on the park grounds. The Courthouse near the park is often used as a backdrop for plays and other public events. Independent artists also take advantage of the popular park scene to perform and solicit donations.

The combination of heavy foot traffic and a large supply of goods and services in the park neighborhood most likely affects waste and recycling volumes if not contamination rates. There is also a large professional population nearby which provides an able and stable population of consumers to purchase products and potentially generate waste.

One set of recycling bins are located in front of a statue, near the outskirts of the park.

Benches

A long row of benches is situated along the land-scaped edges of the square-shaped park. . Park users were observed eating lunch, reading newspapers, and resting on the benches.

The park square is surrounded by offices, government buildings, restaurants, supermarkets, and shops

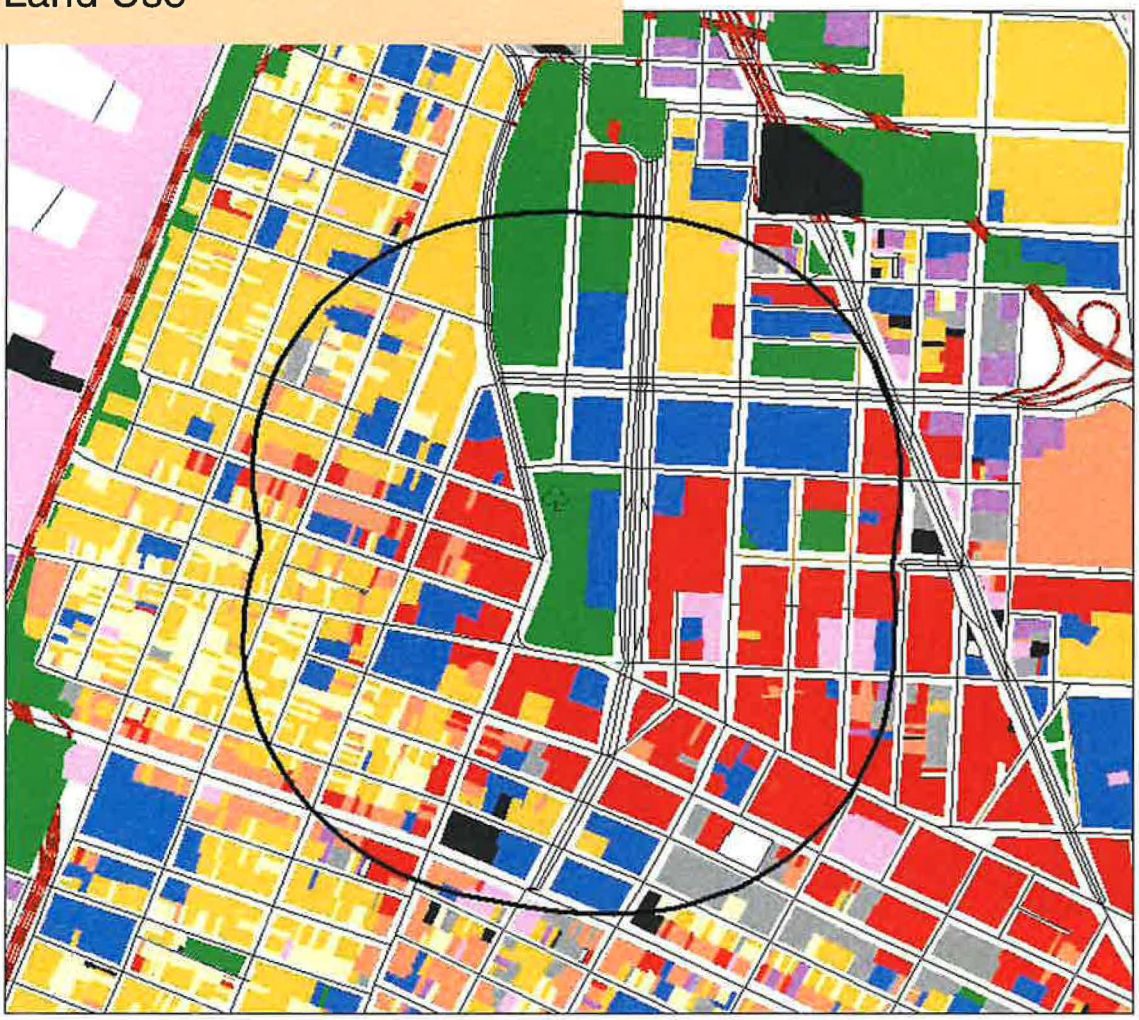
Columbus Park, Brooklyn: Profile

This bin set is located in the interior of the park. Note refuse bin sits opposite, near benches (not visible in this photo).

Outdoor Farmer's Market is open two days each week.

Note the density of commercial and professional offices surrounding the park.

Land Use



Columbus Park, Brooklyn

Neighborhood
(area extending a quarter mile from park boundary)

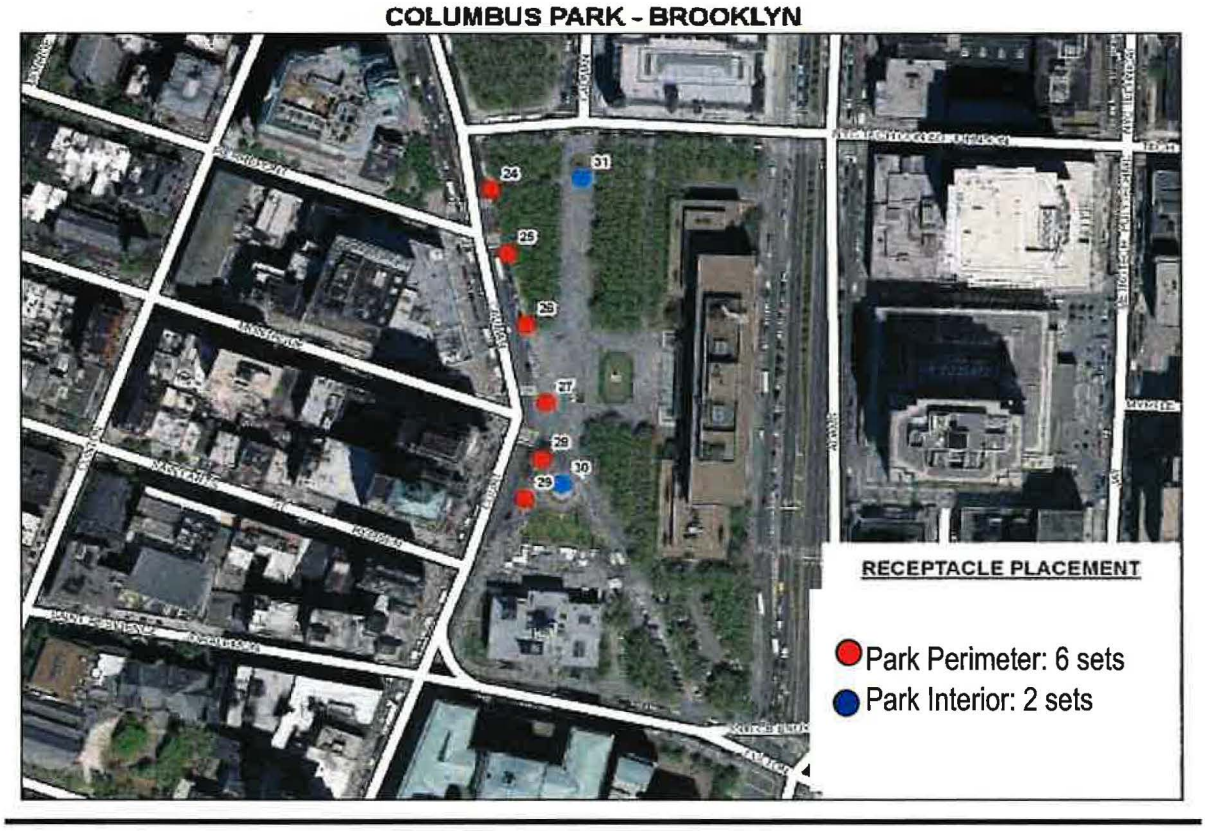
Streets

Lots by Land Use Classifications

- One & two family bldgs
- Multi-family bldgs walk-up
- Multi-family bldgs elevator
- Mixed res. & comm. bldgs
- Comm. & office bldgs
- Industrial & manufacturing
- Transportation & utility
- Public facilities & institutions
- Open space & outdoor recreation
- Parking facilities
- Vacant land

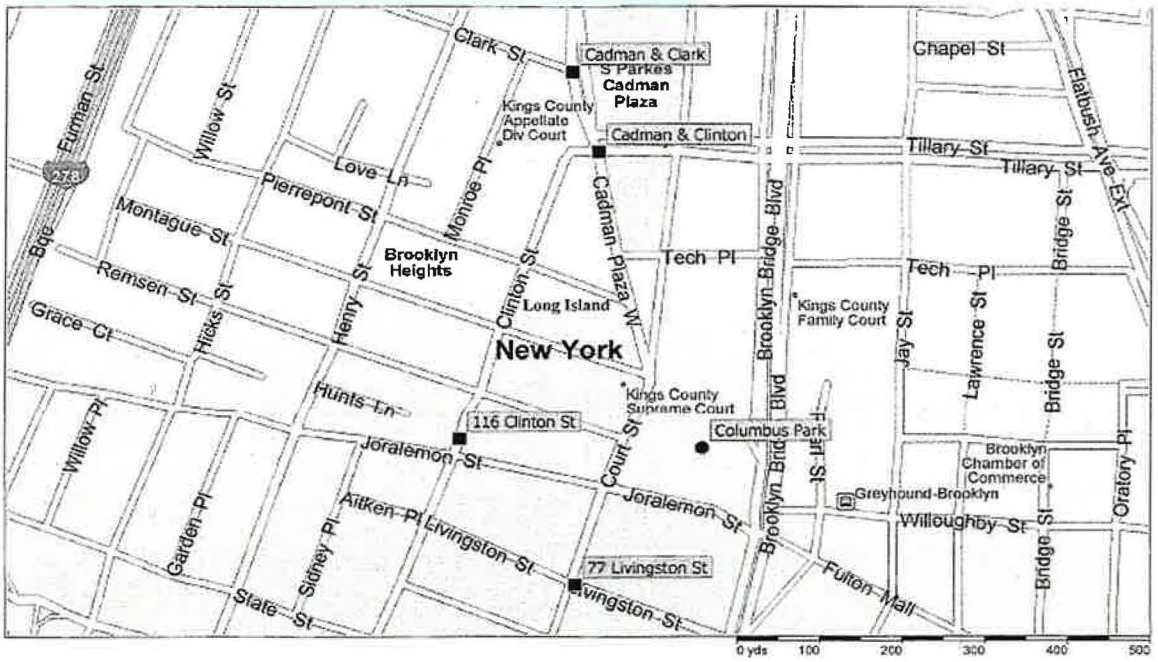
Land use distribution (including the park)	% of total area in neighborhood	Land use distribution (including the park)	% of total area in neighborhood
Commercial and office Buildings	27.6%	One & Two Family Buildings	3.7%
Public Facilities and Institutions	20.0%	Parking Facilities	3.2%
Mutli-Family Buildings	22.4%	Vacant Land	1.2%
Open Space and Outdoor Recreation	15.4%	Transportation and Utility	0.5%
Mixed Residential and Commercial Buildings	6.0%	Industrial and Manufacturing	0.2%

Receptacle Placement

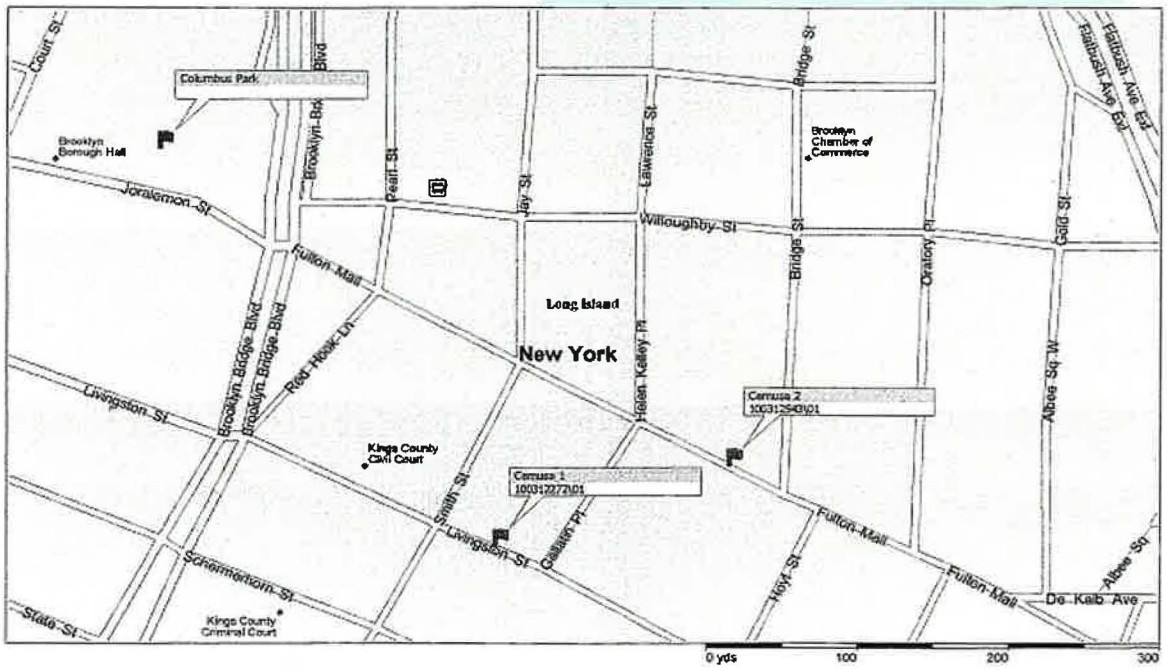


Columbus Park, Brooklyn: Profile

Phone Kiosk Placements

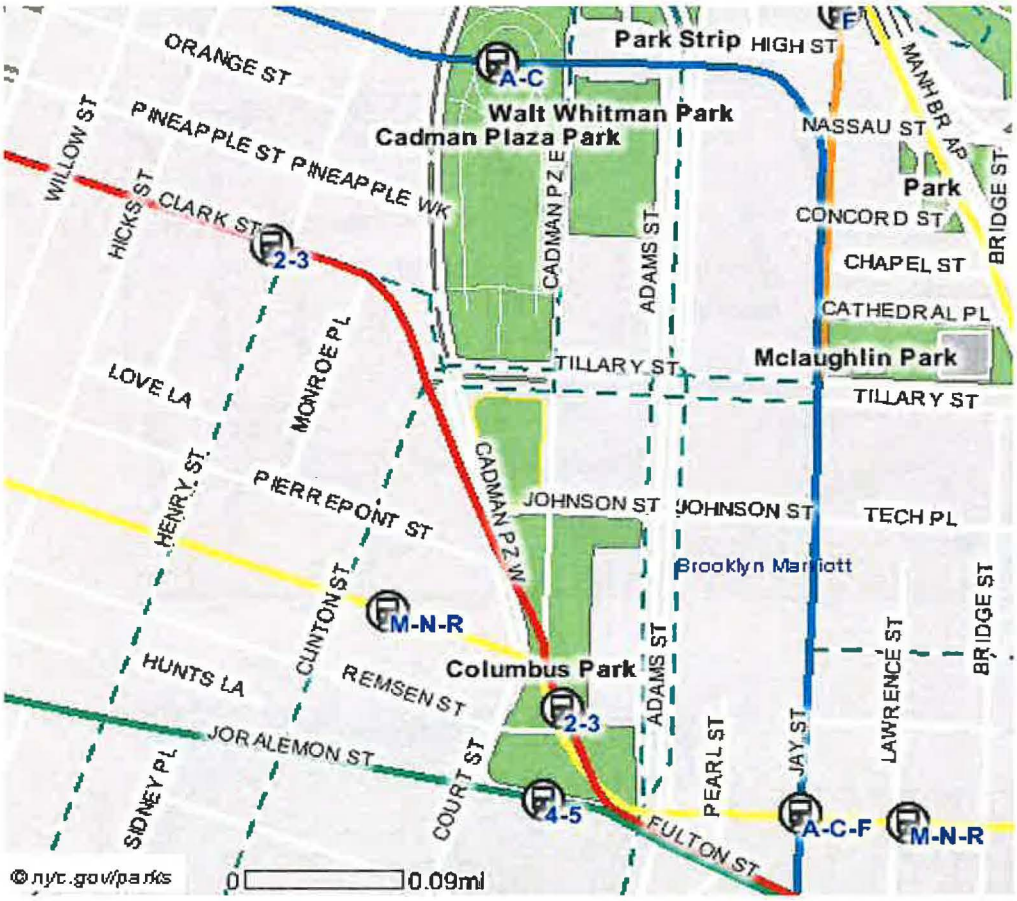


Bus Shelter Placements

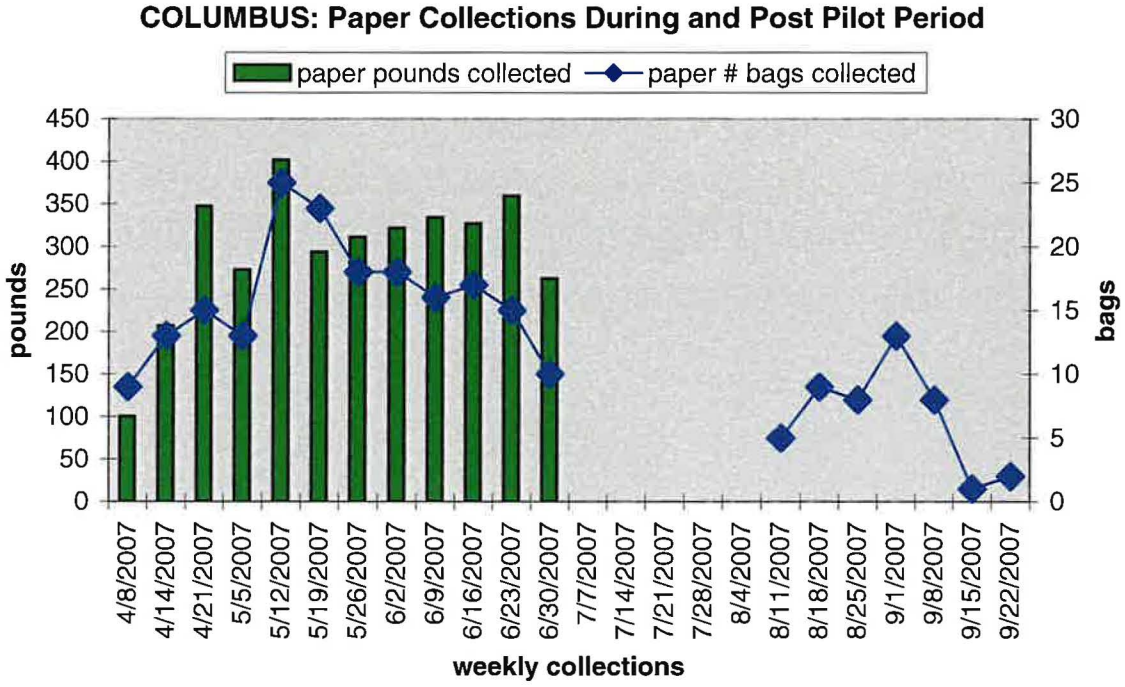


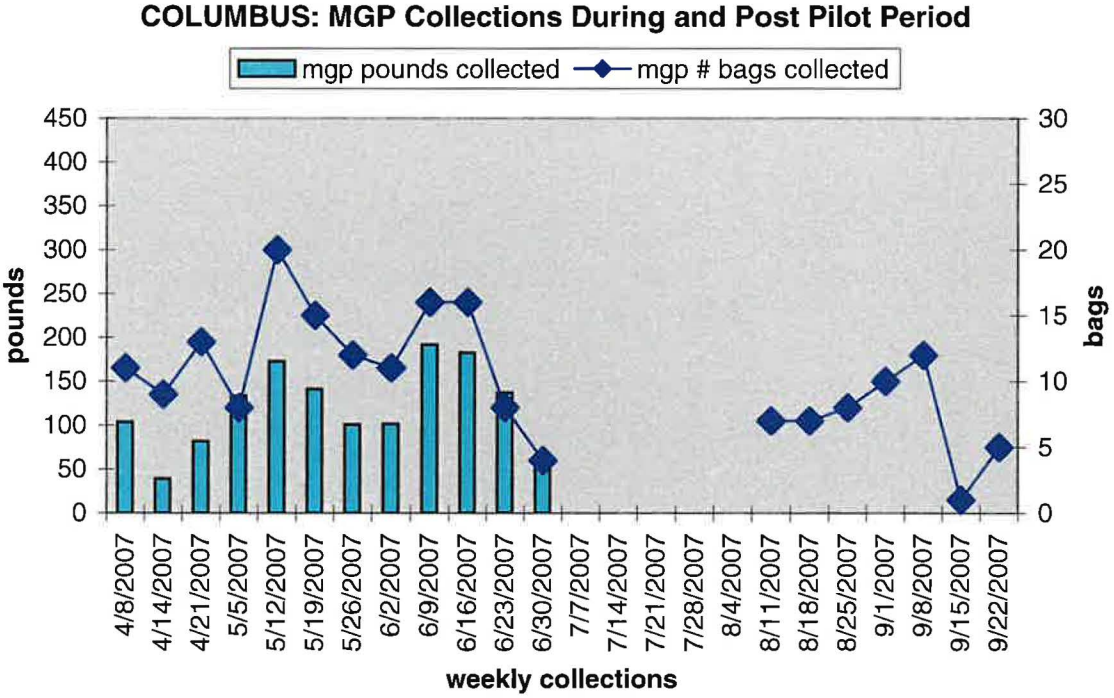
Columbus Park, Brooklyn: Profile

Subways nearby



Columbus Park, Brooklyn: Profile





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Whitehall Ferry Terminal, Manhattan: Profile

Whitehall Main Terminal

The main terminal has lots of benches for people to sit and wait. One side of the concourse has a newsstand. Newspapers, magazines, and some foods and drinks are sold there. Public restrooms are located at the left.

This set of bins sits alongside a pillar and is positioned between two long rows of benches.

Posters publicizing the recycling program are on terminal walls and in the ferries themselves.

The **Whitehall** Ferry terminal is bustling at peak rush hour times. Morning passengers arrive from Staten Island, most heading to offices in lower Manhattan or boarding subway cars and buses to continue their commute. Foot traffic tends to dwindle during non-rush hour.

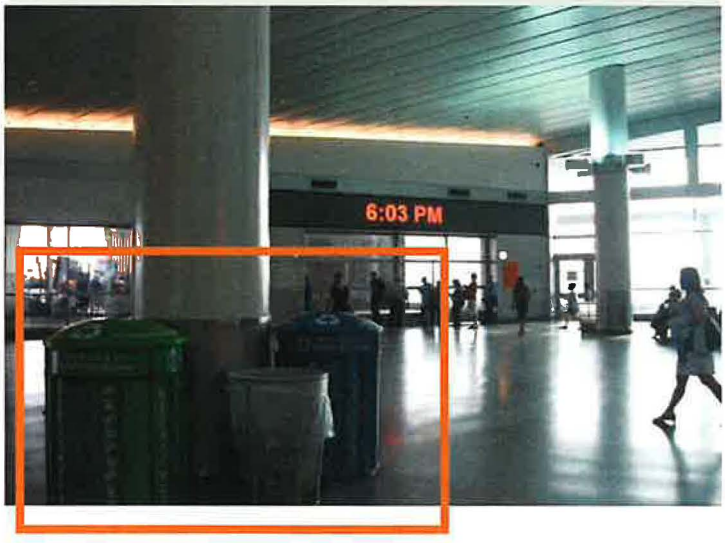
The inside of the terminal features a newsstand and two cafes. However, most passengers arrive from Staten Island carrying food items or reading materials Passengers may be more inclined to consume coffee and food, and purchase newspapers at peak morning hours when they are preparing for the work day and traveling across waters on the ferry.

Fewer evening passengers to Staten Island were observed purchasing items like coffee, snacks, and newspapers in comparison to the morning crowd traveling from Staten Island to Manhattan.

Whitehall Ferry Terminal, Manhattan: Profile

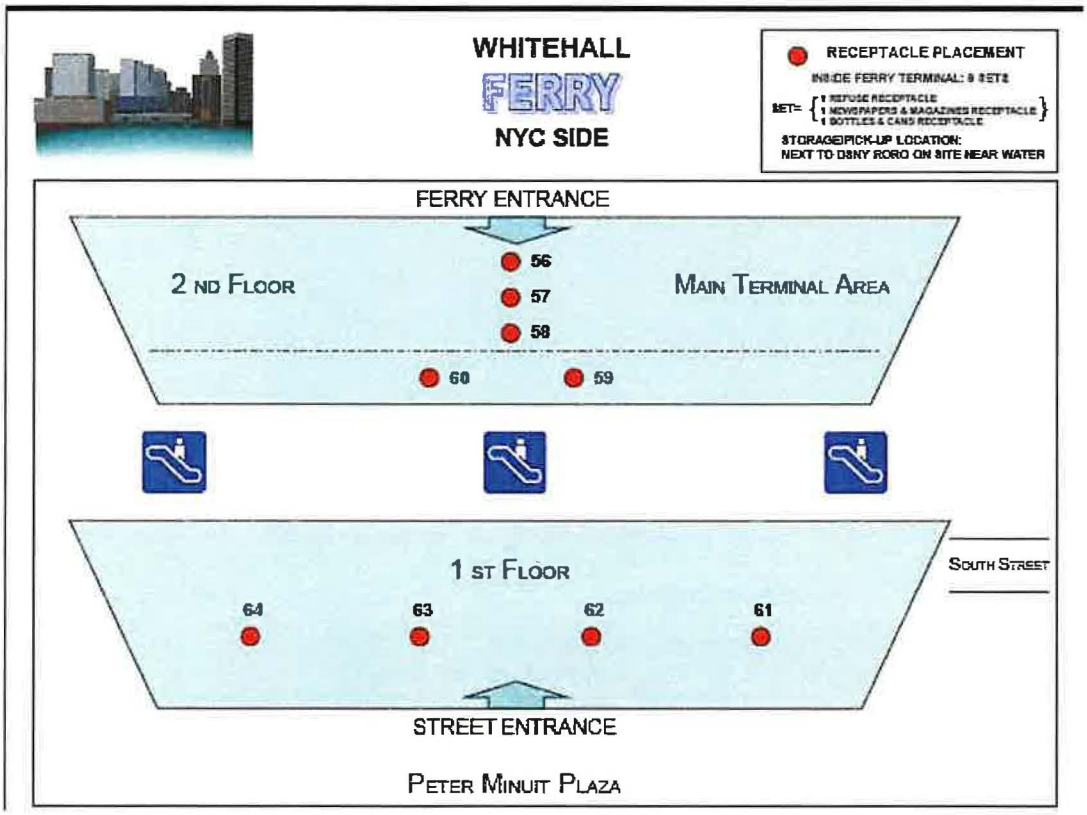
Boarding passengers follow the **green path** past the bins to take the ferry to Staten Island.

Bin sets in the Whitehall Terminal.



Whitehall Ferry Terminal, Manhattan: Profile

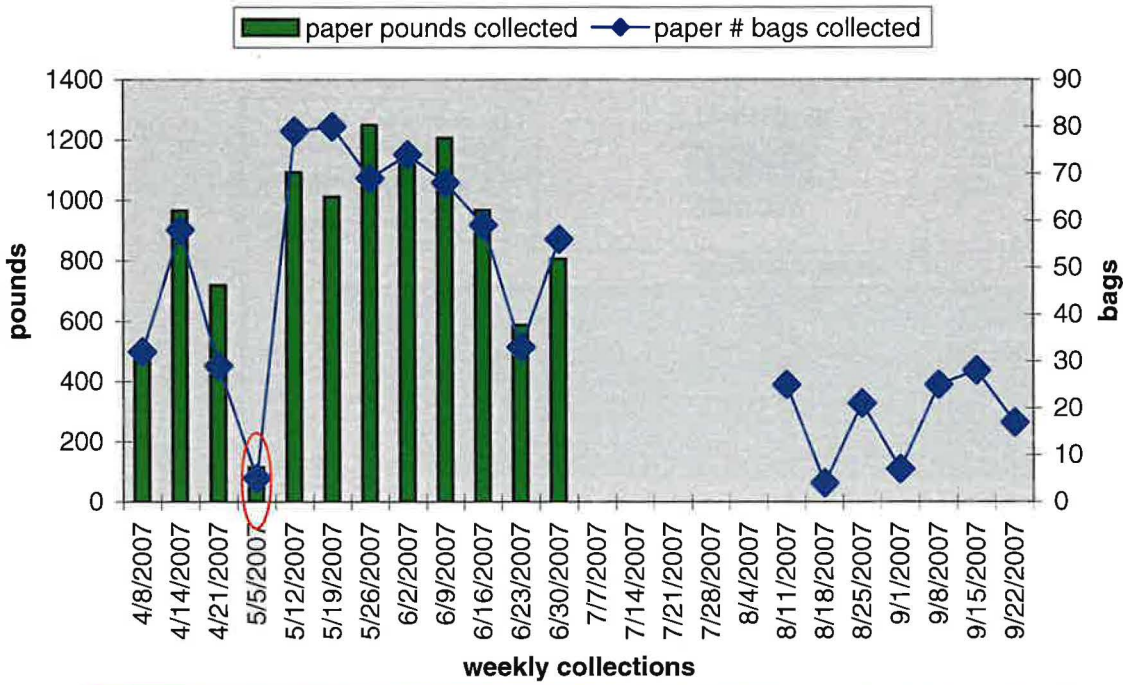
Receptacle Placement



Note: Because land use, subway access and outdoor media maps are not relevant for Public Space Recycling in Ferry Terminals as they are for parks, they are not shown here.

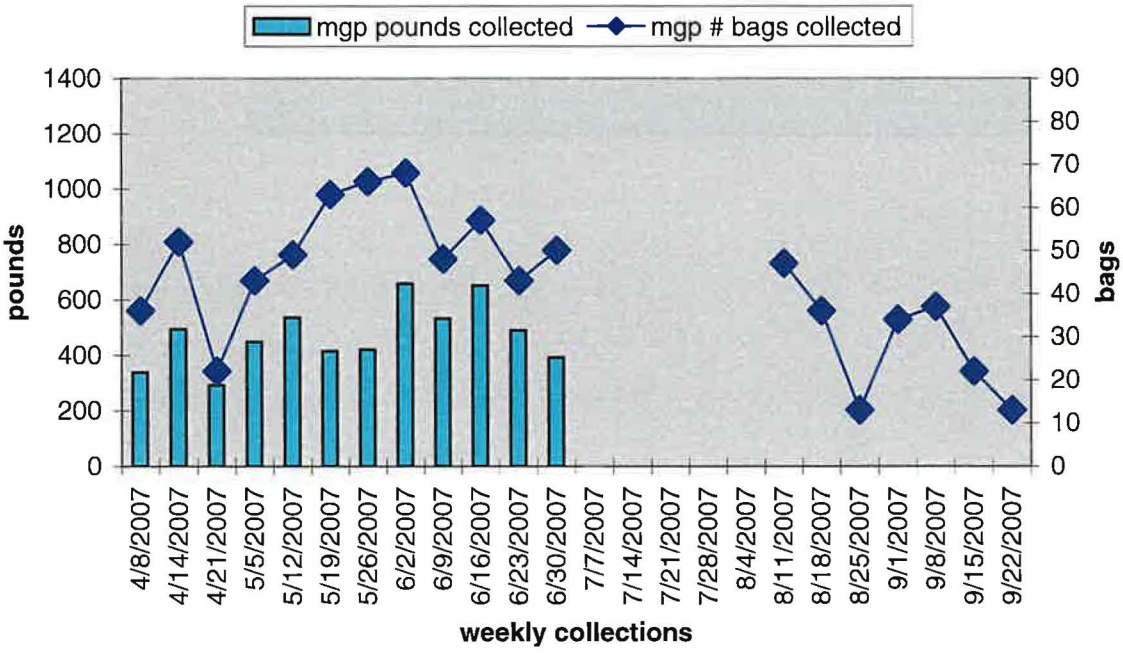
Whitehall Ferry Terminal, Manhattan: Profile

WHITEHALL: Paper Collections During and Post Pilot Period



Because of an operations issue, numerous Paper bags were lost from the Whitehall terminal during the week circled. This is the reason for the dip.

WHITEHALL: MGP Collections During and Post Pilot Period



St. George Ferry Terminal, Staten Island: Profile

Main Entrance

Passengers arrive from outside to enter the ferry terminal here.

The Main Terminal

In the spacious terminal, there are several rows of benches for people to sit and wait.

Coffee Bar

Newspapers

The **St George** Ferry terminal is busiest during peak rush hours. Human traffic and behavior patterns observed at the St. George Ferry terminal in Staten Island are similar to those found at the Whitehall Ferry terminal in Manhattan. However, whereas there are many transportation hubs in Manhattan, St. George, with direct connections to buses and the Staten Island Railway, is the central commuter spot of the island.

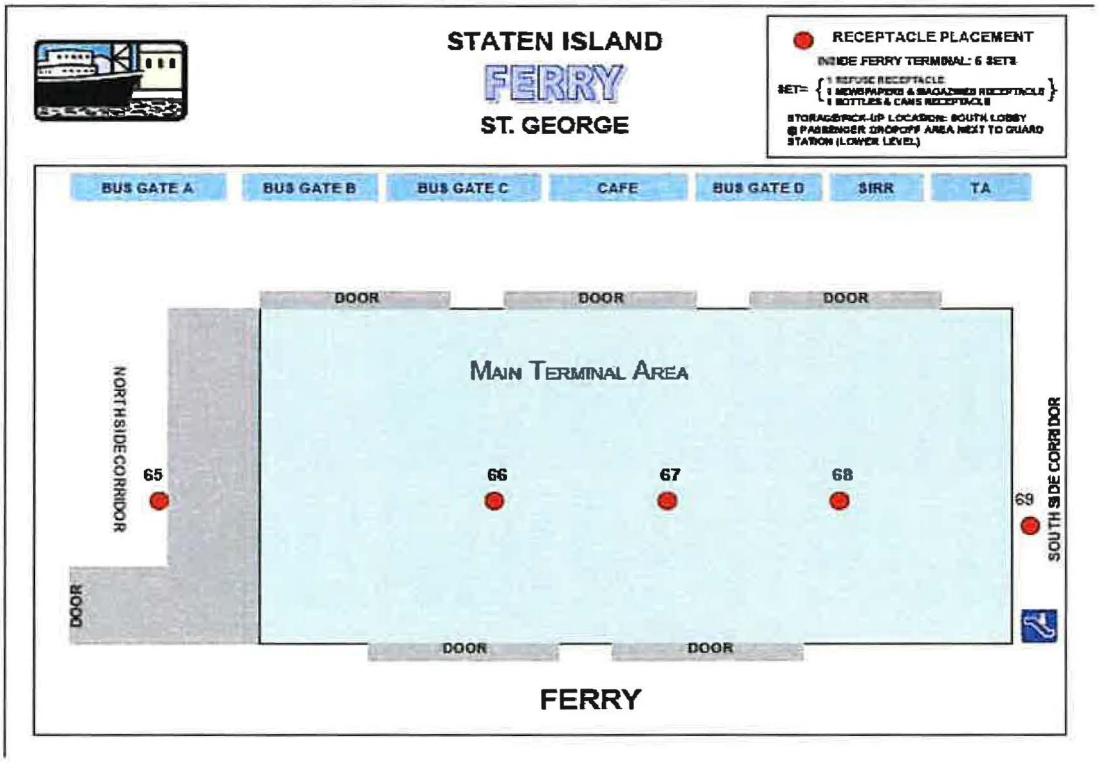
A Café is accessible just outside the main terminal of the St. George station. Numerous potential waste items – including coffee, snacks, and newspapers – can be purchased here.

St. George Ferry Terminal, Staten Island: Profile

Bin sets in the St. George Terminal.

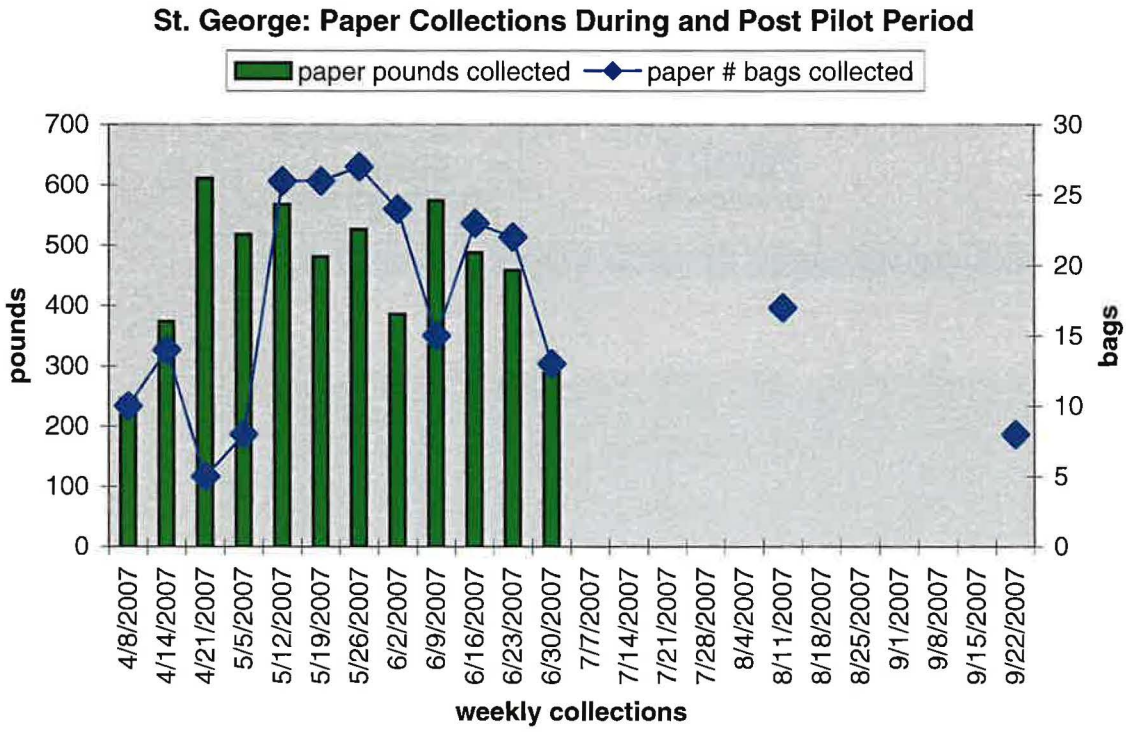
St. George Ferry Terminal, Staten Island: Profile

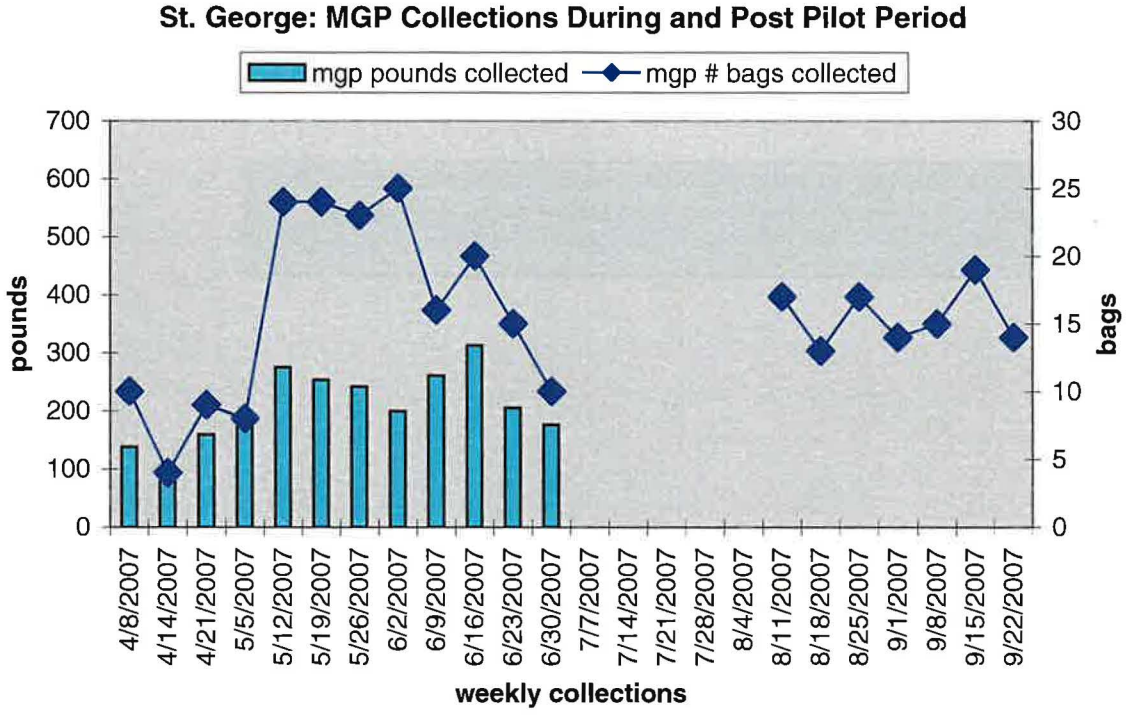
Receptacle Placement



Note: Because land use, subway access and outdoor media maps are not relevant for Public Space Recycling in Ferry Terminals as they are for parks, they are not shown here.

St. George Ferry Terminal, Staten Island: Profile





Poe Park, Bronx: Profile

Poe Park sits atop a 2.3 acre lot in the North Fordham section of the Bronx. Although the park features an historic landmark, the Edgar Allen Poe House, and a bandstand with occasional concerts and plays, it is not a major tourist attraction. Park visitors appear to be persons who live or go to school in the neighborhood.

Several blocks from the B/D stop, Poe Park is not a major entry/exit point to transit. As a result, this park is not heavily used by workers for lunch breaks as seen in busy downtown parks like Union Square Park. Instead, Poe Park is mainly enjoyed by parents with small children and teens.

The surrounding neighborhood consists largely of residential high rises. Local area businesses are mostly delis and fast-food venues. There are few professional offices near the park. The only vendor stationed on park grounds was a cart selling shaved ice. Newspapers are not sold or handed out freely in the park as observed at the ferries and both Columbus and Union Square Parks. In may be that the minimal number of local markets and shopping stores decreases the potential volume of both recyclables and waste in Poe Park.

Two of the six bins sets in Poe Park are shown above.

Poe Park is surrounded by mostly residential buildings.

Children at Play

Many adolescents visit the park and engage in recreation activities like roller skating. There is also an interior playground for parents and young children.

Poe Park, Bronx: Profile

Land Use

Poe Park, Bronx

Neighborhood
(area extending a quarter mile from park boundary)

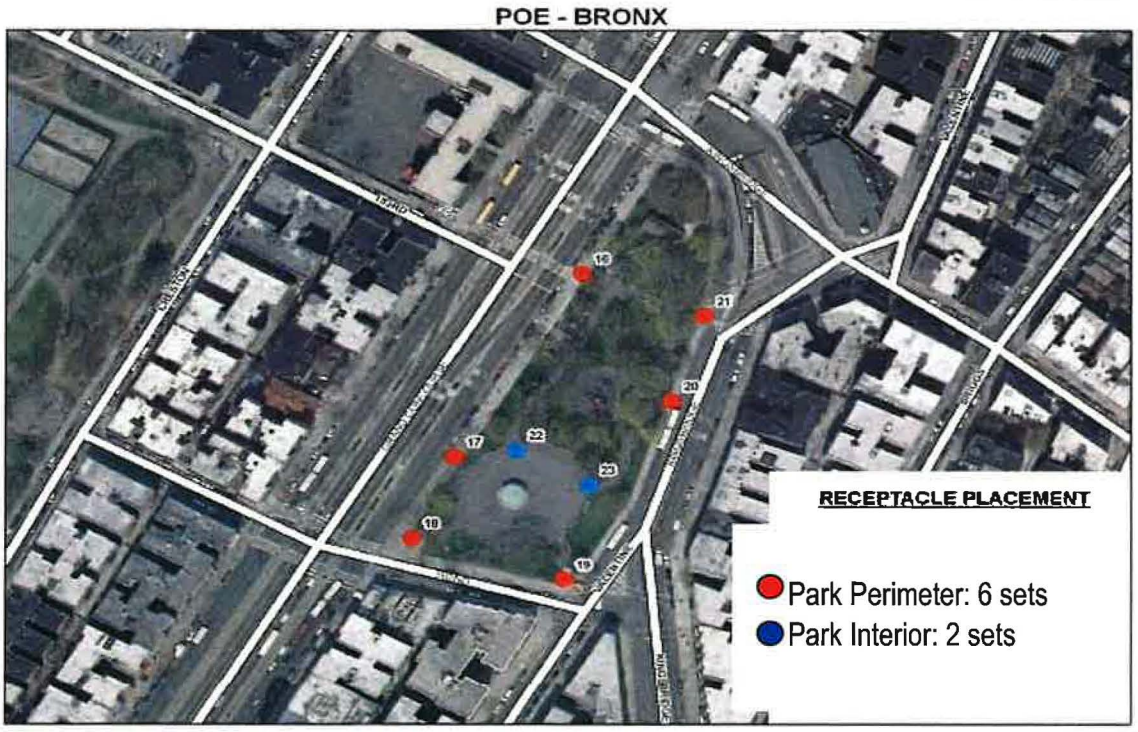
Streets

Lots by Land Use Classifications

- One & two family bldgs
- Multi-family bldgs walk-up
- Multi-family bldgs elevator
- Mixed res. & comm. bldgs
- Comm. & office bldgs
- Industrial & manufacturing
- Transportation & utility
- Public facilities & institutions
- Open space & outdoor recreation
- Parking facilities
- Vacant land

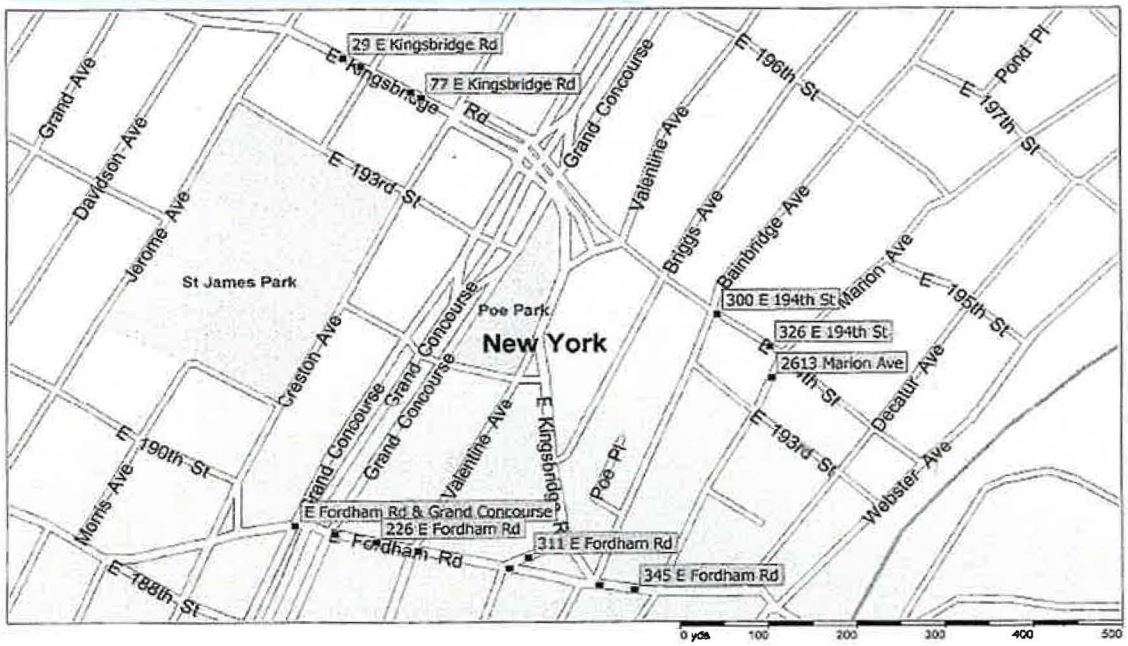
Land use distribution (including the park)	% of total area in neighborhood	Land use distribution (including the park)	% of total area in neighborhood
Multi-Family Buildings	34.3%	Mixed Residential and Commercial Buildings	10.0%
Commercial and office Buildings	16.8%	Parking Facilities	1.2%
Public Facilities and Institutions	14.5%	Vacant Land	0.8%
Open Space and Outdoor Recreation	11.6%	Transportation and Utility	0.8%
One & Two Family Buildings	10.1%	Industrial and Manufacturing	0.0%

Receptacle Placement

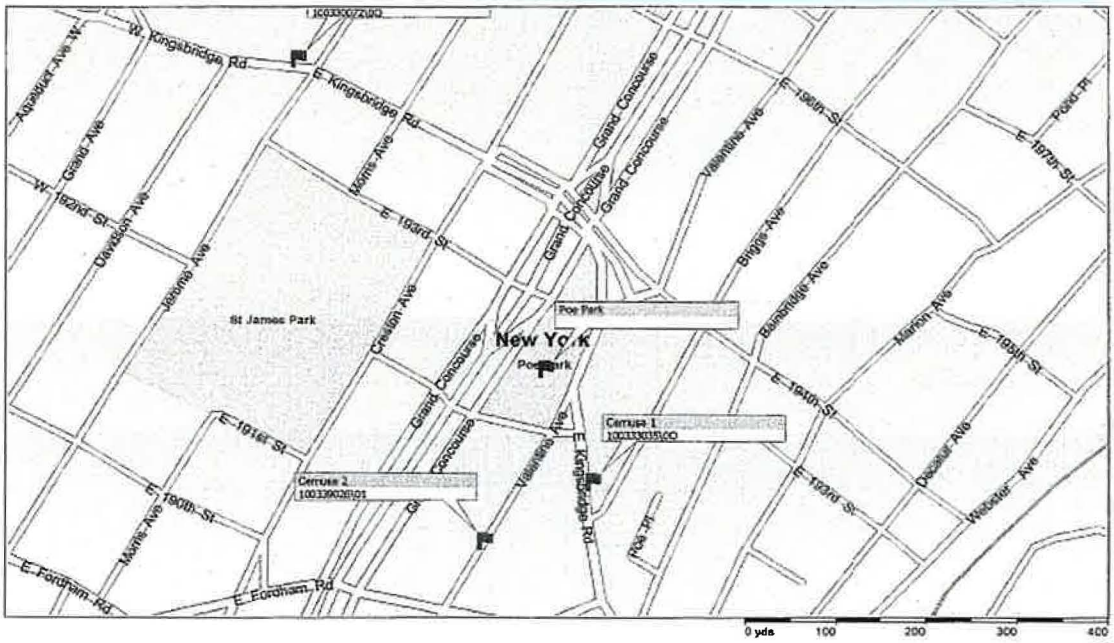


Poe Park, Bronx: Profile

Phone Kiosk Placements



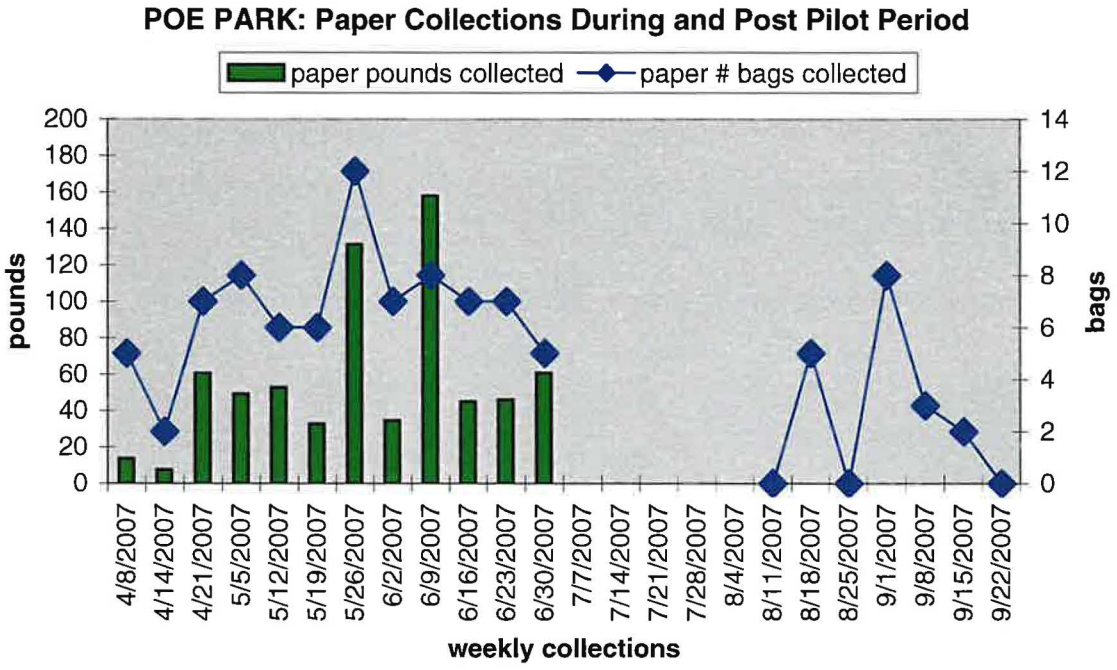
Bus Shelter Placements

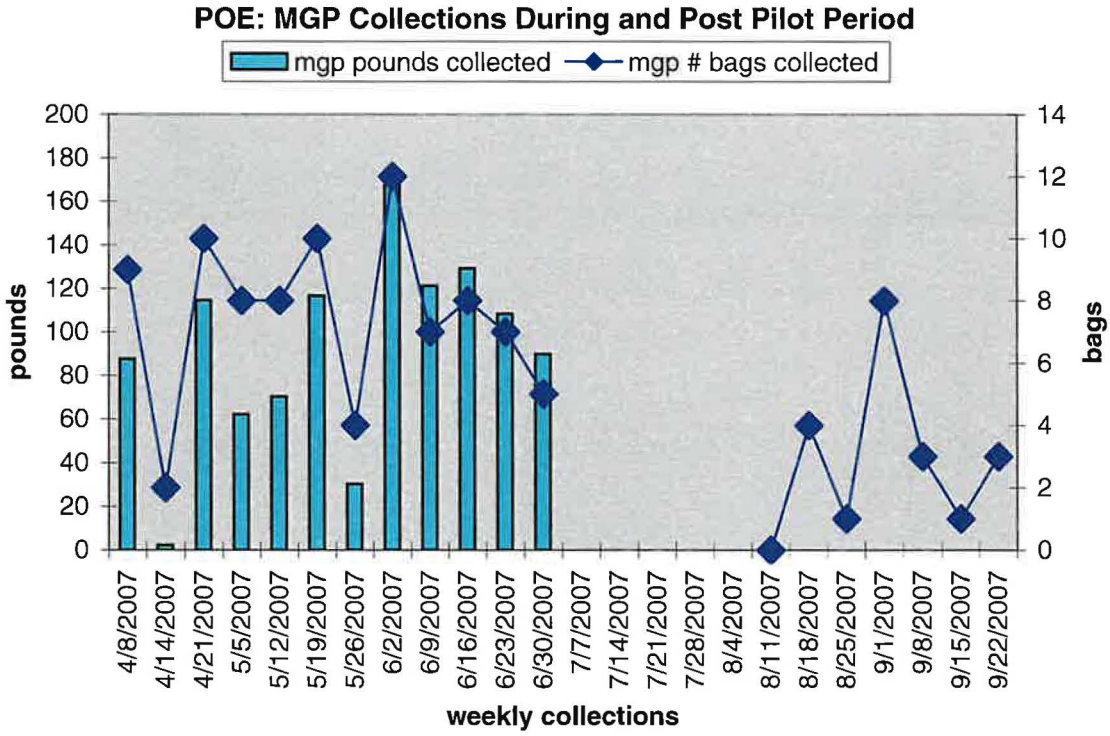


Poe Park, Bronx: Profile

Subways nearby

Poe Park, Bronx: Profile





Hoffman Park, Queens: Profile

Shown here are peripheral bin sets

Shopping Mall
A large shopping mall is located on the opposite side of the targeted bin set. Many shoppers were observed crossing Hoffman Drive from the shopping center and walking toward the bus stops near the park.

Bus Stop

On Woodheaven Boulevard, another set of bins is located next to a bus stop.

Hoffman Park, known as "Hoffman Playground", is a nearly 3 acre site heavily geared toward use by families with small children, as well as a break spot for employees from nearby St. John's Queens Hospital. The shopping mall dominates the surrounding urban landscape of the park and there are few noticeable residences. The popular Queen's Center Mall features department and other stores.

G-R-V train stops are located a block away. The park is also flanked by busy thoroughfares – Queens and Woodhaven Boulevard – as well as major bus stops, and auto-routes.

Besides what is available at the mall, there were very few restaurants, supermarkets, or small grocery stores within walking distance of the park. One small newsstand was stationed at the intersection of Hoffman Drive and Woodhaven Boulevard.

Hoffman Park, Queens: Profile

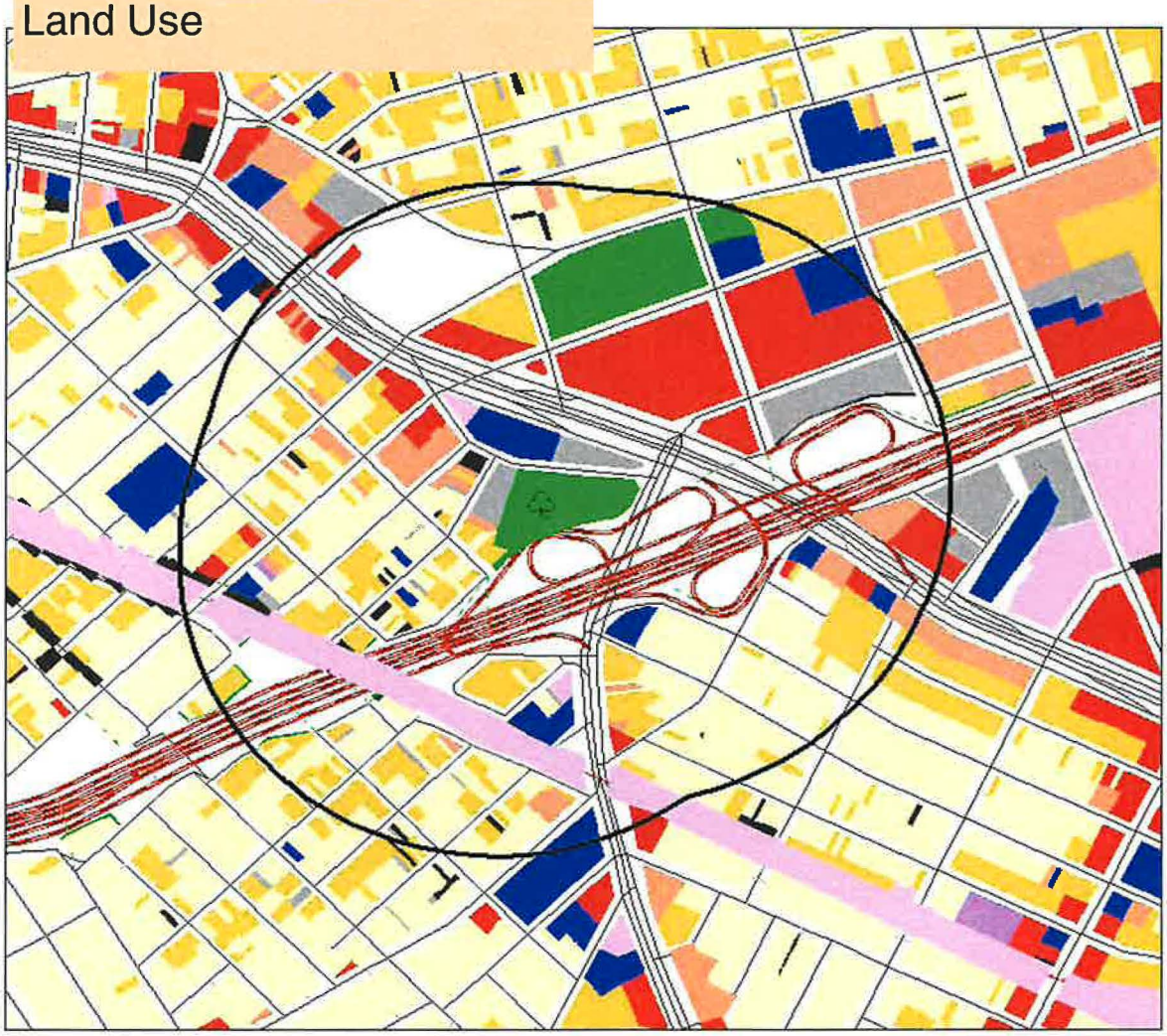
Children's Playground

This is a rather large play area that attracts young children along with their parents.

Shown here: Bin sets in the park interior and at the perimeter

Hoffman Park, Queens: Profile

Land Use

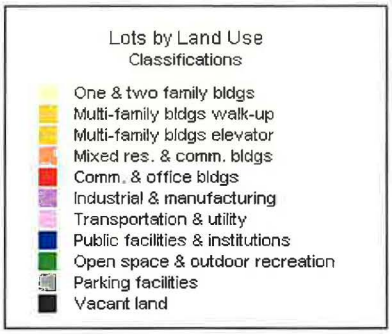


Hoffman Park, Queens

Neighborhood
(area extending a quarter mile from park boundary)

Streets

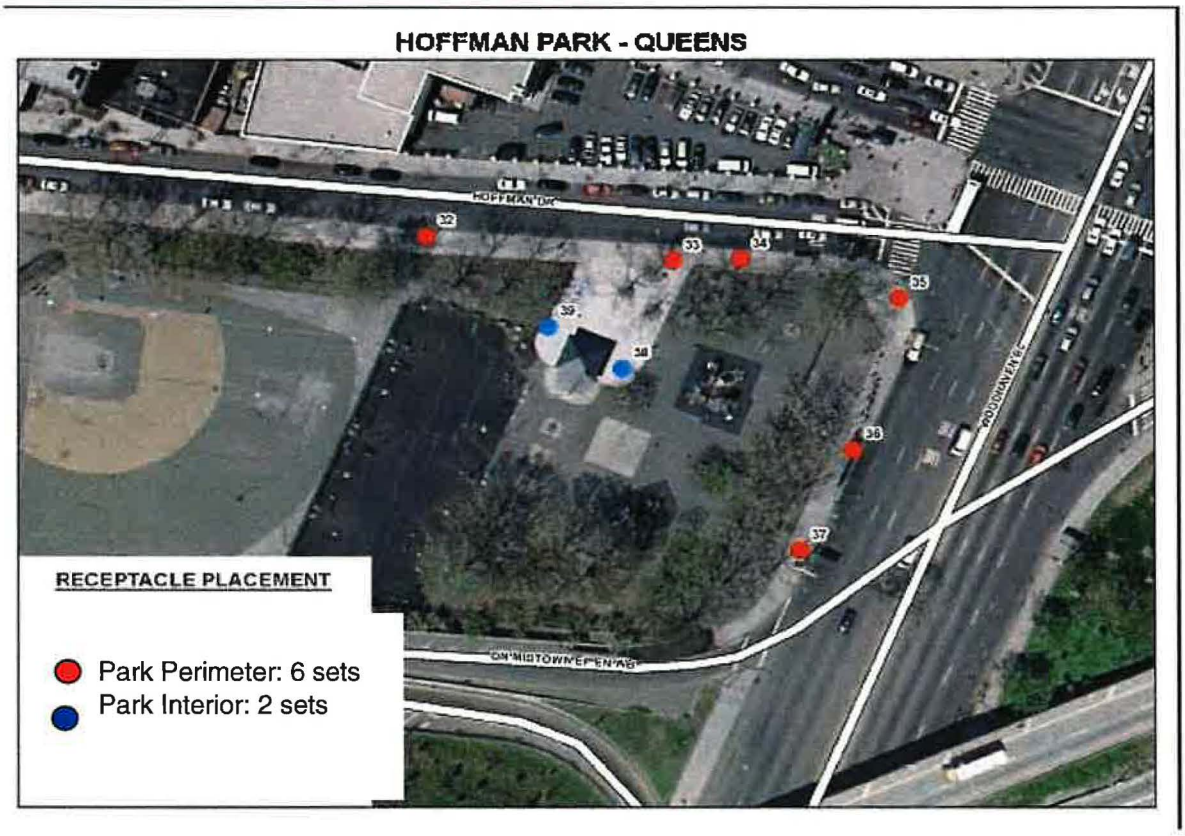
Highways



Land use distribution (including the park)	% of total area in neighborhood	Land use distribution (including the park)	% of total area in neighborhood
One & Two Family Buildings	31.6%	Mixed Residential and Commercial Buildings	4.7%
Multi-Family Buildings	19.6%	Parking Facilities	4.6%
Commercial and office Buildings	18.3%	Vacant Land	1.2%
Open Space and Outdoor Recreation	10.6%	Transportation and Utility	0.4%
Public Facilities and Institutions	8.8%	Industrial and Manufacturing	0.1%

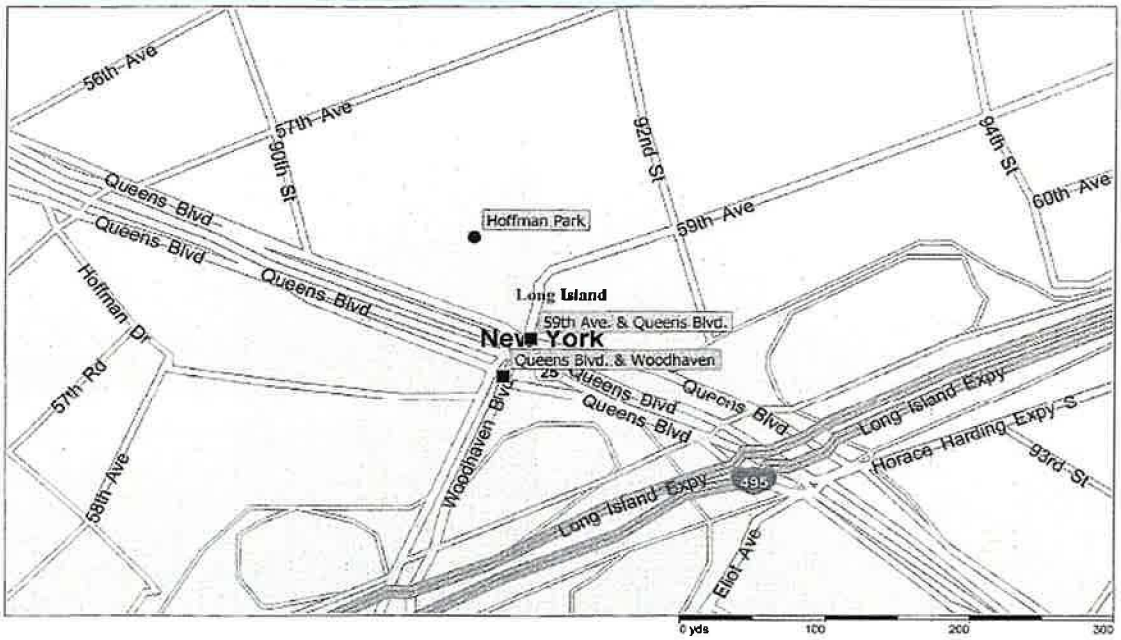
Hoffman Park, Queens: Profile

Receptacle Placement

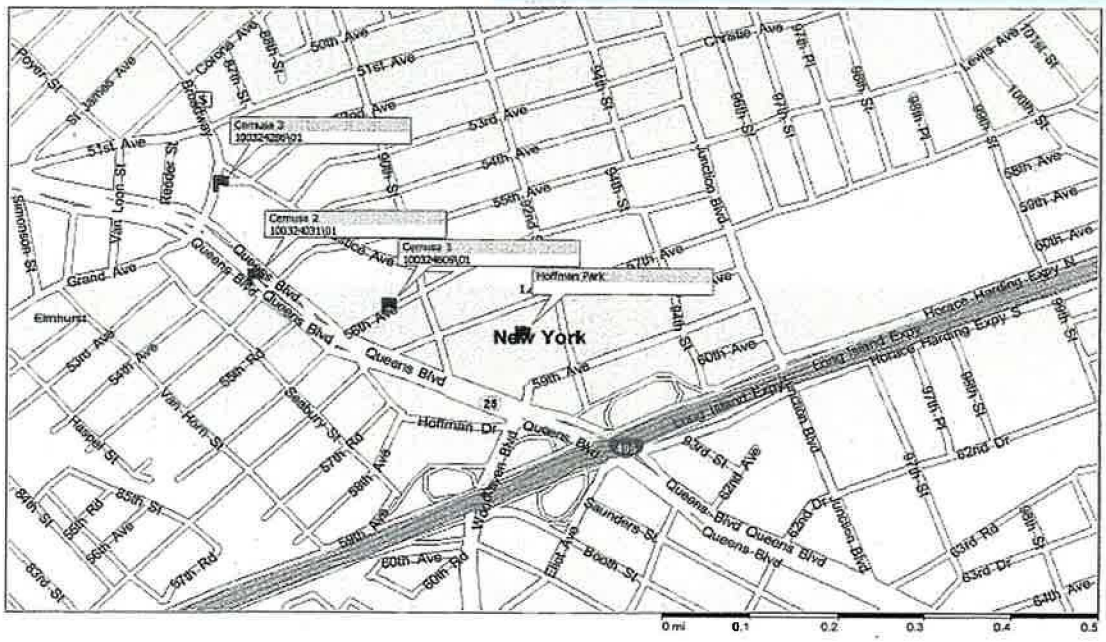


Hoffman Park, Queens: Profile

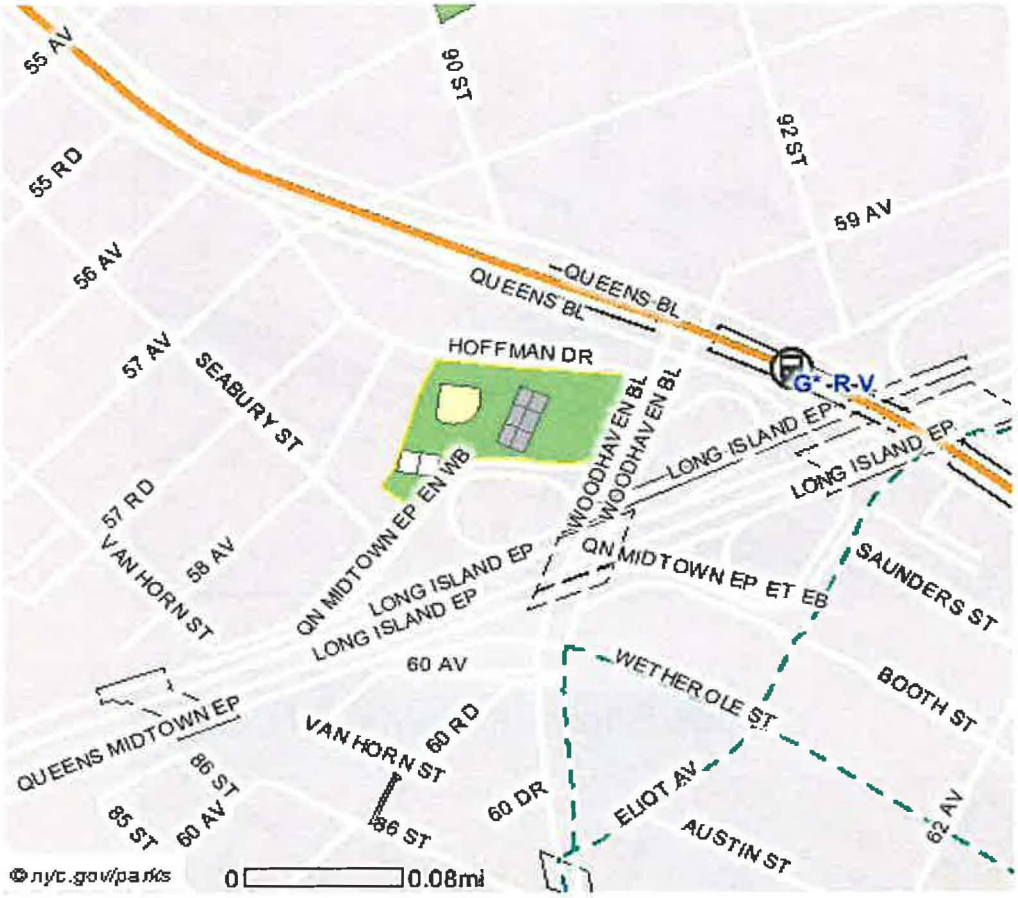
Phone Kiosk Placements



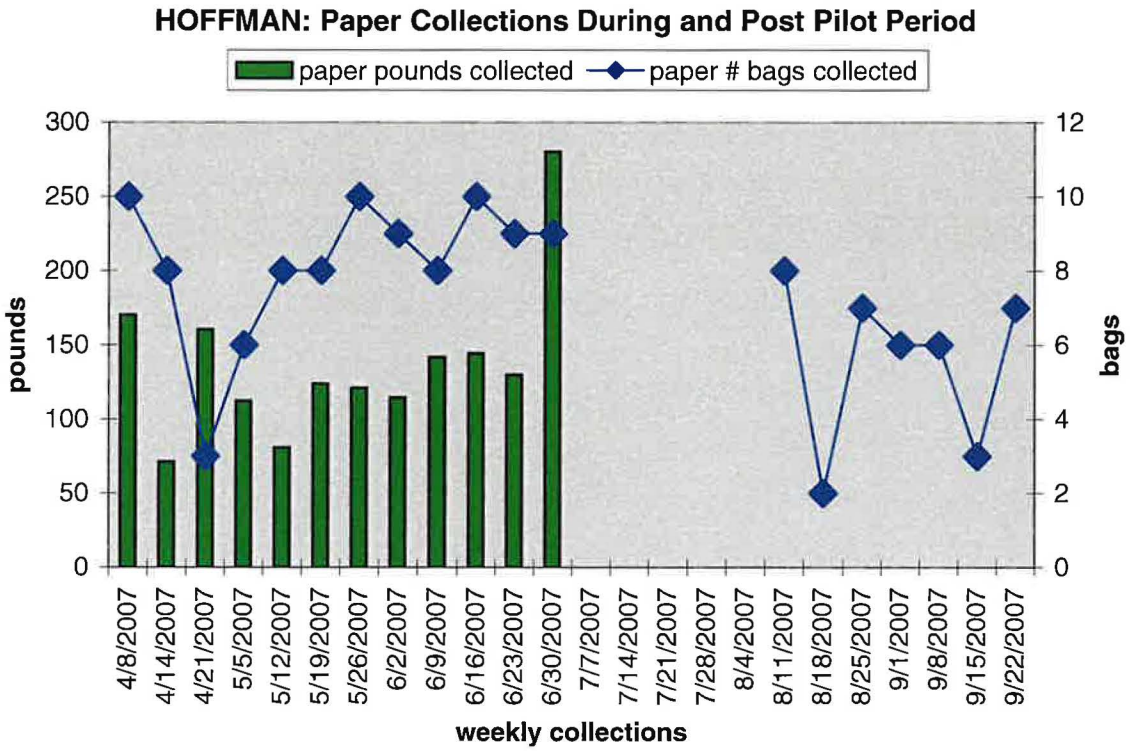
Bus Shelter Placements

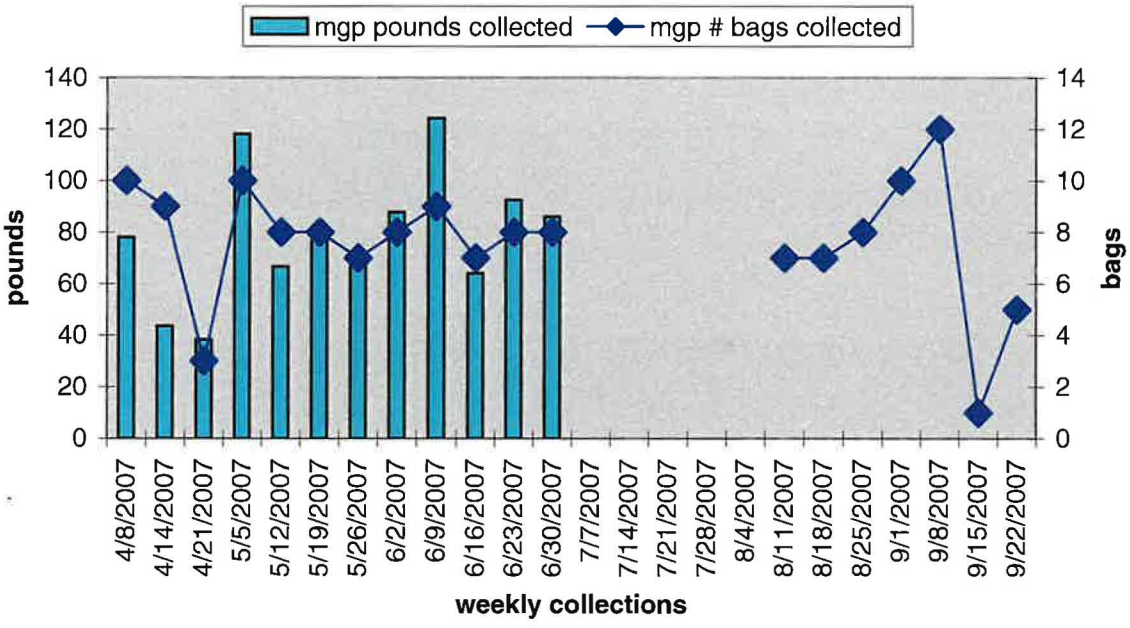


Subways nearby



Hoffman Park, Queens: Profile





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Tappen Park, Staten Island: Profile

Benches, a Pizzeria and Restaurants across the street.

Recycling Bin Set

The set of bins were located on the periphery. Not many people visited the park on day of observation. At time of observation, only 20 persons were inside the park.

Tappen Park is a small (1.7 acre) park located on the East Coast of Staten Island, and is set amid small shops and low rise residential buildings. Although a SI Commuter Train station is a few blocks away, the park is not itself a commuter hub. Instead, this quiet park enjoys modest use as a resting spot for shoppers, library patrons, and users of the historic "Town Hall" structure on the site.

This park seemed underused on the day it was observed, with few pedestrians entering or exiting the sparingly used buildings and businesses. Most of the observed park users appeared to be residents, particularly parents with small children.

Tappen Park, Staten Island: Profile

Land Use

Tappen Park, Staten Island

Neighborhood
(area extending a quarter mile from park boundary)

Streets

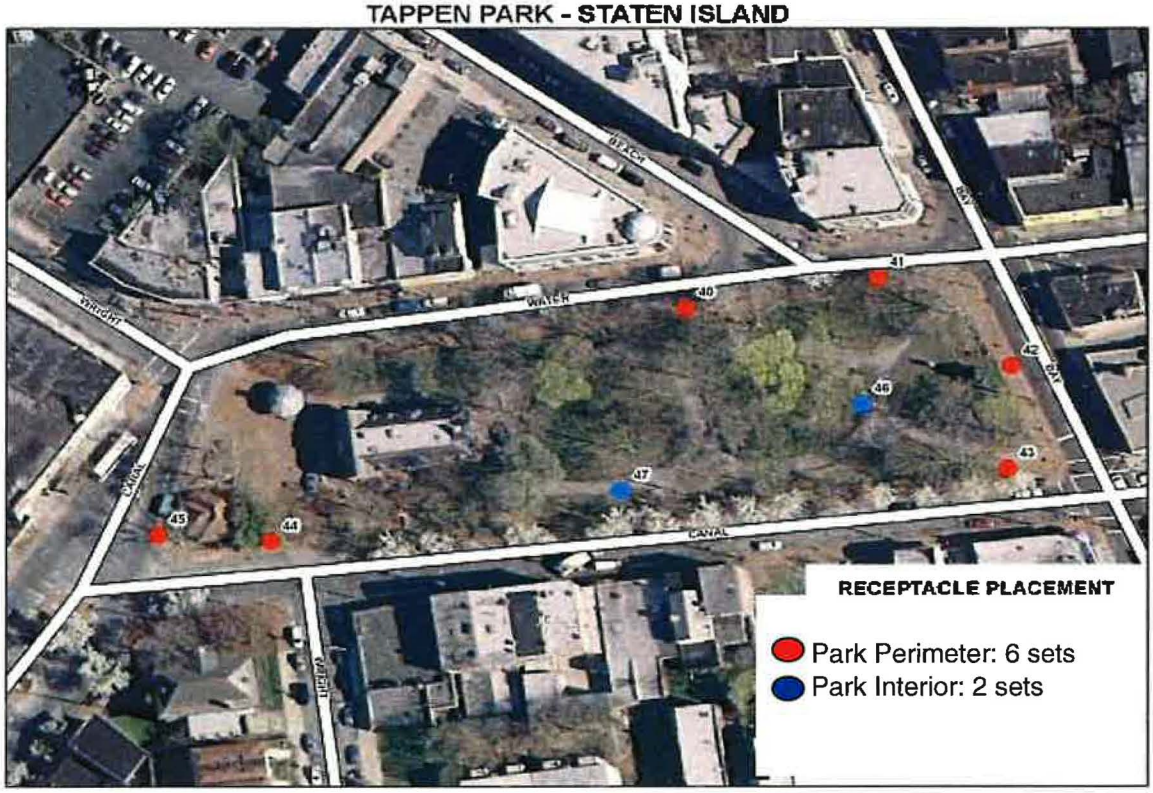
Lots by Land Use Classifications

- One & two family bldgs
- Multi-family bldgs walk-up
- Multi-family bldgs elevator
- Mixed res. & comm. bldgs
- Comm. & office bldgs
- Industrial & manufacturing
- Transportaion & utility
- Public facilities & institutions
- Open space & outdoor recreation
- Parking facilities
- Vacant land

Land use distribution (including the park)	% of total area in neighborhood	Land use distribution (including the park)	% of total area in neighborhood
Public Facilities and Institutions	59.8%	Multi-Family Buildings	2.2%
Transportation and Utility	14.4%	Mixed Residential and Commercial Buildings	1.9%
One & Two Family Buildings	10.0%	Open Space and Outdoor Recreation	1.5%
Vacant Land	4.3%	Parking Facilities	1.2%
Commercial and office Buildings	3.7%	Industrial and Manufacturing	1.1%

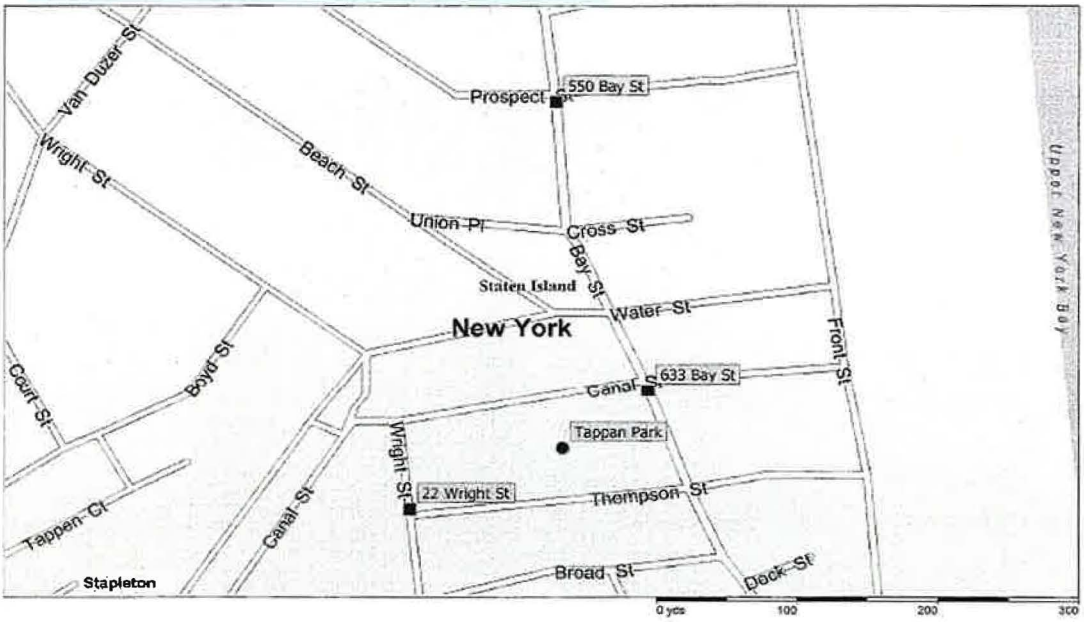
Receptacle Placement

TAPPEN PARK - STATEN ISLAND

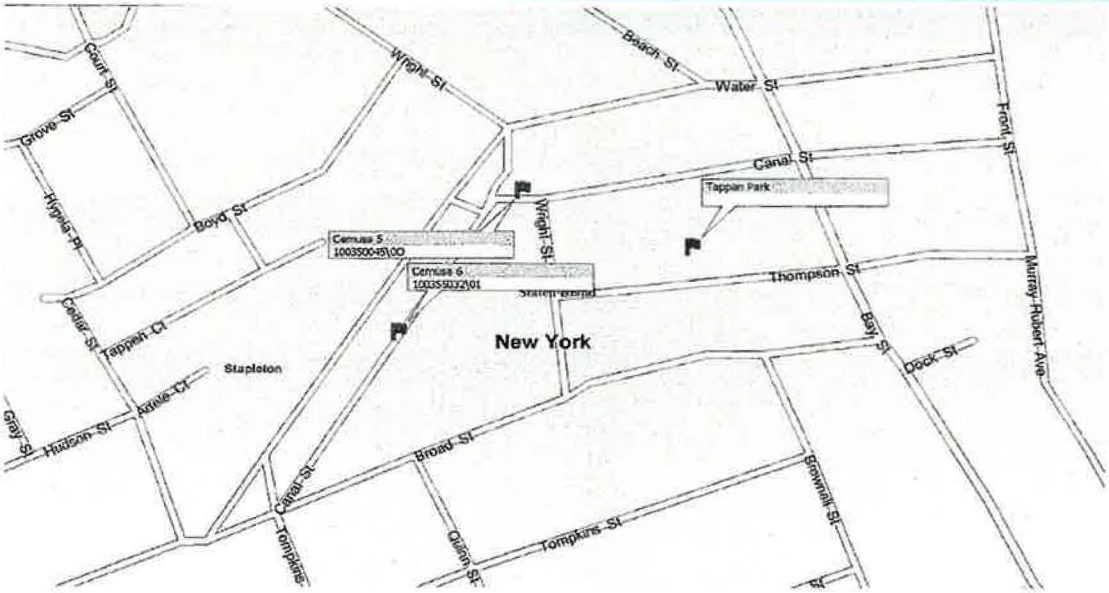


Tappen Park, Staten Island: Profile

Phone Kiosk Placements

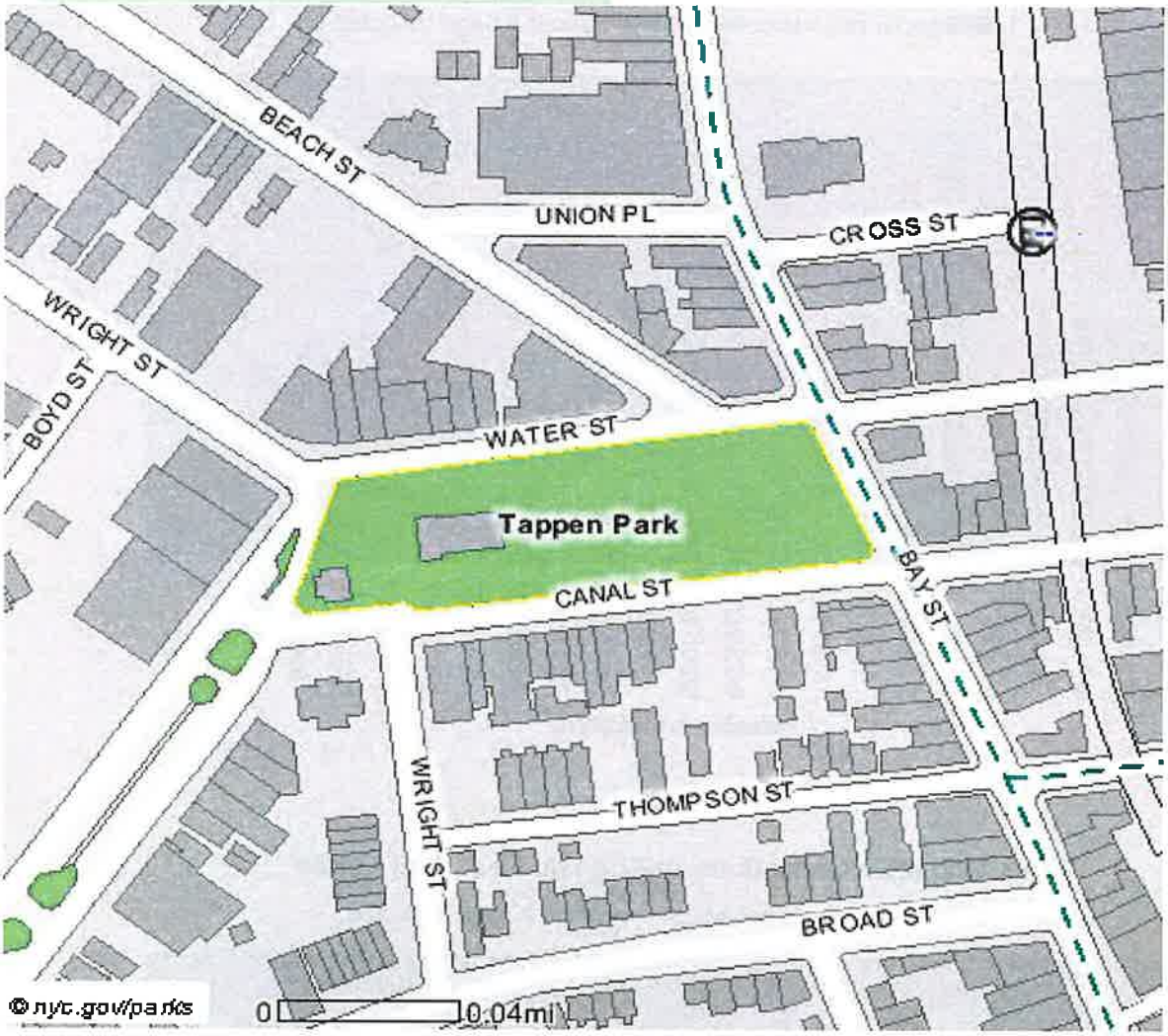


Bus Shelter Placements

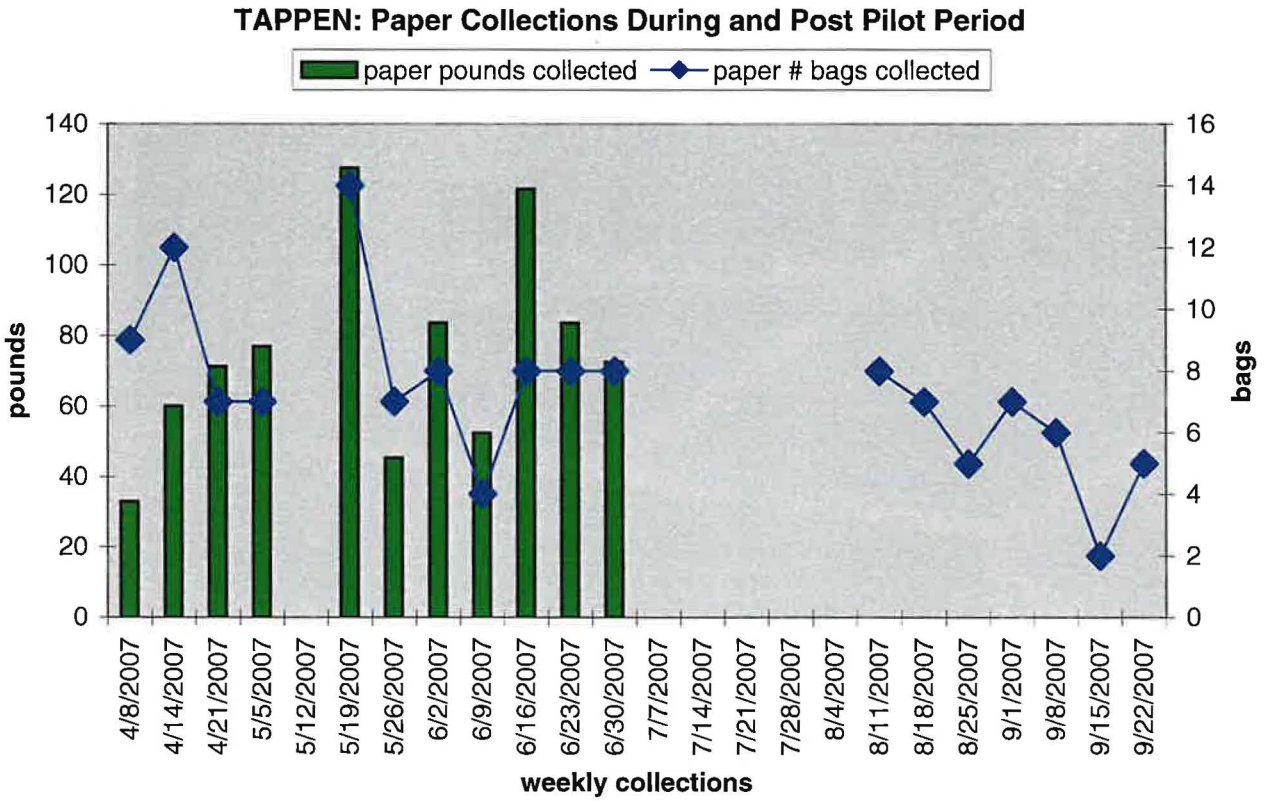


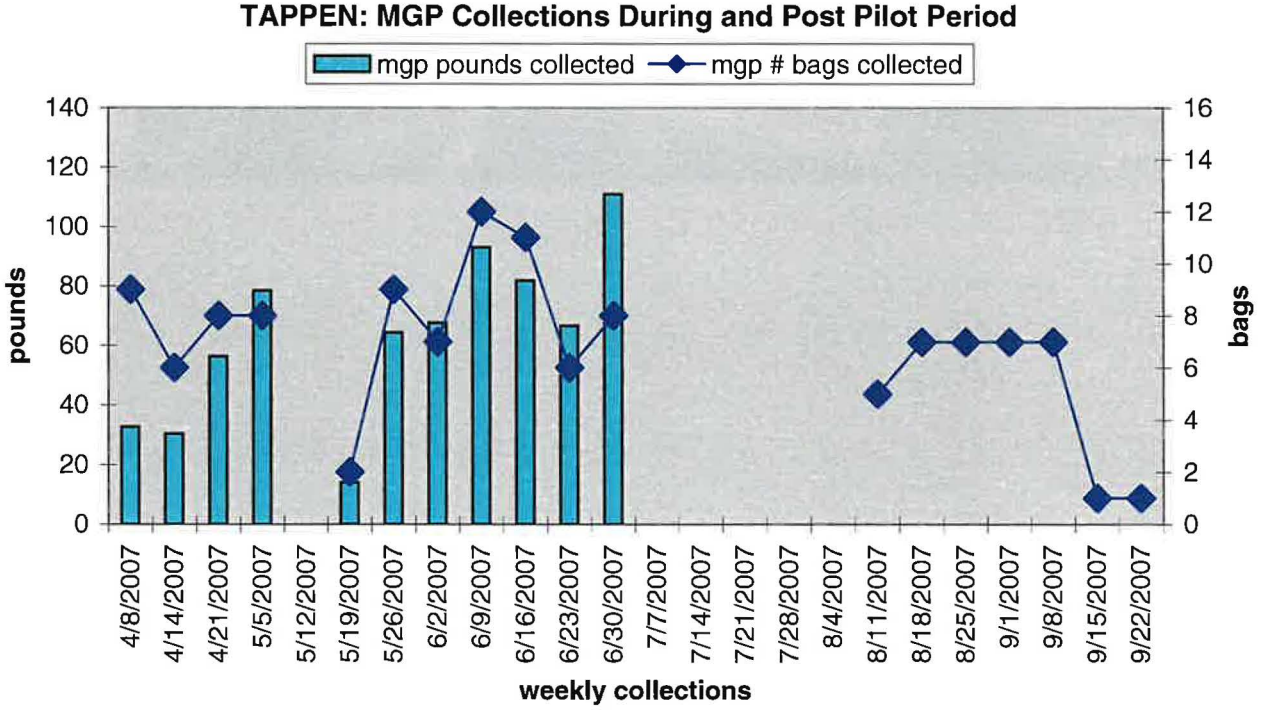
Tappen Park, Staten Island: Profile

Subways nearby



Tappen Park, Staten Island: Profile



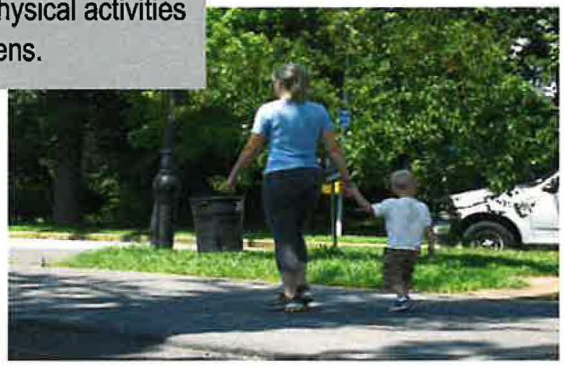


Clove Lakes Park, Staten Island: Profile

Clove Lakes Park, a nearly 200 acre park in the West Brighton section of Northern Staten Island, is a beautiful preserve of meadows, ponds and a forest. A site for hiking and learning about nature, the park is vast and visited heavily by families and birdwatchers. Although a pedestrian sidewalk and a bus route surround the park perimeter, this is not a major site for commuters or workers on lunch break. In fact, unlike any of the other parks, this park features a large parking lot on its interior grounds. Also unique to Clove Lakes Park is a large supply of recreational facilities such as an expansive soccer/baseball field, basketball courts, and a boating pond where large geese make their home.

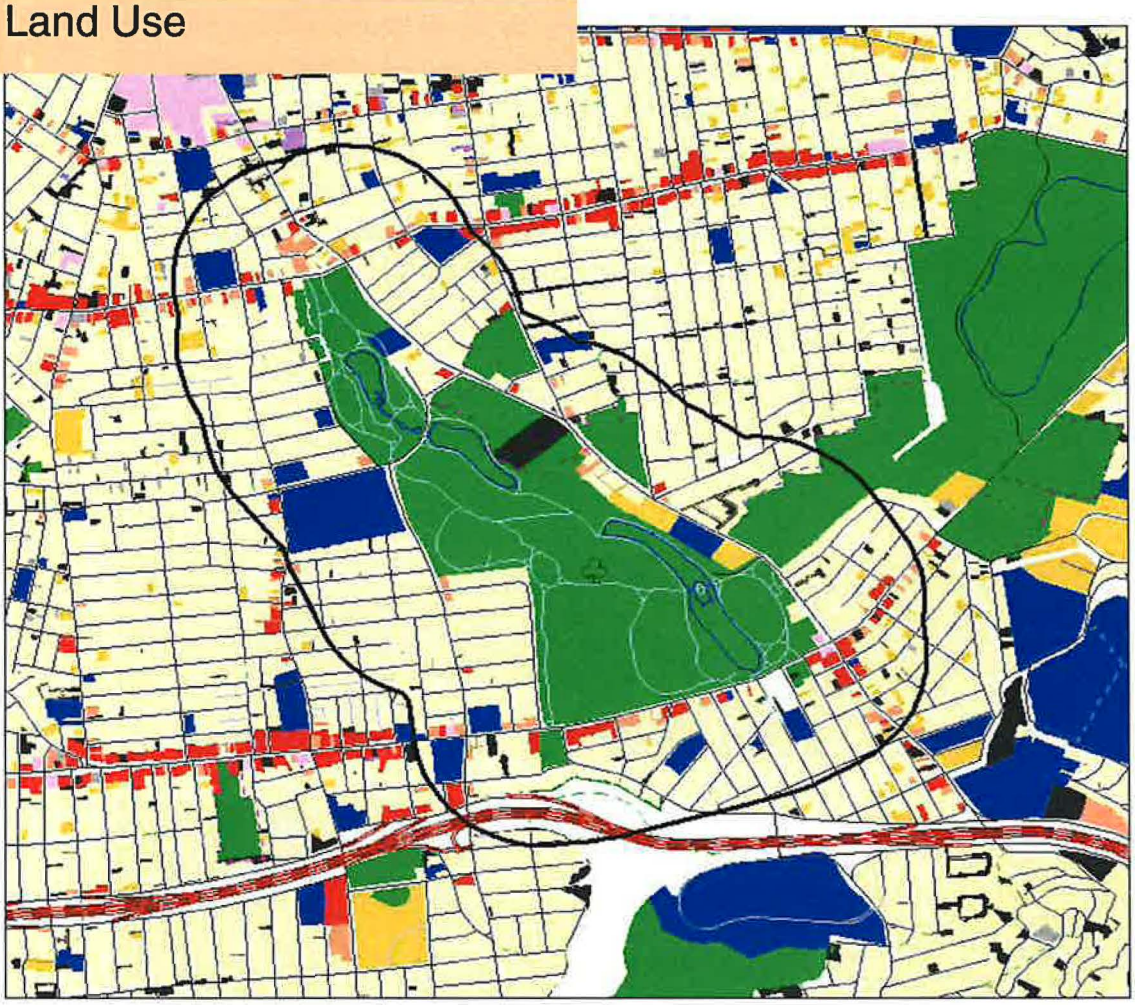
There is one major traffic route near the park. While there are a handful of local businesses (mostly fast-food restaurants), there is not much of a surrounding residential area. Professional offices are also sparse.

Clove Lakes Park in Staten Island has a feeling of a "family park". There is a large interior parking lot where families can park their cars. Below, parents enjoy park amenities and engage in physical activities with young children and teens.



Clove Lakes Park, Staten Island: Profile

Land Use



Clove Lakes Park, Staten Island

Neighborhood
(area extending a quarter mile from park boundary)

Streets

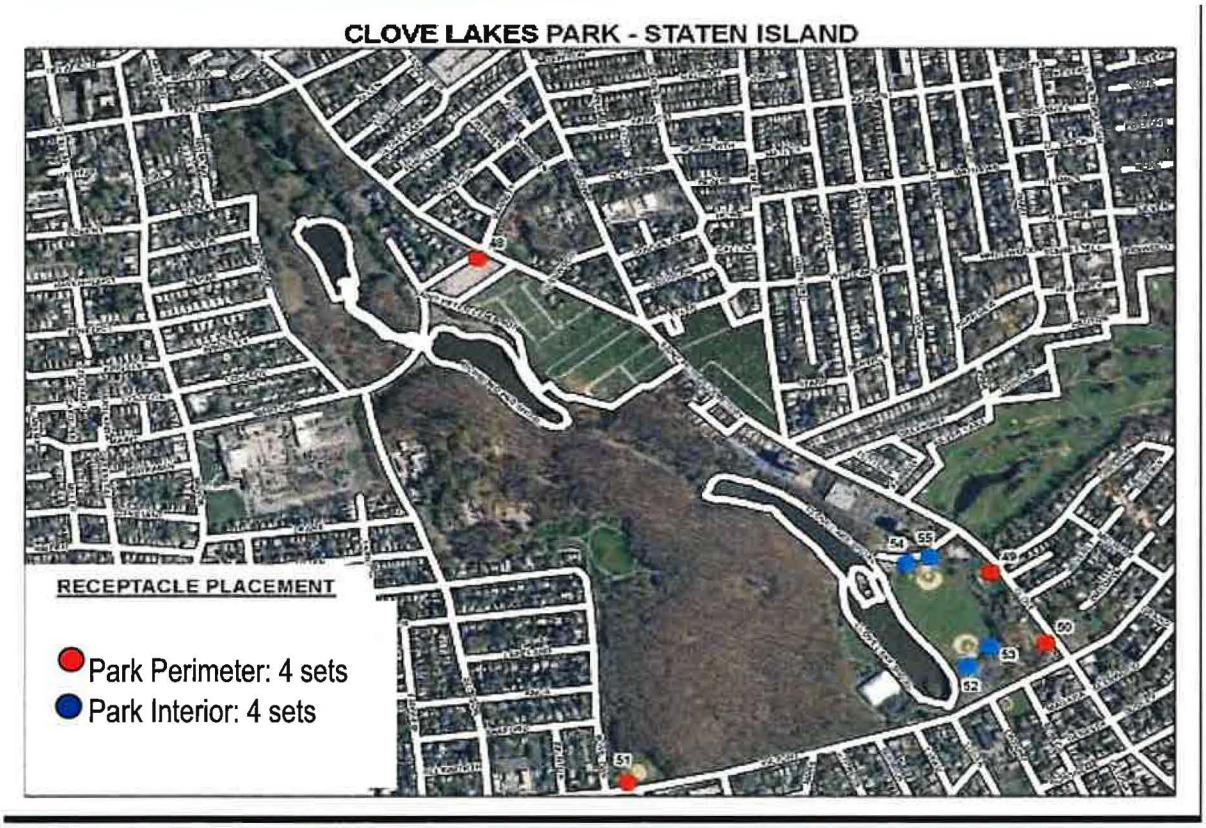
Highways

Lots by Land Use Classifications

- One & two family bldgs
- Multi-family bldgs walk-up
- Multi-family bldgs elevator
- Mixed res. & comm. bldgs
- Comm. & office bldgs
- Industrial & manufacturing
- Transportaion & utility
- Public facilities & institutions
- Open space & outdoor recreation
- Parking facilities
- Vacant land

Land use distribution (including the park)	% of total area in neighborhood	Land use distribution (including the park)	% of total area in neighborhood
One & Two Family Buildings	47.4%	Mixed Residential and Commercial Buildings	1.4%
Open Space and Outdoor Recreation	37.5%	Multi-Family Buildings	1.9%
Public Facilities and Institutions	7.3%	Parking Facilities	0.1%
Vacant Land	2.3%	Transportation and Utility	0.1%
Commercial and office Buildings	1.9%	Industrial and Manufacturing	0.0%

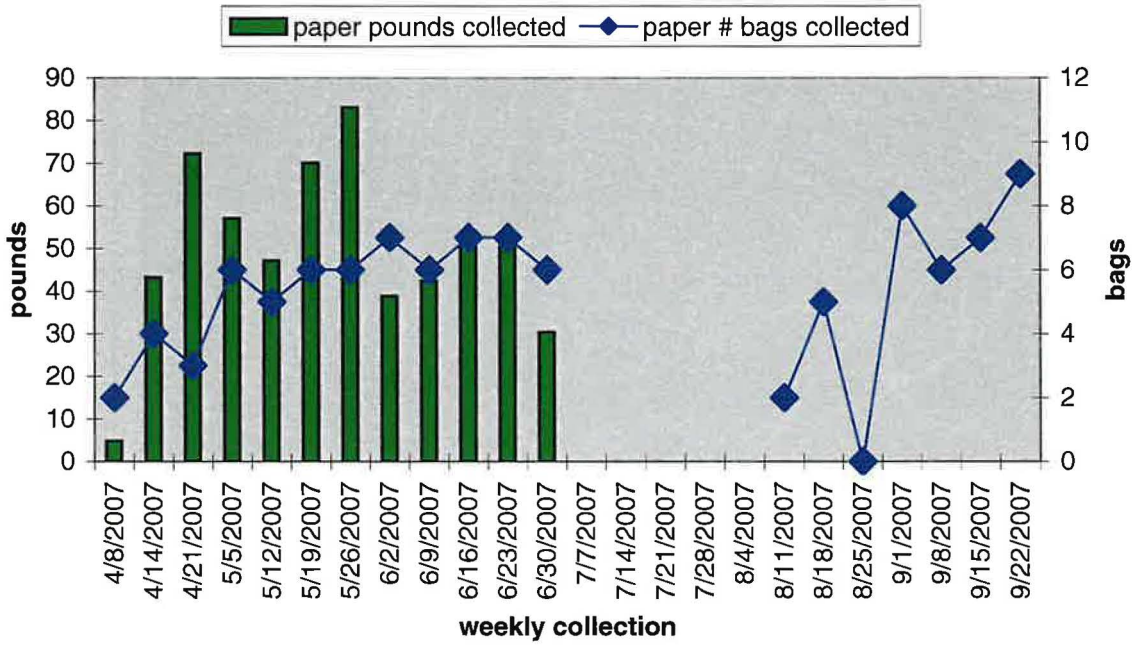
Receptacle Placement



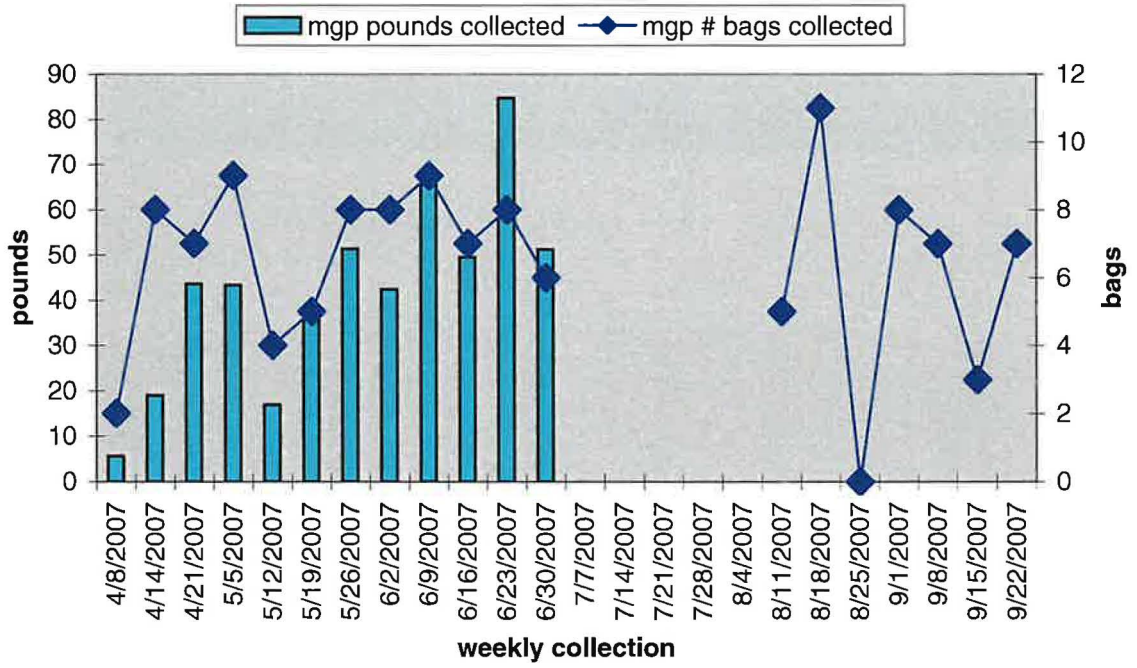
Note: No outdoor advertising was mounted at Clove Lakes Park, nor are there subway or commuter train stops nearby.

Clove Lakes Park, Staten Island: Profile

CLOVE LAKES: Paper Collections During and Post Pilot Period



CLOVE LAKES: MGP Collections During and Post Pilot Period



Public Space Recycling Pilot Program

Survey Results and Statistical Analysis

Revised Draft September 2007

Prepared by

HDR

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EXECUTIVE SUMMARY

New York City's (City) approved Solid Waste Management Plan (SWMP), for the 2006-2025 planning period, included an initiative to conduct a pilot public space recycling program. The Department of Sanitation (DSNY) designed and implemented a pilot public space recycling program (Program), from April through June 2007. Green and blue recycling cans were placed in six parks and two ferry terminals along side the existing refuse baskets. The Program targeted two streams of recyclable materials: paper (green can) and metals, glass, and plastic (MGP) (blue can). The six parks and two ferry terminals were located throughout the five boroughs of the City: Union Square Park, Manhattan; Poe Park, Bronx; Columbus Park, Brooklyn; Hoffman Park, Queens; Tappen and Clove Lakes Parks, Staten Island; Whitehall Ferry Terminal, Manhattan; and St. George Ferry Terminal, Staten Island.

DSNY engaged Henningson, Durham & Richardson Architecture & Engineering, P.C. (HDR) to perform a pilot waste survey (Survey) and statistical analysis (Analysis) to assess the efficacy of this Program. The Survey and Analysis were designed to estimate the level of contamination generated from the paper and MGP recycling receptacles for each location. Total weight, total contaminant weight, percent contamination, and average weight per bag generated by the Program per recyclable stream at each park and ferry terminal were determined. The focus of the Survey was to examine contamination levels in each material stream. All material was determined to be Recyclable or Contaminant based on DSNY's criteria for acceptable recyclable materials.

Over the course of the 13-week Program, there were differences in the quantity and quality of the MGP and paper bags collected from the ferry terminals and parks. In general, more bags were collected from each ferry terminal than from each park, more bags were collected from the perimeter of the parks than from the interior, the paper bags were heavier than the MGP bags, and the paper bags had a significantly lower overall contamination rate than the MGP bags. The percent contamination for paper bags over the total Program was 4.83 percent, while the percent contamination for MGP was 37.49 percent.

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1.0 INTRODUCTION

1.1 Background

New York City's (City) approved Solid Waste Management Plan (SWMP), for the 2006-2025 planning period, included new initiatives for enhancing the City's diversion rate of recyclables to reduce the total amount of materials requiring final disposal. One of these initiatives was to conduct a pilot public space recycling program. According to Section 2.4.9 Public Recycling of the SWMP, in many areas of the City, including parks and transportation facilities, "use by large numbers of people leads to significant amounts of waste being deposited in public trash receptacles...there are very limited public recycling receptacles on the City's streets, in its parks, or in transportation facilities, thereby causing all of this recyclable material to enter the waste stream and ultimately be exported to landfills or incinerators." According to the SWMP, after completion of the pilot program, "DSNY will evaluate the plan with an eye towards expanding it to additional locations and will report findings and recommendations to the Council."

The Department of Sanitation (DSNY) designed and implemented a pilot public space recycling program (Program), from April through June 2007. Green and blue recycling cans were placed in six parks and two ferry terminals along side the existing refuse baskets. The Program targeted two streams of recyclable materials: paper (green can) and metals, glass, and plastic (MGP) (blue can). The six parks and two ferry terminals were located throughout the five boroughs of the City: Union Square Park, Manhattan; Poe Park, Bronx; Columbus Park, Brooklyn; Hoffman Park, Queens; Tappen and Clove Lakes Parks, Staten Island; Whitehall Ferry Terminal, Manhattan; and St. George Ferry Terminal, Staten Island.

DSNY engaged Henningson, Durham & Richardson Architecture & Engineering, P.C. (HDR) to perform a pilot waste survey (Survey) and statistical analysis (Analysis) to assess the efficacy of this Program. The Survey and Analysis were designed to estimate the level of contamination generated from the paper and MGP recycling receptacles for each location. Total weight, total contaminant weight, percent contamination, and average weight per bag generated by the Program per recyclable stream at each park and ferry terminal were determined. The focus of the Survey was to examine contamination levels in each material stream. All material was

determined to be Recyclable or Contaminant based on DSNY's criteria for acceptable recyclable materials.

1.2 Report Format

This report includes three sections: Survey Results, Methodology, and Conclusions; in addition to Appendices to the report. The Survey Results section summarizes the results of the Analysis by strata (site, location, and recycling stream). The Methodology section provides a detailed description of the collection procedures, the sampling methods, and the statistical analysis conducted. The Conclusion section includes a brief discussion of the results. The Appendices include a glossary of statistical terminology, the data collection forms used during the Survey, the location of the recycling cans in the parks and ferry terminals, detailed results tables, and the raw data.

Exhibit 1: Recycling Cans in Whitehall Ferry Terminal

2.0 SURVEY RESULTS

Observations from 12 of the 13 weeks of the Program were used to estimate characteristics of the material collected at the following parks and ferry terminals: Union Square, Poe, Columbus, Hoffman, Tappen and Clove Lakes Parks and Whitehall and St. George Ferry Terminals.[1] Extrapolating counts of bags and the total weight of recyclables over other time periods or different public spaces in the City based on the results of the Program needs to be done in a conservative fashion. Characteristics of the recyclable materials generated from the Program are constrained by the novelty of the Program, from both the perspective of the public and DSNY; human traffic patterns; rate of scavenging; and seasonality. If a public space recycling program is fully launched, over time, characteristics of collected material may change as users become more familiar with how to use the designated receptacles. However, the results do provide a benchmark from which future estimates can be derived. The results of the Program can be used to gauge if it was a success in these trial public spaces and if additional awareness programs need to be implemented in areas where it was not as effective.

Survey results and analyses presented in this report are based on the bags collected, sampled, and sorted over the Program. During week 3, severe rainfall did soak many paper bags; however, their impact was minimal on aggregated pilot characteristics. The rainfall caused the average weight of the bags to increase significantly from other weeks in the Program which, when analyzed on a weekly level, distort the trend of the material. However, this Analysis examined the weight of the bags over the duration of the Program. By aggregating the data, the impact of the one week is minimized. Table 2-1 displays weekly average bag weights per stream over the course of the Program. Week 3 generated the highest average bag weight for the paper stream while the average weight for MGP bags in week 3 represents the mid-range value.

[1] Collection and sorting was not undertaken during week 4 due to logistical problems.

Table 2-1 Average Bag Weights by Week and Stream per Collection Week

Week		Average Bag Weight (lbs.)	
		Paper	MGP
1	April 3	13.84	8.81
2	April 10	15.30	7.81
3	April 17	28.62	10.87
4	April 24	No Sample	No Sample
5	May 1	22.06	11.80
6	May 8	15.55	11.19
7	May 15	14.01	9.52
8	May 22	17.33	9.02
9	May 29	15.25	10.21
10	June 5	19.96	12.17
11	June 12	19.46	12.64
12	June 19	18.87	13.55
13	June 26	20.16	11.99

Table Notes:

1. Week 3 had unusually high rainfall amounts, which increased the weight of the paper bags.
2. Collection and sorting was not undertaken during week 4 due to logistical problems.
3. Average bag weight for week 6 does not include weights from Tappen Park because Parks personnel inadvertently serviced the cans.

Collection and sorting was not undertaken during week 4 due to logistical problems. Thus, no data was collected for that week. During week 6, Parks personnel inadvertently serviced the Tappen Park cans prior to DSNY personnel's Tuesday morning collection. There is no data for this park for that week.

2.1 Bags Collected

A total of 3,658 bags was collected and delivered over the 13 weeks of collecting, sampling, and sorting as of June 26, 2007.[2] Of the total bags collected, 3,489 bags (Table 2-2) have known sites and locations and represent the basis which the following measurements and estimates reference. For the purpose of this report, these 3,489 bags from the Program form the basis for the Analysis. All sampling errors associated with the estimates (percent contamination and contaminant weight) described in the report are at the 95 percent confidence level. Where measurements (average weight per bag and total weight) were made on the full population of collected bags, standard errors for totals, averages, or percentages are zero. From the total of 3,489 targeted bags, a sample of 2,621 bags was randomly selected for contamination sorting and weighing.

[2] 169 bags were excluded from the Analysis for reasons described in more detail in Section 2.1.1.

Table 2-2 Number of Bags Collected and Sampled by Site, Location and Stream as of June 26, 2007

Site	Location	Stream	Cumulative Number of Collected Bags	Cumulative Number of Sampled Bags
Parks				
Manhattan: Union Square	Perimeter	Paper	332	236
		MGP	386	264
	Interior	Paper	51	38
		MGP	58	43
Bronx: Poe	Perimeter	Paper	59	50
		MGP	66	57
	Interior	Paper	21	19
		MGP	24	24
Brooklyn: Columbus	Perimeter	Paper	113	85
		MGP	82	67
	Interior	Paper	79	66
		MGP	61	48
Queens: Hoffman	Perimeter	Paper	78	64
		MGP	72	68
	Interior	Paper	20	16
		MGP	23	17
Staten Island: Tappen	Perimeter	Paper	71	65
		MGP	63	53
	Interior	Paper	21	17
		MGP	23	21
Staten Island: Clove Lakes	Perimeter	Paper	28	25
		MGP	37	31
	Interior	Paper	37	25
		MGP	44	40
Ferry Terminals				
Manhattan: Whitehall	Interior	Paper	642	473
		MGP	597	434
Staten Island: St. George	Interior	Paper	213	149
		MGP	188	126
Grand Total			**3,489**	**2,621**

Table Notes:
1. The table does not include the 169 excluded bags described in Section 2.1.1.

2.1.1 Excluded Bags

Of the total 3,658 bags collected, 169 were excluded from the Analysis because (1) the bag could not be tagged to a known stream, site, and/or location or (2) the total weight of the bag became negative or zero when the weight of the recycling liner was subtracted out. Since the recycling liner weight was removed in the excel file, a negative or zero weight would indicate that there

was an error in the individual sorter's recording of the total weight during the sorting day. These bags were removed because the weight is not confirmable (these seven bags represent less than 0.2 percent of the total bags collected).

Bags could not be tagged to a known stream, site, or location for many reasons:

- The bag contained loose material that fell from ripped or torn bags in the truck. The trucks divided material by stream, not by site or location.
- The bag contained loose material that could be attributed to a stream, but not to a specific bag because more than one bag in the truck was ripped or torn.
- The material in the bag was so mixed between paper, MGP, and contaminant that it was impossible to determine the stream. The DSNY personnel collected the bags from a central area and the clear perimeter bags for MGP and paper were stored together.
- During week 5, over 60 paper bags from Union Square Park and Whitehall Ferry Terminal were mixed in the collection truck. As both sites had clear bags, it was impossible to determine the correct site or location for the bags.

These bag weights cannot be used to determine sampling weights for the sampled bags within stream, site, and location and have therefore been excluded from the study. The number of excluded bags, the total weight of their contents, and the reason for the exclusion can be found in Table 2-3 below.

Table 2-3 Number of Excluded Bags as of June 26, 2007

Site	Location	Stream	Cumulative Number of Collected Bags	Total Weight (lbs.)	Reason for Exclusion
Bronx: Poe	Perimeter	Unknown	7	33.95	Unknown Stream
Brooklyn: Columbus	Interior	MGP	1	-0.40	Negative weight
Brooklyn: Columbus	Perimeter	Unknown	3	87.00	Unknown Stream
Queens: Hoffman	Perimeter	MGP	1	-0.33	Negative weight
Staten Island: Tappen	Interior	Paper	1	1.50	Zero weight
		MGP	1	2.50	Zero weight
Staten Island: Tappen	Unknown	Paper	1	2.00	Unknown Location
		MGP	1	8.40	Unknown Location
Staten Island: Clove Lakes	Interior	Paper	2	5.30	Zero weight
Staten Island: Clove Lakes	Perimeter	MGP	1	1.10	Zero weight
Staten Island: Clove Lakes	Unknown	Paper	2	17.95	Unknown Location
		MGP	2	29.50	Unknown Location
Staten Island: St. George Ferry	N/A	Paper	3	25.60	Loose material
		MGP	10	116.65	Loose material
Manhattan: Whitehall Ferry	N/A	Paper	8	47.85	Loose material
		MGP	35	466.40	Loose material
Manhattan: Union Square	Perimeter	Paper	1	-0.40	Negative weight
Manhattan: Union Square	Unknown	MGP	20	240.00	Unknown Location
Manhattan	Unknown	Paper	64	1,239.30	Unknown Location
		MGP	4	72.35	Unknown Location
Manhattan	Unknown	Unknown	1	1.10	Unknown Location
Grand Total			**169**	**2,397.33**	

These 169 excluded bags represent only 4.6 percent of the total number of collected bags and only 4.6 percent of the total collected weight. As they represent a small fraction of the total number of collected bags, their exclusion does not detract from the overall study objective to estimate the percentage of contaminant material deposited in recycling receptacles.

2.2 Summary Statistics

2.2.1 Paper

As summarized in Table 2-4, of the 1,765 identifiable paper bags collected, their total weight was measured to be 31,370 pounds (lbs). Based on the sample set of 1,328 paper bags, it is estimated that 1,441 lbs ± 82 lbs of the total paper bag weight consists of contaminant material. The sample estimated percent of contamination is at 4.8 percent ± 0.3 percent. A practical way to look at this level of contamination is to consider that every 1,000 lbs of recyclable material collected from paper recycling bins at these sites and locations during a comparable season and equivalent level of public recycling awareness is expected to generate approximately 48 lbs of contaminant material on average.

Table 2-4 Paper Summary Statistics

Statistic	Estimate	Standard Error	95 percent CI	
			Lower Bound	Upper Bound
Average Weight Per Bag (lbs.)	17.77	N/A	N/A	N/A
Total Weight (lbs.)	31,370.00	N/A	N/A	N/A
Total Contaminant Weight (lbs.)	1,441.36	41.60	1,359.73	1,522.98
Percent Contamination	4.83%	0.14	4.56%	5.11%

Table Notes:

1. The Average Weight Per Bag and the Total Weight were derived from a total number of bags (n) of 1,765 bags.
2. Total Contaminant Weight and Percent Contamination were derived from a sample (n) of 1,328 bags.
3. Values are derived from the population of collected bags. Since sampling rate is at 100 percent, standard errors for the Average Weight Per Bag and Total Weight are zero.

2.2.2 MGP

The Program collected nearly 18,735 lbs of MGP material from 1,724 identifiable bags, of which 7,008 lbs ± 138 lbs were generated from contaminant material. As shown in Table 2-5, the sample estimated percent of contamination is at 37.5 percent ± 0.6 percent. A practical way to look at this level of contamination is to consider that every 1,000 lbs of recyclable material collected from MGP recycling bins at these sites and locations during a comparable season and equivalent level of public recycling awareness is expected to generate approximately 375 lbs of contaminant material on average.

Table 2-5 MGP Summary Statistics

Statistic	Estimate	Standard Error	95 percent CI	
			Lower Bound	Upper Bound
Average Weight Per Bag (lbs.)	10.87	N/A	N/A	N/A
Total Weight (lbs.)	18,735.00	N/A	N/A	N/A
Total Contaminant Weight (lbs.)	7,007.86	70.25	6,870.03	7,145.68
Percent Contamination	37.49%	0.28	36.94%	38.04%

Table Notes:

1. The Average Weight Per Bag and the Total Weight were derived from a total number of bags (n) of 1,724 bags.
2. Total Contaminant Weight and Percent Contamination were derived from a sample (n) of 1,293 bags.
3. Values are derived from the population of collected bags. Since sampling rate is at 100 percent, standard errors for the Average Weight Per Bag and Total Weight are zero.

Exhibit 2 Sorted MGP recycling at the end of the day.

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3.0 DESCRIPTION OF THE PROGRAM

3.1 Field Study Design and Implementation

This section describes the Survey and Analysis methodology in detail, including: the roles of agencies involved, the survey design, and the statistical analyses employed (see Appendix A for a list of statistical definitions). The Program required interagency cooperation between DSNY, the City Department of Parks and Recreation (Parks), and the City Department of Transportation (DOT). Table 3-1 lists the roles of the three City agencies and HDR in designing, setting up, implementing, and analyzing the Program.

Table 3-1 Public Space Recycling Responsibilities

	DSNY	Parks	DOT	HDR
Project Planning - Overall	x			x
Site Hosting		x	x	
Project Planning - Specific to Host Sites	x	x	x	
Daily Bin Maintenance		x	x	
Weekly Collection and Delivery to Sort Site	x			
Sampling, Weighing, and Content Sorting				x
Bag Count Monitoring	x			x
Disposition of Sorted Materials	x			
Data Recording and Analysis				x
Pilot Publicity	x			
Pilot Evaluations and Recommendations for Future Action	x			

DSNY provided colored bags to Parks and DOT to line the recycling cans. In the six parks, clear bags were used to line both paper and MGP cans on the perimeter of the park, yellow bags were used to line paper cans on the interior of the park, and white bags were used to line MGP cans on the interior of the park. Each ferry terminal had its own color system. Whitehall Ferry Terminal paper cans were lined with red bags for the first five weeks of the Program and with clear bags for the remaining eight weeks of the Program. The paper bag color was changed in the Whitehall Ferry Terminal because staff was mixing up the colors in lining the cans, likely

because the colors were so similar. In the paper cans, clear bags replaced the red bags to reduce the level of confusion. Whitehall Ferry Terminal MGP cans were lined with orange bags. St. George Ferry Terminal paper and MGP cans were lined with green and blue bags respectively.

The recycling bags were collected from the eight locations and delivered to the Southwest Brooklyn Marine Transfer Station (Sorting Facility) on Tuesday of each week. HDR sorted and sampled the recycling bags on Wednesday of each week. The recyclable materials and contaminants were removed by DSNY personnel on Thursday of each week to provide a clean Sorting Facility for the following week's delivery.

3.1.1 Target Population

The number of receptacles located in each of the park and ferry terminal locations are provided in Table 3-2.

Table 3-2 Number of Recycling Receptacles for Paper and MGP Streams

Site	Location	Paper Receptacles (number of cans)	MGP Receptacles (number of cans)
Manhattan: Union Square Park	Perimeter	16	16
	Interior	2	2
Bronx: Poe Park	Perimeter	6	6
	Interior	2	2
Staten Island: Tappen Park	Perimeter	6	6
	Interior	2	2
Staten Island: Clove Lakes Park	Perimeter	4	4
	Interior	4	4
Brooklyn: Columbus Park	Perimeter	6	6
	Interior	2	2
Queens: Hoffman Park	Perimeter	6	6
	Interior	2	2
Manhattan: Whitehall Ferry Terminal	Interior	9	9
Staten Island: St. George Ferry Terminal	Interior	13	13
Total		**80**	**80**

Only bags collected from these 160 receptacles over the 13-week period form the basis of the Analysis. For a description of the receptacles and their locations in the sites, please refer to

Appendix D. All material contained in each collected bag was measured in units of pounds. More than 160 bags of recyclable material were collected each week because Parks and DOT personnel had to change the bags in the cans as they became full during the week.

3.1.2 Collection Procedures

Each Tuesday, throughout the 13-week Program, DSNY personnel used dual bin trucks to pick up the recycling bags from the eight locations, separating paper from MGP bags. Each location was serviced by a separate truck except for the two locations in Manhattan. For the first six weeks, one truck serviced both Union Square Park and Whitehall Ferry Terminal. When the paper bags at Whitehall Ferry Terminal were changed from red to clear, it was necessary to separate the pickup into two trucks to prevent mixing up these bags with the Union Square Park perimeter paper bags. As stated earlier, in week 5, one truck was used, the clear bags were mixed together in one side of the truck, and HDR was unable to determine the site and location of the paper bags that week. For the final seven weeks, these two locations were serviced by separate trucks. The Parks personnel would empty the cans throughout each park and the DOT personnel would empty the cans within the ferry terminals. All bags were stored on site at a central location for pickup on Tuesdays by DSNY personnel.

Exhibit 3: Sorting Facility with designated tipping areas by location

The DSNY personnel would tip the bags at the Sorting Facility following pickup. Each of the eight sites had a designated tipping area within the Sorting Facility. Within each designated area, DSNY personnel would further divide the bags by location within the park (interior or perimeter). A count was taken upon delivery by HDR and provided to DSNY each week. DSNY provided security to the Sorting Facility 24 hours a day, seven days a week to ensure the material and the sorting and measuring equipment was not removed between the Tuesday delivery and Wednesday sorting and sampling.

Exhibit 4: DSNY Truck tipping materials collected at the designated area for Columbus Park, Brooklyn

3.1.3 Sample Design and Selection

The Survey was designed to objectively collect, sample, and measure bags of paper and MGP recyclables from targeted parks and ferry terminals in order to estimate the overall percent contamination, total contaminant weight, total recyclable weight, and total weight (total of contaminants and recyclables) produced during the 13-week Program. The effectiveness of the Program needed to be assessed at each location within each park and ferry terminal. In order to

ensure accurate representation of collected recyclables per park location and ferry terminal; and to have percent contamination estimates within an expected margin of error between 5 to 16 percent at the 95 percent confidence level, a stratified survey design was required. Stratifying the recycling bags collected to the defined strata in Table 3-3 allows for more control of the precision of estimates at the site and location level within each stream. The results are estimates within a defined margin of error with the desired confidence level.

Table 3-3 Survey Strata

Site	Location	Stream	Collection Week
Manhattan: Union Square Park	Perimeter	MGP	Week 1-13
		Paper	Week 1-13
	Interior	MGP	Week 1-13
		Paper	Week 1-13
Bronx: Poe Park	Perimeter	MGP	Week 1-13
		Paper	Week 1-13
	Interior	MGP	Week 1-13
		Paper	Week 1-13
Staten Island: Tappen Park	Perimeter	MGP	Week 1-13
		Paper	Week 1-13
	Interior	MGP	Week 1-13
		Paper	Week 1-13
Clove Lakes Park, Staten Island	Perimeter	MGP	Week 1-13
		Paper	Week 1-13
	Interior	MGP	Week 1-13
		Paper	Week 1-13
Brooklyn: Columbus Park	Perimeter	MGP	Week 1-13
		Paper	Week 1-13
	Interior	MGP	Week 1-13
		Paper	Week 1-13
Queens: Hoffman Park	Perimeter	MGP	Week 1-13
		Paper	Week 1-13
	Interior	MGP	Week 1-13
		Paper	Week 1-13
Manhattan: Whitehall Ferry Terminal	N/A	MGP	Week 1-13
		Paper	Week 1-13
Staten Island: St. George Ferry Terminal	N/A	MGP	Week 1-13
		Paper	Week 1-13

Table Notes:

1. The ferry terminals were not subdivided by location. Therefore, the Location is not applicable (N/A) for the ferry terminals.

Each bag collected (sampling unit) belongs to only one stratum (i.e. Columbus Park, Brooklyn, Perimeter, MGP, Week 2). During the Survey, an independent sample of bags was drawn from each stratum. The Analysis combined the samples to obtain overall Program estimates. As these individual strata are similar, the estimates that are developed will be more precise.

Determining the stratum that each bag belonged to, on a weekly basis, was possible because the bags were color-coded based on location and were collected in specially designated trucks. Upon delivery to the Sorting Facility, bags were deposited in specially marked areas that identified each bag's stratum. In total, there are 28 different groupings of location, site, and stream (See Table 3.3). Since sampling was done independently each week (13 weeks), there were a maximum of 364 (28 groupings*13 weeks) strata from which to track and sample. While sampling was done on a weekly basis, the desired statistics are aggregated over 13 weeks of the Program to enable meaningful conclusions to be drawn because results are required for the overall Program.

3.1.4 Allocation of Sample Size over Park Locations and Ferry Terminals

The sample size was determined based on the total material collected, the desired margin of error for the estimates at a given confidence level, and the budget for the Survey. The budget allowed for four people (sorters) to count, weigh, sort, and weigh targeted bags one day per week for each of the 13 weeks of the Program. The sorters could sort and weigh contaminant material from up to 230 sampled bags in a given day. A census was taken during the first five weeks of sorting because the number of bags was such that the sorters could sort and weigh each bag's material (approximately 230).

When the total number of collected bags exceeded the sorter's sorting capacity, a fixed sample size of 230 bags was allocated across the strata using proportional allocation. If, in previous weeks, for example, 10 percent of the total bags collected were from Union Square, Manhattan, Perimeter, Paper, then 10 percent of the total number of collected bags were allocated to that stratum. Table G-1 in Appendix G lists the weekly total of collected bags and the total number of bags that were subsequently sorted. Derived sample sizes were adjusted due to weekly differences in the number of collected bags within a stratum. For example, the allocation method sometimes assigned more bags to be sampled for a stratum, such as *Poe Park, Bronx, Perimeter, Paper,* than were collected in that particular week. In those cases, the additional bags were allocated to other strata such as *Tappen Park Perimeter Paper* (See Appendix C for a weekly comparison between the allocation and actual samples taken by stratum).

From the 3,489 eligible bags that formed the basis of the Program's target population, 2,621 bags were selected for sorting.[3] Of this total, 1,328 paper bags were selected for sorting from a known population of 1,765 paper bags and 1,293 MGP bags were selected for sorting from a known population of 1,724 MGP bags. In summary, results presented in this report reflect data taken from the set of 3,489 collected and weighed bags from which 2,621 were subsequently sampled over 12 weeks of collection out of a possible 13 weeks available for the Program.

3.1.5 Sampling Technique

When the number of bags was greater than 230, a sample of bags within a stratum was selected by taking the first available set of bags (the number sampled for each stratum is based on the sampling allocation described above). The assumption was that the bags mixed in the collection truck would remain mixed when tipped onto the floor. Hence the first available set of bags would therefore be random. After 13 weeks of observations, no bias appeared in the set of tipped bags. That is, the sorters did not notice sections of the tipped set of bags having bags with characteristics that distinguished them from any other group of bags within the same set. The bags selected for sampling were individually tagged, weighed, and then opened to perform the sort (see Table G-1 in Appendix G for the number of bags collected and sampled each week for each stratum).

Contaminants from each bag were placed into a waste receptacle and weighed (not including the weight of the receptacle). A data sheet (Appendix B) was used to record the total bag weight and total contaminant weight for each bag by stratum (location, perimeter/interior, and paper/MGP). The data sampling sheet (Appendix B) was used to record the number of bags weighed and the number of bags sorted. Any remaining bags within a stratum on a given sorting day were weighed and recorded, but not sorted. All collected bags were counted and weighed regardless if a sample or a census of bags was sorted for contaminants. With this design, full measurements, not estimates, for total weight and average weight per bag could be obtained for the Program.

[3] Note that collection and sorting was not undertaken during week 4 due to logistical problems.

Exhibit 5: Sorters at various stages of the sampling process

3.1.6 Designation of Recyclable/Contaminant

All material was determined to be Recyclable or Contaminant based on DSNY's criteria for acceptable recyclable materials. Within the paper stream, newspapers, cardboard, mixed office paper, paper bags, and magazines were considered to be Recyclable. Wax-coated paper or paper which was heavily soiled with food or other material was counted as a Contaminant. Newspaper, wet with rainwater, was also counted as Recyclable. Within the MGP category the following materials were considered Recyclable:

- Any item that was over 90 percent metal (primarily aluminum and steel cans)
- Plastic jugs or bottles
- Glass bottles or jars
- Milk cartons or juice boxes

Glass or plastic materials which were not bottles or jugs, such as yogurt containers, were counted as Contaminant. Broken glass was counted as Recyclable; however, if it was mixed with other materials, such as the paper label or dirt and sand, the sorter would sweep the glass into a pile; visually estimate the percent of the pile that was glass; and then weigh the total pile. In calculating the weight, the weight of the pile was reduced by the percentage glass and added to the total Contaminant weight. Liquid remaining in bottles, cans, or jugs, was counted as Contaminant, while the bottle, can, or jug was counted as Recyclable. Loose caps were counted as Contaminants.

3.1.7 Data Collection

At the end of the sorting day on Wednesday, the data sheets were collected and entered into an Excel file. The weight of the receptacle liner was subtracted from the total bag weight in the Excel file. The Excel file included a tab for each stratum (e.g. Poe Park, Paper-Perimeter). Each individual park or ferry terminal worksheet was summarized in three summary worksheets: (1) *Data Entry Detail*, which provided comprehensive information for each bag, including sorter, total weight, and contaminant weight; (2) *Summary by Location*, which summarized the total weight, contaminant weight, and percent contamination by stratum; and (3) *Summary by Commodity*, which summarized the total weight, contaminant weight, and percent contamination by stream for each location and borough.

A second Excel file included the bag count from the Tuesday delivery and the bag count based upon the sort conducted on Wednesday. If there was any discrepancy between the two counts, the reason for that discrepancy was noted. The differences between the counts were most often due to a miscount on Tuesday or two bags being bagged inside a third bag. HDR sorted the bags based on the predominant material inside the bag. Sometimes, a clear bag that was delivered as a paper perimeter bag, upon closer examination was actually a MGP perimeter bag. This difference also contributed to counting discrepancies.

3.2 Statistical Analysis

As described above, even if only a sample of 230 bags were weighed and sorted by material, all of the bags collected that week for all strata were weighed. As a result, two of the attributes of interest (average weight per bag and total weight) are actual measurements; and two of the attributes of interest (percent contamination and contaminant weight) are estimates.

3.2.1 Census Measurements

Since every collected bag was weighed, the average weight per bag and total weight of all collected materials was derived from the population of collected bags. Therefore, because the sampling rate is 100 percent for these attributes of interest, the standard errors for each of these are zero. The average weight per bag and total weight of all collected material were calculated as the mean and sum, respectively, of all bag weight observations.

Exhibit 6: Sorted paper recycling at the end of the day.

3.2.2 Weighting and Estimation

3.2.2.1 Sampling Weights

An estimate is an indication of the value of an unknown quantity, based upon observed data. The Analysis used sampling weights from the sampled bags to estimate the percent contamination and contaminant weight for all recyclable bags collected over the 13-week Program. The sampling weight indicates the number of bags in the Program that is represented by a bag in the sample. For example, in week 8, Poe Park had 8 paper bags collected from the perimeter receptacles. Of those 8 bags, 4 were selected for the sample. Thus, each of these 4 bags in the sample has a sampling weight of 2 (8 collected bags/4 sampled bags), indicating that each bag represents 2 bags in this stratum. Since each sampled bag within a stratum represents a certain number of collected bags in that stratum, the sum of the sampling weights from all observations equals the total number of collected bags.

3.2.2.2 Estimating the Percent Contamination

The percent contamination is the total weight of all collected contaminant material divided by the total weight of all collected material. Since percent contamination is represented by a ratio, ratio estimation techniques were used to determine the percent contamination estimates. The percent contamination for a given stratum is estimated by dividing the average contaminant weight per

bag by the average weight per bag for the sampled bags from the stratum. To obtain the Program level percent contamination estimate, the average contaminant weight per bag based on the sampled bags from all the strata is divided by the average weight per bag based on the sampled bags from all the strata. See Appendices E and F for detailed formulae used to compute the estimates and their associated variances.

3.2.2.3 Estimating the Total Contaminant Weight

The contaminant weight collected during the Program for a given stratum was estimated by the weighted sum of the sampled bags' contaminant weights in that stratum. Strata totals were then summed to estimate the total estimated contaminant weight for the Program. The variance of the total estimate is the sum of the variances of the stratum sample totals. Estimating the total contaminant weight using the weighted sum approach instead of an approach that multiplies the estimated percent contamination by the total Program weight of all collected recyclable bags was used since as the latter approach runs the risk of underestimating the variance of the contaminant weight estimate. Note that the two approaches yield different results for estimated contaminant weight since they are not mathematically equivalent. Appendices E and F for detailed formulae used to compute the estimates and their associated variances for the weighted sum approach.

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4.0 DISCUSSION AND CONCLUSIONS

There were differences in the quantity and quality of MGP and paper bags collected from the ferry terminals and parks over the duration of the Program. In general, more bags were collected from each ferry terminal than from each park, more bags were collected from the perimeter of the parks than from the interior, the paper bags were heavier than the MGP bags, and the paper bags had a lower overall contamination rate than the MGP bags.

4.1 Quantity

The number of cans did not seem to have an impact on the quantity of material collected. Bags were changed throughout each week as they became full; so, each week, more bags were often collected than allocated cans. For example, Whitehall Ferry Terminal had one of the lowest numbers of cans, but produced the highest quantity of material of any of the locations. The park perimeters likely have a higher level of foot traffic than the interiors and thus produced a larger quantity of recyclable material. The average number of bags collected each week from the parks in Manhattan, the Bronx, Brooklyn, Queens, and Staten Island ranged from 11 to almost 70 bags. Union Square Park in Manhattan and Columbus Park in Brooklyn had the largest number of collected bags of all of the parks. Twice as many bags were collected for the perimeter of the parks than from the interior of the parks.

In addition, the park perimeter bags were generally fuller than those bags collected from the interior, again likely a result of foot traffic. The average bag weight for paper perimeter bags was approximately 18 pounds compared to approximately 13 pounds for paper interior bags; the average bag weight of MGP perimeter bags was almost 12 pounds compared to approximately 9.5 pounds for MGP interior bags. More bags were collected from Whitehall Ferry Terminal, average 90 bags each week, than from St. George Ferry Terminal, average 28 bags each week. On average, the ferry terminal paper bags (average 18.59) were heavier than the parks paper bags (average 17.01). The ferry terminal MGP bags (average 10.38) were lighter than the parks MGP bags (average 11.27).

4.2 Quality

The quality of the paper material collected was significantly higher than the quality of the MGP material collected. The percent contamination for paper was 4.83 percent while the percent contamination for MGP was 37.49 percent. Many of the Contaminants included in the MGP bags were other types of plastic containers and food contamination. In addition, the ferry terminals had a lower paper contamination rate than the parks but a higher MGP contamination rate. Given the commuter nature of the public using ferry terminals, there may be less time available to separate trash from recyclables before depositing into an MGP receptacle.

Ferry terminals had a lower paper contamination rate at 3.2 percent ± 0.3 percent, as displayed in Table H1 in Appendix H, compared to that of parks with nearly double the rate at 6.4 percent ± 0.4 percent. There is high variability in contamination rates across parks and over locations within the parks. Poe Park stands out from all other parks with paper contamination rates 7 times higher than the park average.

Ferry terminals had a higher MGP contamination rate than parks. On average, the percent contamination for ferry terminals is 40.6 percent ± 0.9 percent while parks MGP contamination rate is at 35.0 percent ± 0.7 percent (see Table H1 in Appendix H). This higher contamination rate among ferry terminals for MGP is attributable to the high contamination among bags from Whitehall Ferry Terminal. Union Square Park had the lowest MGP contamination levels averaging, only 26.8 percent ± 1.0 percent. The public using Union Square Park appear to have good awareness of the how to recycle.

APPENDIX A

GLOSSARY OF TERMS

Confidence Interval: A confidence interval is used to express precision of estimates in a meaningful way. Generally, survey results with a narrow interval are more reliable than results with larger intervals. A 95% confidence interval for an estimate such as the population average indicates that if sampling were repeated indefinitely, each sample leading to a new confidence interval, then for every 19 out of 20 samples, the interval will cover the true population average value.

Estimate: In general, an estimate is an indication of the value of an unknown quantity based on observed data. In survey work, once a sample has been selected and the responses are obtained from the sampling units, the sample must be related back to the population of interest. Since the responses have only been observed on sampling units and not on every unit in the population, population quantities of interest must be estimated using the responses from the sample. This is carried out with the use of sampling weights.

Measurement: When the quantity of interest is calculated from observations obtained on every unit in the target population, there is no error associated with the quantity and we call it a measurement rather than an estimate.

Percent Contamination: The percent contamination is a ratio of the total weight of all collected contaminant material to the total weight of all collected material. It is estimated by the ratio of the sample means of contaminant weight per bag and total weight per bag over all strata of interest. That is, it is estimated as the average contaminant weight per bag over all strata of interest divided by the average weight per bag over all strata of interest.

Sampling Unit: A sampling unit is the unit that is actually sampled. The population is divided into non-overlapping units called sampling units such that each member of the population belongs to only one sampling unit. Sampling units may or may not correspond to the units of analysis. For example, in a household survey, the units selected may be dwellings, while the units of analysis would be people or families.

Sampling Weight: The sampling weight indicates the number of units in the population that are represented by a unit in the sample. The sampling weight for a given unit is the inverse of the probability of selection of the unit in the sample.

Standard Error: The standard error of an estimate is defined as the square root of the variance of the estimate and is often the preferred choice of error statistics since it is reported in the same units of measurement as the estimate itself.

Stratified Survey Design: A stratified sampling design utilizes relevant information available on members of the population to increase the precision of survey estimates. If the variable of interest is thought to take on different mean values in different subpopulations, more precise

estimates of populations quantities may be obtained by taking a stratified random sample. The population is divided into non-overlapping subpopulations, called strata. The strata constitute the whole population such that each sampling unit belongs to only one stratum. An independent sample is drawn from each stratum and information is pooled to obtain overall population estimates.

Target Population: The target population is the population about which information is desired. It is the collection of units to which the survey results apply.

Variance (of an estimate): every estimate obtained from a sample has an error associated with it. This error is, in part, due to the fact that if a different sample of the same size and design was selected from the same population, it would produce different survey estimates than the sample originally selected. This sampling error contributes to what is called the variance of the estimate, which is a measure of the variability in the estimate obtained from repeated samples.

APPENDIX B

DATA COLLECTION FORMS

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Data Collection Form

Date: ____ / ____ / 2007
MM DD

Sorter Name: _____

Site:

- ☐ Union Square Park: Manhattan
- ☐ Columbus Park: Brooklyn
- ☐ Hoffman Park: Queens
- ☐ Clove Lakes Park: Staten Island
- ☐ Tappan Park: Staten Island
- ☐ Poe Park: Bronx
- ☐ Whitehall Ferry Terminal: Manhattan
- ☐ St. George Ferry Terminal: Staten Island

Location:

- ☐ Perimeter
- ☐ Interior

Recycling Stream:

- ☐ Paper
- ☐ MGP

Bag Index	Total Weight	Contaminant Weight	Bag Index	Total Weight	Contaminant Weight
1			21		
2			22		
3			23		
4			24		
5			25		
6			26		
7			27		
8			28		
9			29		
10			30		
11			31		
12			32		
13			33		
14			34		
15			35		
16			36		
17			37		
18			38		
19			39		
20			40		

Sampling Information Form

Date: _____ / _____ / 2007
MM DD

Supervisor Name: _____

Site	Location	Paper		MGP	
		Number of Bags Collected	Number of Bags Sampled	Number of Bags Collected	Number of Bags Sampled
Parks					
Union Square Park: Manhattan	Perimeter				
	Interior				
Poe Park: Bronx	Perimeter				
	Interior				
Columbus Park: Brooklyn	Perimeter				
	Interior				
Hoffman Park: Queens	Perimeter				
	Interior				
Clove Lakes Park: Staten Island	Perimeter				
	Interior				
Tappan Park: Staten Island	Perimeter				
	Interior				
Ferry Terminals					
Whitehall Ferry Terminal: Manhattan	Interior				
St. George Ferry Terminal: Staten Island	Interior				

APPENDIX C

SAMPLING SCHEME VS. SAMPLING SIZE FOR WEEKS 6 - 13

Site	Location	Stream	Week 6		Week 7		Week 8		Week 9		Week 10		Week 11		Week 12		Week 13	
			Proposed Sampling Scheme	(n)	Proposed Sampling Scheme	(n)	Proposed Sampling Scheme	(n)	Proposed Sampling Scheme	(n)	Proposed Sampling Scheme	(n)	Proposed Sampling Scheme	(n)	Proposed Sampling Scheme	(n)	Proposed Sampling Scheme	(n)
Parks																		
Manhattan: Union Square	Perimeter	Paper	21	22	20	20	19	19	19	19	21	23	21	20	21	24	22	22
		MGP	22	22	20	22	19	19	22	22	22	22	23	19	23	24	25	36
	Interior	Paper	4	4	3	3	3	2	3	3	4	4	4	4	4	3	3	3
		MGP	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	2
Bronx: Poe	Perimeter	Paper	4	4	4	4	4	4	4	5	4	4	4	4	4	7	4	4
		MGP	6	6	5	5	5	2	5	6	5	5	5	5	5	5	4	4
	Interior	Paper	2	2	2	2	2	2	2	2	2	2	2	0	2	0	1	1
		MGP	2	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1
Brooklyn: Columbus	Perimeter	Paper	7	7	8	8	8	8	8	8	7	7	7	6	7	8	8	8
		MGP	7	7	7	7	6	6	6	4	6	6	6	5	6	4	3	2
	Interior	Paper	6	6	6	6	6	6	5	6	5	5	5	5	5	5	2	2
		MGP	4	4	4	4	4	6	4	5	4	4	4	4	4	4	2	2
Queens: Hoffman	Perimeter	Paper	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7	7
		MGP	6	6	5	5	5	5	5	5	5	5	5	5	5	6	6	6
	Interior	Paper	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2
		MGP	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2
Staten Island: Tappan	Perimeter	Paper	5	0	5	10	5	5	5	5	4	2	5	5	4	4	6	6
		MGP	4	0	5	0	5	5	4	4	5	5	5	5	5	4	6	6
	Interior	Paper	1	0	1	1	1	2	1	1	1	2	1	1	1	1	2	2
		MGP	2	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Staten Island: Clove Lakes	Perimeter	Paper	2	1	2	2	2	2	2	2	2	2	2	2	2	4	2	2
		MGP	3	0	3	2	3	3	3	3	3	3	3	3	3	3	2	2
	Interior	Paper	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4
		MGP	3	3	3	3	3	4	3	3	3	3	3	3	3	3	4	4
Ferry Terminals																		
Whitehall	Interior	Paper	47	43	48	48	48	49	47	47	47	47	46	38	45	33	44	44
		MGP	38	38	38	25	39	39	40	39	39	39	39	33	38	38	41	30
St. George	Interior	Paper	11	11	12	17	13	13	14	15	13	13	13	11	14	19	13	13
		MGP	10	10	11	18	12	12	12	11	12	12	12	10	12	12	10	10
Grand Total			**230**	**212**	**230**	**229**	**230**	**230**	**230**	**232**	**230**	**232**	**230**	**205**	**230**	**229**	**230**	**229**

APPENDIX D

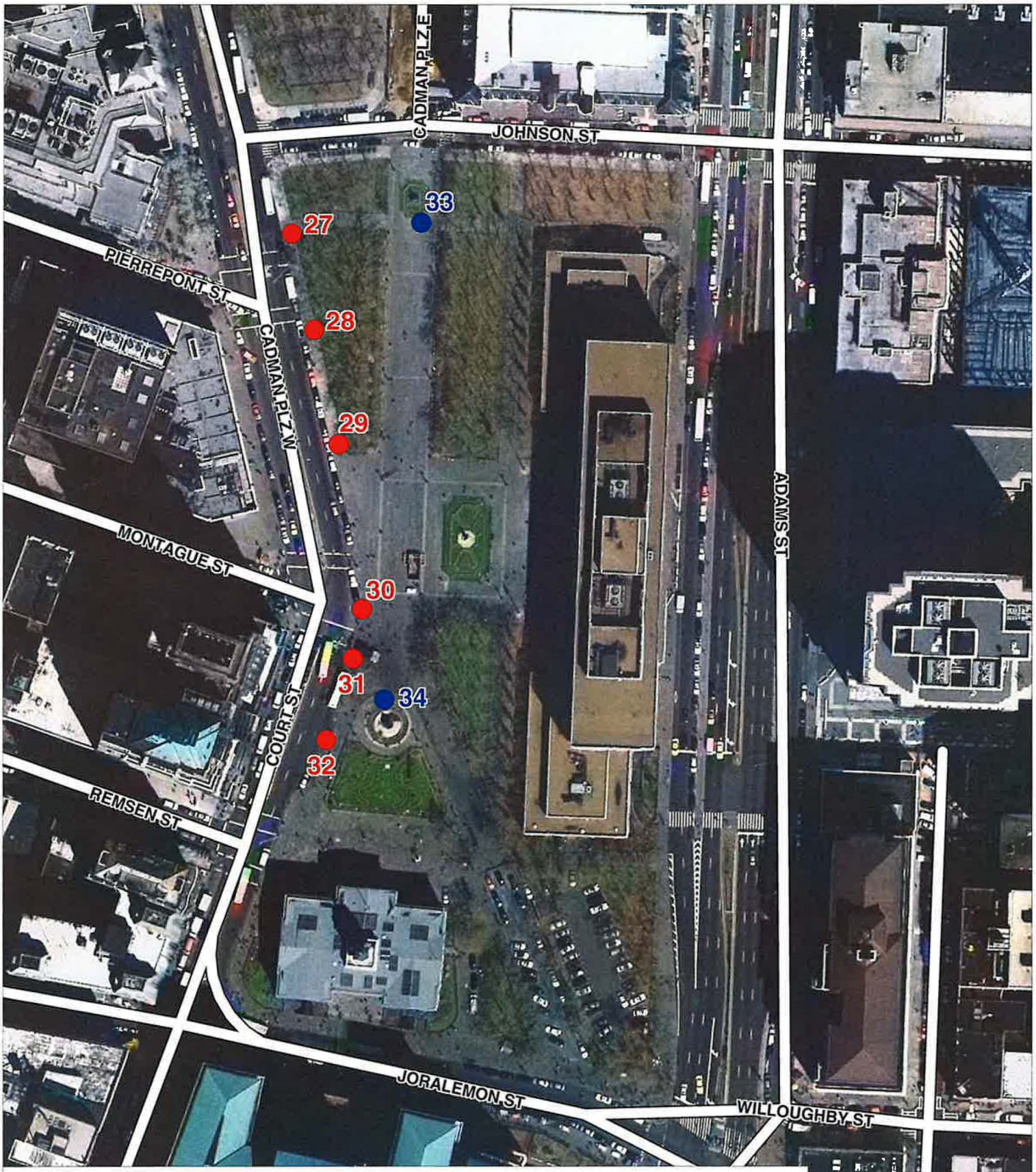
LOCATION OF RECYCLING CANS

UNION SQUARE - MANHATTAN

● PERIMETER PARK: 16 SETS ● INSIDE PARK: 2 SETS

* EACH SET REPRESENTS 1 REFUSE, 1 PAPER, I MGP RECEPTACLE.
#17, 18 ARE OMD'S SUGGESTED LOCATIONS WITHIN THE PARK,
BALANCE OF BASKETS ARE LOCATED ON THE PERIMETER OF PARK

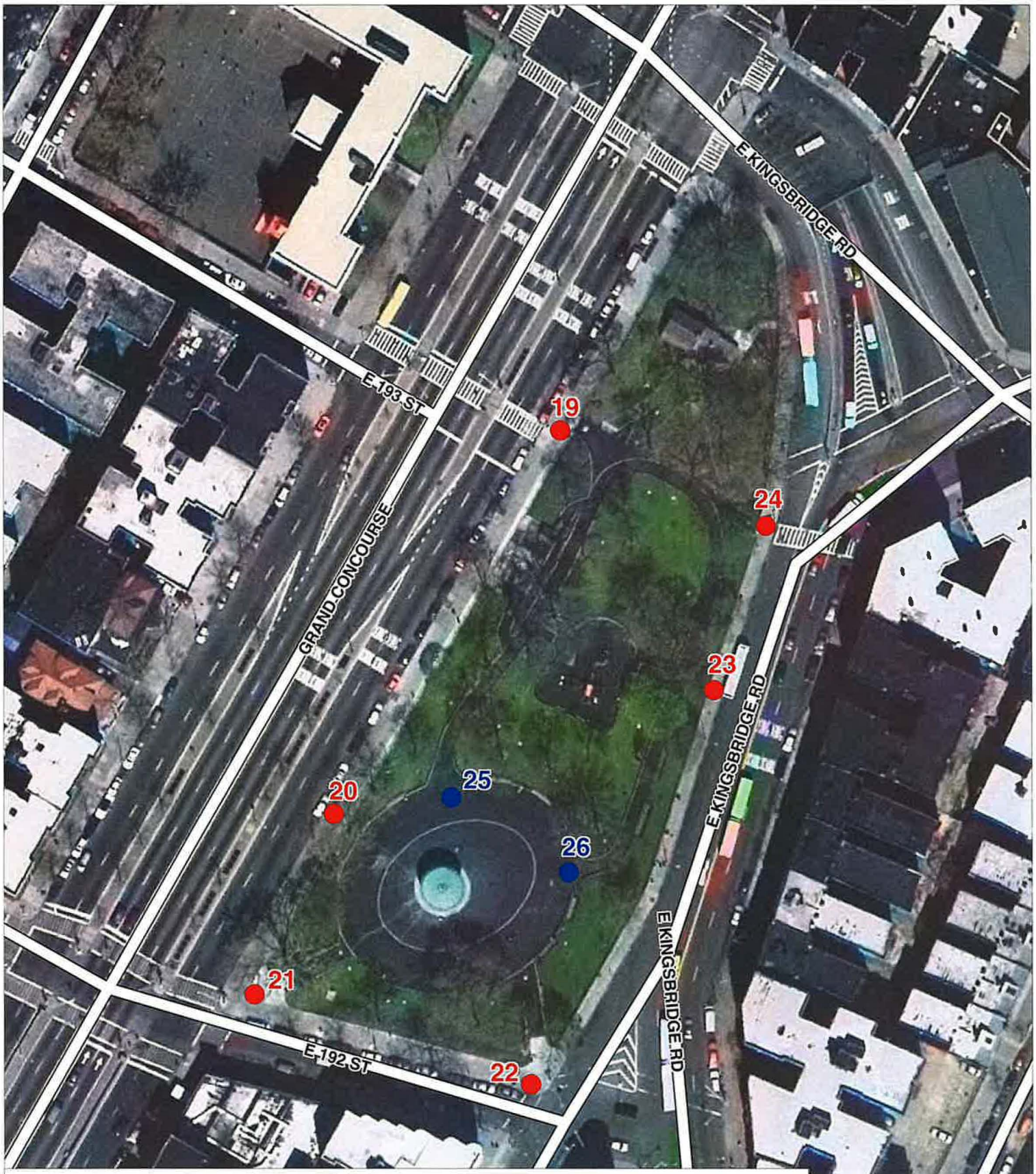
COLUMBUS PARK - BROOKLYN



● **PERIMETER PARK: 6 SETS** ● **INSIDE PARK: 2 SETS**

*** EACH SET REPRESENTS 1 REFUSE, 1 PAPER, I MGP RECEPTACLE.**
#33, 34 ARE OMD'S SUGGESTED LOCATIONS WITHIN THE PARK,
BALANCE OF BASKETS ARE LOCATED ON THE PERIMETER OF PARK

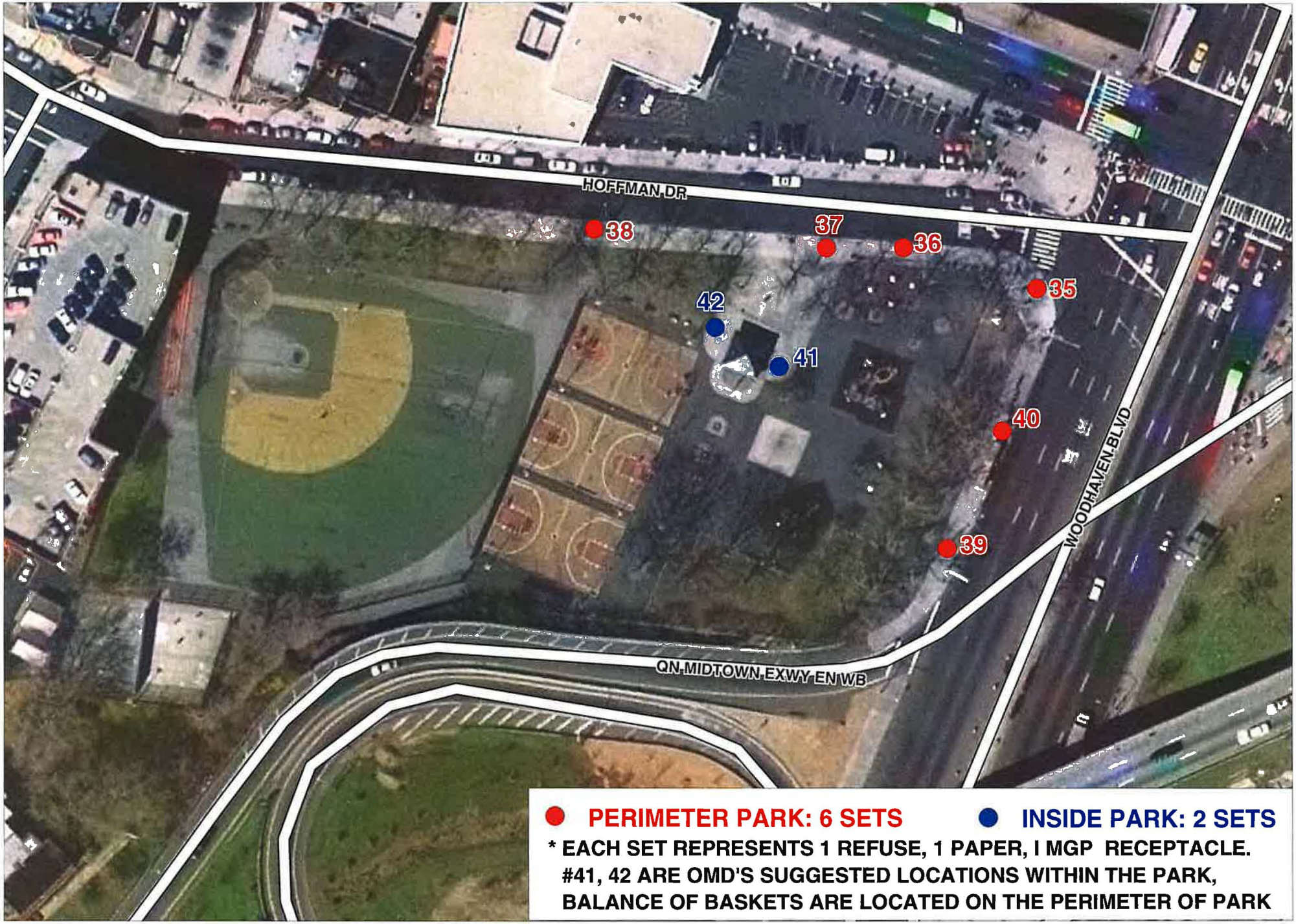
POE - BRONX



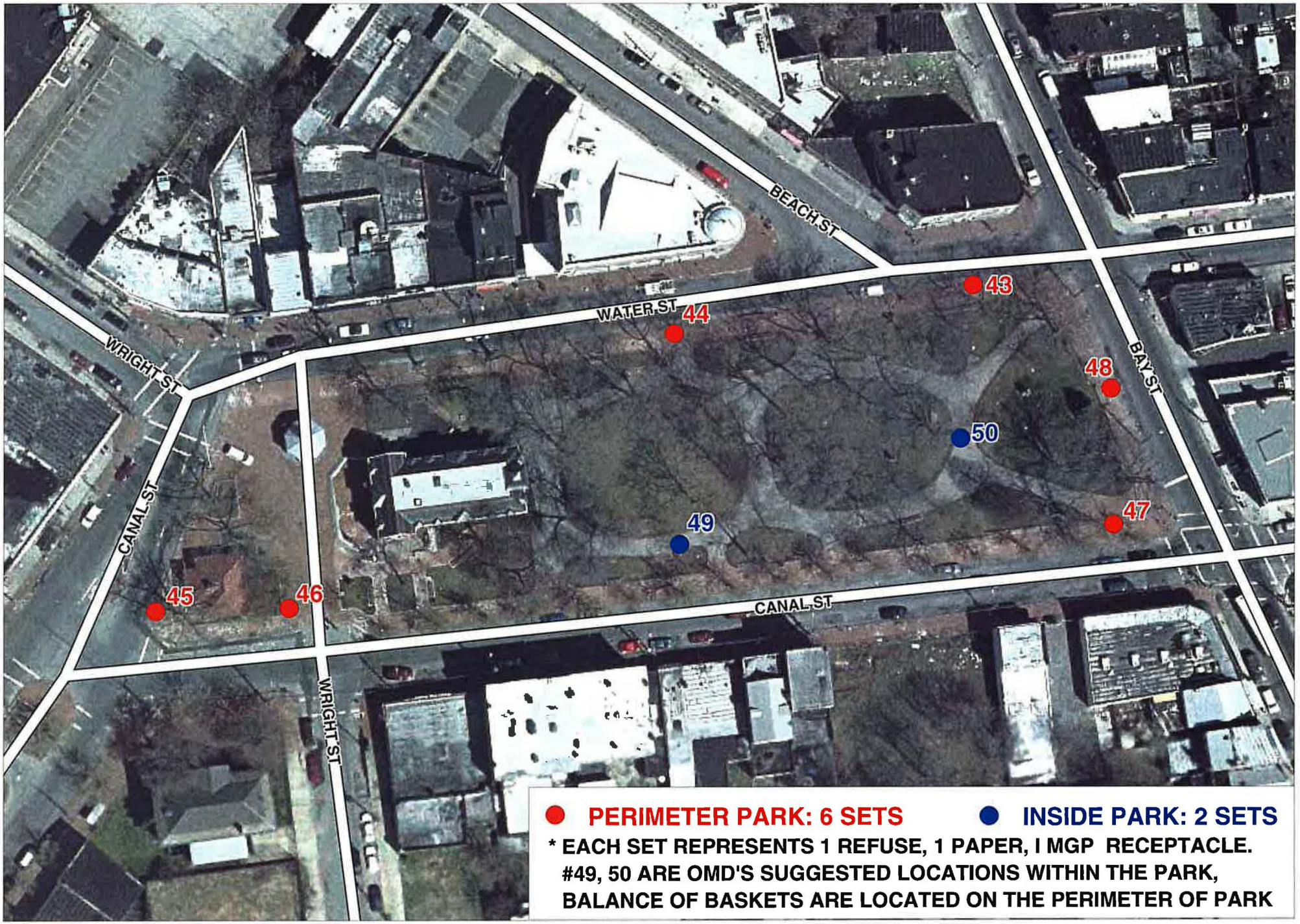
● PERIMETER PARK: 6 SETS ● INSIDE PARK: 2 SETS

* EACH SET REPRESENTS 1 REFUSE, 1 PAPER, I MGP RECEPTACLE.
#25, 26 ARE OMD'S SUGGESTED LOCATIONS WITHIN THE PARK,
BALANCE OF BASKETS ARE LOCATED ON THE PERIMETER OF PARK

HOFFMAN PARK - QUEENS

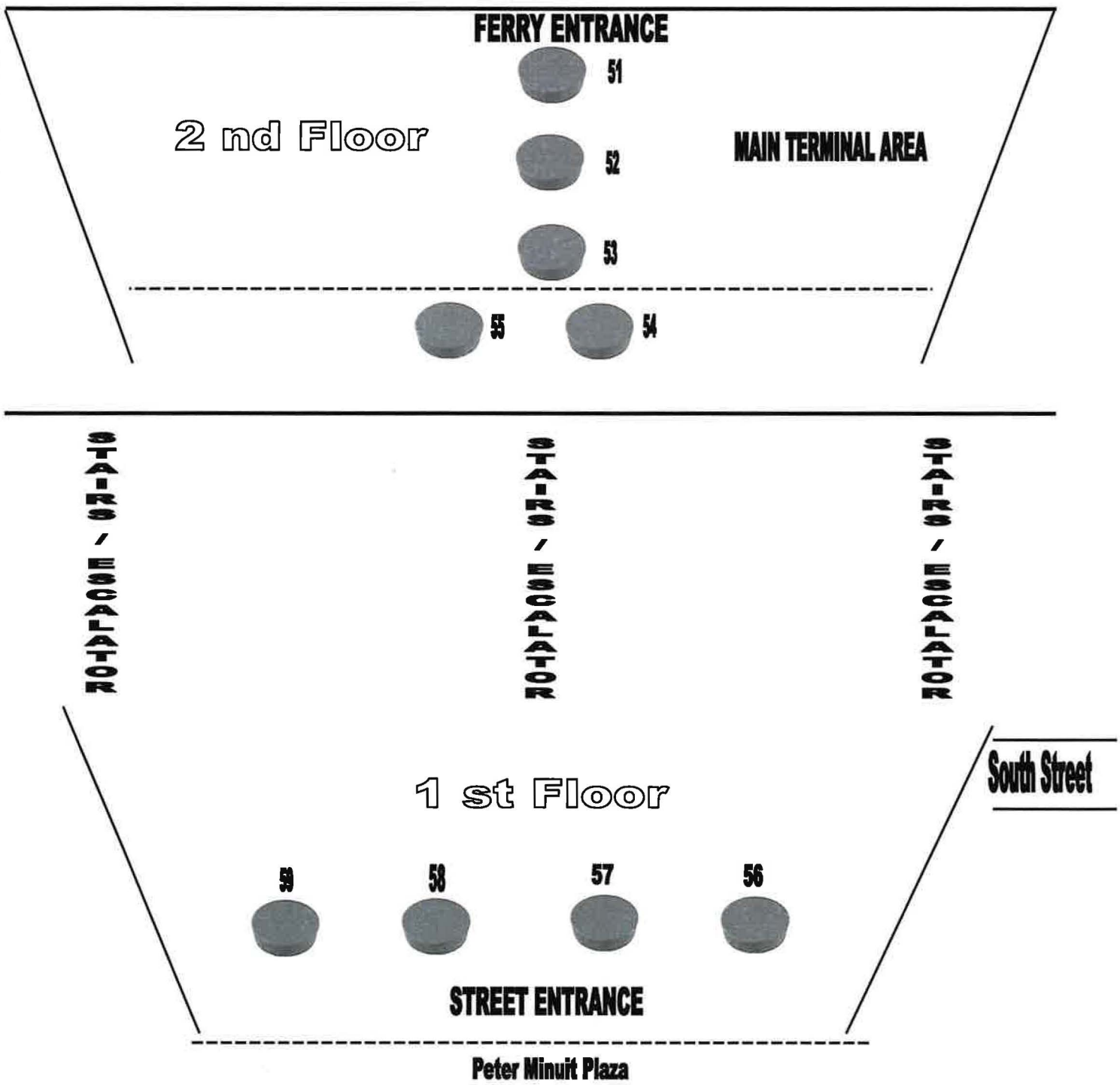


TAPPAN PARK - STATEN ISLAND



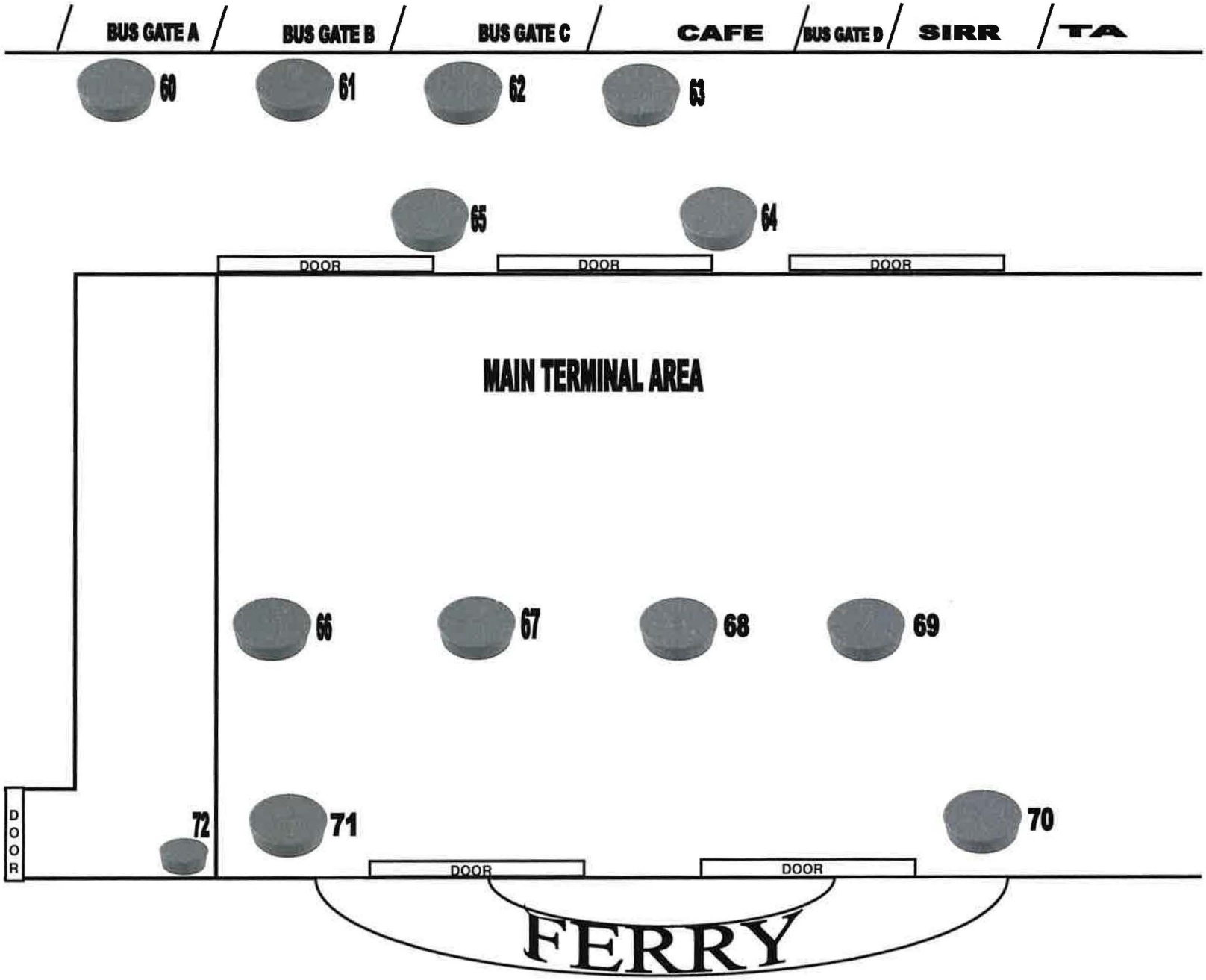
WHITEHALL FERRY

NYC SIDE



RECYCLING BASKETS 50% OF TOTAL BASKETS.
ALL 9 BASKET LOCATIONS DENOTE DSNY SUGGESTED LOCATIONS WITHIN THE FERRY TERMINAL, PENDING DOT MEETING.

STATEN ISLAND FERRY / ST. GEORGE



RECYCLING BASKETS 50% OF TOTAL BASKETS.
ALL 13 BASKET LOCATIONS DENOTE DSNY SUGGESTED LOCATIONS WITHIN THE FERRY TERMINAL, PENDING DOT MEETING.

CLOVE LAKES PARK - STATEN ISLAND

APPENDIX E

ESTIMATION SPECIFICATIONS

The following formulae were used to generate the census measurements and survey estimates found above.

Let x_{hi} = the weight of all material in bag i of stratum h, $i = 1,\ldots,n_h$ $h = 1,\ldots,336$.

Let y_{hi} = the weight of all contaminant material in bag i of stratum h, $i = 1,\ldots,n_h$ $h = 1,\ldots,336$.

E.1 Census Measurements

Average Weight Per Bag

The following estimator was used to calculate the average weight per bag for a given stratum:

$$\bar{x}_h = \frac{\sum_{i=1}^{N_h} x_{hi}}{N_h}$$

The following estimator was used to calculate the average weight per bag for a collection of strata that define any subgroup of interest:

$\bar{x}_{h'} = \frac{\sum_{h=1}^{h'} \sum_{i=1}^{N_h} x_{hi}}{\sum_{h=1}^{h'} N_h}$, where h' is the number of strata contained in any subgrouping of strata or is the collection of all strata. For example, to calculate the average weight per bag for Clove Lakes Park MGP, h' =24 since stratum values are summed across the 12 weeks and 2 locations.

Total Weight of All Collected Material

The following estimator was used to calculate the total weight of collected material from a given stratum:

$$t_h = \sum_{i=1}^{N_h} x_{hi}$$

The following estimator was used to calculate the average weight per bag for a collection of strata that define any subgroup of interest:

$t_{h'} = \sum_{h=1}^{h'} \sum_{i=1}^{N_h} x_{hi}$, where h' is the number of strata contained in any subgrouping of strata or is the collection of all strata. For example, to calculate the total weight for Union Square Park, h' =48 since stratum values are summed across the 12 weeks, 2 streams and 2 locations.

E.2 Survey Estimates

Estimating the total contaminant weight using the weighted sum approach instead of an approach that multiplies the estimated percent contamination by the total Program weight of all collected recyclable bags was used since as the latter approach runs the risk of underestimating the variance of the contaminant weight estimate. Note that the two approaches yield different results for estimated contaminant weight since they are not mathematically equivalent.

Total Weight of All Collected Contaminant Material

The following estimator was used to calculate the total weight of contaminants for a given stratum:

$\hat{t}_h = N_h \bar{y}_h$ where $\bar{y}_h = \frac{\sum_{i=1}^{n_h} y_{hi}}{n_h}$, is the average contaminant weight per bag in stratum h.

The following estimator was used to calculate the total weight of contaminants for a collection of strata that define any subgroup of interest:

$\hat{t}_{h'} = \sum_{h=1}^{h'} N_h \bar{y}_h$, where $\bar{y}_h = \frac{\sum_{i=1}^{n_h} y_{hi}}{n_h}$, is the average contaminant weight per bag in stratum h and h' is the number of strata contained in any subgrouping of strata or is the collection of all strata. For example, to calculate the total weight of all contaminant material collected in Tappen Park perimeter receptacles, h' =24 since stratum values are summed across the 12 weeks and 2 streams.

Percent Contamination

The following estimator was used to calculate the percent contamination for a given stratum:

$\hat{R}_h = \frac{\bar{y}_h}{\bar{x}_h} = \frac{\sum_{i=1}^{n_h} y_{hi}}{\sum_{i=1}^{n_h} x_{hi}}$, where $\bar{y}_h$ is the average contaminant weight per bag in stratum h and $\bar{x}_h$ is the average weight per bag in stratum h.

The following estimator was used to calculate the total percent contamination for a collection of strata that define any subgroup of interest:

$\hat{R}_{h'} = \frac{\bar{y}_{h'}}{\bar{x}_{h'}} = \frac{\sum_{h=1}^{h'} \sum_{i=1}^{n_h} y_{hi}}{\sum_{h=1}^{h'} \sum_{i=1}^{n_h} x_{hi}}$, where h' is the number of strata contained in any subgrouping of strata or is the collection of all strata. For example, to calculate the percent contamination for Ferry Terminals, h' =48 since stratum values are summed across the 12 weeks, 2 streams and 2 sites (Whitehall and St. George).

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APPENDIX F

VARIANCE SPECIFICATIONS

The following formulae were used to estimate the variance associated with the survey estimates.

F.1 Census Measurements

Since the census measurements were derived from the population of all collected bags, the sampling rate is 100 percent and hence, the measurements have no variance associated with them.

F.2 Survey Estimates

Total Weight of All Collected Contaminant Material

The following estimator was used to calculate the variance associated with the estimator for a given stratum:

$\hat{V}(\hat{t}_h) = \left(1 - \frac{n_h}{N_h}\right) N_h^2 \frac{s_h^2}{n_h}$, where $s_h^2 = \sum_{i=1}^{n_h} \frac{(y_{hi} - \bar{y}_h)^2}{n_h - 1}$ is the sample variance of the contaminant weights within stratum h.

The following estimator was used to calculate the variance associated with the estimator for a collection of strata that define any subgroup of interest:

$\hat{V}(\hat{t}_{h'}) = \sum_{h=1}^{h'} \left(1 - \frac{n_h}{N_h}\right) N_h^2 \frac{s_h^2}{n_h}$, where $s_h^2 = \sum_{i=1}^{n_h} \frac{(y_{hi} - \bar{y}_h)^2}{n_h - 1}$ is the sample variance of the contaminant weights within stratum h, and h' is the number of strata contained in any subgrouping of strata or is the collection of all strata.

$SE(\hat{t}_{h'}) = \sqrt{\hat{V}(\hat{t}_{h'})}$

Percent Contamination

The following estimator was used to calculate the variance associated with the estimator for a given stratum:

$$\hat{V}(\hat{R}_h) = \frac{n_h\left(1-\frac{N_h}{n_h}\right)}{n_h - 1}\sum_{i=1}^{n_h}(g_{hi} - \overline{g}_{h\cdot})^2 \quad where$$

$$g_{hi} = \frac{w_{hi}(y_{hi} - x_{hi}\hat{R})}{\sum_{i=1}^{n_h} w_{hi}x_{hi}}, \qquad \overline{g}_{h\cdot} = \frac{\left(\sum_{i=1}^{n_h} g_{hi}\right)}{n_h}, \text{ and where } w_{hi} = \frac{N_h}{n_h} \text{ is the sampling weight of the i}^{\text{th}}$$

bag in stratum *h*.

The following estimator was used to calculate the variance associated with the estimator for a collection of strata that define any subgroup of interest:

$$\hat{V}(\hat{R}_{h'}) = \sum_{h=1}^{h'} \frac{n_h\left(1-\frac{N_h}{n_h}\right)}{n_h - 1}\sum_{i=1}^{n_h}(g_{hi} - \overline{g}_{h\cdot})^2, \; where$$

$$g_{hi} = \frac{w_{hi}(y_{hi} - x_{hi}\hat{R}_{h'})}{\sum_{h=1}^{h'}\sum_{i=1}^{n_h} w_{hi}x_{hi}}, \qquad \overline{g}_{h\cdot} = \frac{\left(\sum_{i=1}^{n_h} g_{hi}\right)}{n_h}, \text{ and where } h' \text{ is the number of strata contained in any}$$

subgrouping of strata or is the collection of all strata.

$$SE(\hat{R}_{h'}) = \sqrt{\hat{V}(\hat{R}_{h'})}$$

APPENDIX G

ALLOCATION OF SAMPLE SIZE

Table G-1 Number of Bags Collected and Sampled by Stratum Over 12 Weeks

Site	Location	Stream	Week 1		Week 2		Week 3		Week 5		Week 6		Week 7		Week 8		Week 9		Week 10		Week 11		Week 12		Week 13		Grand Total	
			N	n	N	n	N	n	N	n	N	n	N	n	N	n	N	n	N	n	N	n	N	n	N	n	N	n
Parks																												
Manhattan: Union Square	Perimeter	Paper	19	19	26	26	18	18	4	4	30	22	26	20	22	19	36	19	45	23	34	20	27	24	45	22	332	236
		MGP	22	22	21	21	13	13	22	22	34	22	22	22	26	19	52	22	43	22	40	19	34	24	57	36	386	264
	Interior	Paper	1	1	6	6	3	3	2	2	5	4	5	3	2	2	5	3	12	4	4	4	3	3	3	3	51	38
		MGP	3	3	3	3	4	4	3	3	4	4	6	4	5	4	7	4	12	4	4	4	5	4	2	2	58	43
Bronx: Poe	Perimeter	Paper	3	3	0	0	5	5	6	6	4	4	4	4	8	4	5	5	6	4	7	4	7	7	4	4	59	50
		MGP	5	5	0	0	8	8	6	6	7	6	8	5	2	2	10	6	5	5	6	5	5	5	4	4	66	57
	Interior	Paper	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	0	0	0	0	1	1	21	19
		MGP	4	4	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	24	24
Brooklyn: Columbus	Perimeter	Paper	6	6	7	7	8	8	4	4	16	7	15	8	12	8	11	8	7	7	11	6	8	8	8	8	113	85
		MGP	7	7	7	7	9	9	3	3	13	7	8	7	6	6	4	4	10	6	9	5	4	4	2	2	82	67
	Interior	Paper	3	3	6	6	7	7	9	9	9	6	8	6	6	6	7	6	9	5	6	5	7	5	2	2	79	66
		MGP	4	4	2	2	4	4	5	5	7	4	7	4	6	6	7	5	6	4	7	4	4	4	2	2	61	48
Queens: Hoffman	Perimeter	Paper	9	9	6	6	3	3	4	4	6	5	7	5	8	5	7	5	6	5	8	5	7	5	7	7	78	64
		MGP	8	8	7	7	3	3	7	7	6	6	6	5	5	5	6	5	7	5	5	5	6	6	6	6	72	68
	Interior	Paper	1	1	2	2	0	0	2	2	2	2	1	1	2	1	2	1	2	1	2	1	2	2	2	2	20	16
		MGP	2	2	2	2	0	0	3	3	2	2	2	1	2	1	2	1	2	1	2	1	2	1	2	2	23	17
Staten Island: Tappen	Perimeter	Paper	7	7	11	11	5	5	5	5	0	0	12	10	5	5	6	5	2	2	6	5	6	4	6	6	71	65
		MGP	7	7	5	5	6	6	6	6	0	0	0	0	6	5	5	4	10	5	8	5	4	4	6	6	63	53
	Interior	Paper	2	2	1	1	2	2	2	2	0	0	2	1	2	2	2	1	2	2	2	1	2	1	2	2	21	17
		MGP	2	2	1	1	2	2	2	2	0	0	2	2	3	2	2	2	2	2	3	2	2	2	2	2	23	21
Staten Island: Clove Lakes	Perimeter	Paper	0	0	2	2	2	2	4	4	1	1	2	2	3	2	3	2	2	2	3	2	4	4	2	2	28	25
		MGP	0	0	5	5	2	2	5	5	0	0	2	2	4	3	4	3	6	3	3	3	4	3	2	2	37	31
	Interior	Paper	2	2	2	2	1	1	2	2	4	2	4	2	3	2	4	2	4	2	4	2	3	2	4	4	37	25
		MGP	2	2	3	3	5	5	4	4	4	3	3	3	4	4	4	3	3	3	4	3	4	3	4	4	44	40
Ferry Terminals																												
Whitehall	Interior	Paper	32	32	58	58	29	29	5	5	79	43	80	48	69	49	74	47	68	47	59	38	33	33	56	44	642	473
		MGP	36	36	52	52	22	22	43	43	49	38	63	25	66	39	68	39	48	39	57	33	43	38	50	30	597	434
St. George	Interior	Paper	10	10	14	14	5	5	8	8	26	11	26	17	27	13	24	15	15	13	23	11	22	19	13	13	213	149
		MGP	10	10	4	4	9	9	8	8	24	10	24	18	23	12	25	11	16	12	20	10	15	12	10	10	188	126
Grand Total			209	209	257	257	179	179	178	178	335	212	349	229	333	230	386	232	354	232	339	205	265	229	305	229	3489	2621

APPENDIX H

SUMMARY TABLES OF CENSUS & SURVEY ESTIMATES

Table H-1 Population Survey Estimates for the Percent Contamination Over 12 Weeks

Site	Location	Paper					Metal, Glass and Plastic (MGP)				
		Number of Sampled Bags	Percent Contamination Estimate	SE	95% CI		Number of Sampled Bags	Percent Contamination Estimate	SE	95% CI	
					Lower Bound	Upper Bound				Lower Bound	Upper Bound
Parks											
Manhattan: Union Square	Perimeter	236	3.36	0.15	3.06	3.65	264	27.36	0.54	26.30	28.42
	Interior	38	2.21	0.09	2.03	2.40	43	22.86	0.82	21.19	24.52
	Total	274	3.24	0.13	2.98	3.51	307	26.82	0.48	25.87	27.77
Bronx: Poe	Perimeter	50	46.39	3.49	39.33	53.44	57	60.84	0.76	59.31	62.36
	Interior	19	41.57	0.43	40.60	42.53	24	54.48	0.00	54.48	54.48
	Total	69	45.26	2.71	39.81	50.71	81	59.29	0.58	58.13	60.45
Brooklyn: Columbus	Perimeter	85	2.26	0.18	1.90	2.61	67	36.98	1.48	34.02	39.94
	Interior	66	3.41	0.23	2.95	3.86	48	41.75	1.47	38.77	44.72
	Total	151	2.76	0.14	2.48	3.04	115	39.24	1.03	37.19	41.29
Queens: Hoffman	Perimeter	64	9.47	0.69	8.08	10.86	68	41.36	0.36	40.65	42.08
	Interior	16	25.00	0.00	25.00	25.00	17	37.39	0.00	37.39	37.39
	Total	80	10.59	0.65	9.29	11.89	85	40.65	0.29	40.07	41.23
Staten Island: Tappen	Perimeter	65	14.44	1.34	11.76	17.12	53	46.22	1.30	43.60	48.84
	Interior	17	12.59	0.00	12.59	12.59	21	41.62	0.86	39.69	43.54
	Total	82	14.01	1.02	11.97	16.05	74	45.22	1.03	43.15	47.28
Staten Island: Clove Lakes	Perimeter	25	2.47	0.25	1.94	3.00	31	38.59	2.43	33.52	43.65
	Interior	25	9.30	1.13	6.85	11.75	40	38.72	2.32	33.97	43.46
	Total	50	5.44	0.49	4.45	6.44	71	38.66	1.70	35.25	42.07
Total Perimeter		525	6.27	0.27	5.73	6.81	540	34.53	0.41	33.72	35.34
Total Interior		181	6.89	0.20	6.49	7.28	193	36.79	0.63	35.54	38.04
Total Parks		706	6.39	0.22	5.96	6.83	733	35.03	0.35	34.34	35.72
Ferry Terminals											
Whitehall	Interior	473	3.48	0.25	2.99	3.97	434	42.93	0.53	41.88	43.97
St. George	Interior	149	2.71	0.15	2.41	3.01	126	35.18	0.78	33.64	36.72
Total Ferry Terminals		622	3.22	0.17	2.88	3.55	560	40.62	0.45	39.75	41.50
Grand Total		**1,328**	**4.83**	**0.14**	**4.56**	**5.11**	**1,293**	**37.49**	**0.28**	**36.94**	**38.04**

Table Notes:

1. Some strata have zero SE because either a complete census was done for this week or only one bag was sorted
2. Estimating the total contaminant weight using the weighted sum approach instead of an approach that multiplies the estimated percent contamination by the total Program weight of all collected recyclable bags was used since as the latter approach runs the risk of underestimating the variance of the contaminant weight estimate. Note that the two approaches yield different results for estimated contaminant weight since they are not mathematically equivalent.

Table H-2 Population Survey Estimates for the Total Weight (in lbs.) of all Unacceptable Collected Material Over 12 Weeks

Site	Location	Paper					Metal, Glass and Plastic (MGP)				
		Number of Sampled Bags	Total Weight of Contaminant Estimate	SE	95% CI		Number of Sampled Bags	Total Weight of Contaminant Estimate	SE	95% CI	
					Lower Bound	Upper Bound				Lower Bound	Upper Bound
Parks											
Manhattan: Union Square	Perimeter	236	236.80	10.32	216.45	257.14	264	1,376.58	34.24	1,309.15	1,444.01
	Interior	38	17.53	1.20	15.06	20.00	43	156.75	7.12	142.22	171.28
	Total	274	254.33	10.39	233.86	274.80	307	1,533.33	34.97	1,464.49	1,602.16
Bronx: Poe	Perimeter	50	239.71	28.99	181.06	298.36	57	500.12	20.43	458.99	541.24
	Interior	19	65.55	1.91	61.23	69.87	24	144.05	0.00	144.05	144.05
	Total	69	305.26	29.06	246.84	363.69	81	644.17	20.43	603.26	685.07
Brooklyn: Columbus	Perimeter	85	46.33	3.44	39.47	53.18	67	284.29	16.96	250.31	318.28
	Interior	66	54.32	3.31	47.67	60.96	48	289.34	13.33	262.31	316.37
	Total	151	100.64	4.78	91.19	110.10	115	573.63	21.57	530.79	616.48
Queens: Hoffman	Perimeter	64	138.58	10.15	118.21	158.95	68	328.90	4.09	320.71	337.09
	Interior	16	28.30	0.00	28.30	28.30	17	65.17	0.00	65.17	65.17
	Total	80	166.88	10.15	146.55	187.21	85	394.07	4.09	385.90	402.24
Staten Island: Tappen	Perimeter	65	84.00	7.23	69.50	98.49	53	247.34	9.41	228.37	266.32
	Interior	17	22.45	0.00	22.45	22.45	21	62.24	2.48	56.71	67.77
	Total	82	106.45	7.23	91.98	120.91	74	309.58	9.73	290.07	329.10
Staten Island: Clove Lakes	Perimeter	25	9.50	0.77	7.85	11.15	31	83.81	6.26	70.80	96.83
	Interior	25	27.50	2.50	22.10	32.90	40	125.20	13.31	97.93	152.47
	Total	50	37.00	2.61	31.64	42.36	71	209.01	14.71	179.45	238.57
Total Perimeter		525	754.91	33.39	689.29	820.53	540	2,821.04	44.96	2,732.69	2,909.40
Total Interior		181	215.65	4.72	206.29	225.01	193	842.75	20.29	802.59	882.91
Total Parks		706	970.56	33.73	904.32	1,036.80	733	3,663.79	49.33	3,566.91	3,760.67
Ferry Terminals											
Whitehall	Interior	473	336.09	23.06	290.78	381.40	434	2,482.01	44.42	2,394.70	2,569.32
St. George	Interior	149	134.71	7.87	119.15	150.27	126	862.06	22.98	816.54	907.57
Total Ferry Terminals		622	470.80	24.36	422.95	518.64	560	3,344.07	50.01	3,245.83	3,442.31
Grand Total		**1,328**	**1,441.36**	**41.60**	**1,359.73**	**1,522.98**	**1,293**	**7,007.86**	**70.25**	**6,870.03**	**7,145.68**

Table Notes:

1. Some strata have zero SE because either a complete census was done for this week or only one bag was sorted.
2. Estimating the total contaminant weight using the weighted sum approach instead of an approach that multiplies the estimated percent contamination by the total Program weight of all collected recyclable bags was used since as the latter approach runs the risk of underestimating the variance of the contaminant weight estimate. Note that the two approaches yield different results for estimated contaminant weight since they are not mathematically equivalent.

Table H-3 Population Census Estimates for the Total Weight (in lbs.) of all Collected Material Over 12 Weeks

Site	Location	Paper		Metal, Glass and Plastic (MGP)		Grand Total	
		Number of Collected Bags	Estimate	Number of Collected Bags	Estimate	Number of Collected Bags	Estimate
Parks							
Manhattan: Union Square	Perimeter	332	7374.29	386	5167.63	718	12542.00
	Interior	51	800.74	58	721.20	109	1521.94
	Total	383	8175.03	444	5888.83	827	14064.00
Bronx: Poe	Perimeter	59	536.85	66	840.81	125	1377.66
	Interior	21	155.10	24	264.40	45	419.50
	Total	80	691.95	90	1105.21	170	1797.16
Brooklyn: Columbus	Perimeter	113	1954.30	82	767.05	195	2721.35
	Interior	79	1586.65	61	670.80	140	2257.45
	Total	192	3540.95	143	1437.85	335	4978.80
Queens: Hoffman	Perimeter	78	1538.16	72	794.92	150	2333.08
	Interior	20	112.15	23	153.40	43	265.55
	Total	98	1650.31	95	948.32	193	2598.63
Staten Island: Tappan	Perimeter	71	638.70	63	550.20	134	1188.90
	Interior	21	189.55	23	146.05	44	335.60
	Total	92	828.25	86	696.25	178	1524.50
Staten Island: Clove Lakes	Perimeter	28	355.40	37	195.85	65	551.25
	Interior	37	236.50	44	314.80	81	551.30
	Total	65	591.90	81	510.65	146	1102.55
Total Perimeter		681	12398.00	706	8316.46	1387	20714.00
Total Interior		229	3080.69	233	2270.65	462	5351.34
Total Parks		910	15478.00	939	10587.00	1849	26065.00
Ferry Terminals							
Whitehall	Interior	642	10359.00	597	5667.03	1239	16026.00
St. George	Interior	213	5532.50	188	2480.70	401	8013.20
Total Ferry Terminals		855	15892.00	785	8147.73	1640	24039.00
Grand Total		**1765**	**31370.00**	**1724**	**18735.00**	**3489**	**50105.00**

Table H-4 Population Census Estimates for the Average Weight (in lbs.) Per Bag Over 12 Weeks

Site	Location	Paper		Metal, Glass and Plastic (MGP)		Grand Total	
		Number of Collected Bags	Estimate	Number of Collected Bags	Estimate	Number of Collected Bags	Estimate
Parks							
Manhattan: Union Square	Perimeter	332	22.21	386	13.39	718	17.47
	Interior	51	15.70	58	12.43	109	13.96
	Total	383	21.34	444	13.26	827	17.01
Bronx: Poe	Perimeter	59	9.10	66	12.74	125	11.02
	Interior	21	7.39	24	11.02	45	9.32
	Total	80	8.65	90	12.28	170	10.57
Brooklyn: Columbus	Perimeter	113	17.29	82	9.35	195	13.96
	Interior	79	20.08	61	11.00	140	16.12
	Total	192	18.44	143	10.05	335	14.86
Queens: Hoffman	Perimeter	78	19.72	72	11.04	150	15.55
	Interior	20	5.61	23	6.67	43	6.18
	Total	98	16.84	95	9.98	193	13.46
Staten Island: Tappan	Perimeter	71	9.00	63	8.73	134	8.87
	Interior	21	9.03	23	6.35	44	7.63
	Total	92	9.00	86	8.10	178	8.56
Staten Island: Clove Lakes	Perimeter	28	12.69	37	5.29	65	8.48
	Interior	37	6.39	44	7.15	81	6.81
	Total	65	9.11	81	6.30	146	7.55
Total Perimeter		681	18.21	706	11.78	1387	14.93
Total Interior		229	13.45	233	9.75	462	11.58
Total Parks		910	17.01	939	11.27	1849	14.10
Ferry Terminals							
Whitehall	Interior	642	16.14	597	9.49	1239	12.93
St. George	Interior	213	25.97	188	13.20	401	19.98
Total Ferry Terminals		855	18.59	785	10.38	1640	14.66
Grand Total		**1765**	**17.77**	**1724**	**10.87**	**3489**	**14.36**

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APPENDIX I

RAW SURVEY DATA

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
4/4/2007	Ijahi Terry	CLOVE LAKES	Interior	MGP	4.25	3.20	1.00
4/4/2007	Ijahi Terry	CLOVE LAKES	Interior	MGP	1.35	0.05	1.00
4/4/2007	Ijahi Terry	CLOVE LAKES	Interior	Paper	3.95	0.05	1.00
4/4/2007	Ijahi Terry	CLOVE LAKES	Interior	Paper	0.85	0.00	1.00
4/4/2007	Alice Henshaw	COLUMBUS	Interior	MGP	9.65	5.20	1.00
4/4/2007	Alice Henshaw	COLUMBUS	Interior	MGP	5.35	1.40	1.00
4/4/2007	Alice Henshaw	COLUMBUS	Interior	MGP	19.65	17.10	1.00
4/4/2007	Alice Henshaw	COLUMBUS	Interior	MGP	3.50	2.15	1.00
4/4/2007	Alice Henshaw	COLUMBUS	Interior	Paper	14.05	0.35	1.00
4/4/2007	Alice Henshaw	COLUMBUS	Interior	Paper	30.85	1.35	1.00
4/4/2007	Alice Henshaw	COLUMBUS	Interior	Paper	13.55	0.45	1.00
4/4/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	6.70	3.60	1.00
4/4/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	24.80	11.20	1.00
4/4/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	10.05	4.35	1.00
4/4/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	3.20	1.70	1.00
4/4/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	9.55	3.35	1.00
4/4/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	5.35	4.35	1.00
4/4/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	5.65	3.35	1.00
4/4/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	14.50	0.25	1.00
4/4/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	4.35	0.10	1.00
4/4/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	3.55	0.90	1.00
4/4/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	5.85	0.25	1.00
4/4/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	5.95	0.30	1.00
4/4/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	7.55	0.05	1.00
4/4/2007	Ijahi Terry	HOFFMAN	Interior	MGP	8.80	3.15	1.00
4/4/2007	Ijahi Terry	HOFFMAN	Interior	MGP	16.00	4.05	1.00
4/4/2007	Ijahi Terry	HOFFMAN	Interior	Paper	3.25	1.35	1.00
4/4/2007	Ijahi Terry	HOFFMAN	Perimeter	MGP	22.05	7.50	1.00
4/4/2007	Ijahi Terry	HOFFMAN	Perimeter	MGP	13.50	3.80	1.00
4/4/2007	Ijahi Terry	HOFFMAN	Perimeter	MGP	4.95	2.50	1.00
4/4/2007	Ijahi Terry	HOFFMAN	Perimeter	MGP	1.30	0.35	1.00
4/4/2007	Ijahi Terry	HOFFMAN	Perimeter	MGP	2.25	1.40	1.00
4/4/2007	Ijahi Terry	HOFFMAN	Perimeter	MGP	1.70	0.40	1.00
4/4/2007	Ijahi Terry	HOFFMAN	Perimeter	MGP	3.80	2.80	1.00
4/4/2007	Ijahi Terry	HOFFMAN	Perimeter	MGP	3.65	2.60	1.00
4/4/2007	Ijahi Terry	HOFFMAN	Perimeter	Paper	1.50	0.05	1.00
4/4/2007	Ijahi Terry	HOFFMAN	Perimeter	Paper	20.25	3.05	1.00
4/4/2007	Ijahi Terry	HOFFMAN	Perimeter	Paper	1.10	0.05	1.00
4/4/2007	Ijahi Terry	HOFFMAN	Perimeter	Paper	19.65	1.75	1.00
4/4/2007	Ijahi Terry	HOFFMAN	Perimeter	Paper	49.40	0.45	1.00
4/4/2007	Ijahi Terry	HOFFMAN	Perimeter	Paper	1.05	0.00	1.00
4/4/2007	Ijahi Terry	HOFFMAN	Perimeter	Paper	1.75	1.10	1.00
4/4/2007	Ijahi Terry	HOFFMAN	Perimeter	Paper	72.05	0.50	1.00
4/4/2007	Ijahi Terry	HOFFMAN	Perimeter	Paper	0.35	0.00	1.00
4/4/2007	Alice Henshaw	POE	Interior	MGP	9.40	5.15	1.00
4/4/2007	Alice Henshaw	POE	Interior	MGP	8.70	1.20	1.00
4/4/2007	Alice Henshaw	POE	Interior	MGP	7.85	1.35	1.00
4/4/2007	Alice Henshaw	POE	Interior	MGP	1.80	0.40	1.00
4/4/2007	Alice Henshaw	POE	Interior	Paper	2.20	0.70	1.00
4/4/2007	Alice Henshaw	POE	Interior	Paper	2.65	1.85	1.00
4/4/2007	Alice Henshaw	POE	Perimeter	MGP	32.45	6.63	1.00
4/4/2007	Alice Henshaw	POE	Perimeter	MGP	6.40	3.50	1.00
4/4/2007	Alice Henshaw	POE	Perimeter	MGP	5.98	3.10	1.00
4/4/2007	Alice Henshaw	POE	Perimeter	MGP	7.15	4.90	1.00

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
4/4/2007	Alice Henshaw	POE	Perimeter	MGP	7.80	2.50	1.00
4/4/2007	Alice Henshaw	POE	Perimeter	Paper	2.65	1.15	1.00
4/4/2007	Alice Henshaw	POE	Perimeter	Paper	1.50	0.25	1.00
4/4/2007	Alice Henshaw	POE	Perimeter	Paper	4.60	0.35	1.00
4/4/2007	Zach DiStefano	ST GEORGE	Interior	MGP	3.40	1.20	1.00
4/4/2007	Zach DiStefano	ST GEORGE	Interior	MGP	35.50	10.36	1.00
4/4/2007	Zach DiStefano	ST GEORGE	Interior	MGP	5.35	3.10	1.00
4/4/2007	Zach DiStefano	ST GEORGE	Interior	MGP	15.10	5.95	1.00
4/4/2007	Zach DiStefano	ST GEORGE	Interior	MGP	16.85	4.75	1.00
4/4/2007	Zach DiStefano	ST GEORGE	Interior	MGP	22.20	5.05	1.00
4/4/2007	Zach DiStefano	ST GEORGE	Interior	MGP	19.00	5.66	1.00
4/4/2007	Zach DiStefano	ST GEORGE	Interior	MGP	9.50	5.30	1.00
4/4/2007	Zach DiStefano	ST GEORGE	Interior	MGP	4.70	1.60	1.00
4/4/2007	Zach DiStefano	ST GEORGE	Interior	MGP	6.40	1.60	1.00
4/4/2007	Zach DiStefano	ST GEORGE	Interior	Paper	5.60	0.45	1.00
4/4/2007	Zach DiStefano	ST GEORGE	Interior	Paper	12.75	1.00	1.00
4/4/2007	Zach DiStefano	ST GEORGE	Interior	Paper	42.25	2.90	1.00
4/4/2007	Zach DiStefano	ST GEORGE	Interior	Paper	11.20	0.00	1.00
4/4/2007	Zach DiStefano	ST GEORGE	Interior	Paper	24.00	1.10	1.00
4/4/2007	Zach DiStefano	ST GEORGE	Interior	Paper	7.65	0.45	1.00
4/4/2007	Zach DiStefano	ST GEORGE	Interior	Paper	92.00	7.30	1.00
4/4/2007	Zach DiStefano	ST GEORGE	Interior	Paper	28.80	2.50	1.00
4/4/2007	Zach DiStefano	ST GEORGE	Interior	Paper	7.95	1.20	1.00
4/4/2007	Zach DiStefano	ST GEORGE	Interior	Paper	13.85	0.00	1.00
4/4/2007	Zach DiStefano	TAPPEN	Interior	MGP	5.00	0.45	1.00
4/4/2007	Zach DiStefano	TAPPEN	Interior	MGP	1.10	0.10	1.00
4/4/2007	Zach DiStefano	TAPPEN	Interior	Paper	5.30	1.00	1.00
4/4/2007	Zach DiStefano	TAPPEN	Interior	Paper	5.50	0.05	1.00
4/4/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	4.05	2.25	1.00
4/4/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	7.35	3.10	1.00
4/4/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	1.95	1.15	1.00
4/4/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	3.25	2.70	1.00
4/4/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	2.95	1.50	1.00
4/4/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	5.50	1.75	1.00
4/4/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	1.50	1.30	1.00
4/4/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	2.10	2.05	1.00
4/4/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	0.69	0.10	1.00
4/4/2007	Zach DiStefano	TAPPEN	Perimeter	Paper	5.65	0.05	1.00
4/4/2007	Zach DiStefano	TAPPEN	Perimeter	Paper	2.65	0.05	1.00
4/4/2007	Zach DiStefano	TAPPEN	Perimeter	Paper	1.50	0.60	1.00
4/4/2007	Zach DiStefano	TAPPEN	Perimeter	Paper	6.25	0.60	1.00
4/4/2007	Zach DiStefano	TAPPEN	Perimeter	Paper	3.25	0.00	1.00
4/4/2007	Melissa Hamilton	UNION SQUARE	Interior	MGP	3.40	0.95	1.00
4/4/2007	Melissa Hamilton	UNION SQUARE	Interior	MGP	1.75	0.25	1.00
4/4/2007	Melissa Hamilton	UNION SQUARE	Interior	MGP	8.20	0.15	1.00
4/4/2007	Melissa Hamilton	UNION SQUARE	Interior	Paper	0.15	0.05	1.00
4/4/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	38.20	0.35	1.00
4/4/2007	Ijahi Terry	UNION SQUARE	Perimeter	Paper	5.00	0.05	1.00
4/4/2007	Ijahi Terry	UNION SQUARE	Perimeter	Paper	1.45	0.00	1.00
4/4/2007	Ijahi Terry	UNION SQUARE	Perimeter	Paper	8.00	0.30	1.00
4/4/2007	Ijahi Terry	UNION SQUARE	Perimeter	Paper	29.30	0.60	1.00
4/4/2007	Ijahi Terry	UNION SQUARE	Perimeter	Paper	15.70	0.20	1.00
4/4/2007	Ijahi Terry	UNION SQUARE	Perimeter	Paper	11.20	0.35	1.00
4/4/2007	Ijahi Terry	UNION SQUARE	Perimeter	Paper	19.50	0.20	1.00

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
4/4/2007	Ijahi Terry	UNION SQUARE	Perimeter	Paper	22.50	1.70	1.00
4/4/2007	Ijahi Terry	UNION SQUARE	Perimeter	Paper	19.60	1.85	1.00
4/4/2007	Ijahi Terry	UNION SQUARE	Perimeter	Paper	6.20	0.15	1.00
4/4/2007	Ijahi Terry	UNION SQUARE	Perimeter	Paper	19.10	0.40	1.00
4/4/2007	Ijahi Terry	UNION SQUARE	Perimeter	Paper	11.90	0.70	1.00
4/4/2007	Ijahi Terry	UNION SQUARE	Perimeter	Paper	6.65	0.05	1.00
4/4/2007	Ijahi Terry	UNION SQUARE	Perimeter	Paper	5.45	0.10	1.00
4/4/2007	Ijahi Terry	UNION SQUARE	Perimeter	Paper	16.85	1.55	1.00
4/4/2007	Ijahi Terry	UNION SQUARE	Perimeter	Paper	13.00	0.35	1.00
4/4/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	36.05	0.65	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	4.05	0.68	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	8.30	2.55	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	14.80	2.80	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	2.55	1.35	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	14.05	8.40	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	7.60	1.10	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	5.55	0.74	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	15.90	1.72	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	4.45	0.50	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	7.75	1.40	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	2.00	0.50	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	2.10	0.85	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	12.05	2.25	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	10.60	1.80	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	3.50	0.15	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	9.80	1.35	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	24.40	5.37	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	10.15	1.30	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	2.20	0.65	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	4.70	1.26	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	20.00	4.35	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	3.35	0.15	1.00
4/4/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	15.25	0.80	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	5.30	2.10	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	10.35	1.95	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	10.05	6.50	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	7.20	2.45	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	3.80	1.80	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	15.10	4.00	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	8.55	2.35	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	14.70	6.00	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	10.55	1.70	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	5.60	1.05	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	4.45	2.75	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	4.20	2.50	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	11.35	6.95	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	15.75	7.44	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	8.55	2.60	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	9.40	2.30	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	4.45	1.90	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	8.35	3.20	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	14.80	7.20	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	7.70	3.70	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	15.40	0.70	1.00

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	4.80	2.95	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	6.80	2.35	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	14.55	10.25	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	8.70	3.15	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	8.30	3.50	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	9.80	4.30	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	6.35	2.30	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	9.05	8.60	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	8.70	4.95	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	5.40	2.90	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	4.10	1.60	1.00
4/4/2007	Alice Henshaw	WHITEHALL	Interior	MGP	22.00	3.60	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	MGP	11.30	4.20	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	MGP	9.75	5.70	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	MGP	12.75	5.45	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	45.50	0.15	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	10.15	3.10	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	9.95	0.45	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	9.15	0.10	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	50.50	1.40	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	16.60	0.50	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.75	0.25	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	11.90	0.70	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	5.80	0.15	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.80	0.05	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.00	0.70	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	6.10	0.30	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	11.25	0.85	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	12.35	0.15	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	22.80	1.30	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.85	0.10	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	6.35	0.90	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	11.05	0.25	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	19.10	0.45	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	6.00	0.20	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	11.65	0.35	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	13.70	0.85	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.45	0.20	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	3.90	1.45	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	42.05	0.20	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	15.00	0.15	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	16.55	0.50	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	10.00	0.25	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	18.75	0.70	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	11.15	0.35	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	14.40	0.80	1.00
4/4/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	22.15	0.05	1.00
4/11/2007	Ijahi Terry	CLOVE LAKES	Interior	MGP	2.00	0.35	1.00
4/11/2007	Ijahi Terry	CLOVE LAKES	Interior	MGP	2.60	1.90	1.00
4/11/2007	Ijahi Terry	CLOVE LAKES	Interior	MGP	2.40	0.85	1.00
4/11/2007	Ijahi Terry	CLOVE LAKES	Interior	Paper	28.25	2.40	1.00
4/11/2007	Ijahi Terry	CLOVE LAKES	Interior	Paper	1.15	0.00	1.00
4/11/2007	Ijahi Terry	CLOVE LAKES	Perimeter	MGP	3.95	0.50	1.00
4/11/2007	Ijahi Terry	CLOVE LAKES	Perimeter	MGP	3.65	0.60	1.00

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
4/11/2007	Ijahi Terry	CLOVE LAKES	Perimeter	MGP	1.95	1.80	1.00
4/11/2007	Ijahi Terry	CLOVE LAKES	Perimeter	MGP	0.30	0.25	1.00
4/11/2007	Ijahi Terry	CLOVE LAKES	Perimeter	MGP	2.15	1.95	1.00
4/11/2007	Ijahi Terry	CLOVE LAKES	Perimeter	Paper	12.15	0.00	1.00
4/11/2007	Ijahi Terry	CLOVE LAKES	Perimeter	Paper	1.65	0.00	1.00
4/11/2007	Javen Galindez	COLUMBUS	Interior	MGP	7.30	4.80	1.00
4/11/2007	Javen Galindez	COLUMBUS	Interior	MGP	4.10	0.15	1.00
4/11/2007	Javen Galindez	COLUMBUS	Interior	Paper	15.75	0.45	1.00
4/11/2007	Javen Galindez	COLUMBUS	Interior	Paper	23.80	0.15	1.00
4/11/2007	Javen Galindez	COLUMBUS	Interior	Paper	23.15	0.00	1.00
4/11/2007	Javen Galindez	COLUMBUS	Interior	Paper	20.45	0.10	1.00
4/11/2007	Javen Galindez	COLUMBUS	Interior	Paper	2.85	0.45	1.00
4/11/2007	Javen Galindez	COLUMBUS	Interior	Paper	21.50	0.95	1.00
4/11/2007	Javen Galindez	COLUMBUS	Perimeter	MGP	2.25	0.70	1.00
4/11/2007	Javen Galindez	COLUMBUS	Perimeter	MGP	6.10	1.05	1.00
4/11/2007	Javen Galindez	COLUMBUS	Perimeter	MGP	1.35	0.20	1.00
4/11/2007	Javen Galindez	COLUMBUS	Perimeter	MGP	4.70	1.55	1.00
4/11/2007	Javen Galindez	COLUMBUS	Perimeter	MGP	3.95	1.15	1.00
4/11/2007	Javen Galindez	COLUMBUS	Perimeter	MGP	6.55	1.45	1.00
4/11/2007	Javen Galindez	COLUMBUS	Perimeter	MGP	2.55	1.10	1.00
4/11/2007	Javen Galindez	COLUMBUS	Perimeter	Paper	19.75	0.15	1.00
4/11/2007	Javen Galindez	COLUMBUS	Perimeter	Paper	15.20	2.10	1.00
4/11/2007	Javen Galindez	COLUMBUS	Perimeter	Paper	6.45	0.25	1.00
4/11/2007	Javen Galindez	COLUMBUS	Perimeter	Paper	24.25	0.10	1.00
4/11/2007	Javen Galindez	COLUMBUS	Perimeter	Paper	4.35	0.00	1.00
4/11/2007	Javen Galindez	COLUMBUS	Perimeter	Paper	23.90	0.50	1.00
4/11/2007	Javen Galindez	COLUMBUS	Perimeter	Paper	5.65	0.50	1.00
4/11/2007	Ijahi Terry	HOFFMAN	Interior	MGP	2.55	1.45	1.00
4/11/2007	Ijahi Terry	HOFFMAN	Interior	MGP	1.10	0.75	1.00
4/11/2007	Ijahi Terry	HOFFMAN	Interior	Paper	2.10	0.65	1.00
4/11/2007	Ijahi Terry	HOFFMAN	Interior	Paper	2.80	0.25	1.00
4/11/2007	Ijahi Terry	HOFFMAN	Perimeter	MGP	9.95	6.30	1.00
4/11/2007	Ijahi Terry	HOFFMAN	Perimeter	MGP	4.20	2.60	1.00
4/11/2007	Ijahi Terry	HOFFMAN	Perimeter	MGP	4.65	2.05	1.00
4/11/2007	Ijahi Terry	HOFFMAN	Perimeter	MGP	3.10	1.70	1.00
4/11/2007	Ijahi Terry	HOFFMAN	Perimeter	MGP	5.90	3.00	1.00
4/11/2007	Ijahi Terry	HOFFMAN	Perimeter	MGP	4.30	3.45	1.00
4/11/2007	Ijahi Terry	HOFFMAN	Perimeter	MGP	7.80	1.40	1.00
4/11/2007	Ijahi Terry	HOFFMAN	Perimeter	Paper	0.90	0.50	1.00
4/11/2007	Ijahi Terry	HOFFMAN	Perimeter	Paper	17.45	0.95	1.00
4/11/2007	Ijahi Terry	HOFFMAN	Perimeter	Paper	7.00	0.15	1.00
4/11/2007	Ijahi Terry	HOFFMAN	Perimeter	Paper	9.50	0.50	1.00
4/11/2007	Ijahi Terry	HOFFMAN	Perimeter	Paper	15.70	1.80	1.00
4/11/2007	Ijahi Terry	HOFFMAN	Perimeter	Paper	15.60	1.20	1.00
4/11/2007	Javen Galindez	POE	Interior	MGP	1.15	0.25	1.00
4/11/2007	Javen Galindez	POE	Interior	MGP	1.10	0.05	1.00
4/11/2007	Javen Galindez	POE	Interior	Paper	4.40	0.05	1.00
4/11/2007	Javen Galindez	POE	Interior	Paper	2.95	1.10	1.00
4/11/2007	Ijahi Terry	ST GEORGE	Interior	Paper	18.00	0.55	1.00
4/11/2007	Ijahi Terry	ST GEORGE	Interior	Paper	31.20	0.10	1.00
4/11/2007	Ijahi Terry	ST GEORGE	Interior	Paper	7.05	2.20	1.00
4/11/2007	Ijahi Terry	ST GEORGE	Interior	Paper	14.55	1.10	1.00
4/11/2007	Ijahi Terry	ST GEORGE	Interior	Paper	36.90	0.75	1.00
4/11/2007	Ijahi Terry	ST GEORGE	Interior	Paper	23.85	1.60	1.00

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
4/11/2007	Ijahi Terry	ST GEORGE	Interior	Paper	13.75	0.00	1.00
4/11/2007	Ijahi Terry	ST GEORGE	Interior	Paper	22.40	0.55	1.00
4/11/2007	Ijahi Terry	ST GEORGE	Interior	Paper	24.00	0.60	1.00
4/11/2007	Ijahi Terry	ST GEORGE	Interior	Paper	31.70	0.40	1.00
4/11/2007	Ijahi Terry	ST GEORGE	Interior	Paper	32.50	1.50	1.00
4/11/2007	Ijahi Terry	ST GEORGE	Interior	Paper	50.30	0.45	1.00
4/11/2007	Ijahi Terry	ST GEORGE	Interior	Paper	36.85	0.75	1.00
4/11/2007	Ijahi Terry	ST GEORGE	Interior	Paper	31.15	0.00	1.00
4/11/2007	Matthew Martin	ST GEORGE	Interior	MGP	21.90	5.00	1.00
4/11/2007	Matthew Martin	ST GEORGE	Interior	MGP	17.50	9.20	1.00
4/11/2007	Matthew Martin	ST GEORGE	Interior	MGP	25.30	8.85	1.00
4/11/2007	Matthew Martin	ST GEORGE	Interior	MGP	21.90	4.30	1.00
4/11/2007	Matthew Martin	TAPPEN	Interior	MGP	7.25	4.05	1.00
4/11/2007	Matthew Martin	TAPPEN	Interior	Paper	2.35	1.15	1.00
4/11/2007	Matthew Martin	TAPPEN	Perimeter	MGP	4.20	3.30	1.00
4/11/2007	Matthew Martin	TAPPEN	Perimeter	MGP	4.00	2.15	1.00
4/11/2007	Matthew Martin	TAPPEN	Perimeter	MGP	7.00	3.55	1.00
4/11/2007	Matthew Martin	TAPPEN	Perimeter	MGP	3.70	0.45	1.00
4/11/2007	Matthew Martin	TAPPEN	Perimeter	MGP	4.20	1.25	1.00
4/11/2007	Matthew Martin	TAPPEN	Perimeter	Paper	6.00	0.05	1.00
4/11/2007	Matthew Martin	TAPPEN	Perimeter	Paper	1.55	0.00	1.00
4/11/2007	Matthew Martin	TAPPEN	Perimeter	Paper	3.15	0.80	1.00
4/11/2007	Matthew Martin	TAPPEN	Perimeter	Paper	1.65	0.20	1.00
4/11/2007	Matthew Martin	TAPPEN	Perimeter	Paper	12.50	0.00	1.00
4/11/2007	Matthew Martin	TAPPEN	Perimeter	Paper	4.10	0.30	1.00
4/11/2007	Matthew Martin	TAPPEN	Perimeter	Paper	11.45	0.50	1.00
4/11/2007	Matthew Martin	TAPPEN	Perimeter	Paper	1.50	0.70	1.00
4/11/2007	Matthew Martin	TAPPEN	Perimeter	Paper	1.60	1.55	1.00
4/11/2007	Matthew Martin	TAPPEN	Perimeter	Paper	1.76	0.35	1.00
4/11/2007	Matthew Martin	TAPPEN	Perimeter	Paper	12.45	0.35	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Interior	MGP	5.50	1.24	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Interior	MGP	2.65	0.48	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Interior	MGP	3.00	0.46	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Interior	Paper	2.75	0.14	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Interior	Paper	6.74	0.06	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Interior	Paper	0.35	0.00	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Interior	Paper	11.65	0.18	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Interior	Paper	0.40	0.00	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Interior	Paper	9.30	0.26	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	18.10	1.20	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	1.60	0.12	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	14.20	3.26	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	17.90	1.18	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	9.50	1.42	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	9.45	2.74	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	4.45	1.14	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	8.80	0.38	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	1.80	0.14	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	6.11	0.80	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	3.50	0.80	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	1.75	1.30	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	7.94	2.32	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	1.22	0.44	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	13.62	2.56	1.00

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	1.80	1.80	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	1.35	0.30	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	12.10	9.65	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	5.05	2.05	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	1.50	0.75	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	23.20	11.70	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	2.82	1.40	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	17.35	0.05	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	2.75	0.10	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	50.05	0.55	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	5.00	0.45	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	2.35	0.10	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	5.20	0.15	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	5.80	0.35	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	5.75	0.25	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	1.02	0.05	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	0.85	0.15	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	5.35	0.10	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	7.95	0.50	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	3.15	0.00	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	37.50	0.60	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	26.00	0.10	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	34.10	8.90	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	15.95	0.05	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	10.65	0.20	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	18.95	0.15	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	4.55	0.00	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	30.15	0.05	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	45.95	1.25	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	8.40	0.00	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	12.83	4.20	1.00
4/11/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	66.35	0.00	1.00
4/11/2007	Ijahi Terry	WHITEHALL	Interior	MGP	7.85	2.95	1.00
4/11/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.75	9.20	1.00
4/11/2007	Ijahi Terry	WHITEHALL	Interior	MGP	11.85	9.35	1.00
4/11/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.45	2.40	1.00
4/11/2007	Ijahi Terry	WHITEHALL	Interior	MGP	7.70	1.65	1.00
4/11/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.20	6.60	1.00
4/11/2007	Ijahi Terry	WHITEHALL	Interior	MGP	8.55	2.45	1.00
4/11/2007	Ijahi Terry	WHITEHALL	Interior	MGP	4.40	3.80	1.00
4/11/2007	Ijahi Terry	WHITEHALL	Interior	MGP	7.30	2.90	1.00
4/11/2007	Ijahi Terry	WHITEHALL	Interior	Paper	16.85	0.05	1.00
4/11/2007	Ijahi Terry	WHITEHALL	Interior	Paper	9.35	0.35	1.00
4/11/2007	Ijahi Terry	WHITEHALL	Interior	Paper	9.50	0.40	1.00
4/11/2007	Ijahi Terry	WHITEHALL	Interior	Paper	10.45	0.10	1.00
4/11/2007	Ijahi Terry	WHITEHALL	Interior	Paper	9.45	0.25	1.00
4/11/2007	Ijahi Terry	WHITEHALL	Interior	Paper	9.20	0.35	1.00
4/11/2007	Ijahi Terry	WHITEHALL	Interior	Paper	4.95	0.30	1.00
4/11/2007	Ijahi Terry	WHITEHALL	Interior	Paper	9.60	0.55	1.00
4/11/2007	Ijahi Terry	WHITEHALL	Interior	Paper	37.15	0.15	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	12.30	3.30	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	12.10	2.45	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	14.05	5.75	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	6.40	4.15	1.00

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	10.35	4.65	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	6.00	5.00	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	7.70	3.30	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	3.35	1.00	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	8.20	4.30	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	8.95	3.75	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	6.45	1.35	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	7.55	3.40	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	4.50	2.80	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	8.80	2.55	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	12.40	4.60	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	6.40	3.45	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	7.95	5.10	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	6.95	0.00	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	8.15	4.70	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	16.75	6.20	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	8.45	0.35	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	4.35	2.05	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	13.20	2.80	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	8.75	3.00	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	6.05	3.90	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	MGP	14.25	4.05	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	Paper	25.05	1.05	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	Paper	13.80	0.05	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	Paper	9.65	0.50	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	Paper	8.55	0.00	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	Paper	10.95	0.35	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	Paper	8.65	0.45	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	Paper	6.20	0.50	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	Paper	23.35	1.25	1.00
4/11/2007	Javen Galindez	WHITEHALL	Interior	Paper	19.90	0.35	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	MGP	7.65	4.45	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	MGP	13.85	7.20	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	MGP	9.35	4.70	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	MGP	8.00	5.10	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	MGP	10.55	5.20	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	MGP	11.75	6.95	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	MGP	12.20	7.30	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	MGP	5.70	2.40	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	MGP	9.15	3.40	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	MGP	6.85	2.70	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	MGP	20.75	6.25	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	MGP	10.65	5.90	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	MGP	11.93	6.00	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	MGP	7.70	4.80	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	MGP	14.25	7.05	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	MGP	6.90	3.75	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	MGP	14.35	6.40	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	16.60	2.70	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	7.80	0.25	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	11.10	0.85	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	9.10	0.35	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	11.40	1.80	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	25.10	0.47	1.00

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	11.41	9.00	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	9.70	0.75	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	12.60	0.10	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	5.30	0.00	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	9.70	2.55	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	8.45	0.20	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	26.15	0.85	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	7.35	0.85	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	25.15	0.95	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	40.00	10.50	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	13.30	1.25	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	55.60	1.20	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	45.80	1.55	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	23.25	1.20	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	50.30	0.45	1.00
4/11/2007	Matthew Martin	WHITEHALL	Interior	Paper	3.60	0.25	1.00
4/11/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	14.25	0.00	1.00
4/11/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	15.30	1.15	1.00
4/11/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	22.85	0.35	1.00
4/11/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	5.80	0.30	1.00
4/11/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	16.25	0.40	1.00
4/11/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	18.40	0.05	1.00
4/11/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	12.65	0.00	1.00
4/11/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	18.40	0.05	1.00
4/11/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	17.65	0.15	1.00
4/11/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	17.85	0.00	1.00
4/11/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	11.25	1.35	1.00
4/11/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.70	0.05	1.00
4/11/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	6.60	0.95	1.00
4/11/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	16.35	2.80	1.00
4/11/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	16.70	0.35	1.00
4/11/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	9.50	0.00	1.00
4/11/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	5.20	0.45	1.00
4/11/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	63.55	0.20	1.00
4/18/2007	Matthew Martin	CLOVE LAKES	Interior	MGP	11.15	1.15	1.00
4/18/2007	Matthew Martin	CLOVE LAKES	Interior	MGP	3.40	1.55	1.00
4/18/2007	Matthew Martin	CLOVE LAKES	Interior	MGP	7.60	1.10	1.00
4/18/2007	Matthew Martin	CLOVE LAKES	Interior	MGP	10.10	9.20	1.00
4/18/2007	Matthew Martin	CLOVE LAKES	Interior	MGP	2.65	0.75	1.00
4/18/2007	Matthew Martin	CLOVE LAKES	Interior	Paper	19.90	2.90	1.00
4/18/2007	Matthew Martin	CLOVE LAKES	Perimeter	MGP	2.85	1.60	1.00
4/18/2007	Matthew Martin	CLOVE LAKES	Perimeter	MGP	5.85	0.32	1.00
4/18/2007	Matthew Martin	CLOVE LAKES	Perimeter	Paper	12.95	0.50	1.00
4/18/2007	Matthew Martin	CLOVE LAKES	Perimeter	Paper	39.40	0.30	1.00
4/18/2007	Alice Henshaw	COLUMBUS	Interior	MGP	26.15	10.80	1.00
4/18/2007	Alice Henshaw	COLUMBUS	Interior	MGP	3.10	1.85	1.00
4/18/2007	Alice Henshaw	COLUMBUS	Interior	MGP	4.05	2.05	1.00
4/18/2007	Alice Henshaw	COLUMBUS	Interior	MGP	8.05	6.00	1.00
4/18/2007	Alice Henshaw	COLUMBUS	Interior	Paper	27.90	0.60	1.00
4/18/2007	Alice Henshaw	COLUMBUS	Interior	Paper	24.10	0.55	1.00
4/18/2007	Alice Henshaw	COLUMBUS	Interior	Paper	23.20	0.10	1.00
4/18/2007	Alice Henshaw	COLUMBUS	Interior	Paper	22.30	0.00	1.00
4/18/2007	Alice Henshaw	COLUMBUS	Interior	Paper	26.95	0.20	1.00
4/18/2007	Alice Henshaw	COLUMBUS	Interior	Paper	31.00	0.60	1.00

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
4/18/2007	Alice Henshaw	COLUMBUS	Interior	Paper	69.05	0.85	1.00
4/18/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	9.30	0.05	1.00
4/18/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	16.60	1.05	1.00
4/18/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	10.90	0.20	1.00
4/18/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	23.40	0.20	1.00
4/18/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	21.80	0.00	1.00
4/18/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	4.60	0.10	1.00
4/18/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	17.45	0.05	1.00
4/18/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	19.05	0.15	1.00
4/18/2007	Matthew Martin	COLUMBUS	Perimeter	MGP	2.65	1.15	1.00
4/18/2007	Matthew Martin	COLUMBUS	Perimeter	MGP	1.45	0.50	1.00
4/18/2007	Matthew Martin	COLUMBUS	Perimeter	MGP	4.70	1.15	1.00
4/18/2007	Matthew Martin	COLUMBUS	Perimeter	MGP	4.30	1.15	1.00
4/18/2007	Matthew Martin	COLUMBUS	Perimeter	MGP	3.50	1.08	1.00
4/18/2007	Matthew Martin	COLUMBUS	Perimeter	MGP	3.65	3.40	1.00
4/18/2007	Matthew Martin	COLUMBUS	Perimeter	MGP	1.80	0.00	1.00
4/18/2007	Matthew Martin	COLUMBUS	Perimeter	MGP	10.25	7.05	1.00
4/18/2007	Matthew Martin	COLUMBUS	Perimeter	MGP	7.80	4.50	1.00
4/18/2007	Matthew Martin	HOFFMAN	Perimeter	MGP	17.90	5.60	1.00
4/18/2007	Matthew Martin	HOFFMAN	Perimeter	MGP	0.55	0.25	1.00
4/18/2007	Matthew Martin	HOFFMAN	Perimeter	MGP	19.80	8.25	1.00
4/18/2007	Matthew Martin	HOFFMAN	Perimeter	Paper	111.40	1.60	1.00
4/18/2007	Matthew Martin	HOFFMAN	Perimeter	Paper	33.20	1.80	1.00
4/18/2007	Matthew Martin	HOFFMAN	Perimeter	Paper	15.90	1.20	1.00
4/18/2007	Alice Henshaw	POE	Interior	MGP	8.10	5.85	1.00
4/18/2007	Alice Henshaw	POE	Interior	MGP	6.10	2.85	1.00
4/18/2007	Alice Henshaw	POE	Interior	Paper	10.20	3.90	1.00
4/18/2007	Alice Henshaw	POE	Interior	Paper	7.75	4.65	1.00
4/18/2007	Alice Henshaw	POE	Perimeter	MGP	11.18	10.60	1.00
4/18/2007	Alice Henshaw	POE	Perimeter	MGP	24.20	20.05	1.00
4/18/2007	Alice Henshaw	POE	Perimeter	MGP	8.85	6.45	1.00
4/18/2007	Alice Henshaw	POE	Perimeter	MGP	8.40	6.90	1.00
4/18/2007	Alice Henshaw	POE	Perimeter	MGP	17.00	12.30	1.00
4/18/2007	Alice Henshaw	POE	Perimeter	MGP	11.10	7.00	1.00
4/18/2007	Alice Henshaw	POE	Perimeter	MGP	13.50	10.25	1.00
4/18/2007	Alice Henshaw	POE	Perimeter	MGP	6.00	2.05	1.00
4/18/2007	Alice Henshaw	POE	Perimeter	Paper	9.65	2.05	1.00
4/18/2007	Alice Henshaw	POE	Perimeter	Paper	6.20	2.30	1.00
4/18/2007	Alice Henshaw	POE	Perimeter	Paper	9.25	3.10	1.00
4/18/2007	Alice Henshaw	POE	Perimeter	Paper	1.75	0.50	1.00
4/18/2007	Alice Henshaw	POE	Perimeter	Paper	15.85	2.25	1.00
4/18/2007	Ijahi Terry	ST GEORGE	Interior	MGP	20.50	6.60	1.00
4/18/2007	Ijahi Terry	ST GEORGE	Interior	MGP	19.60	6.20	1.00
4/18/2007	Ijahi Terry	ST GEORGE	Interior	MGP	20.30	7.60	1.00
4/18/2007	Ijahi Terry	ST GEORGE	Interior	MGP	18.75	8.30	1.00
4/18/2007	Ijahi Terry	ST GEORGE	Interior	MGP	15.60	6.35	1.00
4/18/2007	Ijahi Terry	ST GEORGE	Interior	MGP	24.30	9.30	1.00
4/18/2007	Ijahi Terry	ST GEORGE	Interior	MGP	12.10	3.80	1.00
4/18/2007	Ijahi Terry	ST GEORGE	Interior	MGP	16.25	8.35	1.00
4/18/2007	Ijahi Terry	ST GEORGE	Interior	MGP	11.75	6.50	1.00
4/18/2007	Ijahi Terry	ST GEORGE	Interior	Paper	31.05	0.70	1.00
4/18/2007	Ijahi Terry	ST GEORGE	Interior	Paper	26.95	0.80	1.00
4/18/2007	Ijahi Terry	ST GEORGE	Interior	Paper	150.90	1.30	1.00
4/18/2007	Ijahi Terry	ST GEORGE	Interior	Paper	144.20	1.50	1.00

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
4/18/2007	Ijahi Terry	ST GEORGE	Interior	Paper	258.40	0.35	1.00
4/18/2007	Ijahi Terry	TAPPEN	Interior	MGP	5.35	0.20	1.00
4/18/2007	Ijahi Terry	TAPPEN	Interior	MGP	0.30	0.00	1.00
4/18/2007	Ijahi Terry	TAPPEN	Interior	Paper	9.90	0.00	1.00
4/18/2007	Ijahi Terry	TAPPEN	Interior	Paper	6.80	0.65	1.00
4/18/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	8.50	5.85	1.00
4/18/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	9.75	2.15	1.00
4/18/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	1.45	0.45	1.00
4/18/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	8.00	1.50	1.00
4/18/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	5.60	1.20	1.00
4/18/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	17.40	17.30	1.00
4/18/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	17.15	0.20	1.00
4/18/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	2.10	0.90	1.00
4/18/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	3.10	0.05	1.00
4/18/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	15.20	10.45	1.00
4/18/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	17.10	0.55	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Interior	MGP	3.70	0.15	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Interior	MGP	3.85	0.81	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Interior	MGP	10.75	3.30	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Interior	MGP	6.80	0.87	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Interior	Paper	13.10	0.70	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Interior	Paper	2.30	0.00	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Interior	Paper	5.70	0.15	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	5.50	1.09	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	9.95	1.96	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	17.50	9.67	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	12.15	7.82	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	15.90	6.60	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	9.25	3.10	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	13.75	2.27	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	18.20	11.45	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	14.60	2.36	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	18.90	7.42	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	9.70	7.50	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	8.80	2.43	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	2.70	0.31	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	51.65	1.00	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	73.65	0.05	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	37.85	0.55	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	9.40	0.40	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	44.25	0.05	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	12.00	0.00	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	21.15	0.15	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	39.90	0.00	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	53.90	0.80	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	12.90	0.30	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	16.90	1.55	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	3.50	0.00	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	10.25	0.20	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	5.90	0.70	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	6.20	0.10	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	54.75	0.55	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	45.05	0.60	1.00
4/18/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	12.65	0.10	1.00

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
4/18/2007	Alice Henshaw	WHITEHALL	Interior	MGP	9.85	6.58	1.00
4/18/2007	Alice Henshaw	WHITEHALL	Interior	MGP	8.05	2.80	1.00
4/18/2007	Alice Henshaw	WHITEHALL	Interior	MGP	15.70	10.75	1.00
4/18/2007	Alice Henshaw	WHITEHALL	Interior	MGP	12.20	9.55	1.00
4/18/2007	Alice Henshaw	WHITEHALL	Interior	MGP	18.20	7.30	1.00
4/18/2007	Alice Henshaw	WHITEHALL	Interior	MGP	21.75	5.80	1.00
4/18/2007	Alice Henshaw	WHITEHALL	Interior	MGP	9.25	5.00	1.00
4/18/2007	Alice Henshaw	WHITEHALL	Interior	MGP	16.10	2.25	1.00
4/18/2007	Alice Henshaw	WHITEHALL	Interior	MGP	10.00	5.05	1.00
4/18/2007	Alice Henshaw	WHITEHALL	Interior	MGP	6.60	1.60	1.00
4/18/2007	Alice Henshaw	WHITEHALL	Interior	MGP	11.10	1.41	1.00
4/18/2007	Alice Henshaw	WHITEHALL	Interior	MGP	10.45	3.65	1.00
4/18/2007	Alice Henshaw	WHITEHALL	Interior	MGP	7.50	4.10	1.00
4/18/2007	Alice Henshaw	WHITEHALL	Interior	MGP	13.25	2.95	1.00
4/18/2007	Alice Henshaw	WHITEHALL	Interior	MGP	15.50	5.83	1.00
4/18/2007	Alice Henshaw	WHITEHALL	Interior	Paper	28.80	0.10	1.00
4/18/2007	Alice Henshaw	WHITEHALL	Interior	Paper	41.55	0.55	1.00
4/18/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.55	3.80	1.00
4/18/2007	Ijahi Terry	WHITEHALL	Interior	Paper	46.75	1.25	1.00
4/18/2007	Ijahi Terry	WHITEHALL	Interior	Paper	19.95	0.45	1.00
4/18/2007	Ijahi Terry	WHITEHALL	Interior	Paper	14.75	0.05	1.00
4/18/2007	Ijahi Terry	WHITEHALL	Interior	Paper	19.65	0.45	1.00
4/18/2007	Ijahi Terry	WHITEHALL	Interior	Paper	20.95	4.05	1.00
4/18/2007	Ijahi Terry	WHITEHALL	Interior	Paper	13.00	0.15	1.00
4/18/2007	Ijahi Terry	WHITEHALL	Interior	Paper	19.35	0.05	1.00
4/18/2007	Matthew Martin	WHITEHALL	Interior	MGP	24.25	11.45	1.00
4/18/2007	Matthew Martin	WHITEHALL	Interior	MGP	11.20	4.35	1.00
4/18/2007	Matthew Martin	WHITEHALL	Interior	MGP	28.20	22.00	1.00
4/18/2007	Matthew Martin	WHITEHALL	Interior	MGP	6.60	2.41	1.00
4/18/2007	Matthew Martin	WHITEHALL	Interior	MGP	21.50	10.70	1.00
4/18/2007	Matthew Martin	WHITEHALL	Interior	MGP	5.40	2.55	1.00
4/18/2007	Matthew Martin	WHITEHALL	Interior	Paper	15.50	0.40	1.00
4/18/2007	Matthew Martin	WHITEHALL	Interior	Paper	21.80	12.95	1.00
4/18/2007	Matthew Martin	WHITEHALL	Interior	Paper	7.70	1.25	1.00
4/18/2007	Matthew Martin	WHITEHALL	Interior	Paper	18.05	0.80	1.00
4/18/2007	Matthew Martin	WHITEHALL	Interior	Paper	18.05	1.35	1.00
4/18/2007	Matthew Martin	WHITEHALL	Interior	Paper	8.95	0.25	1.00
4/18/2007	Matthew Martin	WHITEHALL	Interior	Paper	15.55	0.50	1.00
4/18/2007	Matthew Martin	WHITEHALL	Interior	Paper	51.60	0.00	1.00
4/18/2007	Matthew Martin	WHITEHALL	Interior	Paper	44.75	1.20	1.00
4/18/2007	Matthew Martin	WHITEHALL	Interior	Paper	17.25	1.30	1.00
4/18/2007	Matthew Martin	WHITEHALL	Interior	Paper	12.45	0.80	1.00
4/18/2007	Matthew Martin	WHITEHALL	Interior	Paper	16.05	6.35	1.00
4/18/2007	Matthew Martin	WHITEHALL	Interior	Paper	85.60	0.20	1.00
4/18/2007	Matthew Martin	WHITEHALL	Interior	Paper	33.05	4.00	1.00
4/18/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	10.65	0.20	1.00
4/18/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	23.90	0.55	1.00
4/18/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	14.90	0.65	1.00
4/18/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	14.65	0.15	1.00
4/18/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	25.45	0.20	1.00
4/18/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	38.35	0.15	1.00
5/2/2007	Matthew Martin	CLOVE LAKES	Interior	MGP	4.10	0.60	1.00
5/2/2007	Matthew Martin	CLOVE LAKES	Interior	MGP	8.10	4.45	1.00
5/2/2007	Matthew Martin	CLOVE LAKES	Interior	MGP	2.90	1.25	1.00

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/2/2007	Matthew Martin	CLOVE LAKES	Interior	MGP	7.70	1.45	1.00
5/2/2007	Matthew Martin	CLOVE LAKES	Interior	Paper	7.50	0.75	1.00
5/2/2007	Matthew Martin	CLOVE LAKES	Interior	Paper	7.90	0.25	1.00
5/2/2007	Matthew Martin	CLOVE LAKES	Perimeter	MGP	7.95	1.40	1.00
5/2/2007	Matthew Martin	CLOVE LAKES	Perimeter	MGP	2.80	0.00	1.00
5/2/2007	Matthew Martin	CLOVE LAKES	Perimeter	MGP	6.90	3.25	1.00
5/2/2007	Matthew Martin	CLOVE LAKES	Perimeter	MGP	2.00	0.75	1.00
5/2/2007	Matthew Martin	CLOVE LAKES	Perimeter	MGP	0.90	0.45	1.00
5/2/2007	Matthew Martin	CLOVE LAKES	Perimeter	Paper	14.60	0.10	1.00
5/2/2007	Matthew Martin	CLOVE LAKES	Perimeter	Paper	5.60	0.00	1.00
5/2/2007	Matthew Martin	CLOVE LAKES	Perimeter	Paper	14.35	0.35	1.00
5/2/2007	Matthew Martin	CLOVE LAKES	Perimeter	Paper	7.10	0.00	1.00
5/2/2007	Zach DiStefano	COLUMBUS	Interior	MGP	15.55	9.60	1.00
5/2/2007	Zach DiStefano	COLUMBUS	Interior	MGP	17.25	4.00	1.00
5/2/2007	Zach DiStefano	COLUMBUS	Interior	MGP	33.65	8.85	1.00
5/2/2007	Zach DiStefano	COLUMBUS	Interior	MGP	11.25	4.20	1.00
5/2/2007	Zach DiStefano	COLUMBUS	Interior	MGP	12.05	6.05	1.00
5/2/2007	Zach DiStefano	COLUMBUS	Interior	Paper	23.20	1.30	1.00
5/2/2007	Zach DiStefano	COLUMBUS	Interior	Paper	52.25	0.10	1.00
5/2/2007	Zach DiStefano	COLUMBUS	Interior	Paper	41.85	1.00	1.00
5/2/2007	Zach DiStefano	COLUMBUS	Interior	Paper	8.00	0.25	1.00
5/2/2007	Zach DiStefano	COLUMBUS	Interior	Paper	10.50	1.15	1.00
5/2/2007	Zach DiStefano	COLUMBUS	Interior	Paper	31.65	0.40	1.00
5/2/2007	Zach DiStefano	COLUMBUS	Interior	Paper	32.90	1.55	1.00
5/2/2007	Zach DiStefano	COLUMBUS	Interior	Paper	20.10	2.30	1.00
5/2/2007	Zach DiStefano	COLUMBUS	Interior	Paper	18.05	0.00	1.00
5/2/2007	Zach DiStefano	COLUMBUS	Perimeter	MGP	17.90	14.15	1.00
5/2/2007	Zach DiStefano	COLUMBUS	Perimeter	MGP	14.70	2.25	1.00
5/2/2007	Zach DiStefano	COLUMBUS	Perimeter	MGP	11.05	2.70	1.00
5/2/2007	Zach DiStefano	COLUMBUS	Perimeter	Paper	7.85	0.45	1.00
5/2/2007	Zach DiStefano	COLUMBUS	Perimeter	Paper	3.40	0.05	1.00
5/2/2007	Zach DiStefano	COLUMBUS	Perimeter	Paper	16.55	0.55	1.00
5/2/2007	Zach DiStefano	COLUMBUS	Perimeter	Paper	6.55	0.55	1.00
5/2/2007	Matthew Martin	HOFFMAN	Interior	MGP	8.85	3.25	1.00
5/2/2007	Matthew Martin	HOFFMAN	Interior	MGP	9.65	6.15	1.00
5/2/2007	Matthew Martin	HOFFMAN	Interior	MGP	2.05	0.85	1.00
5/2/2007	Matthew Martin	HOFFMAN	Interior	Paper	6.10	0.70	1.00
5/2/2007	Matthew Martin	HOFFMAN	Interior	Paper	12.55	5.60	1.00
5/2/2007	Matthew Martin	HOFFMAN	Perimeter	MGP	17.30	9.65	1.00
5/2/2007	Matthew Martin	HOFFMAN	Perimeter	MGP	10.27	8.10	1.00
5/2/2007	Matthew Martin	HOFFMAN	Perimeter	MGP	13.60	4.70	1.00
5/2/2007	Matthew Martin	HOFFMAN	Perimeter	MGP	8.50	2.95	1.00
5/2/2007	Matthew Martin	HOFFMAN	Perimeter	MGP	13.00	7.30	1.00
5/2/2007	Matthew Martin	HOFFMAN	Perimeter	MGP	21.15	10.00	1.00
5/2/2007	Matthew Martin	HOFFMAN	Perimeter	MGP	13.70	4.45	1.00
5/2/2007	Matthew Martin	HOFFMAN	Perimeter	Paper	24.25	6.85	1.00
5/2/2007	Matthew Martin	HOFFMAN	Perimeter	Paper	23.66	1.75	1.00
5/2/2007	Matthew Martin	HOFFMAN	Perimeter	Paper	12.30	2.60	1.00
5/2/2007	Matthew Martin	HOFFMAN	Perimeter	Paper	33.35	7.15	1.00
5/2/2007	Zach DiStefano	POE	Interior	MGP	8.75	3.50	1.00
5/2/2007	Zach DiStefano	POE	Interior	MGP	5.55	3.25	1.00
5/2/2007	Zach DiStefano	POE	Interior	Paper	6.10	1.90	1.00
5/2/2007	Zach DiStefano	POE	Interior	Paper	6.30	3.25	1.00
5/2/2007	Zach DiStefano	POE	Perimeter	MGP	11.40	5.00	1.00

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/2/2007	Zach DiStefano	POE	Perimeter	MGP	7.15	3.45	1.00
5/2/2007	Zach DiStefano	POE	Perimeter	MGP	9.80	5.90	1.00
5/2/2007	Zach DiStefano	POE	Perimeter	MGP	8.50	5.40	1.00
5/2/2007	Zach DiStefano	POE	Perimeter	MGP	0.80	0.05	1.00
5/2/2007	Zach DiStefano	POE	Perimeter	MGP	10.20	3.45	1.00
5/2/2007	Zach DiStefano	POE	Perimeter	Paper	10.00	2.30	1.00
5/2/2007	Zach DiStefano	POE	Perimeter	Paper	6.60	1.00	1.00
5/2/2007	Zach DiStefano	POE	Perimeter	Paper	5.45	0.15	1.00
5/2/2007	Zach DiStefano	POE	Perimeter	Paper	6.50	1.75	1.00
5/2/2007	Zach DiStefano	POE	Perimeter	Paper	3.25	1.80	1.00
5/2/2007	Zach DiStefano	POE	Perimeter	Paper	5.00	0.95	1.00
5/2/2007	Ijahi Terry	ST GEORGE	Interior	MGP	18.95	5.95	1.00
5/2/2007	Ijahi Terry	ST GEORGE	Interior	MGP	30.10	13.10	1.00
5/2/2007	Ijahi Terry	ST GEORGE	Interior	MGP	8.70	1.35	1.00
5/2/2007	Ijahi Terry	ST GEORGE	Interior	MGP	20.25	5.85	1.00
5/2/2007	Ijahi Terry	ST GEORGE	Interior	MGP	22.70	7.10	1.00
5/2/2007	Ijahi Terry	ST GEORGE	Interior	MGP	15.95	4.15	1.00
5/2/2007	Ijahi Terry	ST GEORGE	Interior	MGP	30.45	10.90	1.00
5/2/2007	Ijahi Terry	ST GEORGE	Interior	MGP	25.80	5.85	1.00
5/2/2007	Ijahi Terry	ST GEORGE	Interior	Paper	45.00	0.45	1.00
5/2/2007	Ijahi Terry	ST GEORGE	Interior	Paper	42.30	1.10	1.00
5/2/2007	Ijahi Terry	ST GEORGE	Interior	Paper	38.60	3.30	1.00
5/2/2007	Ijahi Terry	ST GEORGE	Interior	Paper	43.05	0.60	1.00
5/2/2007	Ijahi Terry	ST GEORGE	Interior	Paper	48.90	2.75	1.00
5/2/2007	Ijahi Terry	ST GEORGE	Interior	Paper	59.10	0.00	1.00
5/2/2007	Ijahi Terry	ST GEORGE	Interior	Paper	41.80	1.35	1.00
5/2/2007	Ijahi Terry	ST GEORGE	Interior	Paper	199.60	1.35	1.00
5/2/2007	Ijahi Terry	TAPPEN	Interior	MGP	5.95	3.00	1.00
5/2/2007	Ijahi Terry	TAPPEN	Interior	MGP	14.35	6.00	1.00
5/2/2007	Ijahi Terry	TAPPEN	Interior	Paper	9.75	0.05	1.00
5/2/2007	Ijahi Terry	TAPPEN	Interior	Paper	8.85	0.15	1.00
5/2/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	4.75	0.85	1.00
5/2/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	11.45	2.55	1.00
5/2/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	5.60	3.65	1.00
5/2/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	14.85	8.85	1.00
5/2/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	7.65	3.65	1.00
5/2/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	13.90	5.70	1.00
5/2/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	24.65	0.15	1.00
5/2/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	5.10	0.90	1.00
5/2/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	6.35	0.10	1.00
5/2/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	17.60	0.80	1.00
5/2/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	4.65	1.60	1.00
5/2/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	29.10	7.60	1.00
5/2/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	6.15	2.35	1.00
5/2/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	13.20	3.15	1.00
5/2/2007	Zach DiStefano	UNION SQUARE	Interior	Paper	24.45	1.15	1.00
5/2/2007	Zach DiStefano	UNION SQUARE	Interior	Paper	20.80	0.65	1.00
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	14.00	7.65	1.00
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	10.80	1.75	1.00
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	25.10	5.05	1.00
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	17.95	1.40	1.00
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	13.25	4.50	1.00
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	14.05	2.25	1.00
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	6.05	0.30	1.00

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	15.00	1.45	1.00
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	7.45	2.20	1.00
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	16.30	1.80	1.00
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	10.10	5.05	1.00
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	6.85	0.50	1.00
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	11.25	0.60	1.00
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	12.10	0.65	1.00
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	9.80	5.10	1.00
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	3.50	0.40	1.00
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	16.90	9.80	1.00
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	16.15	4.50	1.00
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	7.40	1.65	1.00
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	22.80	4.95	1.00
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	18.05	2.50	1.00
5/2/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	23.65	11.75	1.00
5/2/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	20.50	2.05	1.00
5/2/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	2.05	0.05	1.00
5/2/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	4.25	0.45	1.00
5/2/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	28.90	0.30	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	13.55	9.75	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	16.80	9.35	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	12.60	4.25	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	10.60	5.60	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	7.50	4.10	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	5.70	2.10	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	12.25	6.20	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	9.40	1.85	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	8.95	4.25	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	4.53	1.75	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	9.85	3.45	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	5.80	1.55	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	16.05	8.70	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	6.25	3.00	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	6.05	1.50	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	13.70	4.40	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	5.35	2.90	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	22.75	2.70	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	12.05	2.75	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	8.05	2.20	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	6.45	3.60	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	6.00	4.20	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	11.05	4.50	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	5.65	1.25	1.00
5/2/2007	Matthew Martin	WHITEHALL	Interior	MGP	1.00	0.55	1.00
5/2/2007	Melissa Hamilton	WHITEHALL	Interior	MGP	23.10	2.80	1.00
5/2/2007	Melissa Hamilton	WHITEHALL	Interior	MGP	9.05	6.25	1.00
5/2/2007	Melissa Hamilton	WHITEHALL	Interior	MGP	9.40	4.25	1.00
5/2/2007	Melissa Hamilton	WHITEHALL	Interior	MGP	12.50	4.30	1.00
5/2/2007	Melissa Hamilton	WHITEHALL	Interior	MGP	11.50	1.20	1.00
5/2/2007	Melissa Hamilton	WHITEHALL	Interior	MGP	10.90	7.85	1.00
5/2/2007	Melissa Hamilton	WHITEHALL	Interior	MGP	9.40	3.20	1.00
5/2/2007	Melissa Hamilton	WHITEHALL	Interior	MGP	10.05	4.85	1.00
5/2/2007	Melissa Hamilton	WHITEHALL	Interior	MGP	8.00	2.70	1.00
5/2/2007	Melissa Hamilton	WHITEHALL	Interior	MGP	9.75	3.50	1.00

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/2/2007	Melissa Hamilton	WHITEHALL	Interior	MGP	23.40	11.00	1.00
5/2/2007	Melissa Hamilton	WHITEHALL	Interior	MGP	3.20	1.60	1.00
5/2/2007	Melissa Hamilton	WHITEHALL	Interior	MGP	8.05	4.15	1.00
5/2/2007	Melissa Hamilton	WHITEHALL	Interior	MGP	7.15	1.30	1.00
5/2/2007	Melissa Hamilton	WHITEHALL	Interior	MGP	11.25	3.20	1.00
5/2/2007	Melissa Hamilton	WHITEHALL	Interior	MGP	16.80	7.30	1.00
5/2/2007	Melissa Hamilton	WHITEHALL	Interior	MGP	5.15	1.85	1.00
5/2/2007	Melissa Hamilton	WHITEHALL	Interior	MGP	22.40	6.60	1.00
5/2/2007	Zach DiStefano	WHITEHALL	Interior	Paper	52.55	0.75	1.00
5/2/2007	Zach DiStefano	WHITEHALL	Interior	Paper	15.20	0.30	1.00
5/2/2007	Zach DiStefano	WHITEHALL	Interior	Paper	18.30	1.00	1.00
5/2/2007	Zach DiStefano	WHITEHALL	Interior	Paper	22.10	0.30	1.00
5/2/2007	Zach DiStefano	WHITEHALL	Interior	Paper	5.75	0.40	1.00
5/9/2007	Matthew Martin	CLOVE LAKES	Interior	MGP	2.55	1.05	1.33
5/9/2007	Matthew Martin	CLOVE LAKES	Interior	MGP	2.75	0.50	1.33
5/9/2007	Matthew Martin	CLOVE LAKES	Interior	MGP	5.95	2.30	1.33
5/9/2007	Matthew Martin	CLOVE LAKES	Interior	MGP	5.70		1.33
5/9/2007	Matthew Martin	CLOVE LAKES	Interior	Paper	15.90	1.10	2.00
5/9/2007	Matthew Martin	CLOVE LAKES	Interior	Paper	22.75	0.00	2.00
5/9/2007	Matthew Martin	CLOVE LAKES	Interior	Paper	1.50		2.00
5/9/2007	Matthew Martin	CLOVE LAKES	Interior	Paper	3.95		2.00
5/9/2007	Matthew Martin	CLOVE LAKES	Perimeter	Paper	3.05	0.55	1.00
5/9/2007	Matthew Papula	COLUMBUS	Interior	MGP	5.80	2.95	1.60
5/9/2007	Matthew Papula	COLUMBUS	Interior	MGP	7.55	0.35	1.60
5/9/2007	Matthew Papula	COLUMBUS	Interior	MGP	10.55	8.00	1.60
5/9/2007	Matthew Papula	COLUMBUS	Interior	MGP	8.95	3.85	1.60
5/9/2007	Matthew Papula	COLUMBUS	Interior	MGP	12.95		1.60
5/9/2007	Matthew Papula	COLUMBUS	Interior	MGP	4.10		1.60
5/9/2007	Matthew Papula	COLUMBUS	Interior	MGP	5.30		1.60
5/9/2007	Matthew Papula	COLUMBUS	Interior	Paper	2.30	0.55	1.50
5/9/2007	Matthew Papula	COLUMBUS	Interior	Paper	18.65	0.25	1.50
5/9/2007	Matthew Papula	COLUMBUS	Interior	Paper	14.00	2.40	1.50
5/9/2007	Matthew Papula	COLUMBUS	Interior	Paper	2.90	0.25	1.50
5/9/2007	Matthew Papula	COLUMBUS	Interior	Paper	23.95	1.65	1.50
5/9/2007	Matthew Papula	COLUMBUS	Interior	Paper	26.20	0.25	1.50
5/9/2007	Matthew Papula	COLUMBUS	Interior	Paper	3.40		1.50
5/9/2007	Matthew Papula	COLUMBUS	Interior	Paper	49.10		1.50
5/9/2007	Matthew Papula	COLUMBUS	Interior	Paper	4.40		1.50
5/9/2007	Matthew Martin	COLUMBUS	Perimeter	Paper	8.45	0.45	2.29
5/9/2007	Matthew Martin	COLUMBUS	Perimeter	Paper	8.60	0.00	2.29
5/9/2007	Matthew Martin	COLUMBUS	Perimeter	Paper	29.60	1.55	2.29
5/9/2007	Matthew Martin	COLUMBUS	Perimeter	Paper	29.35	0.00	2.29
5/9/2007	Matthew Martin	COLUMBUS	Perimeter	Paper	16.40	0.35	2.29
5/9/2007	Matthew Martin	COLUMBUS	Perimeter	Paper	12.55	0.00	2.29
5/9/2007	Matthew Martin	COLUMBUS	Perimeter	Paper	11.75	0.00	2.29
5/9/2007	Matthew Martin	COLUMBUS	Perimeter	Paper	22.20		2.29
5/9/2007	Matthew Martin	COLUMBUS	Perimeter	Paper	15.50		2.29
5/9/2007	Matthew Martin	COLUMBUS	Perimeter	Paper	8.10		2.29
5/9/2007	Matthew Martin	COLUMBUS	Perimeter	Paper	17.05		2.29
5/9/2007	Matthew Martin	COLUMBUS	Perimeter	Paper	32.55		2.29
5/9/2007	Matthew Martin	COLUMBUS	Perimeter	Paper	23.10		2.29
5/9/2007	Matthew Martin	COLUMBUS	Perimeter	Paper	6.15		2.29
5/9/2007	Matthew Martin	COLUMBUS	Perimeter	Paper	13.40		2.29
5/9/2007	Matthew Martin	COLUMBUS	Perimeter	Paper	2.25		2.29

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/9/2007	Matthew Papula	COLUMBUS	Perimeter	MGP	11.35	3.15	1.86
5/9/2007	Matthew Papula	COLUMBUS	Perimeter	MGP	6.10	3.88	1.86
5/9/2007	Matthew Papula	COLUMBUS	Perimeter	MGP	6.60	2.65	1.86
5/9/2007	Matthew Papula	COLUMBUS	Perimeter	MGP	21.45	14.85	1.86
5/9/2007	Matthew Papula	COLUMBUS	Perimeter	MGP	10.45	5.60	1.86
5/9/2007	Matthew Papula	COLUMBUS	Perimeter	MGP	5.25	2.10	1.86
5/9/2007	Matthew Papula	COLUMBUS	Perimeter	MGP	11.60	8.85	1.86
5/9/2007	Matthew Papula	COLUMBUS	Perimeter	MGP	5.55		1.86
5/9/2007	Matthew Papula	COLUMBUS	Perimeter	MGP	6.60		1.86
5/9/2007	Matthew Papula	COLUMBUS	Perimeter	MGP	8.80		1.86
5/9/2007	Matthew Papula	COLUMBUS	Perimeter	MGP	11.20		1.86
5/9/2007	Matthew Papula	COLUMBUS	Perimeter	MGP	4.35		1.86
5/9/2007	Matthew Papula	COLUMBUS	Perimeter	MGP	8.05		1.86
5/9/2007	Matthew Martin	HOFFMAN	Interior	MGP	10.05	1.40	1.00
5/9/2007	Matthew Martin	HOFFMAN	Interior	MGP	2.80	0.50	1.00
5/9/2007	Matthew Martin	HOFFMAN	Interior	Paper	3.85	1.60	1.00
5/9/2007	Matthew Martin	HOFFMAN	Interior	Paper	2.60	0.50	1.00
5/9/2007	Matthew Martin	HOFFMAN	Perimeter	MGP	13.00	2.75	1.00
5/9/2007	Matthew Martin	HOFFMAN	Perimeter	MGP	6.15	2.65	1.00
5/9/2007	Matthew Martin	HOFFMAN	Perimeter	MGP	7.60	2.35	1.00
5/9/2007	Matthew Martin	HOFFMAN	Perimeter	MGP	12.20	5.15	1.00
5/9/2007	Matthew Martin	HOFFMAN	Perimeter	MGP	8.95	4.30	1.00
5/9/2007	Matthew Martin	HOFFMAN	Perimeter	MGP	5.85	3.15	1.00
5/9/2007	Matthew Martin	HOFFMAN	Perimeter	Paper	12.55	0.55	1.20
5/9/2007	Matthew Martin	HOFFMAN	Perimeter	Paper	22.40	3.20	1.20
5/9/2007	Matthew Martin	HOFFMAN	Perimeter	Paper	2.80	0.00	1.20
5/9/2007	Matthew Martin	HOFFMAN	Perimeter	Paper	15.70	2.55	1.20
5/9/2007	Matthew Martin	HOFFMAN	Perimeter	Paper	4.50	0.85	1.20
5/9/2007	Matthew Martin	HOFFMAN	Perimeter	Paper	16.35		1.20
5/9/2007	Matthew Papula	POE	Interior	MGP	9.35	3.95	1.00
5/9/2007	Matthew Papula	POE	Interior	Paper	6.95	4.70	1.00
5/9/2007	Matthew Papula	POE	Interior	Paper	9.15	0.45	1.00
5/9/2007	Matthew Papula	POE	Perimeter	MGP	3.05	1.00	1.17
5/9/2007	Matthew Papula	POE	Perimeter	MGP	10.55	6.00	1.17
5/9/2007	Matthew Papula	POE	Perimeter	MGP	6.70	1.85	1.17
5/9/2007	Matthew Papula	POE	Perimeter	MGP	11.00	5.00	1.17
5/9/2007	Matthew Papula	POE	Perimeter	MGP	7.70	3.60	1.17
5/9/2007	Matthew Papula	POE	Perimeter	MGP	6.85	4.15	1.17
5/9/2007	Matthew Papula	POE	Perimeter	MGP	15.00		1.17
5/9/2007	Matthew Papula	POE	Perimeter	Paper	16.30	1.05	1.00
5/9/2007	Matthew Papula	POE	Perimeter	Paper	0.55	0.35	1.00
5/9/2007	Matthew Papula	POE	Perimeter	Paper	18.45	0.75	1.00
5/9/2007	Matthew Papula	POE	Perimeter	Paper	1.30	0.05	1.00
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	5.45	2.15	2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	5.10	1.95	2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	9.95	2.50	2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	7.50	2.90	2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	11.75	3.95	2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	13.60	3.10	2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	7.85	7.50	2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	9.05	3.75	2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	10.60	4.15	2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	9.10	3.30	2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	11.70		2.40

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	14.60		2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	15.35		2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	28.55		2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	8.70		2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	13.30		2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	9.10		2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	15.30		2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	9.80		2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	14.95		2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	9.60		2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	5.90		2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	15.45		2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	MGP	13.00		2.40
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	47.75	1.60	2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	15.90	0.05	2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	12.15	0.20	2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	4.55	0.80	2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	20.05	0.40	2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	25.20	0.80	2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	15.25	0.20	2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	15.25	0.00	2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	19.05	2.65	2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	13.65	0.25	2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	9.20	0.10	2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	12.90		2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	26.65		2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	18.70		2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	17.80		2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	19.00		2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	58.00		2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	28.95		2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	28.70		2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	32.80		2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	19.50		2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	19.55		2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	17.60		2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	5.10		2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	10.20		2.36
5/9/2007	Ijahi Terry	ST GEORGE	Interior	Paper	54.80		2.36
5/9/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	16.05	4.01	1.00
5/9/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	7.85	3.55	1.00
5/9/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	13.05	5.27	1.00
5/9/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	8.30	1.63	1.00
5/9/2007	Zach DiStefano	UNION SQUARE	Interior	Paper	8.40	0.05	1.25
5/9/2007	Zach DiStefano	UNION SQUARE	Interior	Paper	11.20	0.35	1.25
5/9/2007	Zach DiStefano	UNION SQUARE	Interior	Paper	22.10	0.45	1.25
5/9/2007	Zach DiStefano	UNION SQUARE	Interior	Paper	19.55	0.05	1.25
5/9/2007	Zach DiStefano	UNION SQUARE	Interior	Paper	14.40		1.25
5/9/2007	Matthew Papula	UNION SQUARE	Perimeter	MGP	21.75	2.69	1.55
5/9/2007	Matthew Papula	UNION SQUARE	Perimeter	MGP	16.70	3.10	1.55
5/9/2007	Matthew Papula	UNION SQUARE	Perimeter	MGP	6.90	1.75	1.55
5/9/2007	Matthew Papula	UNION SQUARE	Perimeter	MGP	14.75	5.05	1.55
5/9/2007	Matthew Papula	UNION SQUARE	Perimeter	MGP	15.05	2.74	1.55
5/9/2007	Matthew Papula	UNION SQUARE	Perimeter	MGP	8.40	3.30	1.55

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/9/2007	Matthew Papula	UNION SQUARE	Perimeter	MGP	15.30	5.70	1.55
5/9/2007	Matthew Papula	UNION SQUARE	Perimeter	MGP	16.30	6.95	1.55
5/9/2007	Matthew Papula	UNION SQUARE	Perimeter	MGP	16.85	6.00	1.55
5/9/2007	Matthew Papula	UNION SQUARE	Perimeter	MGP	14.65	4.00	1.55
5/9/2007	Matthew Papula	UNION SQUARE	Perimeter	MGP	7.85		1.55
5/9/2007	Matthew Papula	UNION SQUARE	Perimeter	MGP	15.10		1.55
5/9/2007	Matthew Papula	UNION SQUARE	Perimeter	MGP	20.15		1.55
5/9/2007	Matthew Papula	UNION SQUARE	Perimeter	MGP	6.85		1.55
5/9/2007	Matthew Papula	UNION SQUARE	Perimeter	MGP	21.90		1.55
5/9/2007	Matthew Papula	UNION SQUARE	Perimeter	MGP	22.10		1.55
5/9/2007	Matthew Papula	UNION SQUARE	Perimeter	MGP	14.40		1.55
5/9/2007	Matthew Papula	UNION SQUARE	Perimeter	MGP	13.90		1.55
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	22.95	8.03	1.55
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	16.65	8.60	1.55
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	23.40	2.13	1.55
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	29.15	12.10	1.55
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	22.80	10.55	1.55
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	8.60	1.26	1.55
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	8.85	2.69	1.55
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	15.65	3.30	1.55
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	8.60	1.55	1.55
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	10.10	0.91	1.55
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	8.15	0.51	1.55
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	13.30	3.50	1.55
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	15.80		1.55
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	10.90		1.55
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	16.10		1.55
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	6.75		1.55
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	17.85	0.30	1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	19.40	0.40	1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	12.80	1.00	1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	23.55	0.05	1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	10.25	0.20	1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	11.85	0.55	1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	9.25	1.35	1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	14.05	0.55	1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	16.80	0.30	1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	4.50	3.85	1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	12.65	0.40	1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	15.70	1.10	1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	1.55	1.50	1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	2.80	2.70	1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	22.45	0.60	1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	4.55	3.70	1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	19.90	0.15	1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	24.55	0.45	1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	8.65	0.10	1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	27.85	0.00	1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	19.75	2.65	1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	53.95		1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	11.80		1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	19.15		1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	18.25		1.41

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	1.25		1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	32.25		1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	21.10		1.41
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	42.00		1.41
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	10.70	1.10	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	5.90	3.45	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	5.90	1.10	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	16.70	7.20	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.90	8.80	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.55	5.65	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	16.00	6.45	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	8.00	1.90	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	14.35	2.80	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.85	6.60	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	7.70	1.00	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	6.05	2.40	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.55	4.30	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	4.00	2.50	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	6.15	3.05	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.90	3.15	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	6.40	3.85	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	18.40	12.35	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	5.55	2.75	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	4.55	1.70	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.60	3.05	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	MGP	13.85	5.95	1.29
5/9/2007	Ijahi Terry	WHITEHALL	Interior	Paper	17.45	1.45	1.75
5/9/2007	Ijahi Terry	WHITEHALL	Interior	Paper	10.10	0.65	1.75
5/9/2007	Ijahi Terry	WHITEHALL	Interior	Paper	16.10	0.05	1.75
5/9/2007	Ijahi Terry	WHITEHALL	Interior	Paper	5.25	4.60	1.75
5/9/2007	Ijahi Terry	WHITEHALL	Interior	Paper	11.15	0.05	1.75
5/9/2007	Ijahi Terry	WHITEHALL	Interior	Paper	17.85	0.70	1.75
5/9/2007	Ijahi Terry/M	WHITEHALL	Interior	MGP	19.00		1.29
5/9/2007	Ijahi Terry/M	WHITEHALL	Interior	MGP	12.00		1.29
5/9/2007	Ijahi Terry/M	WHITEHALL	Interior	MGP	18.40		1.29
5/9/2007	Ijahi Terry/M	WHITEHALL	Interior	MGP	17.65		1.29
5/9/2007	Ijahi Terry/M	WHITEHALL	Interior	MGP	4.90		1.29
5/9/2007	Ijahi Terry/M	WHITEHALL	Interior	MGP	15.35		1.29
5/9/2007	Ijahi Terry/M	WHITEHALL	Interior	MGP	14.90		1.29
5/9/2007	Ijahi Terry/M	WHITEHALL	Interior	MGP	21.85		1.29
5/9/2007	Ijahi Terry/M	WHITEHALL	Interior	MGP	9.45		1.29
5/9/2007	Ijahi Terry/M	WHITEHALL	Interior	MGP	15.35		1.29
5/9/2007	Ijahi Terry/M	WHITEHALL	Interior	MGP	11.25		1.29
5/9/2007	Matthew Martin	WHITEHALL	Interior	MGP	10.25	5.85	1.29
5/9/2007	Matthew Martin	WHITEHALL	Interior	MGP	10.60	4.54	1.29
5/9/2007	Matthew Martin	WHITEHALL	Interior	MGP	14.60	1.40	1.29
5/9/2007	Matthew Martin	WHITEHALL	Interior	MGP	3.90	1.95	1.29
5/9/2007	Matthew Martin	WHITEHALL	Interior	MGP	7.95	2.16	1.29
5/9/2007	Matthew Martin	WHITEHALL	Interior	MGP	7.45	4.50	1.29
5/9/2007	Matthew Martin	WHITEHALL	Interior	MGP	3.90	2.30	1.29
5/9/2007	Matthew Martin	WHITEHALL	Interior	MGP	11.95	3.85	1.29
5/9/2007	Matthew Martin	WHITEHALL	Interior	MGP	9.95	3.90	1.29
5/9/2007	Matthew Martin	WHITEHALL	Interior	MGP	17.40	4.15	1.29
5/9/2007	Matthew Martin	WHITEHALL	Interior	MGP	12.25	7.65	1.29

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/9/2007	Matthew Martin	WHITEHALL	Interior	MGP	12.35	3.15	1.29
5/9/2007	Matthew Martin	WHITEHALL	Interior	MGP	8.95	2.55	1.29
5/9/2007	Matthew Martin	WHITEHALL	Interior	MGP	9.07	2.85	1.29
5/9/2007	Matthew Martin	WHITEHALL	Interior	MGP	7.10	4.20	1.29
5/9/2007	Matthew Martin	WHITEHALL	Interior	MGP	7.45	1.80	1.29
5/9/2007	Matthew Martin	WHITEHALL	Interior	Paper	7.75	0.25	1.75
5/9/2007	Matthew Martin	WHITEHALL	Interior	Paper	21.90	0.45	1.75
5/9/2007	Matthew Martin	WHITEHALL	Interior	Paper	2.80	1.20	1.75
5/9/2007	Matthew Martin	WHITEHALL	Interior	Paper	11.70	0.10	1.75
5/9/2007	Matthew Martin	WHITEHALL	Interior	Paper	16.70	0.00	1.75
5/9/2007	Matthew Martin	WHITEHALL	Interior	Paper	21.00	0.20	1.75
5/9/2007	Matthew Martin	WHITEHALL	Interior	Paper	3.95	1.35	1.75
5/9/2007	Matthew Papula	WHITEHALL	Interior	Paper	19.55	0.40	1.75
5/9/2007	Matthew Papula	WHITEHALL	Interior	Paper	20.35	0.25	1.75
5/9/2007	Matthew Papula	WHITEHALL	Interior	Paper	9.30	0.00	1.75
5/9/2007	Matthew Papula	WHITEHALL	Interior	Paper	5.70	4.40	1.75
5/9/2007	Matthew Papula	WHITEHALL	Interior	Paper	22.70	0.15	1.75
5/9/2007	Matthew Papula	WHITEHALL	Interior	Paper	1.90	0.05	1.75
5/9/2007	Matthew Papula	WHITEHALL	Interior	Paper	5.95	0.25	1.75
5/9/2007	Matthew Papula	WHITEHALL	Interior	Paper	7.30	0.10	1.75
5/9/2007	Matthew Papula	WHITEHALL	Interior	Paper	17.90	0.60	1.75
5/9/2007	Matthew Papula	WHITEHALL	Interior	Paper	7.95	0.05	1.75
5/9/2007	Matthew Papula	WHITEHALL	Interior	Paper	6.25	6.10	1.75
5/9/2007	Matthew Papula	WHITEHALL	Interior	Paper	24.15	0.00	1.75
5/9/2007	Matthew Papula	WHITEHALL	Interior	Paper	13.15	0.20	1.75
5/9/2007	Matthew Papula	WHITEHALL	Interior	Paper	14.75	3.30	1.75
5/9/2007	Matthew Papula	WHITEHALL	Interior	Paper	23.85	0.45	1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	3.15	0.05	1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	26.35	0.00	1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	7.95	0.25	1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	10.40	0.25	1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	1.40	0.75	1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	3.25	0.20	1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	17.15	16.55	1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	13.65	0.35	1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	23.00	0.50	1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	5.85	5.75	1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	2.95	2.60	1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	10.40	6.30	1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	14.50	0.10	1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	11.90	0.45	1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	10.60	0.90	1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	16.00		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	1.05		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	53.75		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	47.90		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	10.20		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	2.50		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	2.60		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	38.20		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	30.50		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	2.40		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	0.85		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	9.75		1.75

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	19.35		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	0.90		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	18.15		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	1.40		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	6.00		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	7.50		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	8.65		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	9.15		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	47.75		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	5.15		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	57.65		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	23.05		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	10.00		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	24.05		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	6.55		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	4.05		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	3.65		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	28.75		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	30.00		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	0.90		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	2.25		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	18.80		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	9.65		1.75
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	7.75		1.75
5/16/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	12.15	5.50	1.00
5/16/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	5.50	3.35	1.00
5/16/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	5.25	1.40	1.00
5/16/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	2.25	0.10	2.00
5/16/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	5.70	0.00	2.00
5/16/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	3.45		2.00
5/16/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	1.80		2.00
5/16/2007	Zach DiStefano	CLOVE LAKES	Perimeter	MGP	12.60	4.99	1.00
5/16/2007	Zach DiStefano	CLOVE LAKES	Perimeter	MGP	1.85	1.75	1.00
5/16/2007	Zach DiStefano	CLOVE LAKES	Perimeter	Paper	24.65	0.00	1.00
5/16/2007	Zach DiStefano	CLOVE LAKES	Perimeter	Paper	32.20	0.25	1.00
5/16/2007	Alice Henshaw	COLUMBUS	Interior	MGP	23.35	5.65	1.75
5/16/2007	Alice Henshaw	COLUMBUS	Interior	MGP	7.20	0.75	1.75
5/16/2007	Alice Henshaw	COLUMBUS	Interior	MGP	9.85	5.70	1.75
5/16/2007	Alice Henshaw	COLUMBUS	Interior	MGP	5.60	1.05	1.75
5/16/2007	Alice Henshaw	COLUMBUS	Interior	MGP	7.45		1.75
5/16/2007	Alice Henshaw	COLUMBUS	Interior	MGP	11.00		1.75
5/16/2007	Alice Henshaw	COLUMBUS	Interior	MGP	8.85		1.75
5/16/2007	Alice Henshaw	COLUMBUS	Interior	Paper	4.15	0.15	1.33
5/16/2007	Alice Henshaw	COLUMBUS	Interior	Paper	7.25	0.00	1.33
5/16/2007	Alice Henshaw	COLUMBUS	Interior	Paper	21.55	0.10	1.33
5/16/2007	Alice Henshaw	COLUMBUS	Interior	Paper	5.05	1.65	1.33
5/16/2007	Alice Henshaw	COLUMBUS	Interior	Paper	3.70	0.00	1.33
5/16/2007	Alice Henshaw	COLUMBUS	Interior	Paper	25.20	0.35	1.33
5/16/2007	Alice Henshaw	COLUMBUS	Interior	Paper	8.05		1.33
5/16/2007	Alice Henshaw	COLUMBUS	Interior	Paper	6.55		1.33
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	15.00	2.80	1.14
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	10.40	5.10	1.14
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	7.40	2.95	1.14
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	5.40	1.85	1.14

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	3.60	1.20	1.14
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	13.10	5.15	1.14
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	6.05	1.50	1.14
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	6.60		1.14
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	10.35	0.26	1.88
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	40.85	0.20	1.88
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	12.15	0.20	1.88
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	10.45	0.00	1.88
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	3.70	0.00	1.88
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	19.70	0.85	1.88
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	9.20	1.35	1.88
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	10.55	0.70	1.88
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	5.45		1.88
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	11.75		1.88
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	14.20		1.88
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	23.35		1.88
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	6.00		1.88
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	17.95		1.88
5/16/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	16.85		1.88
5/16/2007	Zach DiStefano	HOFFMAN	Interior	MGP	4.90	2.30	2.00
5/16/2007	Zach DiStefano	HOFFMAN	Interior	MGP	5.60		2.00
5/16/2007	Zach DiStefano	HOFFMAN	Interior	Paper	4.25	1.60	1.00
5/16/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	5.80	4.05	1.20
5/16/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	16.75	8.70	1.20
5/16/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	9.55	2.80	1.20
5/16/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	4.65	2.20	1.20
5/16/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	13.25	4.70	1.20
5/16/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	18.55		1.20
5/16/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	10.60	0.85	1.40
5/16/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	27.15	2.00	1.40
5/16/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	4.90	3.80	1.40
5/16/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	12.50	0.15	1.40
5/16/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	16.90	0.70	1.40
5/16/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	32.70		1.40
5/16/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	15.05		1.40
5/16/2007	Alice Henshaw	POE	Interior	MGP	11.30	5.95	1.00
5/16/2007	Alice Henshaw	POE	Interior	MGP	10.35	4.80	1.00
5/16/2007	Alice Henshaw	POE	Interior	Paper	4.60	1.80	1.00
5/16/2007	Alice Henshaw	POE	Interior	Paper	5.25	1.85	1.00
5/16/2007	Alice Henshaw	POE	Perimeter	MGP	10.75	7.05	1.60
5/16/2007	Alice Henshaw	POE	Perimeter	MGP	32.05	20.15	1.60
5/16/2007	Alice Henshaw	POE	Perimeter	MGP	10.35	9.70	1.60
5/16/2007	Alice Henshaw	POE	Perimeter	MGP	6.65	4.50	1.60
5/16/2007	Alice Henshaw	POE	Perimeter	MGP	3.05	2.45	1.60
5/16/2007	Alice Henshaw	POE	Perimeter	MGP	11.80		1.60
5/16/2007	Alice Henshaw	POE	Perimeter	MGP	8.75		1.60
5/16/2007	Alice Henshaw	POE	Perimeter	MGP	11.45		1.60
5/16/2007	Alice Henshaw	POE	Perimeter	Paper	8.85	2.35	1.00
5/16/2007	Alice Henshaw	POE	Perimeter	Paper	5.50	1.15	1.00
5/16/2007	Alice Henshaw	POE	Perimeter	Paper	5.95	0.15	1.00
5/16/2007	Alice Henshaw	POE	Perimeter	Paper	2.60	0.45	1.00
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	12.15	5.75	1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	17.85	12.01	1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	3.60	0.65	1.33

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	11.30	7.09	1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	8.05	2.70	1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	6.90	5.32	1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	7.15	2.55	1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	7.35	2.35	1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	10.50	7.67	1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	11.55	4.50	1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	13.40	2.05	1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	8.25	2.25	1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	11.10	7.36	1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	8.60	1.80	1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	23.15	8.30	1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	5.80	2.20	1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	9.65	2.55	1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	11.40	2.45	1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	13.90		1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	19.20		1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	11.35		1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	4.30		1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	6.10		1.33
5/16/2007	Ijahi Terry	ST GEORGE	Interior	MGP	10.90		1.33
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	24.50	0.10	1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	23.05	0.10	1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	27.85	0.05	1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	8.10	0.20	1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	22.10	0.00	1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	14.15	0.35	1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	19.00	2.05	1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	13.70	0.20	1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	21.10	0.25	1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	33.80	0.40	1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	19.80	0.25	1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	15.45	0.70	1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	14.00	0.15	1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	4.85	0.10	1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	21.10	0.00	1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	20.35	0.20	1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	12.15	0.10	1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	20.55		1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	30.80		1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	22.80		1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	6.55		1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	21.10		1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	6.75		1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	14.45		1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	20.60		1.53
5/16/2007	Zach DiStefano	ST GEORGE	Interior	Paper	22.70		1.53
5/16/2007	Ijahi Terry	TAPPEN	Interior	MGP	2.35	1.20	1.00
5/16/2007	Ijahi Terry	TAPPEN	Interior	MGP	11.70	1.68	1.00
5/16/2007	Ijahi Terry	TAPPEN	Interior	Paper	2.60	0.65	2.00
5/16/2007	Ijahi Terry	TAPPEN	Interior	Paper	6.50		2.00
5/16/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	27.80	1.00	1.20
5/16/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	6.65	0.00	1.20
5/16/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	7.55	0.25	1.20

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/16/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	1.30	0.05	1.20
5/16/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	17.20	0.20	1.20
5/16/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	5.00		1.20
5/16/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	20.25	2.50	1.20
5/16/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	2.60	0.95	1.20
5/16/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	6.85	2.80	1.20
5/16/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	8.25	4.15	1.20
5/16/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	4.75	3.65	1.20
5/16/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	10.30		1.20
5/16/2007	Alice Henshaw	UNION SQUARE	Interior	MGP	18.10	4.30	1.50
5/16/2007	Alice Henshaw	UNION SQUARE	Interior	MGP	15.70	8.35	1.50
5/16/2007	Alice Henshaw	UNION SQUARE	Interior	MGP	11.70	3.50	1.50
5/16/2007	Alice Henshaw	UNION SQUARE	Interior	MGP	13.95	1.80	1.50
5/16/2007	Alice Henshaw	UNION SQUARE	Interior	MGP	9.75		1.50
5/16/2007	Alice Henshaw	UNION SQUARE	Interior	MGP	10.25		1.50
5/16/2007	Melissa Hamilton	UNION SQUARE	Interior	Paper	18.75	0.20	1.67
5/16/2007	Melissa Hamilton	UNION SQUARE	Interior	Paper	31.70	0.90	1.67
5/16/2007	Melissa Hamilton	UNION SQUARE	Interior	Paper	8.70	0.40	1.67
5/16/2007	Melissa Hamilton	UNION SQUARE	Interior	Paper	8.00		1.67
5/16/2007	Melissa Hamilton	UNION SQUARE	Interior	Paper	2.90		1.67
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	38.60	1.20	1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	14.95	1.10	1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	28.25	0.65	1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	19.50	2.05	1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	24.25	0.85	1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	21.95	2.35	1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	11.80	0.10	1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	13.95	1.75	1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	23.55	0.45	1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	37.25	0.60	1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	17.90	1.10	1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	25.45	0.05	1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	5.90	1.40	1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	22.65	0.65	1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	5.25	0.35	1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	15.45	1.85	1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	28.00	0.80	1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	28.80	0.00	1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	18.35	0.10	1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	5.25	0.15	1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	31.25		1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	29.80		1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	7.85		1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	9.40		1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	4.10		1.30
5/16/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	17.15		1.30
5/16/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	12.00	4.30	1.00
5/16/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	11.65	2.95	1.00
5/16/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	13.50	3.20	1.00
5/16/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	19.20	1.65	1.00
5/16/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	10.75	5.95	1.00
5/16/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	13.00	1.87	1.00
5/16/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	17.20	5.05	1.00
5/16/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	26.40	4.68	1.00

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/16/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	14.50	6.29	1.00
5/16/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	26.95	12.62	1.00
5/16/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	16.05	6.10	1.00
5/16/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	26.20	2.89	1.00
5/16/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	12.00	1.83	1.00
5/16/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	8.55	1.62	1.00
5/16/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	9.75	5.60	1.00
5/16/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	17.85	4.30	1.00
5/16/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	16.55	2.04	1.00
5/16/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	15.65	8.95	1.00
5/16/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	10.60	2.50	1.00
5/16/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	12.30	2.71	1.00
5/16/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	8.35	1.93	1.00
5/16/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	20.70	13.40	1.00
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	8.10		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	8.35		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	7.40		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	5.55		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	7.30		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	6.10		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	3.85		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	2.60		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	3.50		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	5.95		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	4.90		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	5.60		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	1.50		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	5.85		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	5.40		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	2.45		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	3.55		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	2.95		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	2.85		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	3.05		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	1.90		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	5.45		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	5.85		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	1.00		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	4.60		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	9.70		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	0.50		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	1.95		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	4.65		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	6.50		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	7.05		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	5.80		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	12.25		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	4.70		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	9.95		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	1.80		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	9.05		2.46
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	5.15		2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.90	7.93	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	6.35	2.25	2.46

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.25	3.93	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.25	4.30	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.75	7.90	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	7.35	2.80	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.55	4.85	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	8.95	6.10	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	1.55	0.15	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.40	4.40	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	4.40	2.05	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	5.45	3.05	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.35	6.25	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	8.25	7.26	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	5.05	3.90	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.90	5.20	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	15.15	10.16	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.15	6.46	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	8.00	6.15	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	4.65	1.55	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	4.05	1.00	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.30	6.95	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	16.25	14.40	2.46
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.50	7.80	2.46
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	43.00	0.00	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.05	0.05	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	13.40	0.10	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	42.90	0.15	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.65	0.10	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	9.75	0.05	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	14.40	0.00	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	3.45	1.70	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	30.95	0.00	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	13.00	0.00	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	15.40	0.15	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	11.70	0.00	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	3.95	0.20	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.75	0.65	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	3.90	0.00	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	26.15	0.00	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.95	0.00	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	21.20	0.00	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.80	0.05	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	44.10	0.00	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	20.90	0.40	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	4.50	0.00	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	22.10	0.15	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	17.40	0.00	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	26.35	0.20	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	41.05	0.05	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	12.00	1.80	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	5.15	0.25	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	6.80	2.90	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.15	0.00	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	14.00	0.00	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	23.05	0.05	1.67

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	13.20	0.00	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	23.60	0.30	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	9.70	0.25	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	11.00	0.35	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	12.95	0.00	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	14.20	0.20	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.75	0.00	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	5.05	0.20	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	12.35	0.50	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	17.10	0.05	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	5.25	0.00	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	4.65	0.00	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	5.20	0.00	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	9.05	0.10	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	12.20	1.60	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	12.35	0.15	1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	2.20		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	6.90		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	9.20		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.10		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	2.95		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	2.15		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	39.30		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	5.70		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	5.45		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.70		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.75		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	2.70		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	2.75		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	5.60		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	3.05		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.15		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	30.55		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	31.00		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	12.85		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	12.10		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	14.80		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	2.65		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	2.30		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.65		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	4.60		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	3.15		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	4.30		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	12.20		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	22.55		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	6.65		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	6.55		1.67
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	2.05		1.67
5/16/2007	Zach DiStefano	WHITEHALL	Interior	MGP	5.45	0.23	2.46
5/23/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	4.55	1.90	1.00
5/23/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	6.00	1.55	1.00
5/23/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	1.95	0.90	1.00
5/23/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	4.30	1.95	1.00
5/23/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	1.40	0.50	1.50

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/23/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	1.55	0.05	1.50
5/23/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	2.80		1.50
5/23/2007	Zach DiStefano	CLOVE LAKES	Perimeter	MGP	14.70	5.65	1.33
5/23/2007	Zach DiStefano	CLOVE LAKES	Perimeter	MGP	14.80	3.57	1.33
5/23/2007	Zach DiStefano	CLOVE LAKES	Perimeter	MGP	1.05	0.25	1.33
5/23/2007	Zach DiStefano	CLOVE LAKES	Perimeter	MGP	4.00		1.33
5/23/2007	Zach DiStefano	CLOVE LAKES	Perimeter	Paper	62.75	0.45	1.50
5/23/2007	Zach DiStefano	CLOVE LAKES	Perimeter	Paper	13.00	0.10	1.50
5/23/2007	Zach DiStefano	CLOVE LAKES	Perimeter	Paper	1.60		1.50
5/23/2007	Alice Henshaw	COLUMBUS	Interior	MGP	4.10	0.55	1.00
5/23/2007	Alice Henshaw	COLUMBUS	Interior	MGP	6.65	3.50	1.00
5/23/2007	Alice Henshaw	COLUMBUS	Interior	MGP	8.70	4.40	1.00
5/23/2007	Alice Henshaw	COLUMBUS	Interior	MGP	14.40	8.50	1.00
5/23/2007	Alice Henshaw	COLUMBUS	Interior	MGP	5.25	1.80	1.00
5/23/2007	Alice Henshaw	COLUMBUS	Interior	MGP	6.95	5.15	1.00
5/23/2007	Alice Henshaw	COLUMBUS	Interior	Paper	10.45	0.95	1.00
5/23/2007	Alice Henshaw	COLUMBUS	Interior	Paper	10.60	2.20	1.00
5/23/2007	Alice Henshaw	COLUMBUS	Interior	Paper	12.35	0.70	1.00
5/23/2007	Alice Henshaw	COLUMBUS	Interior	Paper	11.80	0.70	1.00
5/23/2007	Alice Henshaw	COLUMBUS	Interior	Paper	25.45	0.20	1.00
5/23/2007	Alice Henshaw	COLUMBUS	Interior	Paper	18.85	0.00	1.00
5/23/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	12.15	3.10	1.00
5/23/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	4.55	1.10	1.00
5/23/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	9.10	3.85	1.00
5/23/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	8.65	4.35	1.00
5/23/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	12.85	4.60	1.00
5/23/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	7.30	2.40	1.00
5/23/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	16.90	0.00	1.50
5/23/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	33.25	0.00	1.50
5/23/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	12.85	0.30	1.50
5/23/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	25.35	0.05	1.50
5/23/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	28.40	0.05	1.50
5/23/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	23.15	0.40	1.50
5/23/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	9.20	0.65	1.50
5/23/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	9.60	0.55	1.50
5/23/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	16.60		1.50
5/23/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	17.45		1.50
5/23/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	19.25		1.50
5/23/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	10.20		1.50
5/23/2007	Zach DiStefano	HOFFMAN	Interior	MGP	6.50	3.55	2.00
5/23/2007	Zach DiStefano	HOFFMAN	Interior	MGP	2.65		2.00
5/23/2007	Zach DiStefano	HOFFMAN	Interior	Paper	3.30	0.45	2.00
5/23/2007	Zach DiStefano	HOFFMAN	Interior	Paper	18.45		2.00
5/23/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	18.35	4.55	1.00
5/23/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	11.80	6.80	1.00
5/23/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	8.95	4.40	1.00
5/23/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	12.15	7.50	1.00
5/23/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	9.85	3.85	1.00
5/23/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	8.90	0.15	1.60
5/23/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	4.15	0.10	1.60
5/23/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	20.40	2.50	1.60
5/23/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	7.90	5.85	1.60
5/23/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	7.55	6.90	1.60
5/23/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	19.55		1.60

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/23/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	10.20		1.60
5/23/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	20.70		1.60
5/23/2007	Alice Henshaw	POE	Interior	MGP	13.15	9.10	1.00
5/23/2007	Alice Henshaw	POE	Interior	MGP	4.15	2.40	1.00
5/23/2007	Alice Henshaw	POE	Interior	Paper	7.15	5.05	2.00
5/23/2007	Alice Henshaw	POE	Interior	Paper	5.05	3.70	2.00
5/23/2007	Alice Henshaw	POE	Interior	Paper	4.20		2.00
5/23/2007	Alice Henshaw	POE	Interior	Paper	5.40		2.00
5/23/2007	Alice Henshaw	POE	Perimeter	MGP	4.50	3.90	1.00
5/23/2007	Alice Henshaw	POE	Perimeter	MGP	8.40	4.50	1.00
5/23/2007	Alice Henshaw	POE	Perimeter	Paper	14.50	9.45	2.00
5/23/2007	Alice Henshaw	POE	Perimeter	Paper	20.25	15.50	2.00
5/23/2007	Alice Henshaw	POE	Perimeter	Paper	11.45	10.70	2.00
5/23/2007	Alice Henshaw	POE	Perimeter	Paper	7.55	1.80	2.00
5/23/2007	Alice Henshaw	POE	Perimeter	Paper	24.40		2.00
5/23/2007	Alice Henshaw	POE	Perimeter	Paper	21.30		2.00
5/23/2007	Alice Henshaw	POE	Perimeter	Paper	3.60		2.00
5/23/2007	Alice Henshaw	POE	Perimeter	Paper	6.60		2.00
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	8.30	1.70	1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	8.25	3.50	1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	5.20	1.25	1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	6.55	1.70	1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	11.55	10.45	1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	9.00	3.05	1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	1.70	0.45	1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	8.95	1.45	1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	8.30	3.56	1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	14.45	6.25	1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	10.20	7.11	1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	14.80	3.70	1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	13.70		1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	19.50		1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	17.65		1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	14.45		1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	6.10		1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	11.40		1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	12.75		1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	9.50		1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	9.90		1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	13.00		1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	MGP	6.30		1.92
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	16.10	0.25	2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	12.15	0.25	2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	13.20	0.30	2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	9.15	0.85	2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	13.85	0.85	2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	9.25	0.25	2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	21.80	0.40	2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	13.80	0.55	2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	22.10	0.85	2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	15.65	0.65	2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	15.70	2.55	2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	18.20	0.25	2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	20.15	0.05	2.08

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	24.75		2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	20.95		2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	46.90		2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	19.85		2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	22.25		2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	13.40		2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	18.05		2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	11.10		2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	16.00		2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	22.75		2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	28.15		2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	14.80		2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	26.20		2.08
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	40.45		2.08
5/23/2007	Ijahi Terry	TAPPEN	Interior	MGP	6.50	4.13	1.50
5/23/2007	Ijahi Terry	TAPPEN	Interior	MGP	5.95	3.20	1.50
5/23/2007	Ijahi Terry	TAPPEN	Interior	MGP	2.00		1.50
5/23/2007	Ijahi Terry	TAPPEN	Interior	Paper	3.70	1.25	1.00
5/23/2007	Ijahi Terry	TAPPEN	Interior	Paper	13.90	1.20	1.00
5/23/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	17.10	6.40	1.20
5/23/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	8.25	4.23	1.20
5/23/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	6.00	3.30	1.20
5/23/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	10.65	4.55	1.20
5/23/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	3.85	2.00	1.20
5/23/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	4.05		1.20
5/23/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	3.45	1.05	1.00
5/23/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	5.50	0.10	1.00
5/23/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	1.55	0.05	1.00
5/23/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	8.25	1.05	1.00
5/23/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	9.05	0.75	1.00
5/23/2007	Alice Henshaw	UNION SQUARE	Interior	MGP	18.20	3.50	1.25
5/23/2007	Alice Henshaw	UNION SQUARE	Interior	MGP	15.05	3.20	1.25
5/23/2007	Alice Henshaw	UNION SQUARE	Interior	MGP	11.30	4.10	1.25
5/23/2007	Alice Henshaw	UNION SQUARE	Interior	MGP	16.20	3.60	1.25
5/23/2007	Alice Henshaw	UNION SQUARE	Interior	MGP	16.90		1.25
5/23/2007	Melissa Hamilton	UNION SQUARE	Interior	Paper	7.75	0.45	1.00
5/23/2007	Melissa Hamilton	UNION SQUARE	Interior	Paper	15.95	0.35	1.00
5/23/2007	Alice Henshaw	UNION SQUARE	Perimeter	MGP	10.55	0.12	1.37
5/23/2007	Alice Henshaw	UNION SQUARE	Perimeter	MGP	18.75	2.30	1.37
5/23/2007	Alice Henshaw	UNION SQUARE	Perimeter	MGP	5.85	3.90	1.37
5/23/2007	Alice Henshaw	UNION SQUARE	Perimeter	MGP	24.95	6.13	1.37
5/23/2007	Alice Henshaw	UNION SQUARE	Perimeter	MGP	19.75	10.65	1.37
5/23/2007	Alice Henshaw	UNION SQUARE	Perimeter	MGP	9.45	0.72	1.37
5/23/2007	Alice Henshaw	UNION SQUARE	Perimeter	MGP	13.00	2.48	1.37
5/23/2007	Alice Henshaw	UNION SQUARE	Perimeter	MGP	32.55	9.95	1.37
5/23/2007	Alice Henshaw	UNION SQUARE	Perimeter	MGP	12.05	1.35	1.37
5/23/2007	Alice Henshaw	UNION SQUARE	Perimeter	MGP	15.25	4.50	1.37
5/23/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	13.35	8.60	1.37
5/23/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	14.25	2.60	1.37
5/23/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	9.35	3.70	1.37
5/23/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	14.35	10.05	1.37
5/23/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	5.05	4.28	1.37
5/23/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	14.45	5.87	1.37
5/23/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	8.30	1.20	1.37

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/23/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	13.25	5.68	1.37
5/23/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	13.95	6.30	1.37
5/23/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	15.95		1.37
5/23/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	7.45		1.37
5/23/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	15.65		1.37
5/23/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	20.25		1.37
5/23/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	24.75		1.37
5/23/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	5.05		1.37
5/23/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	28.25		1.37
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	43.75	2.60	1.16
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	24.30	0.55	1.16
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	8.00	0.45	1.16
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	5.79	0.50	1.16
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	24.20	0.55	1.16
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	21.95	3.05	1.16
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	6.95	0.15	1.16
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	28.20	0.65	1.16
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	42.65	0.20	1.16
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	14.80	0.75	1.16
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	30.85	0.75	1.16
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	22.90	1.00	1.16
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	21.45	0.85	1.16
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	22.95	0.60	1.16
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	13.05	0.45	1.16
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	20.85	0.20	1.16
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	21.25	0.60	1.16
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	16.45	0.75	1.16
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	12.40	0.70	1.16
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	38.45		1.16
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	34.30		1.16
5/23/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	27.80		1.16
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	14.75	0.10	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	9.70	0.10	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	10.20	0.70	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.90	0.65	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	13.60	0.40	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	4.95	0.05	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	17.95	0.25	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	5.95	0.00	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	2.90	0.05	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	5.65	0.55	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	47.90	0.50	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	25.10	0.05	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	9.25	0.00	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	17.80	0.10	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.65	0.15	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	9.55	0.05	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.55	0.00	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	26.25	0.00	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	4.90	0.00	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	3.75	0.05	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	3.40	0.20	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.15	0.25	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	6.75	0.05	1.41

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	15.90	0.05	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	34.20	0.00	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	2.35	0.05	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	17.30	0.20	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	20.70	0.05	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	5.05	0.00	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	6.60	0.15	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	4.15	0.10	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	24.65	0.05	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	12.35	1.35	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	30.50	0.00	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	18.70	0.35	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	23.50	0.05	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	14.95	0.10	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	10.30	0.05	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	3.75	0.00	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	9.25	0.00	1.41
5/23/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.25	0.05	1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	8.15	2.70	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	4.60	1.98	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	4.35	1.50	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	4.15	2.15	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	3.15	1.35	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	6.55	1.80	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	4.35	1.50	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	3.60	1.35	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	7.60	2.75	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	4.80	0.60	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	8.10	4.70	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	10.55	6.20	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	4.50	1.42	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	1.65	0.20	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	4.50	2.00	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	6.65	2.50	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	13.30	8.90	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	4.15	1.92	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	3.45	2.45	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	6.10	2.61	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	3.85	1.15	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	6.50	3.09	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	9.10	5.95	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	3.90	2.53	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	4.60	0.40	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	7.95	0.45	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	5.45	3.85	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	3.90	0.80	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	17.35	3.15	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	5.25	1.35	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	15.45	6.34	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	20.40	8.91	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	4.40	1.25	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	6.35	2.30	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	9.35	5.70	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	11.10	2.00	1.69

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	10.45	5.55	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	10.50	8.90	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	11.80	9.25	1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	5.05		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	4.75		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	9.05		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	6.35		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	7.55		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	3.20		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	11.25		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	3.05		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	3.05		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	5.45		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	8.40		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	3.90		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	4.25		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	6.90		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	6.55		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	1.55		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	2.70		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	2.45		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	1.35		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	5.45		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	7.50		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	9.10		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	2.10		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	4.05		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	3.55		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	2.85		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	7.50		1.69
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	46.60	0.10	1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	44.80	0.15	1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	46.50	0.20	1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	19.10	0.00	1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	10.45	0.00	1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	8.25	0.40	1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	23.30	0.00	1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	4.75	0.45	1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	49.75		1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	24.40		1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	40.25		1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	31.25		1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	24.00		1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	54.00		1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	34.70		1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	33.95		1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	9.55		1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	10.50		1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	11.30		1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	5.05		1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	3.20		1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	15.15		1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	32.65		1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	29.95		1.41

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	38.65		1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	41.05		1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	15.90		1.41
5/23/2007	Zach DiStefano	WHITEHALL	Interior	Paper	8.85		1.41
5/30/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	11.80	7.50	1.33
5/30/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	5.25	0.80	1.33
5/30/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	3.35	1.20	1.33
5/30/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	9.25		1.33
5/30/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	24.80	2.30	2.00
5/30/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	1.40	1.25	2.00
5/30/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	0.40		2.00
5/30/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	3.35		2.00
5/30/2007	Zach DiStefano	CLOVE LAKES	Perimeter	MGP	7.35	3.75	1.33
5/30/2007	Zach DiStefano	CLOVE LAKES	Perimeter	MGP	1.35	0.00	1.33
5/30/2007	Zach DiStefano	CLOVE LAKES	Perimeter	MGP	1.70	0.10	1.33
5/30/2007	Zach DiStefano	CLOVE LAKES	Perimeter	MGP	2.35		1.33
5/30/2007	Zach DiStefano	CLOVE LAKES	Perimeter	Paper	5.90	0.65	1.50
5/30/2007	Zach DiStefano	CLOVE LAKES	Perimeter	Paper	1.75	0.10	1.50
5/30/2007	Zach DiStefano	CLOVE LAKES	Perimeter	Paper	1.30		1.50
5/30/2007	Matt Tozer	COLUMBUS	Interior	MGP	7.85	0.65	1.40
5/30/2007	Matt Tozer	COLUMBUS	Interior	MGP	5.45	1.55	1.40
5/30/2007	Matt Tozer	COLUMBUS	Interior	MGP	10.40	5.00	1.40
5/30/2007	Matt Tozer	COLUMBUS	Interior	MGP	9.70	2.00	1.40
5/30/2007	Matt Tozer	COLUMBUS	Interior	MGP	14.40	5.30	1.40
5/30/2007	Matt Tozer	COLUMBUS	Interior	MGP	3.55		1.40
5/30/2007	Matt Tozer	COLUMBUS	Interior	MGP	10.85		1.40
5/30/2007	Matt Tozer	COLUMBUS	Interior	Paper	22.75	0.50	1.17
5/30/2007	Matt Tozer	COLUMBUS	Interior	Paper	6.90	1.40	1.17
5/30/2007	Matt Tozer	COLUMBUS	Interior	Paper	13.60	0.40	1.17
5/30/2007	Matt Tozer	COLUMBUS	Interior	Paper	7.40	0.75	1.17
5/30/2007	Matt Tozer	COLUMBUS	Interior	Paper	18.10	0.25	1.17
5/30/2007	Matt Tozer	COLUMBUS	Interior	Paper	10.75	0.20	1.17
5/30/2007	Matt Tozer	COLUMBUS	Interior	Paper	31.40		1.17
5/30/2007	Matt Tozer	COLUMBUS	Perimeter	MGP	3.30	0.40	1.00
5/30/2007	Matt Tozer	COLUMBUS	Perimeter	MGP	8.25	3.30	1.00
5/30/2007	Matt Tozer	COLUMBUS	Perimeter	MGP	10.70	1.85	1.00
5/30/2007	Matt Tozer	COLUMBUS	Perimeter	MGP	16.80	3.45	1.00
5/30/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	17.45	0.25	1.38
5/30/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	28.15	0.35	1.38
5/30/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	22.25	0.90	1.38
5/30/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	24.10	0.25	1.38
5/30/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	8.15	0.05	1.38
5/30/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	23.20	1.00	1.38
5/30/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	31.15	0.00	1.38
5/30/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	7.60	0.10	1.38
5/30/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	2.10		1.38
5/30/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	31.65		1.38
5/30/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	15.20		1.38
5/30/2007	Zach DiStefano	HOFFMAN	Interior	MGP	5.40	0.85	2.00
5/30/2007	Zach DiStefano	HOFFMAN	Interior	MGP	7.75		2.00
5/30/2007	Zach DiStefano	HOFFMAN	Interior	Paper	2.40	0.55	2.00
5/30/2007	Zach DiStefano	HOFFMAN	Interior	Paper	3.15		2.00
5/30/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	18.50	7.70	1.20
5/30/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	7.05	3.07	1.20

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/30/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	15.35	4.17	1.20
5/30/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	8.80	2.40	1.20
5/30/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	11.55	4.20	1.20
5/30/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	13.30		1.20
5/30/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	25.40	1.45	1.40
5/30/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	10.40	0.25	1.40
5/30/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	30.30	5.35	1.40
5/30/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	10.25	0.40	1.40
5/30/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	3.10	0.10	1.40
5/30/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	19.35		1.40
5/30/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	10.15		1.40
5/30/2007	Matt Tozer	POE	Interior	MGP	20.30	13.05	1.00
5/30/2007	Matt Tozer	POE	Interior	MGP	31.85	20.35	1.00
5/30/2007	Matt Tozer	POE	Interior	Paper	12.85	9.10	1.00
5/30/2007	Matt Tozer	POE	Interior	Paper	5.20	0.60	1.00
5/30/2007	Matt Tozer	POE	Perimeter	MGP	12.35	6.75	1.67
5/30/2007	Matt Tozer	POE	Perimeter	MGP	14.85	8.80	1.67
5/30/2007	Matt Tozer	POE	Perimeter	MGP	12.65	5.80	1.67
5/30/2007	Matt Tozer	POE	Perimeter	MGP	13.75	8.95	1.67
5/30/2007	Matt Tozer	POE	Perimeter	MGP	2.90	2.40	1.67
5/30/2007	Matt Tozer	POE	Perimeter	MGP	1.95	1.80	1.67
5/30/2007	Matt Tozer	POE	Perimeter	MGP	31.45		1.67
5/30/2007	Matt Tozer	POE	Perimeter	MGP	13.80		1.67
5/30/2007	Matt Tozer	POE	Perimeter	MGP	11.05		1.67
5/30/2007	Matt Tozer	POE	Perimeter	MGP	6.60		1.67
5/30/2007	Matt Tozer	POE	Perimeter	Paper	1.25	0.25	1.00
5/30/2007	Matt Tozer	POE	Perimeter	Paper	1.60	0.15	1.00
5/30/2007	Matt Tozer	POE	Perimeter	Paper	4.40	0.95	1.00
5/30/2007	Matt Tozer	POE	Perimeter	Paper	1.35	0.80	1.00
5/30/2007	Matt Tozer	POE	Perimeter	Paper	7.80	2.15	1.00
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	13.30	3.20	2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	10.25	4.30	2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	19.50	7.75	2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	9.50	3.10	2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	7.70	2.45	2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	10.65	2.80	2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	9.80	4.00	2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	18.65	4.30	2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	7.80	2.65	2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	11.65	3.83	2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	10.10	3.55	2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	7.65		2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	2.55		2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	0.15		2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	3.15		2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	10.90		2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	8.90		2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	11.10		2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	5.10		2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	2.95		2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	8.25		2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	2.70		2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	6.70		2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	0.10		2.27

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	0.15		2.27
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	18.35	0.25	1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	12.90	0.95	1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	22.10	0.00	1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	15.15	0.40	1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	10.45	0.35	1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	18.65	0.40	1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	15.60	0.05	1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	21.25	0.10	1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	19.40	0.20	1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	13.15	1.80	1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	19.70	0.40	1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	18.00	0.00	1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	9.45	0.75	1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	5.30	0.85	1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	14.40	0.90	1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	27.70		1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	10.35		1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	12.10		1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	18.40		1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	11.30		1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	23.30		1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	18.10		1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	16.60		1.60
5/30/2007	Ijahi Terry	ST GEORGE	Interior	Paper	14.75		1.60
5/30/2007	Ijahi Terry	TAPPEN	Interior	MGP	9.85	2.25	1.00
5/30/2007	Ijahi Terry	TAPPEN	Interior	MGP	4.80	1.75	1.00
5/30/2007	Ijahi Terry	TAPPEN	Interior	Paper	10.75	2.10	2.00
5/30/2007	Ijahi Terry	TAPPEN	Interior	Paper	13.85		2.00
5/30/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	7.35	3.35	1.25
5/30/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	12.90	6.90	1.25
5/30/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	8.65	4.74	1.25
5/30/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	9.55	4.20	1.25
5/30/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	14.50		1.25
5/30/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	17.55	1.40	1.20
5/30/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	5.70	2.10	1.20
5/30/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	2.50	0.50	1.20
5/30/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	2.80	0.20	1.20
5/30/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	4.25	1.70	1.20
5/30/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	26.25		1.20
5/30/2007	Matt Tozer	UNION SQUARE	Interior	MGP	26.10	4.85	1.75
5/30/2007	Matt Tozer	UNION SQUARE	Interior	MGP	11.20	0.60	1.75
5/30/2007	Matt Tozer	UNION SQUARE	Interior	MGP	12.50	2.20	1.75
5/30/2007	Matt Tozer	UNION SQUARE	Interior	MGP	14.55	1.60	1.75
5/30/2007	Matt Tozer	UNION SQUARE	Interior	MGP	4.70		1.75
5/30/2007	Matt Tozer	UNION SQUARE	Interior	MGP	6.85		1.75
5/30/2007	Matt Tozer	UNION SQUARE	Interior	MGP	6.15		1.75
5/30/2007	Matt Tozer	UNION SQUARE	Interior	Paper	10.80	0.55	1.67
5/30/2007	Matt Tozer	UNION SQUARE	Interior	Paper	12.65	0.45	1.67
5/30/2007	Matt Tozer	UNION SQUARE	Interior	Paper	7.40	0.15	1.67
5/30/2007	Matt Tozer	UNION SQUARE	Interior	Paper	18.05		1.67
5/30/2007	Matt Tozer	UNION SQUARE	Interior	Paper	10.55		1.67
5/30/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	13.40	1.05	2.36
5/30/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	3.65	1.05	2.36

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/30/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	13.15	4.40	2.36
5/30/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	12.35	3.73	2.36
5/30/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	9.95	6.55	2.36
5/30/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	4.80	1.75	2.36
5/30/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	12.15	1.30	2.36
5/30/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	6.75	1.90	2.36
5/30/2007	Matt Tozer	UNION SQUARE	Perimeter	Paper	30.15	0.25	1.89
5/30/2007	Matt Tozer	UNION SQUARE	Perimeter	Paper	4.80	0.65	1.89
5/30/2007	Matt Tozer	UNION SQUARE	Perimeter	Paper	21.05	0.15	1.89
5/30/2007	Matt Tozer	UNION SQUARE	Perimeter	Paper	10.60	0.25	1.89
5/30/2007	Matt Tozer	UNION SQUARE	Perimeter	Paper	16.75	1.15	1.89
5/30/2007	Matt Tozer	UNION SQUARE	Perimeter	Paper	25.25	0.40	1.89
5/30/2007	Matt Tozer	UNION SQUARE	Perimeter	Paper	31.75	1.05	1.89
5/30/2007	Matt Tozer	UNION SQUARE	Perimeter	Paper	19.95	0.10	1.89
5/30/2007	Matt Tozer	UNION SQUARE	Perimeter	Paper	9.90	0.70	1.89
5/30/2007	Matt Tozer	UNION SQUARE	Perimeter	Paper	47.60	1.60	1.89
5/30/2007	Matt Tozer	UNION SQUARE	Perimeter	Paper	23.30		1.89
5/30/2007	Matt Tozer	UNION SQUARE	Perimeter	Paper	11.60		1.89
5/30/2007	Matt Tozer	UNION SQUARE	Perimeter	Paper	11.85		1.89
5/30/2007	Matt Tozer	UNION SQUARE	Perimeter	Paper	15.65		1.89
5/30/2007	Matt Tozer	UNION SQUARE	Perimeter	Paper	25.65		1.89
5/30/2007	Matt Tozer	UNION SQUARE	Perimeter	Paper	6.05		1.89
5/30/2007	Matt Tozer	UNION SQUARE	Perimeter	Paper	18.85		1.89
5/30/2007	Matt Tozer	UNION SQUARE	Perimeter	Paper	7.05		1.89
5/30/2007	Matt Tozer	UNION SQUARE	Perimeter	Paper	6.90		1.89
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	10.65		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	10.55		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	13.80		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	7.65		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	4.75		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	7.55		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	9.95		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	7.50		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	9.60		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	15.40		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	4.55		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	17.85		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	21.05		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	24.70		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	5.65		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	23.40		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	13.60		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	7.60		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	12.15		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	18.45		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	10.40		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	9.55		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	8.85		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	13.30		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	14.90		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	18.90		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	19.90		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	12.05		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	18.55		2.36

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	MGP	16.55		2.36
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	22.25	0.60	1.89
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	14.35	0.00	1.89
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	12.25	0.15	1.89
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	10.25	0.25	1.89
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	45.70	2.95	1.89
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	18.65	0.05	1.89
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	6.55	0.55	1.89
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	16.85	0.25	1.89
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	17.95	0.85	1.89
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	18.75		1.89
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	6.90		1.89
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	19.90		1.89
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	43.10		1.89
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	13.05		1.89
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	11.65		1.89
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	18.70		1.89
5/30/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	27.10		1.89
5/30/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	7.60	2.35	2.36
5/30/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	7.00	1.40	2.36
5/30/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	6.55	1.11	2.36
5/30/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	13.85	4.35	2.36
5/30/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	19.35	6.90	2.36
5/30/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	0.05	0.00	2.36
5/30/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	16.15	3.60	2.36
5/30/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	24.00	4.33	2.36
5/30/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	8.55	2.50	2.36
5/30/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	7.85	2.50	2.36
5/30/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	11.25	2.25	2.36
5/30/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	7.30	0.95	2.36
5/30/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	10.30	3.77	2.36
5/30/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	5.05	4.90	2.36
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	7.90	1.60	1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	4.60	3.40	1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	7.70	4.15	1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	2.65	0.30	1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	10.05	8.47	1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.55	5.10	1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	8.55	5.20	1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	5.30	2.95	1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	6.55	1.75	1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	14.05	6.20	1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	7.85		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	7.95		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	7.50		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.25		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.40		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	10.80		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	5.90		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	8.45		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	3.10		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	10.45		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	8.80		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.95		1.73

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Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	13.75		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	7.60		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	10.35		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	5.35		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	26.15		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.35		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	5.30		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	8.95		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.75		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	11.50		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	14.95		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	27.20		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	7.45		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	23.35		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.75		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	4.65		1.73
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	5.15		1.73
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	45.80	0.10	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	29.75	0.05	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	17.15	2.65	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	5.45	0.05	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.65	0.30	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	5.95	0.10	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.50	0.05	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	5.75	0.10	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.00	0.25	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.15	0.00	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	11.50	0.50	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	1.45	0.05	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	1.50	0.05	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	15.80	0.00	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	11.70	0.05	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	43.90	0.15	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	3.15	0.00	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	6.75	0.00	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	19.70	0.00	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	9.25	0.10	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	9.85	0.80	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.70	0.05	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	4.40	0.15	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	6.60	0.60	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	32.00	0.00	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	6.25	0.50	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	0.10	0.00	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.50	0.15	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	6.50	0.70	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.55	0.00	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	23.30	0.00	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	2.20	0.10	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.50	0.70	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	4.15	0.10	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	26.40	0.10	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	2.85	1.10	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	24.65	0.00	1.57

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	13.45	0.10	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	17.65	0.00	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.30	0.40	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.20	1.50	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	2.60	2.55	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	21.35	0.60	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	26.15	0.05	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	6.95	0.15	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	14.90	0.95	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	6.05	0.00	1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	6.40		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	0.10		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	21.95		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	25.15		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	24.20		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	33.45		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	9.45		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	0.05		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	20.35		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	3.70		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	13.25		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	36.70		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	37.25		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	36.20		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	11.45		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	13.20		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	26.20		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	36.70		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	48.15		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	36.15		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	9.60		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	32.25		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	33.50		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	19.15		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	17.80		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	12.70		1.57
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	23.55		1.57
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	10.55	5.10	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	6.75	5.00	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	10.50	4.75	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	8.75	4.55	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	10.85	7.50	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	11.20	2.00	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	4.70	0.65	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	15.45	1.10	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	6.95	0.50	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	4.70	1.60	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	6.20	4.70	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	4.55	2.40	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	7.65	3.85	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	4.10	2.05	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	6.95	1.10	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	7.90	4.35	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	13.60	4.55	1.73

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	12.10	4.70	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	8.95	4.95	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	4.75	1.10	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	8.25	4.10	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	10.20	3.70	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	6.10	3.50	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	18.70	5.75	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	15.40	4.85	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	9.60	0.95	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	16.20	4.80	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	8.20	4.75	1.73
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	6.75	1.50	1.73
6/6/2007	Matt Tozer	CLOVE LAKES	Interior	Paper	3.60	0.40	2.00
6/6/2007	Matt Tozer	CLOVE LAKES	Interior	Paper	3.00	0.60	2.00
6/6/2007	Matt Tozer	CLOVE LAKES	Interior	Paper	10.10		2.00
6/6/2007	Matt Tozer	CLOVE LAKES	Interior	Paper	6.15		2.00
6/6/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	10.40	2.00	1.00
6/6/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	17.90	4.20	1.00
6/6/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	8.40	2.95	1.00
6/6/2007	Matt Tozer	CLOVE LAKES	Perimeter	MGP	7.05	2.40	2.00
6/6/2007	Matt Tozer	CLOVE LAKES	Perimeter	MGP	8.80	6.05	2.00
6/6/2007	Matt Tozer	CLOVE LAKES	Perimeter	MGP	4.30	4.25	2.00
6/6/2007	Matt Tozer	CLOVE LAKES	Perimeter	MGP	2.85		2.00
6/6/2007	Matt Tozer	CLOVE LAKES	Perimeter	MGP	1.50		2.00
6/6/2007	Matt Tozer	CLOVE LAKES	Perimeter	MGP	4.35		2.00
6/6/2007	Matt Tozer	CLOVE LAKES	Perimeter	Paper	16.15	0.05	1.00
6/6/2007	Matt Tozer	CLOVE LAKES	Perimeter	Paper	3.40	0.40	1.00
6/6/2007	Matt Tozer	COLUMBUS	Interior	MGP	7.45	3.00	1.50
6/6/2007	Matt Tozer	COLUMBUS	Interior	MGP	12.50	5.65	1.50
6/6/2007	Matt Tozer	COLUMBUS	Interior	MGP	19.20	9.40	1.50
6/6/2007	Matt Tozer	COLUMBUS	Interior	MGP	13.45	4.90	1.50
6/6/2007	Matt Tozer	COLUMBUS	Interior	MGP	2.50		1.50
6/6/2007	Matt Tozer	COLUMBUS	Interior	MGP	12.70		1.50
6/6/2007	Matt Tozer	COLUMBUS	Interior	Paper	28.05	0.95	1.80
6/6/2007	Matt Tozer	COLUMBUS	Interior	Paper	10.95	0.10	1.80
6/6/2007	Matt Tozer	COLUMBUS	Interior	Paper	29.20	0.15	1.80
6/6/2007	Matt Tozer	COLUMBUS	Interior	Paper	22.90	1.60	1.80
6/6/2007	Matt Tozer	COLUMBUS	Interior	Paper	38.90	0.05	1.80
6/6/2007	Matt Tozer	COLUMBUS	Interior	Paper	18.85		1.80
6/6/2007	Matt Tozer	COLUMBUS	Interior	Paper	11.15		1.80
6/6/2007	Matt Tozer	COLUMBUS	Interior	Paper	13.05		1.80
6/6/2007	Matt Tozer	COLUMBUS	Interior	Paper	32.05		1.80
6/6/2007	Matt Tozer	COLUMBUS	Perimeter	MGP	10.35	2.50	1.67
6/6/2007	Matt Tozer	COLUMBUS	Perimeter	MGP	12.40	7.00	1.67
6/6/2007	Matt Tozer	COLUMBUS	Perimeter	MGP	10.95	2.80	1.67
6/6/2007	Matt Tozer	COLUMBUS	Perimeter	MGP	14.85	1.95	1.67
6/6/2007	Matt Tozer	COLUMBUS	Perimeter	MGP	13.30	1.05	1.67
6/6/2007	Matt Tozer	COLUMBUS	Perimeter	MGP	6.85	1.15	1.67
6/6/2007	Matt Tozer	COLUMBUS	Perimeter	MGP	4.80		1.67
6/6/2007	Matt Tozer	COLUMBUS	Perimeter	MGP	11.05		1.67
6/6/2007	Matt Tozer	COLUMBUS	Perimeter	MGP	28.00		1.67
6/6/2007	Matt Tozer	COLUMBUS	Perimeter	MGP	11.10		1.67
6/6/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	24.40	1.25	1.00
6/6/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	14.15	0.85	1.00

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/6/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	20.80	0.60	1.00
6/6/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	24.15	0.40	1.00
6/6/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	5.65	0.00	1.00
6/6/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	17.40	0.10	1.00
6/6/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	22.65	1.65	1.00
6/6/2007	Zach DiStefano	HOFFMAN	Interior	MGP	19.35	5.98	2.00
6/6/2007	Zach DiStefano	HOFFMAN	Interior	MGP	7.30		2.00
6/6/2007	Zach DiStefano	HOFFMAN	Interior	Paper	13.90	0.15	2.00
6/6/2007	Zach DiStefano	HOFFMAN	Interior	Paper	5.75		2.00
6/6/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	18.35	6.01	1.40
6/6/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	16.20	7.30	1.40
6/6/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	10.35	6.15	1.40
6/6/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	18.05	8.65	1.40
6/6/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	13.80	5.89	1.40
6/6/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	12.25		1.40
6/6/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	8.65		1.40
6/6/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	19.50	4.25	1.20
6/6/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	11.40	0.25	1.20
6/6/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	24.75	2.10	1.20
6/6/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	7.50	0.20	1.20
6/6/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	13.00	0.40	1.20
6/6/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	45.95		1.20
6/6/2007	Zach DiStefano	POE	Interior	MGP	20.60	12.80	1.00
6/6/2007	Zach DiStefano	POE	Interior	MGP	8.40	3.50	1.00
6/6/2007	Zach DiStefano	POE	Interior	Paper	30.80	3.60	1.00
6/6/2007	Zach DiStefano	POE	Interior	Paper	7.70	6.05	1.00
6/6/2007	Zach DiStefano	POE	Perimeter	MGP	19.55	8.10	1.00
6/6/2007	Zach DiStefano	POE	Perimeter	MGP	29.20	17.50	1.00
6/6/2007	Zach DiStefano	POE	Perimeter	MGP	12.40	5.90	1.00
6/6/2007	Zach DiStefano	POE	Perimeter	MGP	13.60	8.25	1.00
6/6/2007	Zach DiStefano	POE	Perimeter	MGP	17.40	9.15	1.00
6/6/2007	Zach DiStefano	POE	Perimeter	Paper	6.80	3.45	1.50
6/6/2007	Zach DiStefano	POE	Perimeter	Paper	33.65	31.05	1.50
6/6/2007	Zach DiStefano	POE	Perimeter	Paper	14.00	6.30	1.50
6/6/2007	Zach DiStefano	POE	Perimeter	Paper	11.95	1.30	1.50
6/6/2007	Zach DiStefano	POE	Perimeter	Paper	25.50		1.50
6/6/2007	Zach DiStefano	POE	Perimeter	Paper	27.70		1.50
6/6/2007	Ijahi Terry	ST GEORGE	Interior	MGP	10.75	4.10	1.33
6/6/2007	Ijahi Terry	ST GEORGE	Interior	MGP	24.75	10.15	1.33
6/6/2007	Ijahi Terry	ST GEORGE	Interior	MGP	13.35	8.25	1.33
6/6/2007	Ijahi Terry	ST GEORGE	Interior	MGP	10.55	2.25	1.33
6/6/2007	Ijahi Terry	ST GEORGE	Interior	MGP	13.50	7.25	1.33
6/6/2007	Ijahi Terry	ST GEORGE	Interior	MGP	16.00	4.20	1.33
6/6/2007	Ijahi Terry	ST GEORGE	Interior	MGP	17.45	4.50	1.33
6/6/2007	Ijahi Terry	ST GEORGE	Interior	MGP	29.15	9.95	1.33
6/6/2007	Ijahi Terry	ST GEORGE	Interior	MGP	16.25	8.24	1.33
6/6/2007	Ijahi Terry	ST GEORGE	Interior	MGP	8.90	4.15	1.33
6/6/2007	Ijahi Terry	ST GEORGE	Interior	MGP	25.60	9.60	1.33
6/6/2007	Ijahi Terry	ST GEORGE	Interior	MGP	17.25	4.10	1.33
6/6/2007	Ijahi Terry	ST GEORGE	Interior	MGP	15.50		1.33
6/6/2007	Ijahi Terry	ST GEORGE	Interior	MGP	16.20		1.33
6/6/2007	Ijahi Terry	ST GEORGE	Interior	MGP	16.45		1.33
6/6/2007	Ijahi Terry	ST GEORGE	Interior	MGP	8.65		1.33
6/6/2007	Ijahi Terry	ST GEORGE	Interior	Paper	21.80	0.15	1.15

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/6/2007	Ijahi Terry	ST GEORGE	Interior	Paper	16.40	0.20	1.15
6/6/2007	Ijahi Terry	ST GEORGE	Interior	Paper	15.10	0.25	1.15
6/6/2007	Ijahi Terry	ST GEORGE	Interior	Paper	14.50	1.65	1.15
6/6/2007	Ijahi Terry	ST GEORGE	Interior	Paper	10.35	0.40	1.15
6/6/2007	Ijahi Terry	ST GEORGE	Interior	Paper	15.55	0.00	1.15
6/6/2007	Ijahi Terry	ST GEORGE	Interior	Paper	14.90	0.40	1.15
6/6/2007	Ijahi Terry	ST GEORGE	Interior	Paper	63.50	0.10	1.15
6/6/2007	Ijahi Terry	ST GEORGE	Interior	Paper	68.40	0.20	1.15
6/6/2007	Ijahi Terry	ST GEORGE	Interior	Paper	48.90	1.35	1.15
6/6/2007	Ijahi Terry	ST GEORGE	Interior	Paper	43.20	0.25	1.15
6/6/2007	Ijahi Terry	ST GEORGE	Interior	Paper	43.80	0.25	1.15
6/6/2007	Ijahi Terry	ST GEORGE	Interior	Paper	51.35	1.85	1.15
6/6/2007	Ijahi Terry	ST GEORGE	Interior	Paper	80.80		1.15
6/6/2007	Ijahi Terry	ST GEORGE	Interior	Paper	66.10		1.15
6/6/2007	Ijahi Terry	TAPPEN	Interior	MGP	4.50	2.50	1.00
6/6/2007	Ijahi Terry	TAPPEN	Interior	MGP	2.40	1.51	1.00
6/6/2007	Ijahi Terry	TAPPEN	Interior	Paper	15.05	0.55	1.00
6/6/2007	Ijahi Terry	TAPPEN	Interior	Paper	17.70	3.50	1.00
6/6/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	2.65	1.10	2.00
6/6/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	6.75	2.45	2.00
6/6/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	8.25	3.35	2.00
6/6/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	9.35	6.97	2.00
6/6/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	8.65	3.42	2.00
6/6/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	6.70		2.00
6/6/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	5.65		2.00
6/6/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	15.65		2.00
6/6/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	11.40		2.00
6/6/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	11.05		2.00
6/6/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	5.25	0.30	1.00
6/6/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	14.50	1.85	1.00
6/6/2007	Matt Tozer	UNION SQUARE	Interior	Paper	23.20	0.25	3.00
6/6/2007	Matt Tozer	UNION SQUARE	Interior	Paper	16.30	0.25	3.00
6/6/2007	Matt Tozer	UNION SQUARE	Interior	Paper	26.90	0.45	3.00
6/6/2007	Matt Tozer	UNION SQUARE	Interior	Paper	2.65	0.00	3.00
6/6/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	10.50	1.70	3.00
6/6/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	5.20	0.80	3.00
6/6/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	4.15	1.25	3.00
6/6/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	6.85	0.61	3.00
6/6/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	15.00		3.00
6/6/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	20.15		3.00
6/6/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	20.25		3.00
6/6/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	8.70		3.00
6/6/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	4.25		3.00
6/6/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	17.80		3.00
6/6/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	20.15		3.00
6/6/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	10.25		3.00
6/6/2007	Zach DiStefano	UNION SQUARE	Interior	Paper	14.95		3.00
6/6/2007	Zach DiStefano	UNION SQUARE	Interior	Paper	15.50		3.00
6/6/2007	Zach DiStefano	UNION SQUARE	Interior	Paper	10.00		3.00
6/6/2007	Zach DiStefano	UNION SQUARE	Interior	Paper	37.15		3.00
6/6/2007	Zach DiStefano	UNION SQUARE	Interior	Paper	11.55		3.00
6/6/2007	Zach DiStefano	UNION SQUARE	Interior	Paper	33.70		3.00
6/6/2007	Zach DiStefano	UNION SQUARE	Interior	Paper	20.35		3.00
6/6/2007	Zach DiStefano	UNION SQUARE	Interior	Paper	24.25		3.00

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/6/2007	Ijahi Terry	UNION SQUARE	Perimeter	Paper	17.05	0.05	1.96
6/6/2007	Ijahi Terry	UNION SQUARE	Perimeter	Paper	12.15	0.10	1.96
6/6/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	8.65	0.15	1.96
6/6/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	13.00	0.05	1.96
6/6/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	17.15	0.15	1.96
6/6/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	14.45	0.20	1.96
6/6/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	16.40	0.40	1.96
6/6/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	13.30	0.00	1.96
6/6/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	14.38	0.30	1.96
6/6/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	17.55	0.20	1.96
6/6/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	8.20	0.25	1.96
6/6/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	10.20	0.00	1.96
6/6/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	16.05	0.20	1.96
6/6/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	16.45	0.80	1.96
6/6/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	15.40	1.05	1.96
6/6/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	22.05	0.30	1.96
6/6/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	16.35	0.90	1.96
6/6/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	7.40	0.70	1.96
6/6/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	10.60	0.25	1.96
6/6/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	12.65	0.90	1.96
6/6/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	21.15	0.25	1.96
6/6/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	22.40	0.80	1.96
6/6/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	16.20	3.25	1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	9.05	2.70	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	3.55	1.25	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	17.85	6.90	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	7.30	1.78	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	11.55	3.57	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	9.60	0.80	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	8.90	3.57	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	7.50	1.06	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	6.55	1.30	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	19.50	3.15	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	13.90	2.17	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	18.50	6.45	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	21.15	3.31	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	16.50	4.10	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	15.85	2.35	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	4.80	0.90	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	18.55	5.80	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	7.35	0.83	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	11.65	1.58	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	6.35	1.70	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	12.80	4.22	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	5.80	0.30	1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	11.50		1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	19.50		1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	8.70		1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	10.05		1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	7.35		1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	17.60		1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	17.15		1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	22.30		1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	12.40		1.95

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	18.60		1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	14.70		1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	12.90		1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	16.75		1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	20.80		1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	18.70		1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	18.95		1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	11.75		1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	7.00		1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	13.50		1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	13.60		1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	12.40		1.95
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	18.90		1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	3.75		1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	13.40		1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	32.35		1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	15.15		1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	38.95		1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	30.70		1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	8.85		1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	3.85		1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	13.95		1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	34.65		1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	13.35		1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	72.55		1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	51.45		1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	19.85		1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	23.15		1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	22.40		1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	14.95		1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	47.70		1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	28.95		1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	15.90		1.96
6/6/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	21.85		1.96
6/6/2007	Ijahi Terry	WHITEHALL	Interior	MGP	6.40	3.45	1.23
6/6/2007	Ijahi Terry	WHITEHALL	Interior	MGP	7.35	2.85	1.23
6/6/2007	Ijahi Terry	WHITEHALL	Interior	MGP	16.90	5.90	1.23
6/6/2007	Ijahi Terry	WHITEHALL	Interior	MGP	8.20	4.15	1.23
6/6/2007	Ijahi Terry	WHITEHALL	Interior	MGP	15.20		1.23
6/6/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.70		1.23
6/6/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.70		1.23
6/6/2007	Ijahi Terry	WHITEHALL	Interior	MGP	11.45		1.23
6/6/2007	Ijahi Terry	WHITEHALL	Interior	MGP	19.05		1.23
6/6/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.80		1.23
6/6/2007	Ijahi Terry	WHITEHALL	Interior	MGP	6.55		1.23
6/6/2007	Ijahi Terry	WHITEHALL	Interior	MGP	7.50		1.23
6/6/2007	Ijahi Terry	WHITEHALL	Interior	MGP	5.20		1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	5.95	1.25	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	5.45	2.95	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	5.15	3.95	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	12.45	4.75	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	11.85	4.50	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	9.25	4.95	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	17.85	3.75	1.23

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	14.15	7.50	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	6.40	3.40	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	15.30	7.95	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	12.25	2.75	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	15.55	10.80	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	9.40	6.25	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	12.85	5.65	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	14.45	5.80	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	3.90	0.90	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	10.30	2.55	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	10.35	5.00	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	5.40	1.30	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	15.60	3.80	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	16.10	1.80	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	10.75	4.20	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	19.00	6.75	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	17.40	5.10	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	9.55	3.50	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	10.00	1.10	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	9.75	4.90	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	16.70	5.45	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	17.20	11.25	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	5.40	4.10	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	8.30	4.80	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	10.60	5.85	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	5.65	2.25	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	10.95	2.90	1.23
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	15.60	7.95	1.23
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	4.40	0.00	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	10.85	0.00	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	11.30	0.25	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	3.85	0.70	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	6.00	0.40	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	9.10	0.10	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	14.55	0.15	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	3.70	0.20	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	13.70	0.30	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.85	0.35	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	3.90	0.00	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	33.20	0.05	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.25	0.55	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	5.75	0.05	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	2.70	0.10	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	20.85	0.10	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	3.95	2.50	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.10	0.15	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	6.90	0.40	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	10.05	0.40	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	22.60	0.40	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	17.45	1.05	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	5.40	0.90	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	12.55	0.05	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	2.65	0.60	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	25.60	0.30	1.45

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.15	0.00	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	22.70	0.15	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	23.10	0.05	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.90	0.05	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	25.70	0.40	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	13.80	0.15	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	24.10	0.45	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	6.55	0.30	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	51.30	0.05	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	18.00	0.25	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	10.10	0.00	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	9.20	0.05	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.25	0.40	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.65	0.35	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	19.10	0.85	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	6.00	0.30	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.05	1.55	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	18.25	0.10	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	16.65	0.10	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.15	0.10	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	3.90	0.00	1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	11.15		1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.10		1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	46.35		1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	47.60		1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	9.45		1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	60.00		1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	32.65		1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	32.00		1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	30.60		1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	39.15		1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	22.15		1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	21.20		1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	46.55		1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.40		1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	24.35		1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	22.80		1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	11.20		1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	91.50		1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	32.75		1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	12.75		1.45
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	5.30		1.45
6/13/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	6.00	1.75	1.33
6/13/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	5.70	1.60	1.33
6/13/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	5.30	4.15	1.33
6/13/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	9.05		1.33
6/13/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	6.65	0.10	2.00
6/13/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	7.50	0.10	2.00
6/13/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	2.75		2.00
6/13/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	2.45		2.00
6/13/2007	Zach DiStefano	CLOVE LAKES	Perimeter	MGP	4.95	1.50	1.00
6/13/2007	Zach DiStefano	CLOVE LAKES	Perimeter	MGP	9.25	3.20	1.00
6/13/2007	Zach DiStefano	CLOVE LAKES	Perimeter	MGP	9.30	1.39	1.00
6/13/2007	Zach DiStefano	CLOVE LAKES	Perimeter	Paper	10.00	0.80	1.50

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/13/2007	Zach DiStefano	CLOVE LAKES	Perimeter	Paper	4.95	0.20	1.50
6/13/2007	Zach DiStefano	CLOVE LAKES	Perimeter	Paper	17.75		1.50
6/13/2007	Alice Henshaw	COLUMBUS	Interior	MGP	19.75	9.50	1.75
6/13/2007	Alice Henshaw	COLUMBUS	Interior	MGP	8.80	5.20	1.75
6/13/2007	Alice Henshaw	COLUMBUS	Interior	MGP	12.70	5.15	1.75
6/13/2007	Alice Henshaw	COLUMBUS	Interior	MGP	12.90	0.90	1.75
6/13/2007	Alice Henshaw	COLUMBUS	Interior	MGP	12.15		1.75
6/13/2007	Alice Henshaw	COLUMBUS	Interior	MGP	16.15		1.75
6/13/2007	Alice Henshaw	COLUMBUS	Interior	MGP	10.40		1.75
6/13/2007	Alice Henshaw	COLUMBUS	Interior	Paper	25.30	2.50	1.20
6/13/2007	Alice Henshaw	COLUMBUS	Interior	Paper	17.20	0.60	1.20
6/13/2007	Alice Henshaw	COLUMBUS	Interior	Paper	22.50	0.10	1.20
6/13/2007	Alice Henshaw	COLUMBUS	Interior	Paper	19.40	0.35	1.20
6/13/2007	Alice Henshaw	COLUMBUS	Interior	Paper	9.85	0.70	1.20
6/13/2007	Alice Henshaw	COLUMBUS	Interior	Paper	10.45		1.20
6/13/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	6.60	2.65	1.80
6/13/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	17.45	4.50	1.80
6/13/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	5.65	2.20	1.80
6/13/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	11.05		1.80
6/13/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	12.45	3.05	1.80
6/13/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	2.60	0.00	1.80
6/13/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	5.10		1.80
6/13/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	8.70		1.80
6/13/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	20.05		1.80
6/13/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	17.20	0.45	1.83
6/13/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	13.00	1.05	1.83
6/13/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	26.90	0.10	1.83
6/13/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	47.25	0.45	1.83
6/13/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	16.95	0.05	1.83
6/13/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	29.55	0.35	1.83
6/13/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	4.00		1.83
6/13/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	9.65		1.83
6/13/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	4.45		1.83
6/13/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	24.75		1.83
6/13/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	28.80		1.83
6/13/2007	Zach DiStefano	HOFFMAN	Interior	MGP	4.45	1.60	2.00
6/13/2007	Zach DiStefano	HOFFMAN	Interior	MGP	2.95		2.00
6/13/2007	Zach DiStefano	HOFFMAN	Interior	Paper	13.20	4.95	2.00
6/13/2007	Zach DiStefano	HOFFMAN	Interior	Paper	4.40		2.00
6/13/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	4.40	1.20	1.00
6/13/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	12.60	4.65	1.00
6/13/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	7.35	2.50	1.00
6/13/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	14.50	3.45	1.00
6/13/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	17.80	9.10	1.00
6/13/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	21.60	1.95	1.60
6/13/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	8.50	5.60	1.60
6/13/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	13.30	1.75	1.60
6/13/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	7.75	0.20	1.60
6/13/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	17.10	0.45	1.60
6/13/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	17.75		1.60
6/13/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	14.40		1.60
6/13/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	26.35		1.60
6/13/2007	Alice Henshaw	POE	Interior	MGP	22.75	16.40	1.00
6/13/2007	Alice Henshaw	POE	Interior	MGP	10.20	6.90	1.00

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/13/2007	Alice Henshaw	POE	Perimeter	MGP	15.60	10.05	1.20
6/13/2007	Alice Henshaw	POE	Perimeter	MGP	9.75	4.90	1.20
6/13/2007	Alice Henshaw	POE	Perimeter	MGP	19.80	11.10	1.20
6/13/2007	Alice Henshaw	POE	Perimeter	MGP	8.20	4.55	1.20
6/13/2007	Alice Henshaw	POE	Perimeter	MGP	32.50	29.05	1.20
6/13/2007	Alice Henshaw	POE	Perimeter	MGP	10.35		1.20
6/13/2007	Alice Henshaw	POE	Perimeter	Paper	9.15	3.95	1.75
6/13/2007	Alice Henshaw	POE	Perimeter	Paper	6.80	2.60	1.75
6/13/2007	Alice Henshaw	POE	Perimeter	Paper	3.90	0.90	1.75
6/13/2007	Alice Henshaw	POE	Perimeter	Paper	7.00	3.10	1.75
6/13/2007	Alice Henshaw	POE	Perimeter	Paper	11.10		1.75
6/13/2007	Alice Henshaw	POE	Perimeter	Paper	2.25		1.75
6/13/2007	Alice Henshaw	POE	Perimeter	Paper	4.70		1.75
6/13/2007	Ijahi Terry	ST GEORGE	Interior	MGP	16.55	2.75	2.00
6/13/2007	Ijahi Terry	ST GEORGE	Interior	MGP	16.15	2.75	2.00
6/13/2007	Ijahi Terry	ST GEORGE	Interior	MGP	7.55	3.20	2.00
6/13/2007	Ijahi Terry	ST GEORGE	Interior	MGP	18.65	7.40	2.00
6/13/2007	Ijahi Terry	ST GEORGE	Interior	MGP	18.20	3.95	2.00
6/13/2007	Ijahi Terry	ST GEORGE	Interior	MGP	6.25	4.25	2.00
6/13/2007	Ijahi Terry	ST GEORGE	Interior	MGP	24.05	7.15	2.00
6/13/2007	Ijahi Terry	ST GEORGE	Interior	MGP	11.85	3.50	2.00
6/13/2007	Ijahi Terry	ST GEORGE	Interior	MGP	15.45	5.40	2.00
6/13/2007	Ijahi Terry	ST GEORGE	Interior	MGP	16.65	4.00	2.00
6/13/2007	Ijahi Terry	ST GEORGE	Interior	MGP	9.75		2.00
6/13/2007	Ijahi Terry	ST GEORGE	Interior	MGP	9.05		2.00
6/13/2007	Ijahi Terry	ST GEORGE	Interior	MGP	8.75		2.00
6/13/2007	Ijahi Terry	ST GEORGE	Interior	MGP	29.50		2.00
6/13/2007	Ijahi Terry	ST GEORGE	Interior	MGP	18.65		2.00
6/13/2007	Ijahi Terry	ST GEORGE	Interior	MGP	14.60		2.00
6/13/2007	Ijahi Terry	ST GEORGE	Interior	MGP	9.35		2.00
6/13/2007	Ijahi Terry	ST GEORGE	Interior	MGP	24.00		2.00
6/13/2007	Ijahi Terry	ST GEORGE	Interior	MGP	20.85		2.00
6/13/2007	Ijahi Terry	ST GEORGE	Interior	MGP	17.00		2.00
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	18.35	0.25	2.09
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	23.10	0.55	2.09
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	19.00	0.50	2.09
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	11.25	0.90	2.09
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	14.90	2.05	2.09
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	24.85	2.60	2.09
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	16.95	0.05	2.09
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	6.75	0.30	2.09
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	1.45	0.00	2.09
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	14.00	0.25	2.09
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	12.00	0.30	2.09
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	21.20		2.09
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	32.15		2.09
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	30.50		2.09
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	14.60		2.09
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	28.90		2.09
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	9.85		2.09
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	29.05		2.09
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	33.40		2.09
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	20.75		2.09
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	36.85		2.09

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	19.10		2.09
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	49.40		2.09
6/13/2007	Ijahi Terry	TAPPEN	Interior	MGP	4.60	4.03	1.50
6/13/2007	Ijahi Terry	TAPPEN	Interior	MGP	7.95	6.74	1.50
6/13/2007	Ijahi Terry	TAPPEN	Interior	MGP	7.00		1.50
6/13/2007	Ijahi Terry	TAPPEN	Interior	Paper	12.20	2.10	2.00
6/13/2007	Ijahi Terry	TAPPEN	Interior	Paper	16.05		2.00
6/13/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	8.25	7.60	1.60
6/13/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	4.20	1.75	1.60
6/13/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	2.70	1.20	1.60
6/13/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	10.60	2.15	1.60
6/13/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	12.85	5.03	1.60
6/13/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	12.05		1.60
6/13/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	8.65		1.60
6/13/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	3.00		1.60
6/13/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	5.65	0.10	1.20
6/13/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	3.00	0.20	1.20
6/13/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	3.95	2.35	1.20
6/13/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	7.85	0.50	1.20
6/13/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	34.45	0.00	1.20
6/13/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	38.45		1.20
6/13/2007	Melissa Hamilton	UNION SQUARE	Interior	Paper	9.00	0.00	1.00
6/13/2007	Melissa Hamilton	UNION SQUARE	Interior	Paper	37.25	0.40	1.00
6/13/2007	Melissa Hamilton	UNION SQUARE	Interior	Paper	26.35	0.30	1.00
6/13/2007	Melissa Hamilton	UNION SQUARE	Interior	Paper	22.10	0.75	1.00
6/13/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	20.05	3.58	1.00
6/13/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	20.55	4.62	1.00
6/13/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	12.60	3.53	1.00
6/13/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	6.45	1.00	1.00
6/13/2007	John Mastrogiacomo	UNION SQUARE	Perimeter	MGP	16.95		2.11
6/13/2007	John Mastrogiacomo	UNION SQUARE	Perimeter	MGP	11.50		2.11
6/13/2007	John Mastrogiacomo	UNION SQUARE	Perimeter	MGP	21.85		2.11
6/13/2007	John Mastrogiacomo	UNION SQUARE	Perimeter	MGP	12.70		2.11
6/13/2007	John Mastrogiacomo	UNION SQUARE	Perimeter	MGP	10.40		2.11
6/13/2007	John Mastrogiacomo	UNION SQUARE	Perimeter	MGP	17.50		2.11
6/13/2007	John Mastrogiacomo	UNION SQUARE	Perimeter	MGP	10.25		2.11
6/13/2007	John Mastrogiacomo	UNION SQUARE	Perimeter	MGP	4.90		2.11
6/13/2007	John Mastrogiacomo	UNION SQUARE	Perimeter	MGP	1.40		2.11
6/13/2007	John Mastrogiacomo	UNION SQUARE	Perimeter	MGP	28.65		2.11
6/13/2007	John Mastrogiacomo	UNION SQUARE	Perimeter	MGP	23.95		2.11
6/13/2007	John Mastrogiacomo	UNION SQUARE	Perimeter	MGP	12.70		2.11
6/13/2007	John Mastrogiacomo	UNION SQUARE	Perimeter	MGP	14.75		2.11
6/13/2007	John Mastrogiacomo	UNION SQUARE	Perimeter	MGP	12.15		2.11
6/13/2007	John Mastrogiacomo	UNION SQUARE	Perimeter	MGP	18.00		2.11
6/13/2007	John Mastrogiacomo	UNION SQUARE	Perimeter	MGP	13.74		2.11
6/13/2007	John Mastrogiacomo	UNION SQUARE	Perimeter	MGP	29.55		2.11
6/13/2007	John Mastrogiacomo	UNION SQUARE	Perimeter	MGP	27.30		2.11
6/13/2007	John Mastrogiacomo	UNION SQUARE	Perimeter	MGP	4.80		2.11
6/13/2007	John Mastrogiacomo	UNION SQUARE	Perimeter	MGP	15.45		2.11
6/13/2007	John Mastrogiacomo	UNION SQUARE	Perimeter	MGP	2.50		2.11
6/13/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	21.25	0.40	1.70
6/13/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	34.80	0.45	1.70
6/13/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	18.55	0.05	1.70
6/13/2007	Melissa Hamilton	UNION SQUARE	Perimeter	Paper	40.45	0.00	1.70

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	10.85	2.32	2.11
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	12.85	4.60	2.11
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	20.55	4.46	2.11
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	2.55	0.15	2.11
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	22.15	7.25	2.11
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	23.35	1.42	2.11
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	18.25	5.10	2.11
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	14.70	2.04	2.11
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	17.60	6.70	2.11
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	25.10	7.35	2.11
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	14.80	2.82	2.11
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	19.85	8.40	2.11
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	24.10	4.95	2.11
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	11.45	2.95	2.11
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	15.05	3.11	2.11
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	21.10	5.60	2.11
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	13.00	3.29	2.11
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	8.90	2.00	2.11
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	11.80	3.90	2.11
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	50.55	0.65	1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	17.85	0.25	1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	45.60	0.55	1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	31.75	0.05	1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	40.00	1.20	1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	19.80	0.35	1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	19.85	0.70	1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	50.70	0.35	1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	64.25	4.05	1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	41.85	0.00	1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	44.35	1.50	1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	28.45	0.10	1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	29.15	0.45	1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	25.00	1.00	1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	21.10	0.40	1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	14.55	2.10	1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	22.40		1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	32.30		1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	19.60		1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	39.30		1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	13.75		1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	25.35		1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	33.65		1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	35.75		1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	23.90		1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	25.80		1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	35.20		1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	12.40		1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	24.85		1.70
6/13/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	42.75		1.70
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	16.60	0.05	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	112.30	1.45	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	5.55	0.30	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	8.25	0.05	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	23.45	0.30	1.55

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	20.45	0.00	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	15.10	0.15	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	17.30	0.05	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	28.00	0.10	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	13.85	0.80	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	7.75	0.00	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	4.65	0.20	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	11.90	0.05	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	10.25	0.05	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	26.05	0.10	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	18.45	0.05	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	25.85	0.00	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	22.20	0.65	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	9.70	0.00	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	10.15	0.00	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	18.85	0.10	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	7.60	0.15	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	32.05	0.00	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	48.35	0.05	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	6.40	0.10	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	25.00	0.00	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	4.50	0.00	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	11.65	0.15	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	14.25	1.85	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	12.05	0.30	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	7.90	0.60	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	6.10	0.30	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	4.35	0.00	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	15.70	0.00	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	12.40	0.80	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	9.35	0.15	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	13.40	0.00	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	12.50	0.00	1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	10.80		1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	11.10		1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	6.00		1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	10.40		1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	7.20		1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	21.15		1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	13.40		1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	20.85		1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	3.80		1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	9.00		1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	9.15		1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	6.15		1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	58.90		1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	6.25		1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	13.85		1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	15.30		1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	14.75		1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	14.35		1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	22.35		1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	15.60		1.55
6/13/2007	Alice Henshaw	WHITEHALL	Interior	Paper	7.65		1.55

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	5.65	3.75	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	10.75	4.40	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	10.10	3.25	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	11.70	2.80	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	11.60	6.63	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.95	2.80	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	8.50	2.75	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	8.45	2.20	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	4.80	1.30	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	16.00	8.85	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	6.95	3.35	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	8.55	3.55	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	8.95	3.01	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	4.80	3.35	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	7.60	3.60	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	11.05	6.25	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	11.75	4.80	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	14.75	5.92	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	8.80	4.70	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.90	5.30	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.30	2.60	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	13.40	5.85	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.60	5.55	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.35	3.50	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.25	3.70	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	6.75	2.00	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.90	3.15	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	3.85	2.60	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	7.30	2.90	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	17.45	4.30	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	18.60	11.10	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	10.15	5.10	1.73
6/13/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.85	4.56	1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	6.95		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	7.00		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	4.50		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	11.10		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	19.15		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	22.50		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	9.60		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	7.40		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	16.40		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	16.75		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	25.65		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	7.70		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	7.60		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	18.30		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	11.10		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	12.75		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	17.25		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	17.25		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	21.70		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	22.60		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	9.75		1.73

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	13.10		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	12.20		1.73
6/13/2007	John Mastrogiacomo	WHITEHALL	Interior	MGP	6.95		1.73
6/20/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	35.00	20.80	1.33
6/20/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	7.95	4.25	1.33
6/20/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	13.35	0.60	1.33
6/20/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	2.40		1.33
6/20/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	6.50	0.35	1.50
6/20/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	3.45	1.70	1.50
6/20/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	2.10		1.50
6/20/2007	Zach DiStefano	CLOVE LAKES	Perimeter	MGP	18.85	3.34	1.33
6/20/2007	Zach DiStefano	CLOVE LAKES	Perimeter	MGP	1.75	1.15	1.33
6/20/2007	Zach DiStefano	CLOVE LAKES	Perimeter	MGP	0.90	0.35	1.33
6/20/2007	Zach DiStefano	CLOVE LAKES	Perimeter	MGP	4.55		1.33
6/20/2007	Zach DiStefano	CLOVE LAKES	Perimeter	Paper	10.00	0.05	1.00
6/20/2007	Zach DiStefano	CLOVE LAKES	Perimeter	Paper	1.85	1.80	1.00
6/20/2007	Zach DiStefano	CLOVE LAKES	Perimeter	Paper	19.55	0.20	1.00
6/20/2007	Zach DiStefano	CLOVE LAKES	Perimeter	Paper	7.05	0.10	1.00
6/20/2007	Alice Henshaw	COLUMBUS	Interior	MGP	24.85	11.40	1.00
6/20/2007	Alice Henshaw	COLUMBUS	Interior	MGP	8.05	4.55	1.00
6/20/2007	Alice Henshaw	COLUMBUS	Interior	MGP	11.80	4.15	1.00
6/20/2007	Alice Henshaw	COLUMBUS	Interior	MGP	10.30	4.00	1.00
6/20/2007	Alice Henshaw	COLUMBUS	Interior	Paper	24.55	0.70	1.40
6/20/2007	Alice Henshaw	COLUMBUS	Interior	Paper	20.75	0.15	1.40
6/20/2007	Alice Henshaw	COLUMBUS	Interior	Paper	20.80	1.85	1.40
6/20/2007	Alice Henshaw	COLUMBUS	Interior	Paper	23.85	0.15	1.40
6/20/2007	Alice Henshaw	COLUMBUS	Interior	Paper	16.85	1.10	1.40
6/20/2007	Alice Henshaw	COLUMBUS	Interior	Paper	29.45		1.40
6/20/2007	Alice Henshaw	COLUMBUS	Interior	Paper	19.75		1.40
6/20/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	14.35	4.25	1.00
6/20/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	22.70	4.02	1.00
6/20/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	15.70	7.40	1.00
6/20/2007	Alice Henshaw	COLUMBUS	Perimeter	MGP	29.20	5.10	1.00
6/20/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	32.95	0.30	1.00
6/20/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	34.05	1.15	1.00
6/20/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	35.60	0.05	1.00
6/20/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	24.65	0.35	1.00
6/20/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	16.25	0.25	1.00
6/20/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	20.75	0.50	1.00
6/20/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	24.85	0.65	1.00
6/20/2007	Alice Henshaw	COLUMBUS	Perimeter	Paper	14.55	0.05	1.00
6/20/2007	Zach DiStefano	HOFFMAN	Interior	MGP	8.95	4.03	2.00
6/20/2007	Zach DiStefano	HOFFMAN	Interior	MGP	2.40		2.00
6/20/2007	Zach DiStefano	HOFFMAN	Interior	Paper	2.95	0.20	1.00
6/20/2007	Zach DiStefano	HOFFMAN	Interior	Paper	1.80	0.70	1.00
6/20/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	12.30	4.45	1.00
6/20/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	9.70	3.73	1.00
6/20/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	15.75	6.70	1.00
6/20/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	14.95	4.68	1.00
6/20/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	22.60	11.50	1.00
6/20/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	5.90	2.35	1.00
6/20/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	32.50	0.30	1.40
6/20/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	25.55	3.90	1.40
6/20/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	5.95	0.45	1.40

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/20/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	22.50	3.00	1.40
6/20/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	13.85	2.40	1.40
6/20/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	12.20		1.40
6/20/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	12.45		1.40
6/20/2007	Alice Henshaw	POE	Interior	MGP	15.35	6.35	1.00
6/20/2007	Alice Henshaw	POE	Interior	MGP	8.45	3.60	1.00
6/20/2007	Alice Henshaw	POE	Perimeter	MGP	7.60	4.55	1.00
6/20/2007	Alice Henshaw	POE	Perimeter	MGP	21.90	14.45	1.00
6/20/2007	Alice Henshaw	POE	Perimeter	MGP	18.25	14.35	1.00
6/20/2007	Alice Henshaw	POE	Perimeter	MGP	19.85	12.00	1.00
6/20/2007	Alice Henshaw	POE	Perimeter	MGP	16.95	11.35	1.00
6/20/2007	Alice Henshaw	POE	Perimeter	Paper	6.65	2.85	1.00
6/20/2007	Alice Henshaw	POE	Perimeter	Paper	9.20	4.45	1.00
6/20/2007	Alice Henshaw	POE	Perimeter	Paper	13.60	6.20	1.00
6/20/2007	Alice Henshaw	POE	Perimeter	Paper	6.40	6.10	1.00
6/20/2007	Alice Henshaw	POE	Perimeter	Paper	1.85	0.85	1.00
6/20/2007	Alice Henshaw	POE	Perimeter	Paper	4.70	0.60	1.00
6/20/2007	Alice Henshaw	POE	Perimeter	Paper	3.60	1.00	1.00
6/20/2007	Ijahi Terry	ST GEORGE	Interior	MGP	22.55	7.11	1.25
6/20/2007	Ijahi Terry	ST GEORGE	Interior	MGP	26.35	7.50	1.25
6/20/2007	Ijahi Terry	ST GEORGE	Interior	MGP	11.35	1.22	1.25
6/20/2007	Ijahi Terry	ST GEORGE	Interior	MGP	4.35	2.20	1.25
6/20/2007	Ijahi Terry	ST GEORGE	Interior	MGP	12.40	7.16	1.25
6/20/2007	Ijahi Terry	ST GEORGE	Interior	MGP	13.20	5.25	1.25
6/20/2007	Ijahi Terry	ST GEORGE	Interior	MGP	16.45	5.70	1.25
6/20/2007	Ijahi Terry	ST GEORGE	Interior	MGP	1.45	0.59	1.25
6/20/2007	Ijahi Terry	ST GEORGE	Interior	MGP	5.70	1.10	1.25
6/20/2007	Ijahi Terry	ST GEORGE	Interior	MGP	4.45	1.80	1.25
6/20/2007	Ijahi Terry	ST GEORGE	Interior	MGP	13.60	4.10	1.25
6/20/2007	Ijahi Terry	ST GEORGE	Interior	MGP	11.15	3.15	1.25
6/20/2007	Ijahi Terry	ST GEORGE	Interior	MGP	16.70		1.25
6/20/2007	Ijahi Terry	ST GEORGE	Interior	MGP	19.20		1.25
6/20/2007	Ijahi Terry	ST GEORGE	Interior	MGP	26.25		1.25
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	14.30	0.15	1.16
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	21.10	0.00	1.16
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	19.30	0.00	1.16
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	16.20	0.00	1.16
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	11.20	0.20	1.16
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	14.60	0.05	1.16
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	2.65	0.05	1.16
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	10.40	0.10	1.16
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	12.65	0.90	1.16
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	3.45	0.30	1.16
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	18.90	0.10	1.16
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	22.70	0.20	1.16
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	14.60	2.10	1.16
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	18.60	0.05	1.16
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	18.45	0.35	1.16
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	17.55	0.25	1.16
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	10.70	0.75	1.16
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	30.95	0.00	1.16
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	23.75	0.75	1.16
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	54.85		1.16
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	31.60		1.16

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/20/2007	Ijahi Terry	ST GEORGE	Interior	Paper	70.50		1.16
6/20/2007	Ijahi Terry	TAPPEN	Interior	MGP	10.60	2.20	1.00
6/20/2007	Ijahi Terry	TAPPEN	Interior	MGP	9.95	3.00	1.00
6/20/2007	Ijahi Terry	TAPPEN	Interior	Paper	8.80	0.45	2.00
6/20/2007	Ijahi Terry	TAPPEN	Interior	Paper	9.25		2.00
6/20/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	14.80	6.75	1.00
6/20/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	20.25	5.70	1.00
6/20/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	8.50	3.00	1.00
6/20/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	2.55	0.45	1.00
6/20/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	11.10	1.90	1.50
6/20/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	7.40	1.15	1.50
6/20/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	5.80	1.00	1.50
6/20/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	9.25	9.00	1.50
6/20/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	27.80		1.50
6/20/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	4.25		1.50
6/20/2007	Emily Bedwell	UNION SQUARE	Interior	Paper	27.10	0.15	1.00
6/20/2007	Emily Bedwell	UNION SQUARE	Interior	Paper	14.30	0.35	1.00
6/20/2007	Emily Bedwell	UNION SQUARE	Interior	Paper	35.05	1.80	1.00
6/20/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	10.80	2.50	1.25
6/20/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	16.70	3.85	1.25
6/20/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	19.00	5.75	1.25
6/20/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	24.10	6.68	1.25
6/20/2007	Zach DiStefano	UNION SQUARE	Interior	MGP	28.45		1.25
6/20/2007	Alice Henshaw	UNION SQUARE	Perimeter	MGP	8.40	1.40	1.42
6/20/2007	Alice Henshaw	UNION SQUARE	Perimeter	MGP	13.55	5.15	1.42
6/20/2007	Alice Henshaw	UNION SQUARE	Perimeter	MGP	22.10	7.41	1.42
6/20/2007	Alice Henshaw	UNION SQUARE	Perimeter	MGP	18.80	9.90	1.42
6/20/2007	Alice Henshaw	UNION SQUARE	Perimeter	MGP	22.60	7.70	1.42
6/20/2007	Emily Bedwell	UNION SQUARE	Perimeter	Paper	21.35	0.90	1.13
6/20/2007	Emily Bedwell	UNION SQUARE	Perimeter	Paper	14.20	1.10	1.13
6/20/2007	Emily Bedwell	UNION SQUARE	Perimeter	Paper	19.15	0.85	1.13
6/20/2007	Emily Bedwell	UNION SQUARE	Perimeter	Paper	21.35	0.10	1.13
6/20/2007	Emily Bedwell	UNION SQUARE	Perimeter	Paper	24.05	1.45	1.13
6/20/2007	Emily Bedwell	UNION SQUARE	Perimeter	Paper	24.85	0.35	1.13
6/20/2007	Emily Bedwell	UNION SQUARE	Perimeter	Paper	39.00	1.70	1.13
6/20/2007	Emily Bedwell	UNION SQUARE	Perimeter	Paper	30.80	2.25	1.13
6/20/2007	Emily Bedwell	UNION SQUARE	Perimeter	Paper	17.40	1.10	1.13
6/20/2007	Emily Bedwell	UNION SQUARE	Perimeter	Paper	20.80	0.05	1.13
6/20/2007	Emily Bedwell	UNION SQUARE	Perimeter	Paper	14.95	1.30	1.13
6/20/2007	Emily Bedwell	UNION SQUARE	Perimeter	Paper	22.20	0.15	1.13
6/20/2007	Emily Bedwell	UNION SQUARE	Perimeter	Paper	7.60	0.15	1.13
6/20/2007	Emily Bedwell	UNION SQUARE	Perimeter	Paper	19.65	1.50	1.13
6/20/2007	Emily Bedwell	UNION SQUARE	Perimeter	Paper	25.20	3.40	1.13
6/20/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	9.90	3.15	1.42
6/20/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	6.80	2.30	1.42
6/20/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	6.10	2.30	1.42
6/20/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	20.15	4.58	1.42
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	MGP	12.10	1.95	1.42
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	MGP	3.45	0.30	1.42
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	MGP	10.05	5.30	1.42
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	MGP	6.50	4.85	1.42
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	MGP	14.00	3.85	1.42
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	MGP	13.90	3.30	1.42
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	MGP	14.30	2.15	1.42

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	MGP	23.20	7.70	1.42
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	MGP	20.80		1.42
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	MGP	12.95		1.42
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	MGP	14.75		1.42
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	MGP	6.60		1.42
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	MGP	22.05		1.42
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	MGP	6.85		1.42
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	MGP	24.45		1.42
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	MGP	21.05		1.42
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	MGP	15.70		1.42
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	MGP	17.50		1.42
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	Paper	41.70	1.75	1.13
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	Paper	19.65	0.10	1.13
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	Paper	44.15	0.40	1.13
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	Paper	14.00	0.75	1.13
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	Paper	37.20	3.50	1.13
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	Paper	31.10	0.40	1.13
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	Paper	17.10	1.10	1.13
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	Paper	49.45	0.55	1.13
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	Paper	26.50	0.10	1.13
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	Paper	15.35		1.13
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	Paper	19.50		1.13
6/20/2007	Matt Papula	UNION SQUARE	Perimeter	Paper	41.45		1.13
6/20/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	26.70	7.70	1.42
6/20/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	24.40	4.98	1.42
6/20/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	17.35	4.95	1.42
6/20/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	11.80	2.84	1.42
6/20/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	21.10	4.35	1.42
6/20/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	9.75	5.75	1.42
6/20/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	32.90	7.05	1.42
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	18.70	10.05	1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	8.85	3.30	1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	7.90	3.49	1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	5.20	2.15	1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	15.05	6.60	1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	14.05	3.95	1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	7.65	3.25	1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	22.30	8.75	1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	16.20	4.20	1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	9.15	4.95	1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	6.20	2.30	1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	7.35	3.80	1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	23.15	16.70	1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	15.55	6.50	1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	8.45	6.50	1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	6.15	2.60	1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	9.35	1.47	1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	10.70	4.05	1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	5.05	0.95	1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	11.75		1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	14.30		1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	9.80		1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	4.65		1.13
6/20/2007	Alice Henshaw	WHITEHALL	Interior	MGP	15.10		1.13

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/20/2007	Ijahi Terry	WHITEHALL	Interior	MGP	16.60	4.45	1.13
6/20/2007	Ijahi Terry	WHITEHALL	Interior	MGP	15.05	5.45	1.13
6/20/2007	Ijahi Terry	WHITEHALL	Interior	MGP	6.70	3.30	1.13
6/20/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.85	3.80	1.13
6/20/2007	Ijahi Terry	WHITEHALL	Interior	MGP	19.65	10.75	1.13
6/20/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.55	6.10	1.13
6/20/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.60	5.40	1.13
6/20/2007	Ijahi Terry	WHITEHALL	Interior	MGP	17.20	6.65	1.13
6/20/2007	Ijahi Terry	WHITEHALL	Interior	MGP	4.75	1.38	1.13
6/20/2007	Ijahi Terry	WHITEHALL	Interior	MGP	4.10	1.85	1.13
6/20/2007	Ijahi Terry	WHITEHALL	Interior	MGP	8.40	4.45	1.13
6/20/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.05	3.60	1.13
6/20/2007	Ijahi Terry	WHITEHALL	Interior	MGP	5.05	1.95	1.13
6/20/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.45	1.15	1.13
6/20/2007	Ijahi Terry	WHITEHALL	Interior	MGP	5.35	2.10	1.13
6/20/2007	Ijahi Terry	WHITEHALL	Interior	MGP	16.45	3.80	1.13
6/20/2007	Ijahi Terry	WHITEHALL	Interior	MGP	8.90	4.45	1.13
6/20/2007	Ijahi Terry	WHITEHALL	Interior	MGP	15.55	8.80	1.13
6/20/2007	Ijahi Terry	WHITEHALL	Interior	MGP	16.90	10.65	1.13
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	20.15	0.05	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	18.65	0.15	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	12.20	0.20	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	31.80	0.15	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	19.80	1.15	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	14.60	0.10	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	17.40	0.05	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	11.90	0.40	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	8.00	0.15	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	26.85	0.10	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	20.80	0.05	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	10.20	0.15	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	10.05	0.25	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	26.25	0.10	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	27.25	0.20	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	10.75	0.30	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	15.10	0.40	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	16.65	0.00	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	18.40	0.25	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	24.90	0.00	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	9.60	0.05	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	13.05	0.05	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	29.05	0.00	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	4.75	0.25	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	15.85	0.00	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	30.95	0.00	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	6.60	0.10	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	18.25	0.35	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	29.85	0.15	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	29.75	0.85	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	4.85	0.00	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	14.85	0.20	1.00
6/20/2007	Zach DiStefano	WHITEHALL	Interior	Paper	17.60	0.25	1.00
6/27/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	9.50	0.95	1.00
6/27/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	7.95	2.60	1.00

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Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/27/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	11.85	4.00	1.00
6/27/2007	Zach DiStefano	CLOVE LAKES	Interior	MGP	7.45	2.10	1.00
6/27/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	3.80	0.40	1.00
6/27/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	1.05	0.20	1.00
6/27/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	6.80	0.05	1.00
6/27/2007	Zach DiStefano	CLOVE LAKES	Interior	Paper	8.10	4.70	1.00
6/27/2007	Zach DiStefano	CLOVE LAKES	Perimeter	MGP	11.30	7.40	1.00
6/27/2007	Zach DiStefano	CLOVE LAKES	Perimeter	MGP	3.15	1.10	1.00
6/27/2007	Zach DiStefano	CLOVE LAKES	Perimeter	Paper	7.80	0.25	1.00
6/27/2007	Zach DiStefano	CLOVE LAKES	Perimeter	Paper	2.90	1.15	1.00
6/27/2007	Matt Tozer	COLUMBUS	Interior	MGP	15.45	9.80	1.00
6/27/2007	Matt Tozer	COLUMBUS	Interior	MGP	22.30	9.05	1.00
6/27/2007	Matt Tozer	COLUMBUS	Interior	Paper	33.95	3.35	1.00
6/27/2007	Matt Tozer	COLUMBUS	Interior	Paper	31.15	0.15	1.00
6/27/2007	Matt Tozer	COLUMBUS	Perimeter	MGP	10.40	3.33	1.00
6/27/2007	Matt Tozer	COLUMBUS	Perimeter	MGP	6.35	4.10	1.00
6/27/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	21.40	0.00	1.00
6/27/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	39.05	0.10	1.00
6/27/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	14.10	0.70	1.00
6/27/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	20.90	0.00	1.00
6/27/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	22.10	1.75	1.00
6/27/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	33.85	0.55	1.00
6/27/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	31.40	1.95	1.00
6/27/2007	Matt Tozer	COLUMBUS	Perimeter	Paper	14.70	0.75	1.00
6/27/2007	Zach DiStefano	HOFFMAN	Interior	MGP	9.05	4.75	1.00
6/27/2007	Zach DiStefano	HOFFMAN	Interior	MGP	4.30	2.25	1.00
6/27/2007	Zach DiStefano	HOFFMAN	Interior	Paper	2.30	1.05	1.00
6/27/2007	Zach DiStefano	HOFFMAN	Interior	Paper	3.05	1.90	1.00
6/27/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	15.50	3.36	1.00
6/27/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	23.15	10.34	1.00
6/27/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	11.70	4.60	1.00
6/27/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	9.15	2.60	1.00
6/27/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	10.50	1.45	1.00
6/27/2007	Zach DiStefano	HOFFMAN	Perimeter	MGP	2.60	1.30	1.00
6/27/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	21.80	1.35	1.00
6/27/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	78.20	1.35	1.00
6/27/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	41.60	0.20	1.00
6/27/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	42.95	0.50	1.00
6/27/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	32.90	4.40	1.00
6/27/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	38.55	2.45	1.00
6/27/2007	Zach DiStefano	HOFFMAN	Perimeter	Paper	18.60	0.25	1.00
6/27/2007	Matt Tozer	POE	Interior	MGP	19.70	11.05	1.00
6/27/2007	Matt Tozer	POE	Interior	Paper	8.25	2.50	1.00
6/27/2007	Matt Tozer	POE	Perimeter	MGP	34.65	25.40	1.00
6/27/2007	Matt Tozer	POE	Perimeter	MGP	6.60	2.15	1.00
6/27/2007	Matt Tozer	POE	Perimeter	MGP	12.50	8.25	1.00
6/27/2007	Matt Tozer	POE	Perimeter	MGP	16.35	6.40	1.00
6/27/2007	Matt Tozer	POE	Perimeter	Paper	14.65	6.40	1.00
6/27/2007	Matt Tozer	POE	Perimeter	Paper	20.35	18.25	1.00
6/27/2007	Matt Tozer	POE	Perimeter	Paper	9.25	4.10	1.00
6/27/2007	Matt Tozer	POE	Perimeter	Paper	8.30	1.90	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	MGP	21.60	8.90	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	MGP	30.15	5.60	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	MGP	14.15	4.85	1.00

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Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/27/2007	Ijahi Terry	ST GEORGE	Interior	MGP	16.65	5.30	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	MGP	16.75	2.15	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	MGP	12.50	2.15	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	MGP	10.95	2.40	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	MGP	16.30	7.65	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	MGP	21.70	8.81	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	MGP	15.50	4.83	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	Paper	32.70	1.00	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	Paper	42.65	0.65	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	Paper	15.80	0.30	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	Paper	18.10	0.45	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	Paper	16.85	0.25	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	Paper	12.20	0.40	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	Paper	15.75	0.10	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	Paper	15.60	0.10	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	Paper	18.70	0.90	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	Paper	13.95	0.60	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	Paper	23.65	1.45	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	Paper	28.80	0.20	1.00
6/27/2007	Ijahi Terry	ST GEORGE	Interior	Paper	42.90	0.50	1.00
6/27/2007	Ijahi Terry	TAPPEN	Interior	MGP	9.40	3.45	1.00
6/27/2007	Ijahi Terry	TAPPEN	Interior	MGP	7.20	1.75	1.00
6/27/2007	Ijahi Terry	TAPPEN	Interior	Paper	5.20	0.80	1.00
6/27/2007	Ijahi Terry	TAPPEN	Interior	Paper	5.55	1.50	1.00
6/27/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	9.55	4.76	1.00
6/27/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	21.45	8.02	1.00
6/27/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	30.70	11.25	1.00
6/27/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	3.10	1.45	1.00
6/27/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	21.20	12.80	1.00
6/27/2007	Ijahi Terry	TAPPEN	Perimeter	MGP	8.30	3.50	1.00
6/27/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	25.75	0.45	1.00
6/27/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	0.95	0.05	1.00
6/27/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	14.40	3.10	1.00
6/27/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	11.30	0.90	1.00
6/27/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	5.10	1.20	1.00
6/27/2007	Ijahi Terry	TAPPEN	Perimeter	Paper	4.35	0.10	1.00
6/27/2007	Alice Henshaw	UNION SQUARE	Interior	MGP	22.55	7.95	1.00
6/27/2007	Alice Henshaw	UNION SQUARE	Interior	MGP	14.25	2.18	1.00
6/27/2007	Alice Henshaw	UNION SQUARE	Interior	Paper	16.25	0.25	1.00
6/27/2007	Alice Henshaw	UNION SQUARE	Interior	Paper	21.40	0.80	1.00
6/27/2007	Alice Henshaw	UNION SQUARE	Interior	Paper	28.90	0.20	1.00
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	MGP	19.90	2.25	1.58
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	MGP	13.05	5.85	1.58
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	MGP	20.20	3.95	1.58
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	MGP	16.25	3.36	1.58
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	MGP	19.25	8.30	1.58
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	16.60	0.50	2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	47.65	1.00	2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	44.05	0.15	2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	6.70	0.65	2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	19.35	0.10	2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	12.10	0.30	2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	27.45	1.15	2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	15.80	1.85	2.05

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	37.85	0.25	2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	30.60	0.85	2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	17.45	0.10	2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	13.75	0.30	2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	30.65	0.05	2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	6.70	0.05	2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	26.20	0.20	2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	11.85	0.30	2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	48.70	0.30	2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	20.20	0.10	2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	33.60	1.95	2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	6.35	0.30	2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	38.55	0.05	2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	20.65	2.55	2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	42.65		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	40.00		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	38.70		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	41.45		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	28.55		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	22.65		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	10.05		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	20.25		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	23.25		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	20.25		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	21.80		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	32.40		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	27.55		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	43.50		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	30.05		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	26.55		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	14.15		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	24.85		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	42.60		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	52.80		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	31.65		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	20.15		2.05
6/27/2007	Alice Henshaw	UNION SQUARE	Perimeter	Paper	58.15		2.05
6/27/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	14.20		1.58
6/27/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	9.45		1.58
6/27/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	12.85		1.58
6/27/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	10.35		1.58
6/27/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	11.65		1.58
6/27/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	16.10		1.58
6/27/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	20.00		1.58
6/27/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	19.25		1.58
6/27/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	11.90		1.58
6/27/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	22.65		1.58
6/27/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	11.75		1.58
6/27/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	11.25		1.58
6/27/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	12.90		1.58
6/27/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	18.30		1.58
6/27/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	8.85		1.58
6/27/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	7.15		1.58
6/27/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	9.55		1.58

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/27/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	9.90		1.58
6/27/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	11.30		1.58
6/27/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	22.20		1.58
6/27/2007	Ijahi Terry	UNION SQUARE	Perimeter	MGP	23.30		1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	16.55	1.05	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	12.70	2.73	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	18.30	3.65	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	7.00	1.10	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	13.10	3.35	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	14.05	3.75	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	19.45	4.00	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	20.30	1.03	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	7.40	0.71	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	18.15	3.95	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	9.80	2.85	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	17.80	9.60	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	14.80	0.95	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	17.70	2.69	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	20.65	6.14	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	11.50	0.73	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	13.00	1.69	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	6.40	2.15	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	16.85	5.75	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	5.45	2.35	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	6.60	1.80	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	10.55	1.42	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	14.80	1.80	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	9.95	0.40	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	8.00	1.75	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	12.50	5.00	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	10.35	3.05	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	26.50	3.02	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	4.10	2.40	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	19.35	10.75	1.58
6/27/2007	Zach DiStefano	UNION SQUARE	Perimeter	MGP	15.40	2.99	1.58
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	13.25	0.55	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	20.80	0.20	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	20.05	0.10	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	16.05	1.10	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	3.45	0.55	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	30.00	0.10	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	17.40	0.05	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	19.60	0.25	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	17.50	0.00	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	5.70	0.10	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	12.85	0.30	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	10.30	0.05	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	22.95	0.10	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	10.80	0.25	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	4.25	0.00	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	15.70	0.95	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	21.05	0.15	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	32.55	0.05	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	5.75	0.00	1.27

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	8.85	0.25	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	4.00	0.05	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	9.85	0.60	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	16.20	0.15	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	8.05	0.15	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	14.40	0.60	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	29.10	0.70	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	5.00	0.00	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	18.80	0.00	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	10.60	0.20	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	25.75	0.10	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	8.65	0.15	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	8.40	0.00	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	12.00	0.05	1.27
6/27/2007	Alice Henshaw	WHITEHALL	Interior	Paper	26.40	0.00	1.27
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	3.60		1.65
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	0.90		1.65
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	6.45		1.65
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	0.20		1.65
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	1.80		1.65
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	6.55		1.65
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	7.15		1.65
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	2.60		1.65
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	1.85		1.65
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	7.95		1.65
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	6.85		1.65
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	2.30		1.65
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	5.80		1.65
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	0.25		1.65
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	1.10		1.65
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	0.00		1.65
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	3.60		1.65
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	7.60		1.65
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	4.40		1.65
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	1.85		1.65
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	12.80		1.27
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	21.75		1.27
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	6.20		1.27
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	19.45		1.27
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	8.20		1.27
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	8.60		1.27
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	14.05	0.00	1.27
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	16.15		1.27
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	14.55	0.00	1.27
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	5.80		1.27
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	10.95	0.10	1.27
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	9.05		1.27
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	7.05		1.27
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	14.60	0.00	1.27
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	29.20	0.25	1.27
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	26.45	0.45	1.27
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	9.90		1.27
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	9.50		1.27
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	14.60	0.20	1.27

Recycling Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)	Sampling Weight
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	0.30	0.10	1.27
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	9.45	0.00	1.27
6/27/2007	Emily Bedwell	WHITEHALL	Interior	Paper	32.20	0.20	1.27
6/27/2007	Ijahi Terry	WHITEHALL	Interior	MGP	14.10	5.10	1.65
6/27/2007	Ijahi Terry	WHITEHALL	Interior	MGP	8.70	1.70	1.65
6/27/2007	Ijahi Terry	WHITEHALL	Interior	MGP	3.85	2.75	1.65
6/27/2007	Ijahi Terry	WHITEHALL	Interior	MGP	9.50	4.61	1.65
6/27/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.25	5.56	1.65
6/27/2007	Ijahi Terry	WHITEHALL	Interior	MGP	12.75	7.67	1.65
6/27/2007	Ijahi Terry	WHITEHALL	Interior	MGP	10.35	4.82	1.65
6/27/2007	Ijahi Terry	WHITEHALL	Interior	MGP	8.65	3.99	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	15.20	4.53	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	8.25	3.07	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	11.20	1.85	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	10.85	4.60	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	8.15	2.20	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	11.75	5.70	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	14.25	10.26	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	9.95	2.46	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	14.65	1.75	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	7.05	3.35	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	7.20	3.10	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	13.95	4.80	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	8.95	2.28	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	10.25	4.15	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	8.75	3.55	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	9.25	2.44	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	18.50	4.05	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	7.85	2.05	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	19.70	9.35	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	13.00	4.60	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	3.30	1.62	1.65
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	6.00	1.75	1.65

Excluded Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)
4/4/2007	Ijahi Terry	CLOVE LAKES	Interior	Paper	3.00	3.00
4/4/2007	Zach DiStefano	CLOVE LAKES	Unknown	MGP	13.10	5.50
4/4/2007	Zach DiStefano	CLOVE LAKES	Unknown	MGP	16.40	12.35
4/4/2007	Zach DiStefano	CLOVE LAKES	Unknown	Paper	12.40	0.60
4/4/2007	Ijahi Terry	HOFFMAN	Perimeter	MGP	9.00	9.00
4/4/2007	Zach DiStefano	TAPPAN	Unknown	MGP	8.40	3.92
4/4/2007	Zach DiStefano	TAPPAN	Unknown	Paper	2.00	0.50
4/4/2007	Melissa Hamilton	UNION SQUARE	Unknown	MGP	8.85	6.15
4/4/2007	Melissa Hamilton	UNION SQUARE	Unknown	MGP	1.70	1.45
4/11/2007	Ijahi Terry	CLOVE LAKES	Perimeter	MGP	6.00	6.00
4/11/2007	Melissa Hamilton	MANHATTAN	Unknown	Unknown	1.10	1.50
4/11/2007	Javen Galindez	POE	Perimeter	Unknown	7.35	2.55
4/11/2007	Javen Galindez	POE	Perimeter	Unknown	4.25	1.50
4/11/2007	Javen Galindez	POE	Perimeter	Unknown	4.05	0.35
4/11/2007	Javen Galindez	POE	Perimeter	Unknown	6.30	2.00
4/11/2007	Javen Galindez	POE	Perimeter	Unknown	5.50	1.25
4/11/2007	Javen Galindez	POE	Perimeter	Unknown	3.30	0.95
4/11/2007	Javen Galindez	POE	Perimeter	Unknown	3.20	1.75
4/11/2007	Matthew Martin	TAPPEN	Interior	Paper	2.00	2.00
4/11/2007	Matthew Martin	TAPPEN	Interior	MGP	2.00	2.00
4/18/2007	Matthew Martin	CLOVE LAKES	Interior	Paper	2.00	2.00
4/18/2007	Matthew Martin	MANHATTAN	Unknown	MGP	11.45	3.32
5/2/2007	Matthew Martin	CLOVE LAKES	Unknown	Paper	5.55	1.15
5/2/2007	Melissa Hamilton	MANHATTAN	Unknown	MGP	23.10	8.05
5/2/2007	Matthew Martin	MANHATTAN	Unknown	Paper	6.65	1.35
5/2/2007	Matthew Martin	MANHATTAN	Unknown	Paper	25.80	0.45
5/2/2007	Matthew Martin	MANHATTAN	Unknown	Paper	24.35	1.45
5/2/2007	Matthew Martin	MANHATTAN	Unknown	Paper	10.25	0.95
5/2/2007	Matthew Martin	MANHATTAN	Unknown	Paper	21.30	1.40
5/2/2007	Matthew Martin	MANHATTAN	Unknown	Paper	8.75	0.00
5/2/2007	Matthew Martin	MANHATTAN	Unknown	Paper	34.80	0.15
5/2/2007	Matthew Martin	MANHATTAN	Unknown	Paper	18.95	0.25
5/2/2007	Matthew Martin	MANHATTAN	Unknown	Paper	22.75	0.40
5/2/2007	Matthew Martin	MANHATTAN	Unknown	Paper	8.10	1.65
5/2/2007	Matthew Martin	MANHATTAN	Unknown	Paper	21.70	0.65
5/2/2007	Matthew Martin	MANHATTAN	Unknown	Paper	21.05	0.60
5/2/2007	Matthew Martin	MANHATTAN	Unknown	Paper	28.15	0.70
5/2/2007	Melissa Hamilton	MANHATTAN	Unknown	Paper	15.15	1.65
5/2/2007	Melissa Hamilton	MANHATTAN	Unknown	Paper	17.80	0.30
5/2/2007	Melissa Hamilton	MANHATTAN	Unknown	Paper	7.20	0.20
5/2/2007	Melissa Hamilton	MANHATTAN	Unknown	Paper	10.50	0.00
5/2/2007	Melissa Hamilton	MANHATTAN	Unknown	Paper	22.80	0.60
5/2/2007	Melissa Hamilton	MANHATTAN	Unknown	Paper	103.40	0.05
5/2/2007	Melissa Hamilton	MANHATTAN	Unknown	Paper	6.45	0.70
5/2/2007	Melissa Hamilton	MANHATTAN	Unknown	Paper	3.75	0.00
5/2/2007	Melissa Hamilton	MANHATTAN	Unknown	Paper	7.90	0.35
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	12.35	0.10
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	29.85	0.20
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	22.50	1.55

Excluded Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	10.70	0.20
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	4.60	0.10
5/2/2007	Ijahi Terry	MANHATTAN	Unknown	Paper	7.60	0.65
5/2/2007	Ijahi Terry	MANHATTAN	Unknown	Paper	23.75	0.10
5/2/2007	Ijahi Terry	MANHATTAN	Unknown	Paper	14.25	0.55
5/2/2007	Ijahi Terry	MANHATTAN	Unknown	Paper	19.90	0.00
5/2/2007	Ijahi Terry	MANHATTAN	Unknown	Paper	13.05	0.50
5/2/2007	Ijahi Terry	MANHATTAN	Unknown	Paper	8.80	0.10
5/2/2007	Ijahi Terry	MANHATTAN	Unknown	Paper	17.55	0.30
5/2/2007	Ijahi Terry	MANHATTAN	Unknown	Paper	8.65	0.40
5/2/2007	Ijahi Terry	MANHATTAN	Unknown	Paper	20.00	0.75
5/2/2007	Ijahi Terry	MANHATTAN	Unknown	Paper	16.80	0.15
5/2/2007	Ijahi Terry	MANHATTAN	Unknown	Paper	46.10	0.70
5/2/2007	Ijahi Terry	MANHATTAN	Unknown	Paper	23.45	0.45
5/2/2007	Ijahi Terry	MANHATTAN	Unknown	Paper	14.20	0.40
5/2/2007	Ijahi Terry	MANHATTAN	Unknown	Paper	23.90	0.25
5/2/2007	Ijahi Terry	MANHATTAN	Unknown	Paper	4.75	0.15
5/2/2007	Ijahi Terry	MANHATTAN	Unknown	Paper	21.70	0.60
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	6.70	0.00
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	8.20	0.45
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	13.40	0.20
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	6.00	0.35
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	14.30	1.25
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	12.70	0.05
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	13.60	0.10
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	25.95	1.10
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	20.90	0.15
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	15.85	0.80
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	18.55	0.15
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	18.35	0.35
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	15.20	0.15
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	12.05	0.00
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	6.15	5.75
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	83.70	1.00
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	38.40	0.40
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	29.75	0.00
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	36.00	0.25
5/2/2007	Zach DiStefano	MANHATTAN	Unknown	Paper	2.70	0.00
5/9/2007	Matthew Papula	COLUMBUS	Interior	MGP	8.00	5.00
5/9/2007	Matthew Papula	MANHATTAN	Unknown	MGP	21.20	5.90
5/9/2007	Zach DiStefano	MANHATTAN	Unknown	MGP	16.60	4.05
5/9/2007	Matthew Martin	MANHATTAN	Unknown	Paper	28.85	0.00
5/9/2007	Zach DiStefano	UNION SQUARE	Perimeter	Paper	31.00	22.00
5/9/2007	Zach DiStefano	WHITEHALL	Interior	Paper	84.00	48.00
5/9/2007	Matthew Papula	WHITEHALL	Interior	Paper	84.00	48.00
5/9/2007	Matthew Martin	WHITEHALL	Interior	Paper	84.00	48.00
5/9/2007	Matthew Martin	WHITEHALL	Interior	Paper	84.00	48.00
5/9/2007	Ijahi Terry	WHITEHALL	Interior	Paper	84.00	48.00
5/16/2007	Emily Bedwell	ST GEORGE	Interior	MGP	2.90	

Excluded Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)
5/16/2007	Emily Bedwell	UNION SQUARE	Unknown	MGP	1.55	
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	9.30	
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	14.15	
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	22.05	
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	23.05	
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	15.35	
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	14.25	
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	20.20	
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	11.25	
5/16/2007	Emily Bedwell	WHITEHALL	Interior	MGP	2.80	
5/16/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	8.05	
5/16/2007	Ijahi Terry	WHITEHALL	Interior	MGP	64.00	26.00
5/23/2007	Ijahi Terry	ST GEORGE	Interior	Paper	1.55	
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	16.70	
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	26.30	
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	15.45	
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	23.05	
5/23/2007	Zach DiStefano	WHITEHALL	Interior	MGP	17.25	
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	7.30	
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	16.50	
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	13.30	
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	17.55	
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	8.40	
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	12.00	
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	10.90	
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	13.65	
5/30/2007	Ijahi Terry	ST GEORGE	Interior	MGP	14.15	
5/30/2007	Melissa Hamilton	UNION SQUARE	Unknown	MGP	4.10	
5/30/2007	Melissa Hamilton	UNION SQUARE	Unknown	MGP	8.90	
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	2.45	
5/30/2007	Ijahi Terry	WHITEHALL	Interior	MGP	10.00	
5/30/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	7.15	
5/30/2007	Zach DiStefano	WHITEHALL	Interior	MGP	69.00	40.00
6/6/2007	Ijahi Terry	ST GEORGE	Interior	Paper	17.70	
6/6/2007	Melissa Hamilton	UNION SQUARE	Unknown	MGP	30.00	
6/6/2007	Melissa Hamilton	UNION SQUARE	Unknown	MGP	19.95	
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	5.70	
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	12.55	
6/6/2007	Matt Tozer	WHITEHALL	Interior	MGP	2.75	
6/6/2007	Melissa Hamilton	WHITEHALL	Interior	Paper	9.15	
6/13/2007	Ijahi Terry	ST GEORGE	Interior	Paper	6.35	
6/13/2007	John Mastrogiacomo	UNION SQUARE	Unknown	MGP	11.80	
6/13/2007	John Mastrogiacomo	UNION SQUARE	Unknown	MGP	10.30	
6/13/2007	John Mastrogiacomo	UNION SQUARE	Unknown	MGP	17.95	
6/13/2007	John Mastrogiacomo	UNION SQUARE	Unknown	MGP	5.75	
6/13/2007	John Mastrogiacomo	UNION SQUARE	Unknown	MGP	12.30	
6/13/2007	John Mastrogiacomo	UNION SQUARE	Unknown	MGP	12.00	
6/13/2007	John Mastrogiacomo	UNION SQUARE	Unknown	MGP	18.35	
6/13/2007	John Mastrogiacomo	UNION SQUARE	Unknown	MGP	7.15	

Excluded Bags Collected over the 13-week Program

Date	Sorter	Site	Location	Stream	Bag Weight (lbs.)	Contaminant Weight (lbs.)
6/20/2007	Emily Bedwell	UNION SQUARE	Unknown	MGP	10.40	
6/20/2007	Emily Bedwell	UNION SQUARE	Unknown	MGP	12.05	
6/20/2007	Zach DiStefano	WHITEHALL	Interior	MGP	1.15	
6/20/2007	Zach DiStefano	WHITEHALL	Interior	MGP	15.10	
6/20/2007	Zach DiStefano	WHITEHALL	Interior	MGP	2.70	
6/27/2007	Matt Tozer	COLUMBUS	Perimeter	Unknown	29.50	
6/27/2007	Matt Tozer	COLUMBUS	Perimeter	Unknown	32.15	
6/27/2007	Matt Tozer	COLUMBUS	Perimeter	Unknown	26.55	
6/27/2007	Alice Henshaw	UNION SQUARE	Unknown	MGP	20.35	
6/27/2007	Alice Henshaw	UNION SQUARE	Unknown	MGP	9.45	
6/27/2007	Alice Henshaw	UNION SQUARE	Unknown	MGP	17.10	
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	5.15	
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	27.90	
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	21.80	
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	17.15	
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	12.75	
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	12.70	
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	9.85	
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	20.50	
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	15.00	
6/27/2007	Emily Bedwell	WHITEHALL	Interior	MGP	19.15	
6/27/2007	Matt Tozer	WHITEHALL	Interior	MGP	51.00	31.00

Trend Analysis

Public Space Recycling Pilot Program

Revised Draft September 2007

Prepared By

HDR

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EXECUTIVE SUMMARY

The Department of Sanitation (DSNY) designed and implemented a pilot public space recycling program (Program), from April through June 2007. Green and blue recycling cans were placed in six parks and two ferry terminals along side the existing refuse baskets. The Program targeted two streams of recyclable materials: paper (green can) and metals, glass, and plastic (MGP) (blue can). The six parks and two ferry terminals were located throughout the five boroughs of the City: Union Square Park, Manhattan; Poe Park, Bronx; Columbus Park, Brooklyn; Hoffman Park, Queens; Tappen and Clove Lakes Parks, Staten Island; Whitehall Ferry Terminal, Manhattan; and St. George Ferry Terminal, Staten Island. DSNY implemented an extensive public outreach effort to advertise the Program and educate the public about the materials accepted in the blue and green recycling bins with the goal of increasing volume and decreasing contamination levels.

DSNY engaged Henningson, Durham & Richardson Architecture & Engineering, P.C. (HDR) to perform a pilot waste survey and statistical analysis to assess the efficacy of this Program. The focus of the survey was to examine contamination levels in each material stream. Total weight, total contaminant weight, percent contamination, and average weight per bag generated by the Program per recyclable stream were determined. All material was determined to be Recyclable or Contaminant based on DSNY's criteria for acceptable recyclable materials. Based on these measurements and estimates, HDR performed a trend analysis (Analysis) on the weekly characteristics of the Program. The Analysis examined the Program bag weights and contamination levels in relation to time and weather observations tracked over the length of the Program to determine whether the volume of material collected increased and the contamination level decreased as the duration of the Program increased.

In general, the quantity of the material seemed to be more correlated with the weather than with the duration of the Program because the quantity increased in the Parks but leveled off in the Ferry Terminals. The weather became warmer and school ended for the summer which likely attracted more people to the parks while the commuter traffic remained constant in the Ferry Terminals. The quality of the material collected remained relatively constant throughout the Program and did not appear to be impacted by the length of the Program or by the weather.

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1.0 INTRODUCTION

The Department of Sanitation (DSNY) designed and implemented a pilot public space recycling program (Program), from April through June 2007. Green and blue recycling cans were placed in six parks and two ferry terminals along side the existing refuse baskets. The Program targeted two streams of recyclable materials: paper (green can) and metals, glass, and plastic (MGP) (blue can). The six parks and two ferry terminals were located throughout the five boroughs of the City: Union Square Park, Manhattan; Poe Park, Bronx; Columbus Park, Brooklyn; Hoffman Park, Queens; Tappen and Clove Lakes Parks, Staten Island; Whitehall Ferry Terminal, Manhattan; and St. George Ferry Terminal, Staten Island. DSNY implemented an extensive public outreach effort to advertise the Program and educate the public about the materials accepted in the blue and green recycling bins with the goal of increasing volume and decreasing contamination levels.

DSNY engaged Henningson, Durham & Richardson Architecture & Engineering, P.C. (HDR) to perform a Program waste survey and statistical analysis to assess the efficacy of this Program. The Program waste survey and statistical analysis were designed to estimate the level of contamination generated from the paper and MGP recycling receptacles for each location. Total weight, total contaminant weight, percent contamination, and average weight per bag generated by the Program per recyclable stream were determined. The focus of the survey was to examine contamination levels in each material stream. All material was determined to be Recyclable or Contaminant based on DSNY's criteria for acceptable recyclable materials. Based on these measurements estimates, HDR performed a trend analysis on the weekly characteristics of the Program.

The trend analysis (Analysis) examined the Program bag weights and contamination levels in relation to time and weather observations tracked over the length of the Program. The Analysis used observations from 12 of the 13 weeks of the Program.[1] The goal of the Analysis was to use the data available to determine whether the volume of material collected increased and the contamination level decreased as the duration of the Program increased. The Analysis used a statistical tool called linear regression in conjunction with graphical analysis of the Program's

[1] Collection and sorting was not undertaken during week 4 due to logistical problems.

weekly measurements and estimates to determine if time and weather had an impact on the quantity and quality of the recyclable material collected through the Program.

In general, the quantity of the material seemed to be more correlated with the weather than with the duration of the Program because the quantity increased in the Parks but leveled off in the Ferry Terminals. The weather became warmer and school ended for the summer which likely attracted more people to the parks while the commuter traffic remained constant in the Ferry Terminals. The quality of the material collected remained relatively constant throughout the Program and did not appear to be impacted by the length of the Program or by the weather.

1.1 Report Format

Sample sizes for individual parks or ferry terminals within a given week were too small to provide useful interpretation; therefore, the Analysis was conducted for MGP and paper for the following: all sites, all parks, all ferry terminals, all park perimeters, and all park interiors. Average bag weight, total weight, percent contamination, and total contaminant weight were analyzed for each of these groups. Detailed regression analysis results are included in Appendix B of this report for each of these areas. The analysis of bags collected from the ferry terminals, park perimeters, and park interiors provides the most meaningful trend interpretations. When aggregating the measurements and estimates over all sites, interesting trends within any of these smaller sites can be masked.

This report includes three sections: Methodology, Analysis Results, and Conclusions; in addition to Appendices to the report. The Methodology section provides a detailed description of the methodology used to conduct the analysis including graphical study and linear regression analysis. The Survey Results section includes a summary of the linear regression results and a literal translation of the results for the significant coefficients. The Conclusion section includes a brief discussion of the results. The Appendices include a glossary of statistical terminology, the regression analysis results, and the graphical analysis results.

2.0 METHODOLOGY

The Analysis used the measurements and estimates obtained during the Program. A detailed description of the methodology to obtain these measurements and estimates is included in sections 3.2.1 and 3.2.2 of the *Public Space Recycling Pilot Program* report prepared by HDR in September 2007. The Analysis used the average bag weight, the total weight of collected material, the percent contamination, and the total contaminant weight (attributes of interest) for the following aggregations:

1. Overall Sites, Paper
2. Overall Sites, MGP
3. Overall Parks, Paper
4. Overall Parks, MGP
5. Overall Ferry Terminals, Paper
6. Overall Ferry Terminals, MGP
7. Overall Park Perimeters, Paper
8. Overall Park Perimeters, MGP
9. Overall Park Interiors, Paper
10. Overall Park Interiors, MGP

These measurements were compared to the duration of the Program (number of weeks) and the weather (average weekly precipitation and average daily temperature) to determine if there was a significant relationship between them.

2.1 Excluded Sort Weeks

For the MGP stream, the Analysis was conducted on all 12 weeks of available data. However, for the paper stream, estimates and measurements from weeks 3 and 5 were excluded from the linear regression analysis. Week 3 was excluded because the large amount of rainfall that occurred during that week soaked the bag contents increasing the average bag weight significantly. This impact is illustrated in the graphical analysis included in Appendix C, where one can see that the average weight per bag for the paper stream in the third week is uncharacteristically high. Week 5 estimates and measurements were excluded from the paper analysis because over 60 clear paper bags from Union Square Park and Whitehall Ferry Terminal

were mixed in the collection truck that week. These bags could not be assigned to a location and were not included in the calculation of the measurements and estimates. Therefore, the average bag weight and total bag weight for this week were unusually low and removed from the linear regression analysis (See Appendix C).

2.2 Weather Data: Temperature and Precipitation

Daily weather data for New York City during the period of the Program was acquired from the National Climatic Data Center (NCDC) of the National Oceanic and Atmospheric Administration (NOAA). The NCDC provided data from three stations in New York City: Central Park, John F. Kennedy International Airport, and La Guardia Airport. The average daily temperature and total daily precipitation were extracted for each station for use in the Analysis. The average daily temperature values were averaged across the days of the week and the three stations to obtain a single measurement of the average daily temperature in New York City during each week of the pilot. Similarly, the total daily precipitation values were summed across days (24 hrs) of the week for each station to obtain a total weekly precipitation measurement per station. These measurements were averaged across stations, and the resulting average of the total weekly precipitation was used in the trend analysis. The weekly weather characteristics were merged with the weekly measurements/estimates from the pilot to form the trend analysis database.

2.3 Use of Graphical Analysis to Assess Trends

Graphical analysis provides a means to visually understand changes in pilot estimates and measurements over the duration of the Program. Based on the trend of the line on the graph, one can quickly discern problem weeks from weeks with expected results based on the trend of the line on the graph. For example, the paper line for average weight per bag spikes during week 3 when the bags were heavily saturated with rainwater. Aberrations in trends signal unusual events that need to be investigated and understood before making generalizations. All graphs are included in Appendix C.

Each of the four attributes of interest was plotted against time (weeks of the Program) and against weather (average weekly precipitation and average daily temperature) for the ten

different levels of aggregations. Since all of the collected bags were weighed, weekly total weight and average weight per bag statistics have no sampling error. If one week's amount was larger or smaller than the previous week's figures, those figures were accurate representations of the Program's results. Percent contamination and total contaminant weight quantify the degree and quantity of incorrect material that was thrown into the receptacles. Since these two attributes of interest are estimated from a sample of bags as opposed to the full population of bags, the range of error in the estimates (95% confidence interval) is provided with every estimate plotted on each graph. By observing if the confidence intervals overlap, one can determine if differences in the weekly estimates are statistically significant or if differences can be ascribed to randomness. For example, if the estimates are showing a trend downwards and their respective confidence bands are also trending downwards, while not overlapping each other, one can correctly interpret that the trend is significant and not due to chance.

2.4 The Use of Linear Regression Models to Assess Trends

Linear regression is a regression method that models the relationship between a dependent variable and independent variables. Table 2-1 and Table 2-2 below include a list and description of the dependent and independent variables used for this Analysis.

Table 2.1 List of Dependent Variables Used in the Regression Models

Variable	Description	Code
Average Weight Per Bag	Represents the weekly average weight (in lbs.) of all contents (recyclable and contaminant) collected in a given bag for the week of interest.	Coded as a continuous numeric variable.
Total Weight	Represents the weekly weight (in lbs.) of all contents (recyclable and contaminant) collected in all bags from the site(s) of interest.	Coded as a continuous numeric variable.
Percent Contamination	Represents the estimated weekly percent contamination generated from material found within a collection of recyclable bags over a given aggregation of sites. Percent contamination is defined as the ratio of the total weight of all collected contaminant material to the total weight of all collected material.	Coded as a continuous numeric variable.
Contaminant Weight	Represents the estimated weekly total contaminant weight (in lbs.) based on contaminant material weighed from sampled bags from the strata of interest over the week of interest.	Coded as a continuous numeric variable.

Table 2.2 List of Independent Variables Used in the Regression Models

Variable	Description	Code
Week	Represents a collection week during the pilot. A collection week commences on a Tuesday and ends on the following Monday.	Coded as a date (eg. 06/27/2007) which SAS stores as a numeric integer variable. The coded date represents the sort date for the materials collected during the previous week. The difference between any two weeks used in the regression would have a value of 7.
Average Daily Temperature	The average daily temperature (in degrees Fahrenheit) in New York City during the week of interest. The average daily temperature values were obtained by averaging the average daily temperatures across the days of the week and the 3 NOAA weather stations in New York City.	Coded as a continuous numeric variable.
Average Weekly Precipitation	The weekly precipitation (in inches) that fell in New York City during the week of interest. The total daily precipitation values were summed across days (24 hrs) of the week for each of the 3 NOAA stations to obtain a total weekly precipitation measurement per station. These measurements were averaged across stations, and the resulting average of the total weekly precipitation was used in the trend analysis.	Coded as a continuous numeric variable.

Actual regression coefficients produced from fitting equations for each of the attributes of interest over time and weather can be found in Appendix A. If the regression coefficients for each of the independent variables are statistically significant, based on observing a p-value[2] statistic less than or equal to 10 percent, then it is assumed that a trend exists. The results in this report are summarized in Tables 4-1 through 4-6 in the following manner: If a trend exists between time or weather and/or precipitation for p-values less than or equal to 10 percent, then it is indicated by a "Yes". If the p-values associated with the regression coefficients are between 15 and 10 percent, the relationship is considered marginal; otherwise, the relationship is marked with a "No" for lack of statistical significance.

[2] The p-value of a regression coefficient of an independent variable signifies whether the variable has statistically significant predictive capability. For example, with a p-value of 0.10, there is only a 10% chance that the results obtained would have occurred randomly. Hence, it can be said with a 90% probability of being correct that the independent variable has an association with the dependent variable.

The coefficients are numbers that indicate the direction of the trend. The following is an example of a linear regression model to predict the paper weekly total weight from park interiors using weather characteristics:[3]

*Weekly Total Weight = -123.959 (β_0) + 4.567(β_1)*Average Daily Temperature + 728.658 (β) $_2$*Average Weekly Precipitation*

A positive-valued coefficient (β_1 *and* β_2) indicates an increasing trend in the weekly total weight (dependent variable) as the average daily temperature and/or average weekly precipitation (independent variables) increase. For the paper stream of park interiors, both coefficients for average daily temperature and average weekly precipitation were highly significant for predicting the total weight of all collected material (see Table 4-4 for details). In this model, β_1=4.567, indicating that for every 1 degree Fahrenheit increase in the average daily temperature, the weekly total weight is predicted to increase by 4.6 lbs., while holding the average weekly precipitation amount constant. A value of 728.658 for β_2 in the same model indicates that for every 1 inch increase in average weekly precipitation, the weekly total weight is predicted to increase by 728.7 lbs., while holding the average daily temperature constant.

Since the observations used in the regression modeling are based on weekly observations taken over a 13-week period commencing April 3, 2007 until June 26, 2007, the relationship is only valid during this time period. At this point, it is unknown what impacts the changing seasons would have on the relationship between temperature and precipitation and the composition and weight of bags collected in a public space recycling program.

[3] β_0 is the intercept and β_1 and β_2 are the coefficients of the temperature and precipitation variables respectively.

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3.0 LIMITS OF ANALYSIS

One must be cautious when interpreting significant results from this Analysis because:

(1) It is difficult, with the limited information available, to separate the impact of time and weather on the results. While the public's increasing awareness of the Program may have had an effect on the Program's characteristics over time, the improving weather also likely impacted the results. As the temperature increased throughout the duration of the Program, more and more people frequented parks; thus changes in the recycling characteristics over time may be highly influenced by more people using the parks, and cannot necessarily be attributed solely to an increased awareness of the Program. With respect to ferry terminals, traffic patterns are more consistent over time as most users are commuters; however, significant seasonal changes such as the start of the summer vacation period, can also impact weekly traffic volumes. Without actual park and ferry visitation counts, it is difficult to separate the impact of time, seasonality, and weather from the level of public awareness.

(2) Other potential impacts, such as holidays, special events, traffic disruptions, or inconsistency in collection protocols, which could have influenced the results of the Program on a monthly or weekly basis, were not available for this Analysis.

(3) Survey measurements did not include refuse basket weights. Measurements of the weight of the refuse baskets located next to the recycling bins could have been used to determine diversion rates and also better determine the impact of time and weather on the Program. The refuse basket weights would have served as a reference point to assess if changes in the recycling weights over time were more likely affected by increasing traffic volumes rather than increased awareness of the Program. If both refuse basket weights and recycling basket weights were proportionally trending upwards over time, then it would be difficult to attribute increasing recycling weights to only increased public awareness.

If the missing information discussed in the above limitations can be addressed for future surveys and studies, a more definitive analysis can be provided as to the effects that public awareness, time, and weather had on the volume of recyclable material and level of contamination for both paper and MGP streams in a public space recycling program.

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4.0 RESULTS

The following section provides a summary of the linear regression results for all dependent variables per site aggregation tested against the independent variables of time (in terms of week), temperature (in terms of average daily temperature per week) and precipitation (in terms of average weekly precipitation). A literal translation of the linear regression results for the significant coefficients (p-values $\leq$ 10%) is provided for the benefit of the reader. For an interpretation and discussion of the results and their possible limitations in conjunction with the graphical analysis results, please reference the discussion section on pages 5-1 to 5-8.

4.1 Park Perimeters vs. Time

For the data from the Park Perimeters, as is clear from Table 4-1, the "week" independent variable, containing numeric values representing each of the weeks from April 4, 2007 to June 27, 2007, tested significant with the following dependent variables: paper and MGP average weight per bag, paper and MGP total weight, and paper and MGP contaminant weight. The "week" independent variable was not significantly related to the remaining dependent variables as the p-values associated from each regression's estimated "week" coefficient was greater than 10 percent.

Table 4-1 Regression Model Results for the Park Perimeters Estimates vs. Time

		Week	
Dependent Variable	**Stream**	**Direction of Trend**	**Significant**
Average Weight Per Bag	Paper	**Positive**	**Yes**
	MGP	**Positive**	**Yes**
Total Weight	Paper	**Positive**	**Yes**
	MGP	**Positive**	**Yes**
Percent Contamination	Paper	N/A	No
	MGP	N/A	No
Contaminant Weight	Paper	**Positive**	**Yes**
	MGP	**Positive**	**Yes**

- The trend between *paper weekly average weight per bag* (the dependent variable) and *week* (the independent variable) is positive (coefficient=0.942) and it is significant (p-value < 1%). The greater the value is for week, the greater the value is for paper average weight per bag and vice versa.
- The trend between *MGP weekly average weight per bag* (the dependent variable) and *week* (the independent variable) is positive (coefficient=0.569) and it is significant (p-

value < 1%). The greater the value is for week, the greater the value is for MGP average weight per bag and vice versa.

- The trend between *paper weekly total weight* (the dependent variable) and *week* (the independent variable) is positive (coefficient=87.673) and it is significant (p-value < 1%). The greater the value is for week, the greater the value is for paper total weight and vice versa.
- The trend between *MGP weekly total weight* (the dependent variable) and *week* (the independent variable) is positive (coefficient=61.688) and it is significant (p-value < 1%). The greater the value is for week, the greater the value is for MGP total weight and vice versa.
- The trend between paper *weekly total contaminant weight* (the dependent variable) and *week* (the independent variable) is positive (coefficient=5.238) and it is significant (p-value < 5%). The greater the value is for week, the greater the value is for paper total contaminant weight and vice versa.
- The trend between *MGP weekly total contaminant weight* (the dependent variable) and *week* (the independent variable) is positive (coefficient=16.405) and it is significant (p-value < 1%). The greater the value is for week, the greater the value is for MGP total contaminant weight and vice versa.

4.2 Park Perimeters vs. Average Daily Temperature and Average Weekly Precipitation

As shown in Table 4-2, the "temperature" independent variable, containing the daily average temperature per week, tested significant with the following dependent variables: paper and MGP average weight per bag, paper and MGP total weight, and paper and MGP contaminant weight. The "temperature" independent variable was not significantly related to the remaining dependent variables as the p-values associated from each regression's estimated "temperature" coefficient was greater than 10 percent.

Table 4-2 Regression Model Results for the Park Perimeter vs. Average Daily Temperature and Average Weekly Precipitation

		Average Daily Temperature		Average Weekly Precipitation	
Dependent Variable	**Stream**	**Direction of Trend**	**Significant**	**Direction of Trend**	**Significant**
Average Weight Per Bag	Paper	**Positive**	**Yes**	N/A	No
	MGP	**Positive**	**Yes**	N/A	No
Total Weight	Paper	**Positive**	**Yes**	N/A	No
	MGP	**Positive**	**Yes**	N/A	No
Percent Contamination	Paper	N/A	No	**Positive**	**Yes**
	MGP	N/A	No	**Positive**	**Yes**
Contaminant Weight	Paper	**Positive**	**Yes**	N/A	No
	MGP	**Positive**	**Yes**	**Positive**	**Yes**

- The trend between *paper weekly average weight per bag* (the dependent variable) and *average daily temperature per week* (the independent variable) is positive (coefficient=0.300) and it is significant (p-value < 5%). The greater the value is for average daily temperature per week, the greater the value is for paper average weight per bag and vice versa.
- The trend between *MGP weekly average weight per bag* (the dependent variable) and *average daily temperature per week* (the independent variable) is positive (coefficient=0.215) and it is significant (p-value < 1%). The greater the value is for average daily temperature per week, the greater the value is for MGP average weight per bag and vice versa.
- The trend between *paper weekly total weight* (the dependent variable) and *average daily temperature per week* (the independent variable) is positive (coefficient=29.309) and it is significant (p-value < 5%). The greater the value is for average daily temperature per week, the greater the value is for paper total weight and vice versa.
- The trend between *MGP weekly total weight* (the dependent variable) and *average daily temperature per week* (the independent variable) is positive (coefficient=23.700) and it is significant (p-value < 1%). The greater the value is for average daily temperature per week, the greater the value is for MGP total weight and vice versa.
- The trend between *paper weekly total contaminant weight* (the dependent variable) and *average daily temperature per week* (the independent variable) is positive (coefficient=1.598) and it is significant (p-value < 10%). The greater the value is for average daily temperature per week, the greater the value is for paper total contaminant weight and vice versa.
- The trend between *MGP weekly total contaminant weight* (the dependent variable) and *average daily temperature per week* (the independent variable) is positive (coefficient=6.598) and it is significant (p-value < 1%). The greater the value is for week, the greater the value is for MGP total contaminant weight and vice versa.

As shown in Table 4-2 above, the "Precipitation" independent variable, containing the average weekly precipitation, tested significant with the following dependent variables: paper and MGP percent contamination and MGP contaminant weight. The "precipitation" independent variable was not significantly related to the remaining dependent variables as the p-values associated from each regression's estimated "precipitation" coefficient was greater than 10 percent.

- The trend between *paper weekly percent contamination* (the dependent variable) and *average weekly precipitation* (the independent variable) is positive (coefficient=0.122) and it is significant (p-value < 10%). The greater the value is for average weekly precipitation, the greater the value is for paper percent contamination and vice versa.
- The trend between *MGP weekly percent contamination* (the dependent variable) and *average weekly precipitation* (the independent variable) is positive (coefficient=0.136)

and it is significant (p-value < 1%). The greater the value is for average weekly precipitation, the greater the value is for MGP percent contamination and vice versa.

- The trend between *MGP weekly contaminant weight* (the dependent variable) and *average weekly precipitation* (the independent variable) is positive (coefficient=68.785) and it is significant (p-value < 10%). The greater the value is for average weekly precipitation, the greater the value is for MGP contaminant weight and vice versa.

4.3 Park Interiors vs. Time

The "week" independent variable, containing numeric values representing each of the weeks from April 4, 2007 to June 27, 2007, tested significant with the following dependent variables: paper and MGP average weight per bag, MGP total weight and MGP contaminant weight (see Table 4-3). The "week" independent variable was not significantly related to the remaining dependent variables as the p-values associated from each regression's estimated "week" coefficient was greater than 10 percent.

Table 4-3 Regression Model Results for the Park Interiors Estimates vs. Time

		Week	
Dependent Variable	**Stream**	**Direction of Trend**	**Significant**
Average Weight Per Bag	Paper	**Positive**	**Yes**
	MGP	**Positive**	**Yes**
Total Weight	Paper	N/A	No
	MGP	**Positive**	**Yes**
Percent Contamination	Paper	N/A	No
	MGP	N/A	No
Contaminant Weight	Paper	**Positive**	**Yes**
	MGP	**Positive**	**Yes**

- The trend between *paper weekly average weight per bag* (the dependent variable) and *week* (the independent variable) is positive (coefficient=0.581) and it is significant (p-value < 5%). The greater the value is for week, the greater the value is for paper average weight per bag and vice versa.
- The trend between *MGP weekly average weight per bag* (the dependent variable) and *week* (the independent variable) is positive (coefficient=0.623) and it is significant (p-value < 1%). The greater the value is for week, the greater the value is for MGP average weight per bag and vice versa.
- The trend between *MGP weekly total weight* (the dependent variable) and *week* (the independent variable) is positive (coefficient=13.639) and it is significant (p-value < 1%). The greater the value is for week, the greater the value is for MGP total weight and vice versa

- The trend between *MGP weekly total contaminant weight* (the dependent variable) and *week* (the independent variable) is positive (coefficient=4.926) and it is significant (p-value < 1%). The greater the value is for week, the greater the value is for MGP total contaminant weight and vice versa.

4.4 Park Interiors vs. Average Daily Temperature and Average Weekly Precipitation

The "temperature" independent variable, containing the daily average temperature per week, tested significant with the following dependent variables: paper and MGP average weight per bag, total weight and contaminant weight (see Table 4-4). No trends tested significant between each of the dependent variables paper and MGP percent contamination and the independent variable average daily temperature per week as the p-values associated with the estimated coefficients for the temperature variable were greater than 10 percent.

Table 4-4 Regression Model Results for the Park Interior vs. Average Daily Temperature and Average Weekly Precipitation

		Average Daily Temperature		Average Weekly Precipitation	
Dependent Variable	**Stream**	**Direction of Trend**	**Significant**	**Direction of Trend**	**Significant**
Average Weight Per Bag	Paper	**Positive**	**Yes**	Positive	Marginal
	MGP	**Positive**	**Yes**	N/A	No
Total Weight	Paper	**Positive**	**Yes**	**Positive**	**Yes**
	MGP	**Positive**	**Yes**	Positive	Marginal
Percent Contamination	Paper	N/A	No	N/A	No
	MGP	N/A	No	N/A	No
Contaminant Weight	Paper	**Positive**	**Yes**	N/A	No
	MGP	**Positive**	**Yes**	N/A	No

- The trend between *paper weekly average weight per bag* (the dependent variable) and *average daily temperature per week* (the independent variable) is positive (coefficient=0.183) and it is significant (p-value < 10%). The greater the value is for average daily temperature per week, the greater the value is for paper average weight per bag and vice versa.
- The trend between *MGP weekly average weight per bag* (the dependent variable) and *average daily temperature per week* (the independent variable) is positive (coefficient=0.262) and it is significant (p-value < 1%). The greater the value is for average daily temperature per week, the greater the value is for MGP average weight per bag and vice versa.
- The trend between *paper weekly total weight* (the dependent variable) and *average daily temperature per week* (the independent variable) is positive (coefficient=4.567) and it is significant (p-value < 10%). The greater the value is for average daily temperature per week, the greater the value is for paper total weight and vice versa.

- The trend between *MGP weekly total weight* (the dependent variable) and *average daily temperature per week* (the independent variable) is positive (coefficient=6.851) and it is significant (p-value < 1%). The greater the value is for average daily temperature per week, the greater the value is for MGP total weight and vice versa.
- The trend between *paper weekly total contaminant weight* (the dependent variable) and *average daily temperature per week* (the independent variable) is positive (coefficient=0.453) and it is significant (p-value < 10%). The greater the value is for average daily temperature per week, the greater the value is for paper total contaminant weight and vice versa.
- The trend between *MGP weekly total contaminant weight* (the dependent variable) and *average daily temperature per week* (the independent variable) is positive (coefficient=2.203) and it is significant (p-value < 1%). The greater the value is for week, the greater the value is for MGP total contaminant weight and vice versa.

The "precipitation" independent variable, containing the average weekly precipitation, tested significant with the paper total weight (see Exhibit 4-4). No trends tested significant between each of the remaining dependent variables and average weekly precipitation as the p-values associated with the estimated coefficients for the precipitation variable were greater than 10 percent.

- The trend between *paper weekly total weight* (the dependent variable) and *average weekly precipitation* (the independent variable) is positive (coefficient=728.658) and it is significant (p-value < 1%). The greater the value is for average weekly precipitation, the greater the value is for paper percent contamination and vice versa.

4.5 Ferry Terminals vs. Time

The "week" independent variable, containing numeric values representing each of the weeks from April 4, 2007 to June 27, 2007, tested significant with the dependent variables MGP total weight and paper percent contamination (see Table 4-5). The "week" independent variable was not significantly related to the remaining dependent variables as the p-values associated from each regression's estimated "week" coefficient was greater than 10 percent.

Table 4-5 Regression Model Results for the Ferry Terminals vs. Time

Dependent Variable	Stream	Time (Weeks)	
		Direction of Trend	Significant
Average Weight Per Bag	Paper	N/A	No
	MGP	N/A	No
Total Weight	Paper	N/A	No
	MGP	**Positive**	**Yes**
Percent Contamination	Paper	**Negative**	**Yes**
	MGP	N/A	No
Contaminant Weight	Paper	N/A	No
	MGP	Positive	Marginal

- The trend between *MGP weekly total weight* (the dependent variable) and *week* (the independent variable) is positive (coefficient=22.251) and it is significant (p-value < 10%). The greater the value is for week, the greater the value is for MGP total weight and vice versa.
- The trend between *paper weekly percent contamination* (the dependent variable) and *week* (the independent variable) is negative (coefficient=-0.004) and it is significant (p-value < 10%). The greater the value is for week, the less the value is for paper percent contamination and vice versa. Note that the coefficient is close to zero in value. The trend while significant shows a moderate rate of change in percent contamination as weeks advance.

4.6 Ferry Terminals vs. Average Daily Temperature and Average Weekly Precipitation

The "temperature" independent variable, containing the daily average temperature per week, tested significant with only the MGP total weight dependent variable (see Table 4-6). The "temperature" independent variable was not significantly related to the remaining dependent variables as the p-values associated from each regression's estimated "temperature" coefficient was greater than 10 percent.

Table 4-6 Regression Model Results for the Ferry Terminals vs. Average Daily Temperature and Average Weekly Precipitation

		Average Daily Temperature		Average Weekly Precipitation	
Dependent Variable	Stream	Direction of Trend	Significant	Direction of Trend	Significant
Average Weight Per Bag	Paper	N/A	No	**Positive**	**Yes**
	MGP	N/A	No	**Positive**	**Yes**
Total Weight	Paper	N/A	No	N/A	No
	MGP	**Positive**	**Yes**	N/A	No
Percent Contamination	Paper	Negative	Marginal	N/A	No
	MGP	N/A	No	N/A	No
Contaminant Weight	Paper	N/A	No	N/A	No
	MGP	Positive	Marginal	N/A	No

- The trend between *MGP weekly total weight* (the dependent variable) and *average daily temperature per week* (the independent variable) is positive (coefficient=8.148) and it is significant (p-value < 10%). The greater the value is for average daily temperature per week, the greater the value is for MGP total weight and vice versa.

The "precipitation" independent variable, containing the average weekly precipitation, tested significant with the paper and MGP average weight per bag dependent variable (see Table 4-6). The "precipitation" independent variable was not significantly related to the remaining dependent variables as the p-values associated from each regression's estimated "precipitation" coefficient was greater than 10 percent.

- The trend between *paper weekly average weight per bag* (the dependent variable) and *average weekly precipitation* (the independent variable) is positive (coefficient=11.460) and it is significant (p-value < 5%). The greater the value is for average weekly precipitation, the greater the value is for paper average weight per bag and vice versa.
- The trend between *MGP weekly average weight per bag* (the dependent variable) and *average weekly precipitation* (the independent variable) is positive (coefficient=4.592) and it is significant (p-value < 5%). The greater the value is for average weekly precipitation, the greater the value is for MGP average weight per bag and vice versa.

5.0 DISCUSSION AND CONCLUSIONS

The Analysis examined the impact of time and weather on the quantity and quality of the material collected. This Analysis was conducted to determine whether there is a significant relationship between: (1) the quantity of material collected and the duration of the Program, (2) the quantity of the material collected and the weather, (3) the quality of the material collected and the duration of the Program, and (4) the quality of the material collected and the weather. The quantity of recyclable material collected across the various site aggregations and recycling streams did increase over time. The rate of growth either slows down or begins to slow down by week 13 of the Program. As the temperature increased, the quantity of recyclable material collected also increased. Weeks with higher average weekly precipitation had higher average bag weights due to the saturation of the materials in the bags. The quality of the materials remained relatively consistent throughout the duration of the Program and was not significantly related to temperature or precipitation. The percent contamination for all sites for the MGP stream was between 35 and 45 percent and it was under 10 percent for the paper streams.

5.1 Quantity of Material Collected

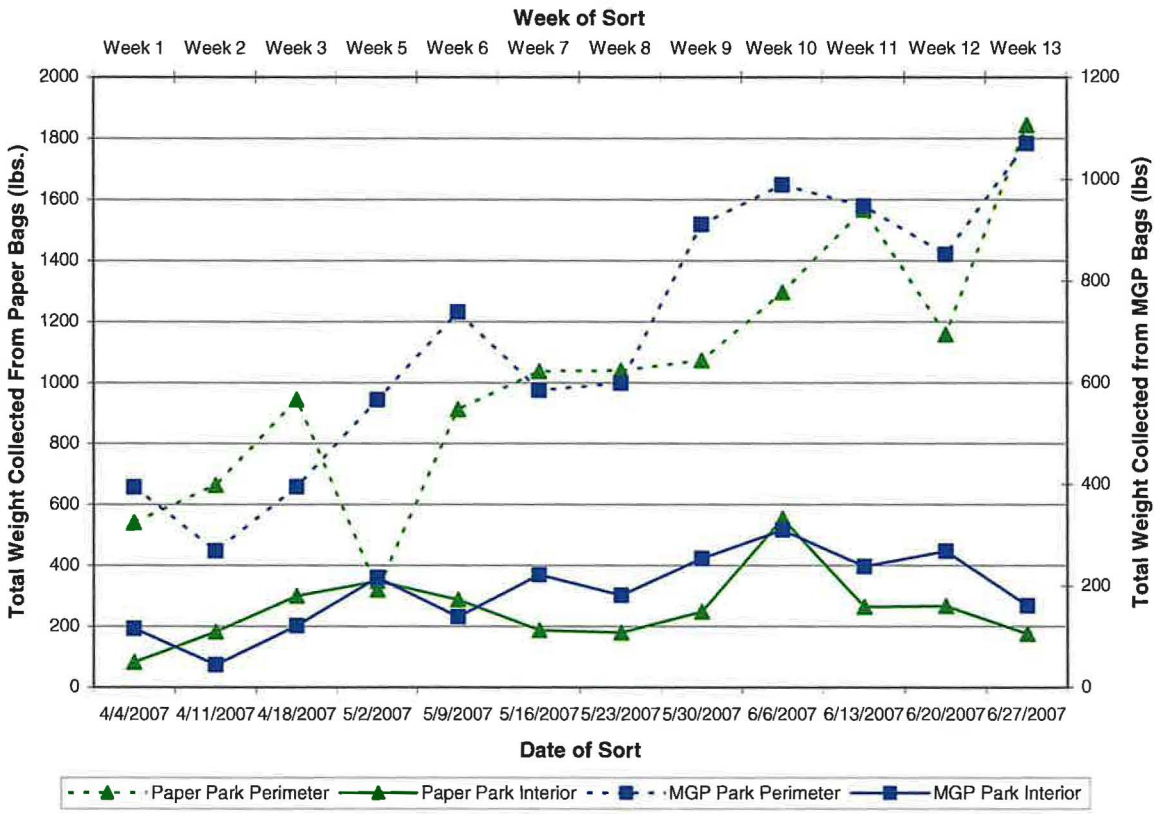
The total quantity of recyclable material collected over the duration of the Program increased from approximately 2,300 pounds in week 1 to over 4,900 pounds in week 13. The total weight of paper was 3,124 pounds in the final week and MGP was 1,799 pounds. The average paper bag weight increased from 14 pounds in week 1 to over 20 pounds in the final week. The average MGP bag weight increased from 9 pounds in week 1 to almost 12 pounds in the final week. While these measurements describe the results, breaking down the information by site, provides better insight into the trends and possible impacts on those trends.

5.1.1 Park Perimeters and Park Interiors

The average weight per bag and total weight increased over the duration of the Program for MGP and paper bags in park perimeters and interiors. As is clear in Graphs 5-1 and 5-2, there is more variability in the average weight per bag and total weight measurements for MGP within the interior of parks than what is observed within park perimeters. This variability may be suggestive of more diverse usage within parks than the traffic using receptacles outside the

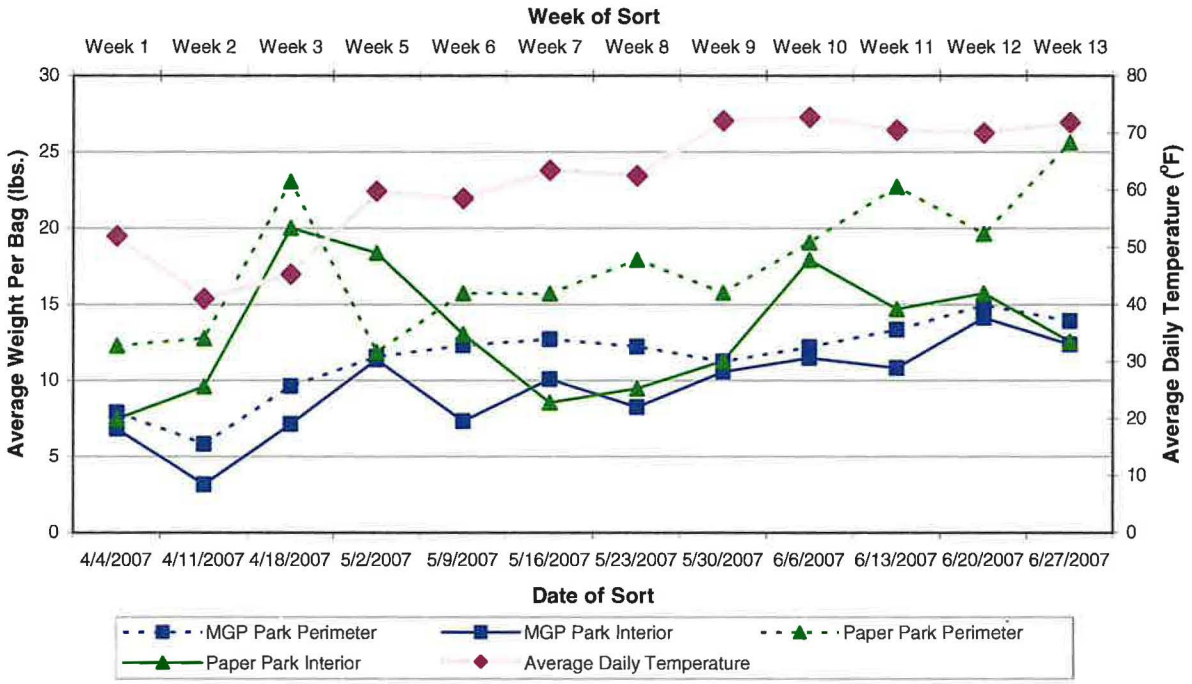
parks. Park interiors had a decrease in MGP and paper average bag weight after June 20, 2007. Park perimeters increased over the course of the Program.

Graph 5-1 Park Perimeters and Interiors Total Weight vs. Time



As Graph 5-2 demonstrates, the total weight and average weight per bag for Park Perimeters and Interiors increased as the temperature increased.

Graph 5-2 Park Perimeters and Interiors Average Weight vs. Time and Average Temperature



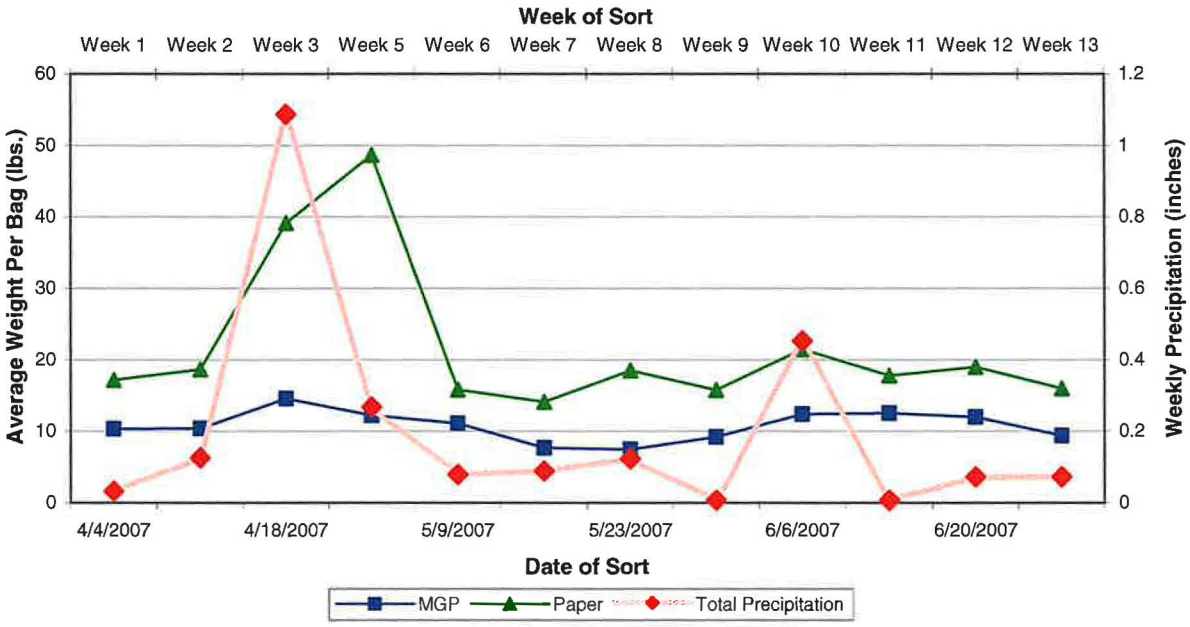
It is likely that the improving weather and summer vacation impacted the volume of material more than the duration of the Program. The Program began in March when the average temperature was 51 degrees Fahrenheit and school was still in session. By week 13, school was out for the summer and the average temperature was over 70 degrees Fahrenheit. As the weather improved and school ended, more people likely used the parks and generated more materials for recycling.

Since the average daily temperature is so closely correlated with time during the study period, it, like time, tested positive with the MGP and paper average weight per bag, MGP total weight, and MGP and paper contaminant weight from the park perimeter and interior sites. In addition, the total weight for the paper stream tested positive with temperature for park perimeters. Temperature was a better predictor than changes in time in explaining the variation in total paper weight within park interiors. The same attribute of interest was also correlated with average weekly precipitation.

5.1.2 Ferry Terminals

The trend, over time, of the quantity of materials collected from the two ferry terminals differs from that collected from the parks. Traffic is primarily driven by commuters and hence, it is generally more immune to weather conditions. People go to work in rain or shine. While the total weight per bag increases slightly over time, the increase is not significant. After June 20, 2007, the trend of total weight of MGP and paper material drops downwards. In addition, the average weight per bag did not increase significantly. With the advent of vacation season, it is likely that fewer people use the ferry terminals.

Graph 5-3 Ferry Terminals Average Bag Weight Average Weekly Precipitation



As Graph 5-3 shows, the average bag weight for both streams in the ferry terminals showed significance with weekly precipitation. The average weight of the bag sloped downward as did the weekly precipitation. Even though tests have shown that a relationship exists, it cannot be said with certainty that the less precipitation there is, the smaller the average weight of the bags. The relationship likely exists because it is masking another underlying factor that is influencing the observed average bag weights. The bags were stored outside for weekly pickup and were often heavily saturated with water, which could increase the average weight of the bags.

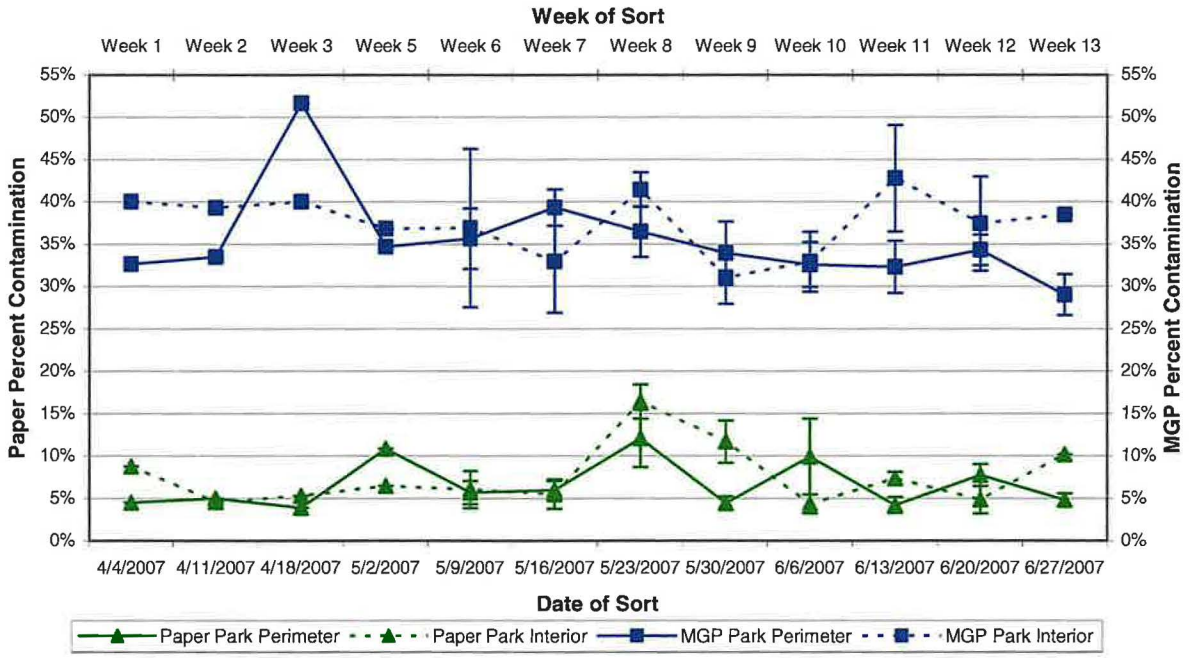
5.2 Quality of Material Collected

The quality of material remained relatively constant throughout the Program. None of the site aggregations showed a statistically significant trend over time for percent contamination with the exception of the paper stream in the ferry terminals. In that case, the percent contamination decreased over time but at a moderate rate. Overall, it appears that there is a consistent percentage of the public who generally know how to use the receptacles as the estimated percent contamination over time is fairly stable.

5.2.1 Park Perimeters and Park Interiors

As stated in Section 4.0, percent contamination is not significantly correlated with time for park perimeters or park interiors for either MGP or paper. It is difficult to discern from Graph 5-4[4] whether there is a trend for percent contamination over time for the paper stream for park perimeters or interiors; however, MGP percent contamination is showing a tendency of decreasing over time within park perimeters; however slight.

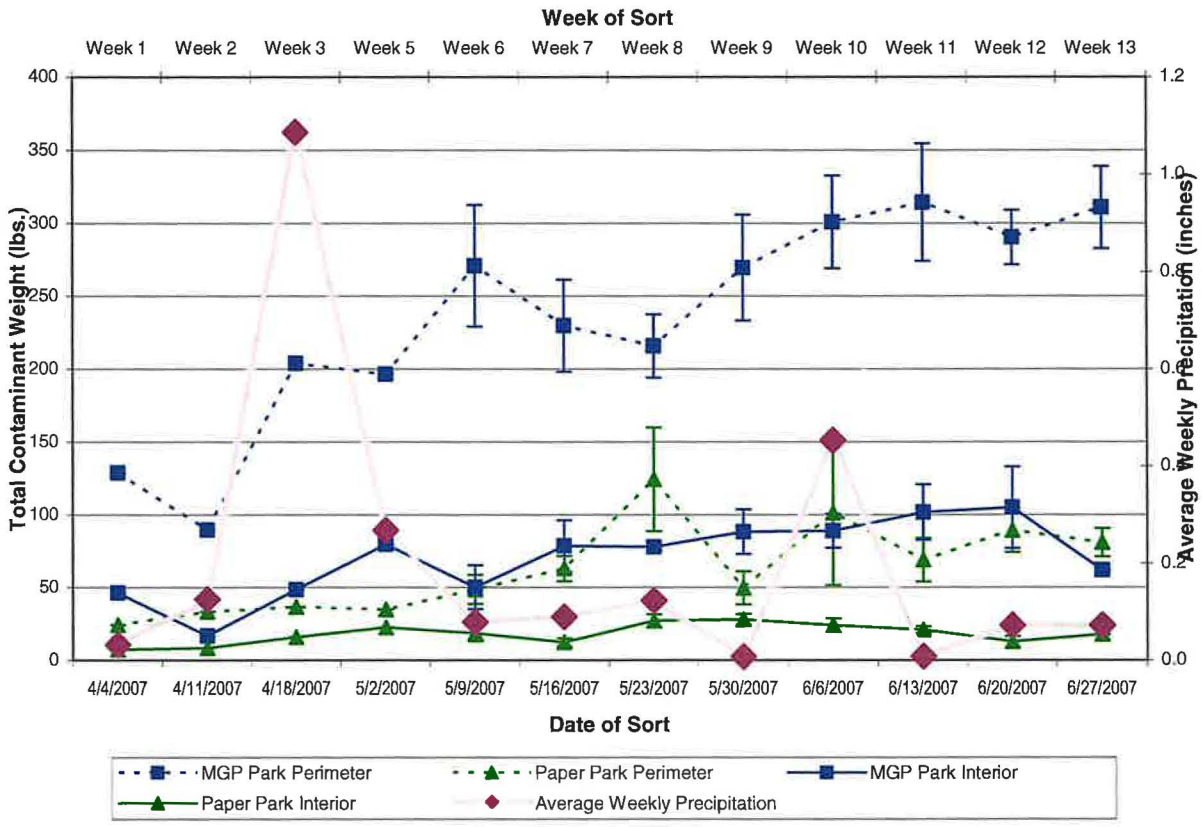
Graph 5-4 Percent Contamination vs. Time for Park Perimeters and Park Interiors



[4] Both park interiors and perimeters MGP and paper seem to experience higher volatility after collection week ending on May 16, 2007.

Both park interiors and perimeters MGP and paper seem to experience higher volatility after collection week ending on May 16, 2007.

Graph 5-5 Contaminant Weight vs. Time for Park Perimeters and Park Interiors



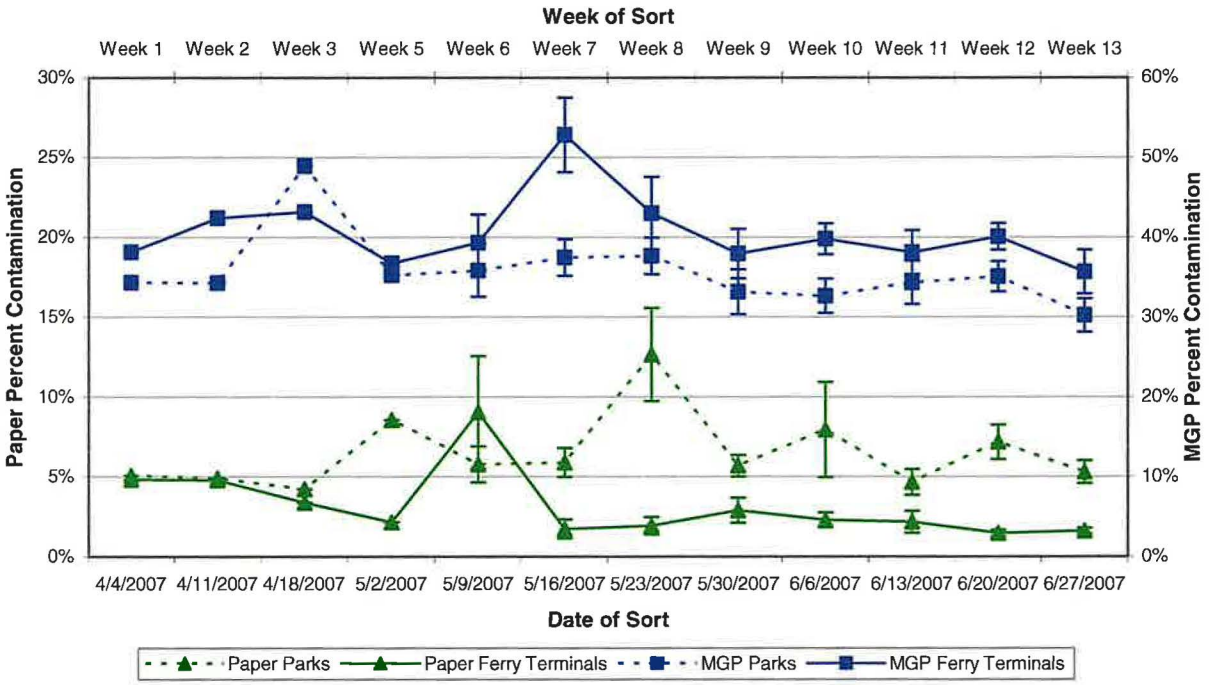
MGP contaminant weight within park perimeters has a significant relationship with weekly precipitation which seems counterintuitive. When MGP contaminant weight is analyzed only with the precipitation observations, the relationship becomes not significant. In this case, precipitation within the duration of the Program is acting in a conflicting manner with contaminant weight depending on the amount of weekly precipitation at given temperature. Precipitation is not a simple predictor of MGP contaminant weight. It provides little value in predicting contaminant weight.

5.2.2 Ferry Terminals

At the start of the Program, in week 1, the estimated percent contamination for the paper stream aggregated over the two the ferry terminals was 4.7 percent and by week 13 it had reached 1.6 percent. The MGP percent contamination fluctuates little over time within the ferry terminals;

hence, there is no observable significant trend over time. Note that the limits of the confidence intervals around the majority of the MGP percent contamination estimates per site category overlap with each other. It appears that the last two estimates from the ferry terminals in week 13 are significantly lower than what is observed in week 12 for MGP. Without further data, it cannot be determined if the desirable, downward trend will continue past week 13. There is a peak in MGP percent contamination at week 7 (May 16, 2007 sort date) within the ferry sites. Nothing unusual in the weather or in the season seems to be able to explain that peak.

Graph 5-6 Percent Contamination vs. Time for Ferry Terminals



The paper percent contamination within the ferry terminals is suggestive of a trend which has been detected as significant from the linear regression tests in Table 4-5. In this case, the confidence intervals around the paper percent contamination estimates are extremely small. Estimates over weeks 6 through 13 do not show a significant trend as the confidence bands, though small, still overlap with intervals or observations from adjacent weeks. After week 5, the percent contamination levels are differentially smaller than those measurements taken over weeks 1 through 4. This change is why the trend has been detected as significant using the regression analysis.

5.3 Future Survey/Analyses

Future surveys and analyses could be designed to confirm and expand on this Analysis. Traditional experimental design studies are challenging to implement as any "control" site would have to be selected such that its site characteristics would resemble those of the site under testing conditions. In addition, it would be difficult to maintain a control site free of any effects of public awareness messaging over time, and over a large geographic area accessible by the public. It is recommended that future studies be designed to address the limitations described in Section 3.0. Small tests at the various sites used in the current Study could be used to measure the diversion rate and quantitatively measure if the Program is reaching its potential in diverting recyclable material from the regular waste stream while maintaining ideal percent contamination rates of material found within the recyclable bags. Including a measurement of the refuse baskets located next to the recycling bins would better assess the impact of time and weather on the Program as these measurements would provide baseline values for understanding any trends in recyclable material. Documenting other potential impacts that occur during the duration of the study such as holidays and special events would further define the impacts on the quantity and quality of the material collected. Finally, including park and ferry visitation counts would help determine the level of public awareness.

APPENDICES

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APPENDIX A

GLOSSARY OF TERMS

Coefficient: In linear regression, the size of the coefficient for each independent variable indicates the size of the effect that variable is having on the dependent variable, while the sign of the coefficient (positive or negative) provides the direction of the effect. It tells you how much the dependent variable is expected to increase (if the coefficient is positive) or decrease (if the coefficient is negative) when that independent variable increases by one, holding all other independent variables constant.

Correlation Coefficient: The correlation coefficient between two variables indicates the strength and direction of a linear relationship between the two variables. If the correlation coefficient is positive, an increasing linear relationship exists. If it is negative, a decreasing linear relationship exists. The closer the correlation coefficient is to either -1 or 1, the stronger the correlation between the variables.

Dependent Variable: In linear regression, the dependent variable (also called the response variable) is the variable that is being predicted. The dependent variable is assumed to be a linear function of one or more independent variables.

Independent Variable: In linear regression, the independent variables (also called predictor variables) are the variables used to predict the dependent variable.

Linear Regression: Linear regression is a regression method that models the relationship between a dependent variable and independent variables. The relationship of the dependent variable to the independent variables is assumed to be a linear function.

p-value: The p-value of a regression coefficient of an independent variable signifies whether the variable has statistically significant predictive capability. For example, with a p-value of 0.10, there is only a 10% chance that the results obtained would have occurred randomly, so it can be said with a 90% probability of being correct that the independent variable is having an association.

R-Square: The R-squared of a regression model is the proportion of the variation in the dependent variable that is accounted for (or predicted by) the independent variables. The closer the value is to 1, the better the fit of the model to the data.

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APPENDIX B

LINEAR REGRESSION ANALYSIS RESULTS

To assess the relationship of weekly pilot measurements/estimates over time, regression models were fit using a given pilot measurement/estimate as the dependent variable and time (collection week) as the independent variable. If the coefficient of the time variable is found to be statistically significant (essentially non-zero in value), it can be concluded that time has a significant effect on the nature of the measurement/estimate. The sign of the coefficient (positive or negative) and its corresponding p-value statistic indicate the direction and strength, respectively, of the relationship. A positive-valued coefficient indicates an increasing trend in the dependent variable as time moves forward. A p-value ≤ 0.10 signifies that the coefficient is significant at the 90 percent confidence level.

Table B-1 Regression Model Results for the Overall Estimates vs. Time

Dependent Variable	Stream	Intercept		Week		R-Square
		Coefficient	P-value	Coefficient	P-value	
Average Weight Per Bag	Paper	12.997	0.000	0.503	0.004	0.664
	MGP	8.540	0.000	0.311	0.010	0.499
Total Weight	Paper	1,807.002	0.001	119.274	0.013	0.562
	MGP	853.636	0.000	97.600	0.000	0.761
Percent Contamination	Paper	0.056	0.000	-0.001	0.469	0.067
	MGP	0.416	0.000	-0.005	0.122	0.222
Contaminant Weight	Paper	106.910	0.005	2.581	0.447	0.074
	MGP	369.591	0.000	29.585	0.001	0.707

Table B-2 Regression Model Results for the Overall Estimates vs. Average Daily Temperature and Average Weekly Precipitation

Dependent Variable	Stream	Intercept		Average Temperature		Precipitation		R-Square
		Coefficient	P-value	Coefficient	P-value	Coefficient	P-value	
Average Weight Per Bag	Paper	7.364	0.115	0.142	0.063	5.645	0.315	0.495
	MGP	2.298	0.393	0.130	0.009	2.357	0.123	0.555
Total Weight	Paper	28.508	0.976	39.904	0.027	1,777.274	0.171	0.622
	MGP	-834.716	0.040	38.718	0.000	46.777	0.809	0.872
Percent Contamination	Paper	0.070	0.041	0.000	0.430	0.027	0.474	0.138
	MGP	0.462	0.000	-0.001	0.181	0.053	0.179	0.440
Contaminant Weight	Paper	78.938	0.362	0.591	0.656	102.243	0.356	0.162
	MGP	-159.696	0.286	11.908	0.000	48.720	0.538	0.789

Table B-3 Regression Model Results for the Park Estimates vs. Time

Dependent Variable	Stream	Intercept		Week		R-Square
		Coefficient	P-value	Coefficient	P-value	
Average Weight Per Bag	Paper	9.450	0.000	0.891	0.000	0.825
	MGP	6.777	0.000	0.581	0.000	0.792
Total Weight	Paper	559.704	0.004	100.846	0.000	0.830
	MGP	335.976	0.002	75.349	0.000	0.850
Percent Contamination	Paper	0.057	0.014	0.001	0.632	0.030
	MGP	0.396	0.000	-0.005	0.141	0.204
Contaminant Weight	Paper	36.682	0.105	6.253	0.026	0.482
	MGP	150.706	0.000	21.331	0.000	0.822

Table B-4 Regression Model Results for the Park Estimates vs. Average Daily Temperature and Average Weekly Precipitation

Dependent Variable	Stream	Intercept		Average Temperature		Precipitation		R-Square
		Coefficient	P-value	Coefficient	P-value	Coefficient	P-value	
Average Weight Per Bag	Paper	-1.511	0.808	0.283	0.020	0.416	0.958	0.569
	MGP	-3.077	0.274	0.224	0.000	1.334	0.374	0.785
Total Weight	Paper	-860.286	0.164	33.875	0.006	632.214	0.401	0.712
	MGP	-1,032.343	0.000	30.570	0.000	150.535	0.114	0.950
Percent Contamination	Paper	0.041	0.451	0.000	0.745	0.063	0.369	0.141
	MGP	0.408	0.000	-0.001	0.203	0.104	0.007	0.705
Contaminant Weight	Paper	-54.341	0.375	2.050	0.057	97.235	0.227	0.531
	MGP	-253.801	0.004	8.801	0.000	82.710	0.045	0.897

Table B-5 Regression Model Results for the Ferry Terminal Estimates vs. Time

Dependent Variable	Stream	Intercept		Week		R-Square
		Coefficient	P-value	Coefficient	P-value	
Average Weight Per Bag	Paper	16.988	0.000	0.055	0.774	0.011
	MGP	11.203	0.000	-0.059	0.730	0.012
Total Weight	Paper	1,247.298	0.001	18.428	0.552	0.046
	MGP	517.660	0.000	22.251	0.053	0.325
Percent Contamination	Paper	0.061	0.003	-0.004	0.067	0.358
	MGP	0.424	0.000	-0.002	0.498	0.047
Contaminant Weight	Paper	70.228	0.014	-3.672	0.190	0.204
	MGP	218.886	0.000	8.254	0.105	0.241

Table B-6 Regression Model Results for the Ferry Terminal Estimates vs. Average Daily Temperature and Average Weekly Precipitation

Dependent Variable	Stream	Intercept		Average Temperature		Precipitation		R-Square
		Coefficient	P-value	Coefficient	P-value	Coefficient	P-value	
Average Weight Per Bag	Paper	17.020	0.002	-0.013	0.824	11.460	0.039	0.480
	MGP	8.921	0.034	0.015	0.789	4.592	0.041	0.410
Total Weight	Paper	888.794	0.243	6.029	0.600	1,145.061	0.240	0.239
	MGP	197.626	0.449	8.148	0.061	-103.758	0.461	0.463
Percent Contamination	Paper	0.113	0.042	-0.001	0.122	-0.007	0.909	0.315
	MGP	0.460	0.001	-0.001	0.551	0.010	0.849	0.064
Contaminant Weight	Paper	133.280	0.087	-1.459	0.208	5.007	0.955	0.217
	MGP	94.106	0.448	3.106	0.121	-33.990	0.609	0.344

Table B-7 Regression Model Results for the Park Perimeter Estimates vs. Time

Dependent Variable	Stream	Intercept		Week		R-Square
		Coefficient	P-value	Coefficient	P-value	
Average Weight Per Bag	Paper	10.276	0.000	0.942	0.000	0.812
	MGP	7.360	0.000	0.569	0.000	0.764
Total Weight	Paper	420.557	0.011	87.673	0.000	0.820
	MGP	245.863	0.004	61.688	0.000	0.857
Percent Contamination	Paper	0.054	0.028	0.001	0.580	0.040
	MGP	0.399	0.000	-0.006	0.170	0.180
Contaminant Weight	Paper	26.973	0.168	5.238	0.033	0.455
	MGP	116.150	0.000	16.405	0.000	0.811

Table B-8 Regression Model Results for the Park Perimeter Estimates vs. Average Daily Temperature and Average Weekly Precipitation

Dependent Variable	Stream	Intercept		Average Temperature		Precipitation		R-Square
		Coefficient	P-value	Coefficient	P-value	Coefficient	P-value	
Average Weight Per Bag	Paper	-1.143	0.866	0.300	0.022	-1.886	0.827	0.552
	MGP	-2.014	0.515	0.215	0.001	1.315	0.434	0.725
Total Weight	Paper	-736.494	0.228	29.309	0.012	-96.393	0.896	0.617
	MGP	-784.282	0.004	23.700	0.000	82.093	0.467	0.881
Percent Contamination	Paper	0.035	0.495	0.000	0.747	0.122	0.089	0.379
	MGP	0.395	0.000	-0.001	0.320	0.136	0.005	0.701
Contaminant Weight	Paper	-42.617	0.439	1.598	0.092	90.315	0.216	0.483
	MGP	-185.486	0.019	6.598	0.000	68.785	0.080	0.834
	MGP	240.128	0.000	N/A	N/A	-25.039	0.743	0.011

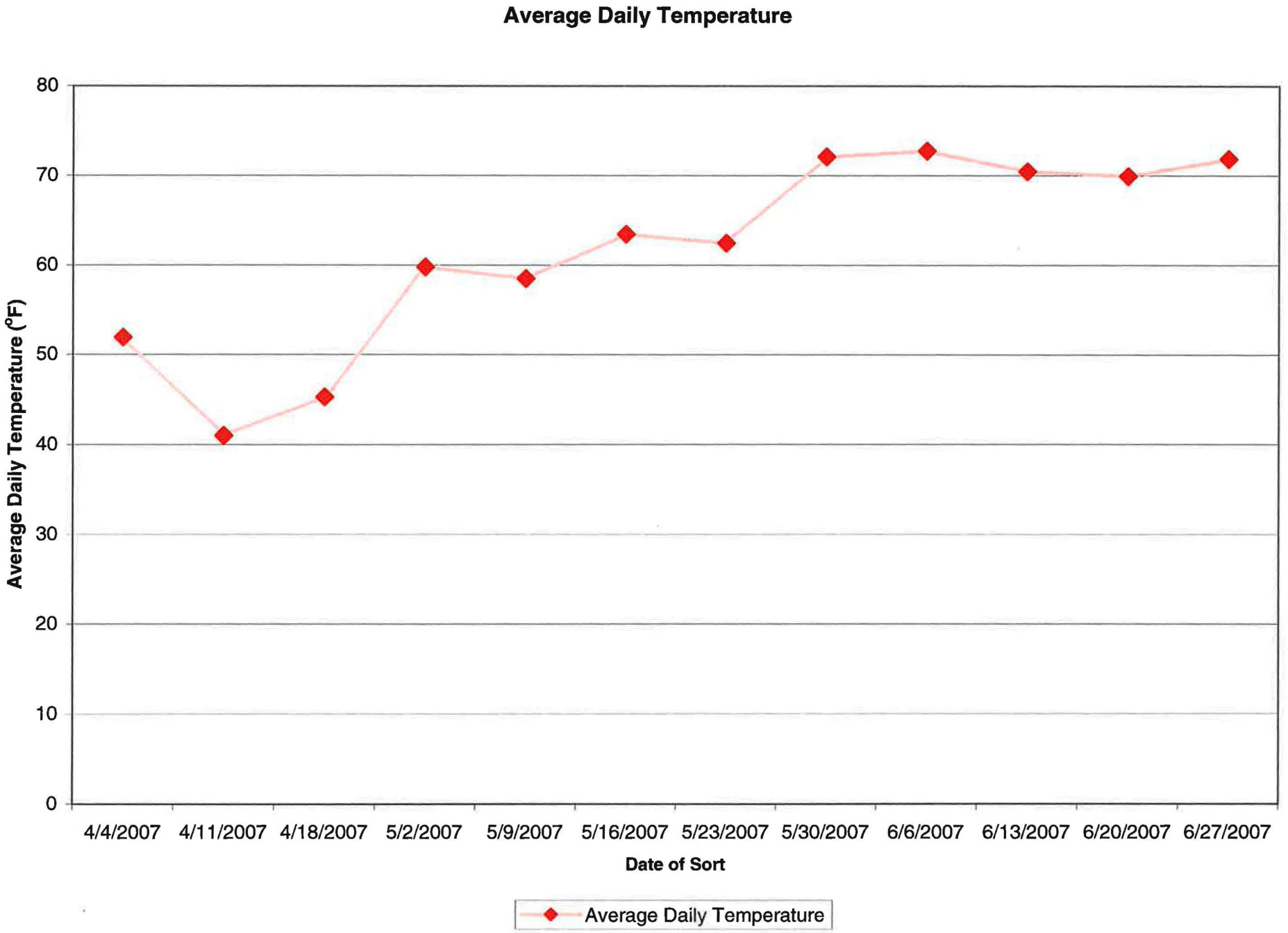
Table B-9 Regression Model Results for the Park Interior Estimates vs. Time

Dependent Variable	Stream	Intercept		Week		R-Square
		Coefficient	P-value	Coefficient	P-value	
Average Weight Per Bag	Paper	7.445	0.004	0.581	0.027	0.478
	MGP	4.991	0.001	0.623	0.001	0.692
Total Weight	Paper	139.066	0.152	13.178	0.225	0.178
	MGP	90.335	0.028	13.639	0.010	0.500
Percent Contamination	Paper	0.072	0.042	0.001	0.780	0.010
	MGP	0.387	0.000	-0.002	0.576	0.032
Contaminant Weight	Paper	9.709	0.080	1.015	0.103	0.297
	MGP	34.555	0.012	4.926	0.005	0.560

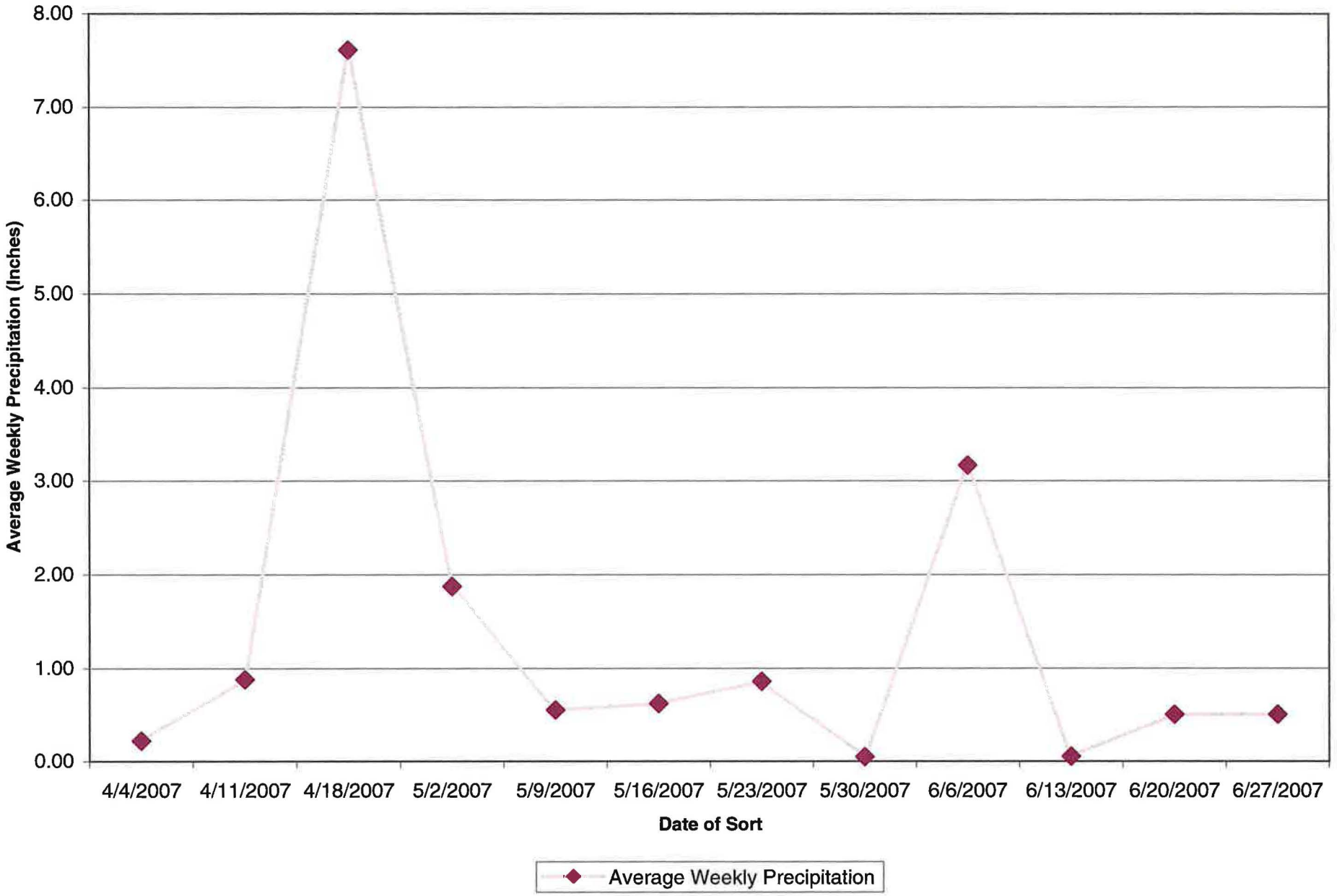
Table B-10 Regression Model Results for the Park Interior Estimates vs. Average Daily Temperature and Average Weekly Precipitation

Dependent Variable	Stream	Intercept		Average Temperature		Precipitation		R-Square
		Coefficient	P-value	Coefficient	P-value	Coefficient	P-value	
Average Weight Per Bag	Paper	-0.768	0.885	0.183	0.057	11.224	0.129	0.574
	MGP	-7.074	0.038	0.262	0.000	2.041	0.227	0.800
Total Weight	Paper	-123.959	0.389	4.567	0.068	728.658	0.004	0.785
	MGP	-246.800	0.009	6.851	0.000	68.152	0.124	0.805
Percent Contamination	Paper	0.040	0.642	0.001	0.562	-0.104	0.358	0.146
	MGP	0.466	0.000	-0.001	0.231	-0.012	0.766	0.159
Contaminant Weight	Paper	-11.724	0.398	0.453	0.063	6.921	0.690	0.437
	MGP	-68.315	0.043	2.203	0.001	13.925	0.397	0.745

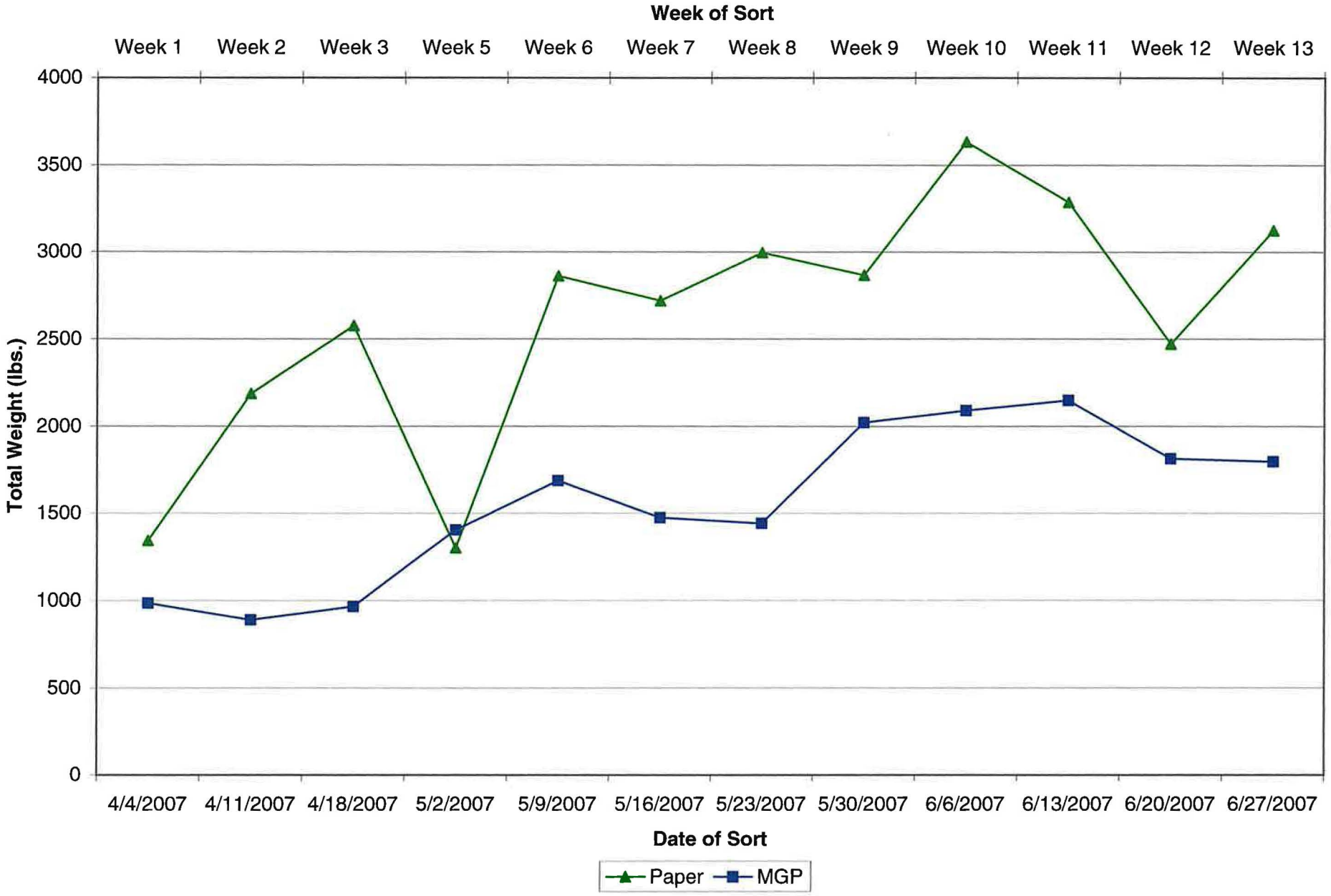
APPENDIX C
GRAPHICAL ANALYSIS RESULTS


Average Daily Temperature
Average Daily Temperature (°F)
80
70
60
50
40
30
20
10
0
4/4/2007
4/11/2007
4/18/2007
5/2/2007
5/9/2007
5/16/2007
5/23/2007
5/30/2007
6/6/2007
6/13/2007
6/20/2007
6/27/2007
Date of Sort
Average Daily Temperature

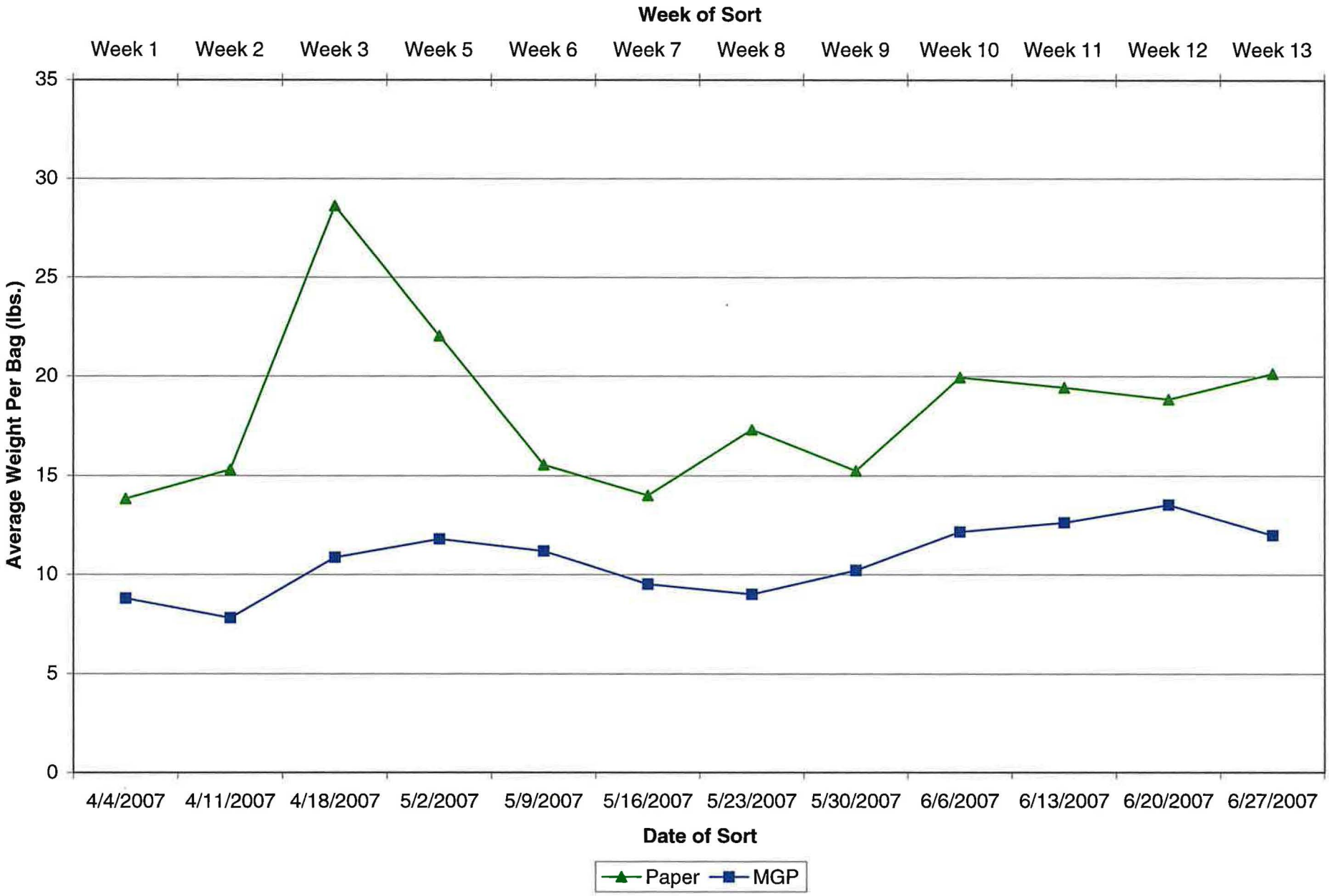
Average Weekly Precipitation



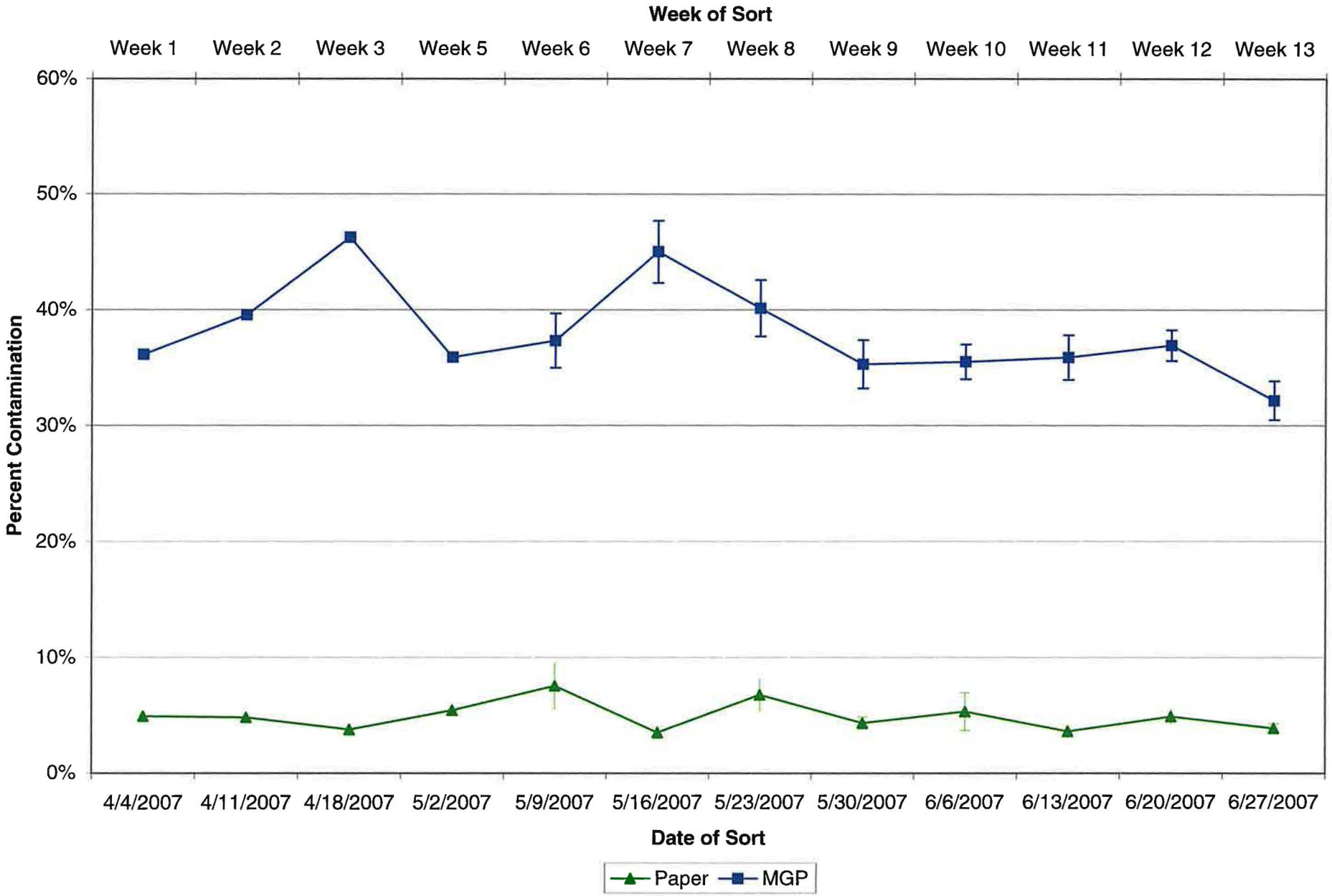
Weekly Observed Total Weight Across All Sites



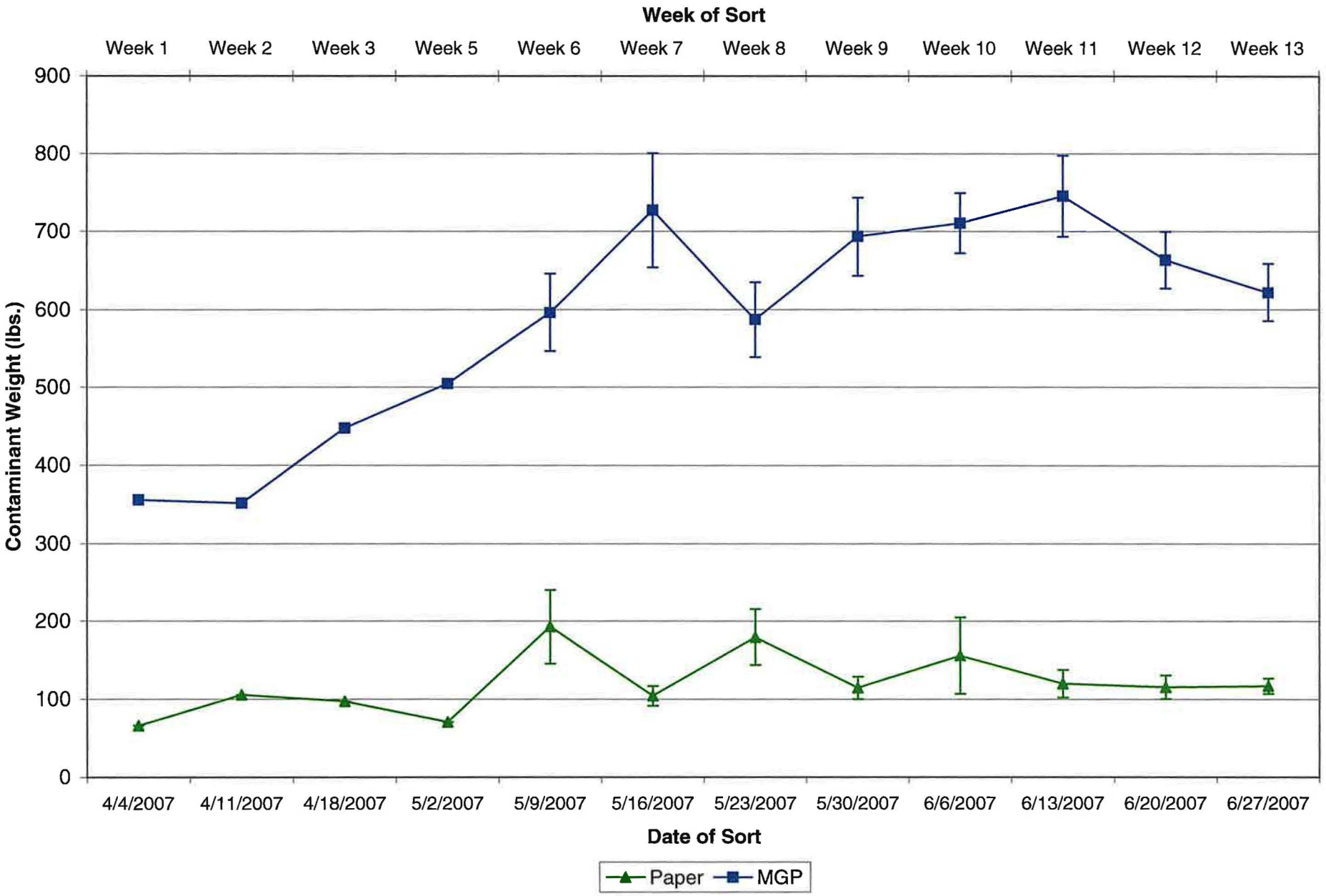
Weekly Observed Average Weight Per Bag Across All Sites



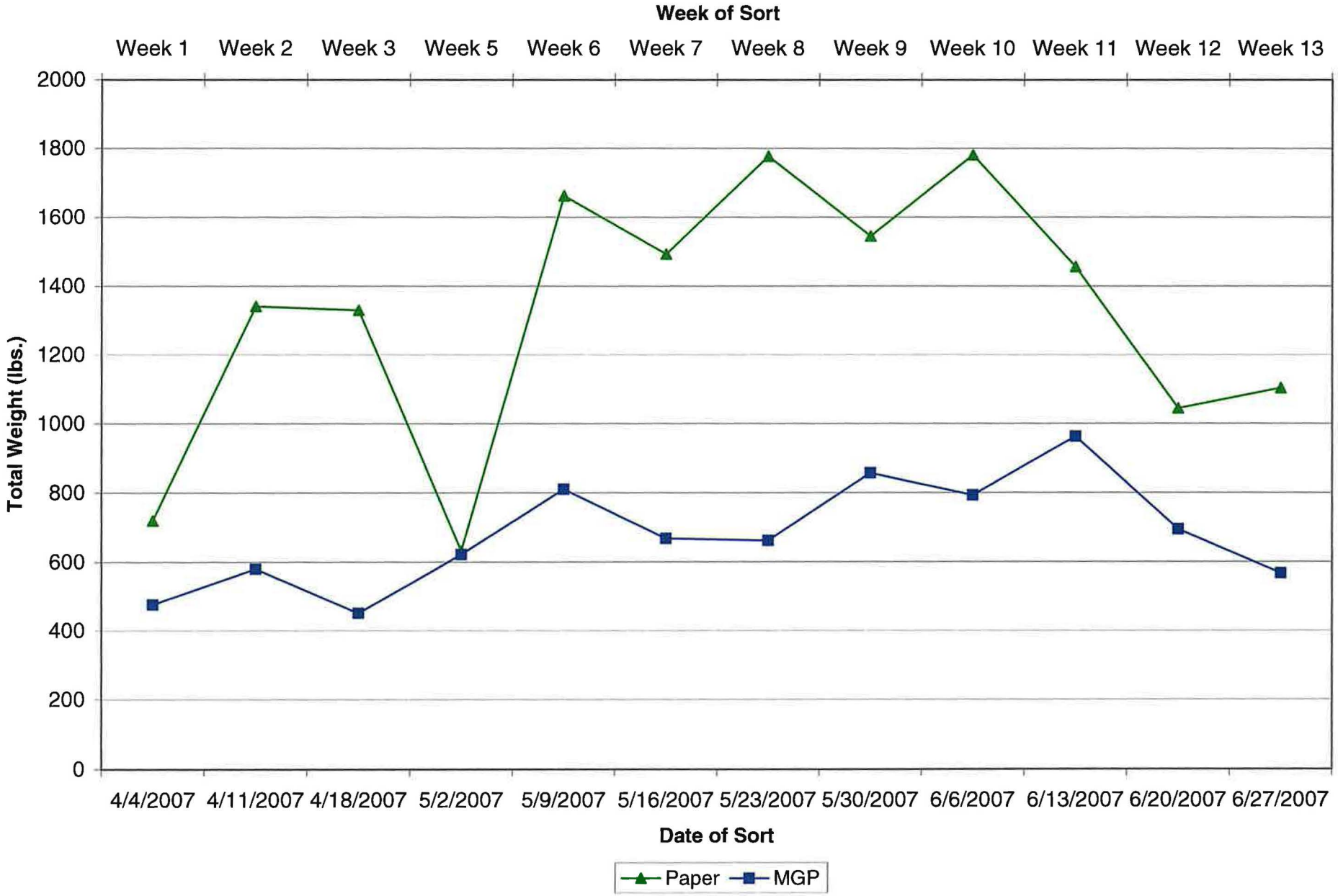
Weekly Estimated Percent Contamination Across All Sites



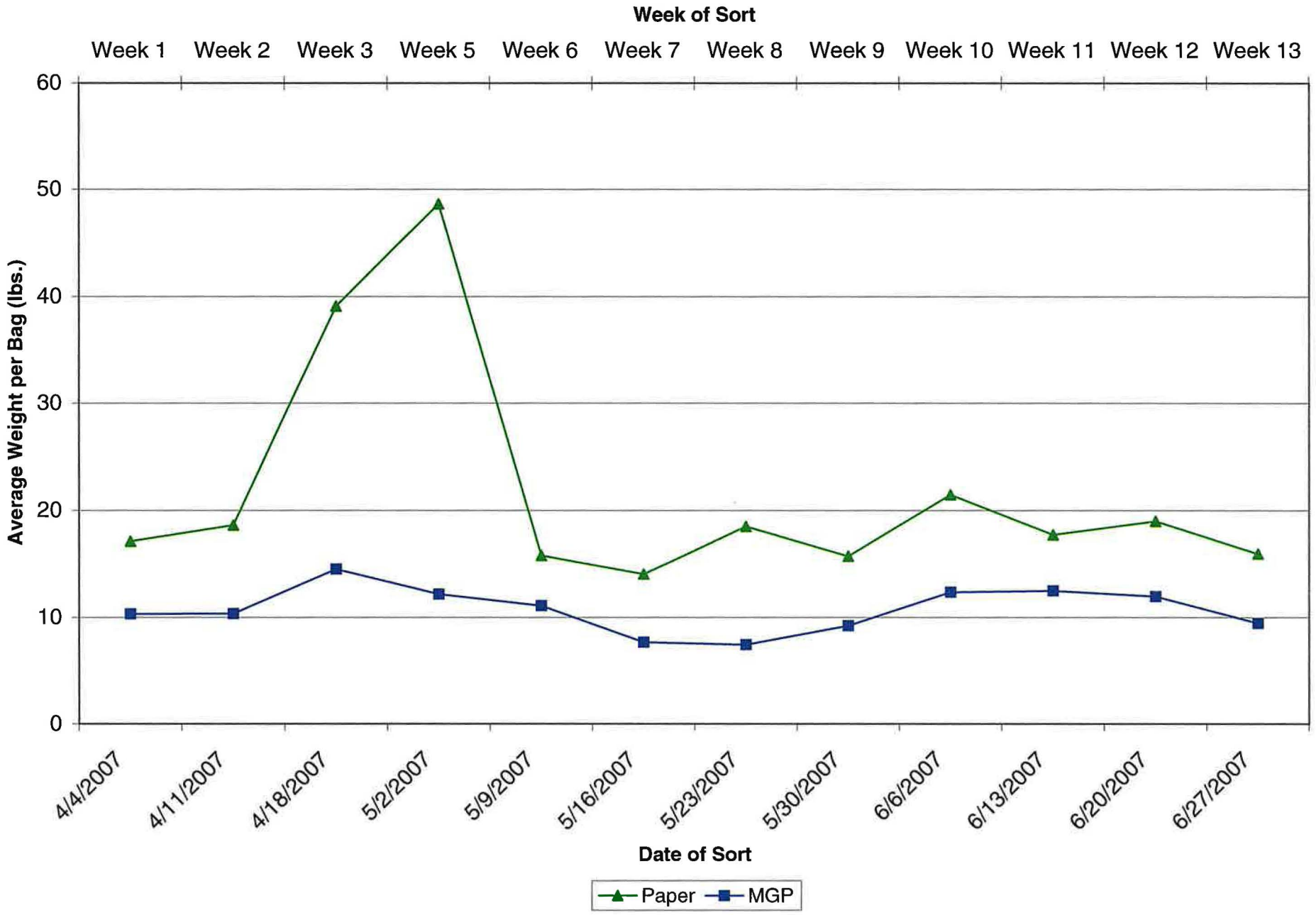
Weekly Estimated Contaminant Weight Across All Sites



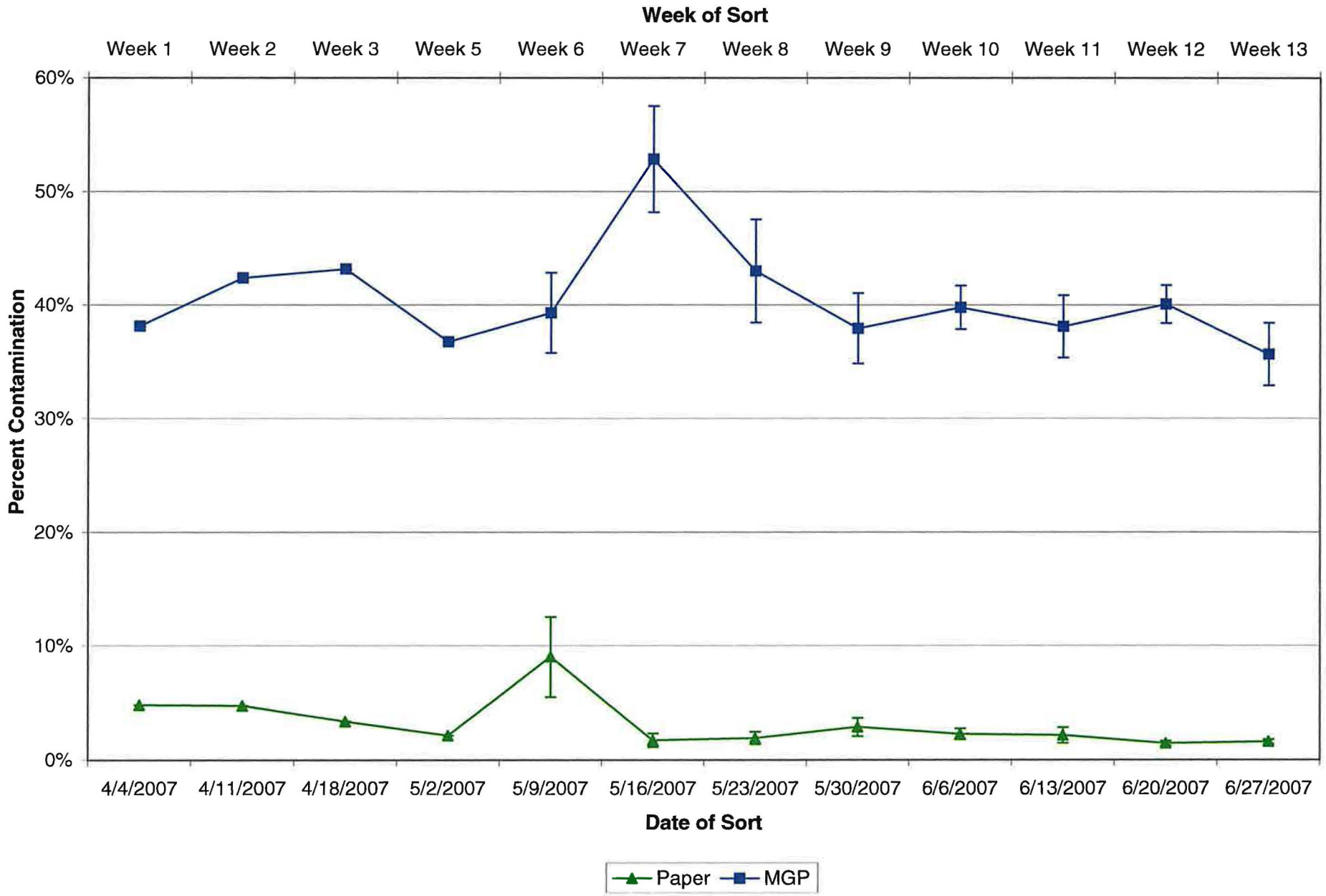
Weekly Observed Total Weight Across All Ferry Terminals



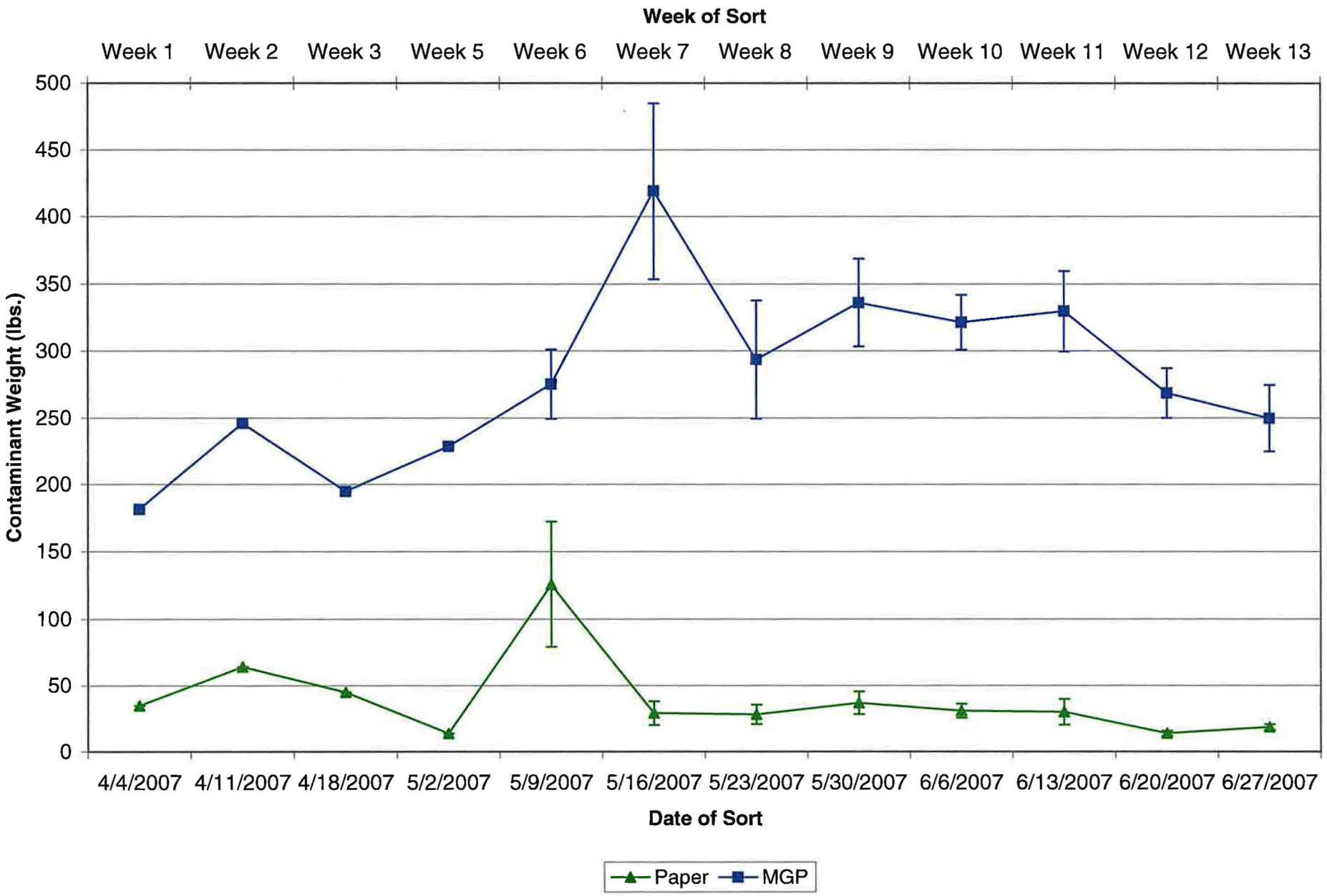
Weekly Observed Average Weight Per Bag Across All Ferry Terminals



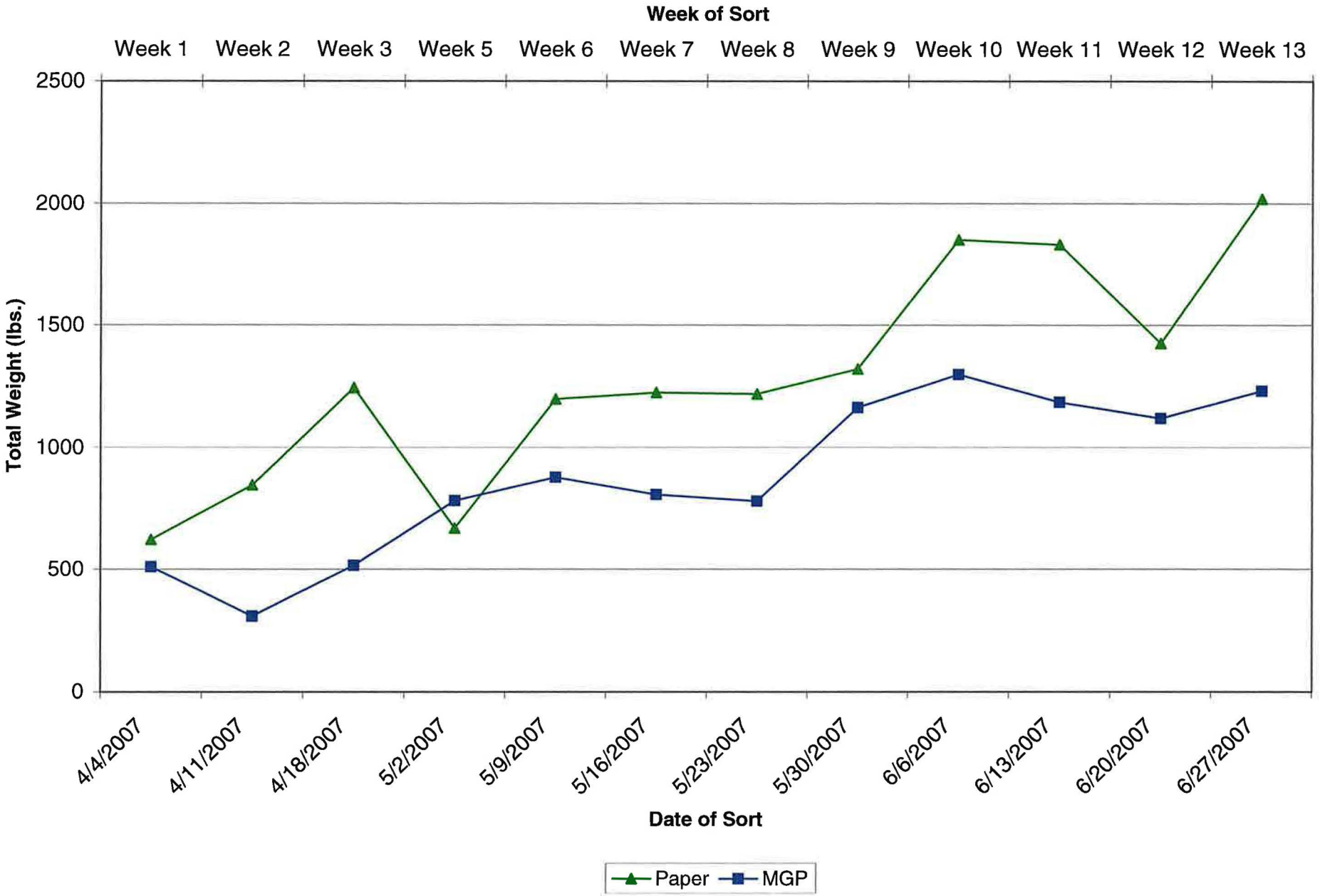
Weekly Estimated Percent Contamination Across All Ferry Terminals



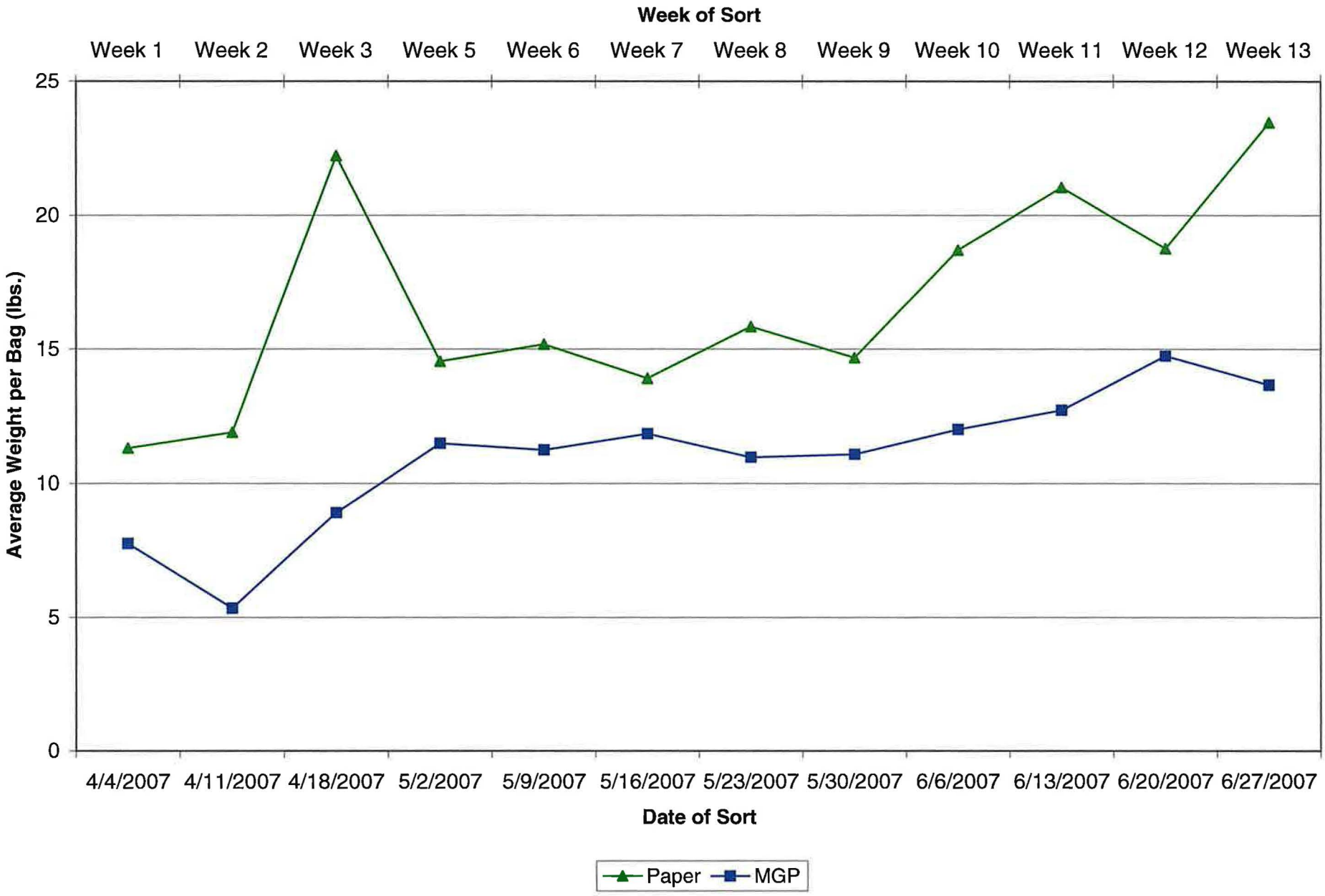
Weekly Estimated Contaminant Weight Across All Ferry Terminals



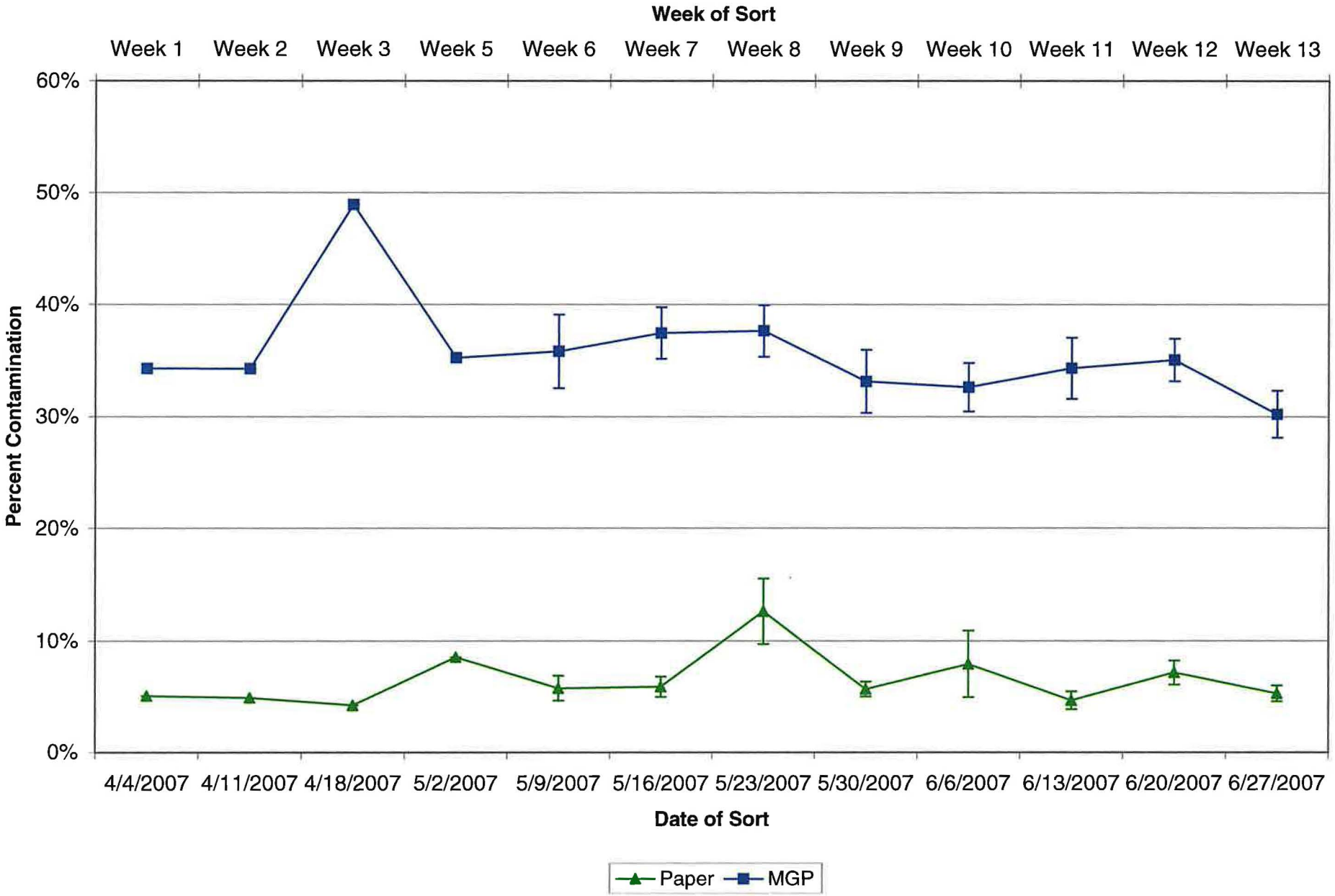
Weekly Observed Total Weight Across All Parks



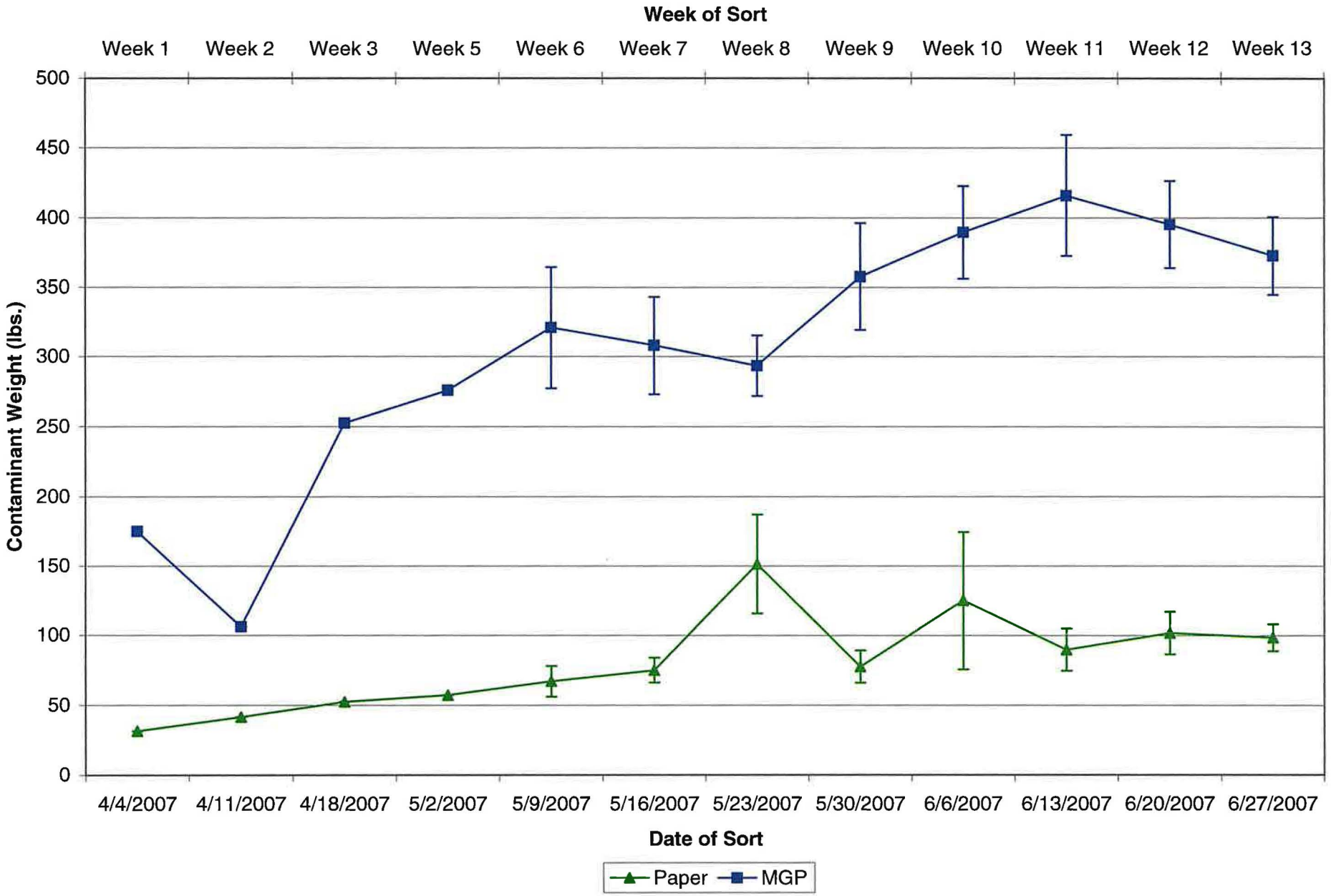
Weekly Observed Average Bag Weight Across All Parks



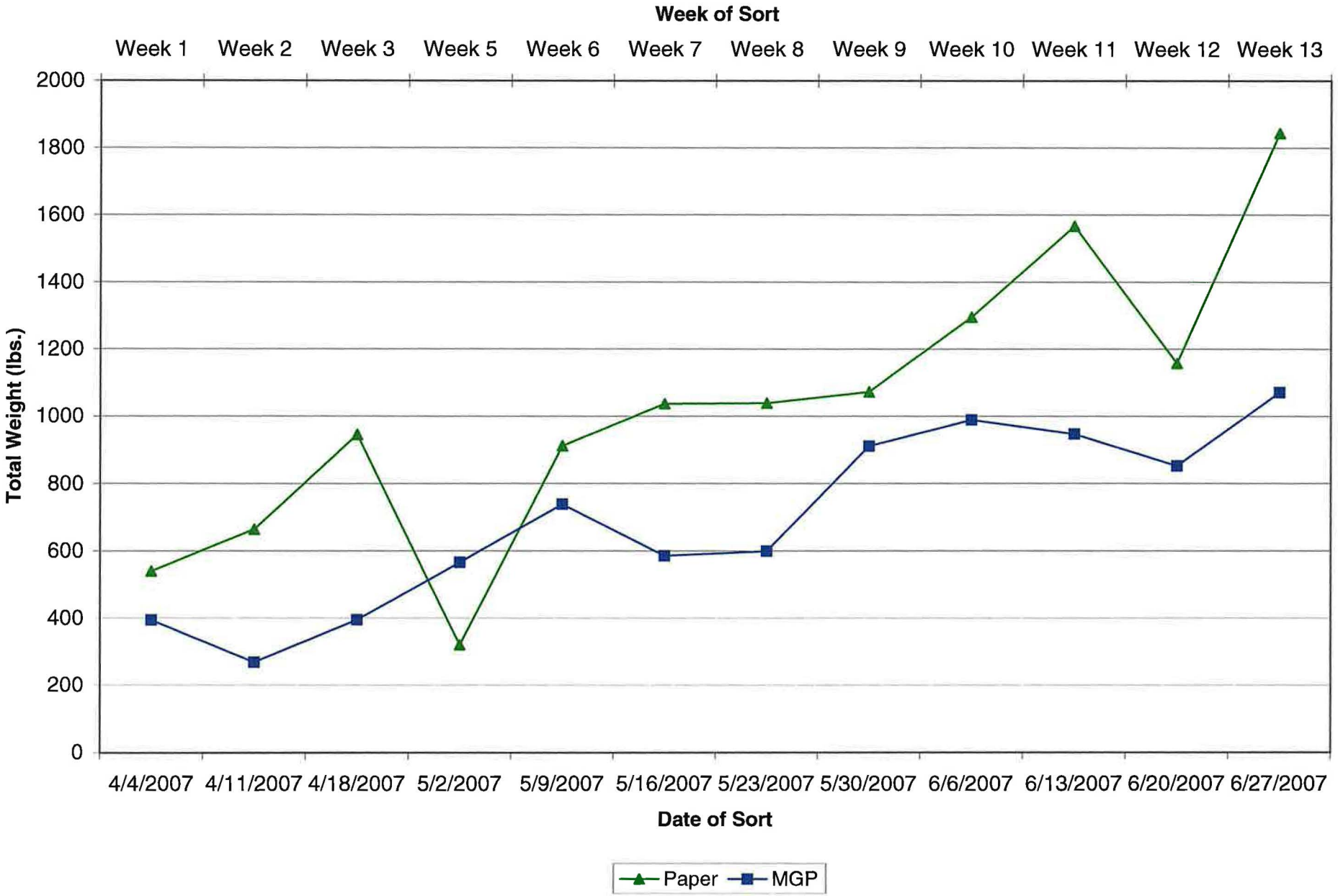
Estimated Percent Contamination Across All Parks



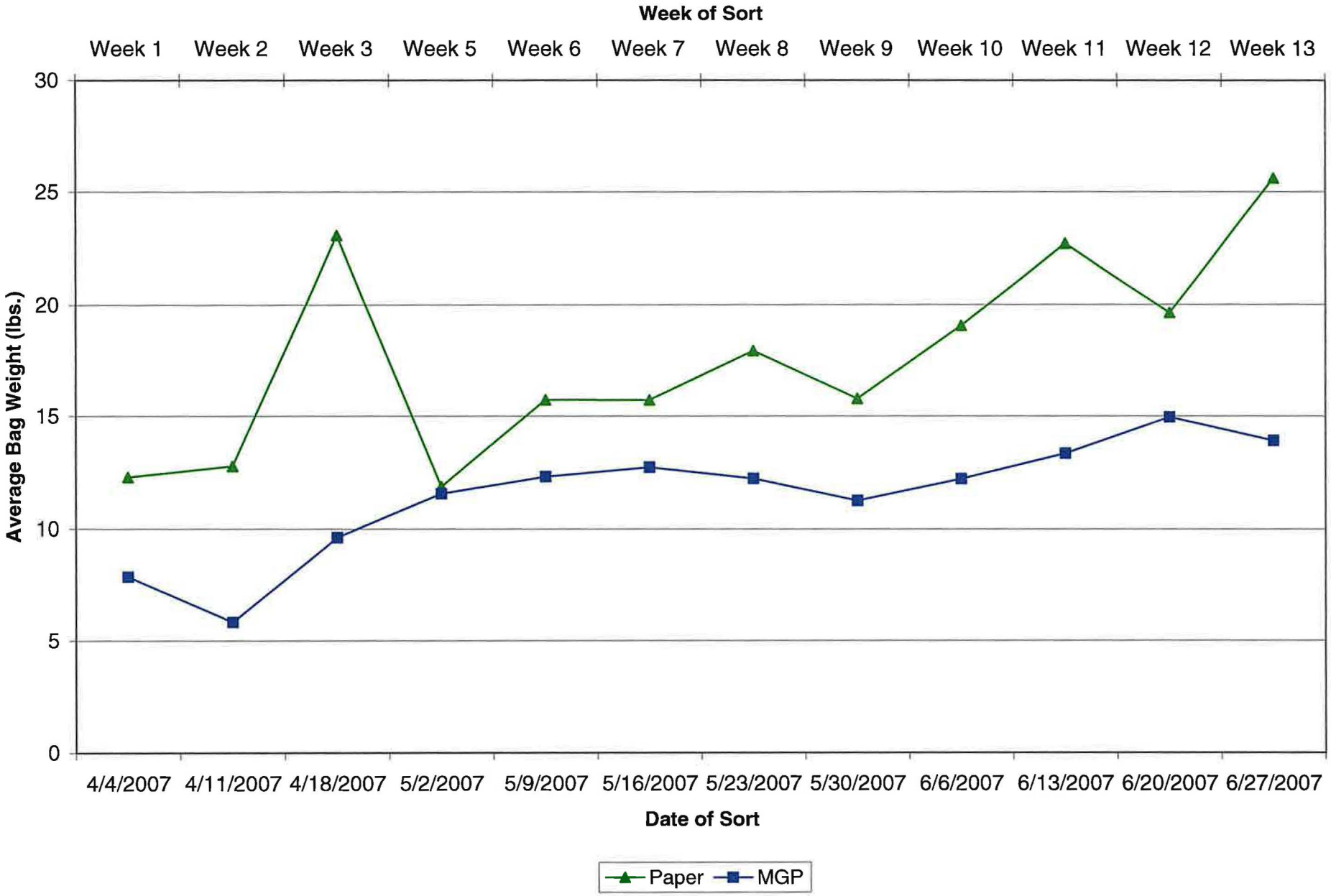
Weekly Estimated Contaminant Weight Across All Parks



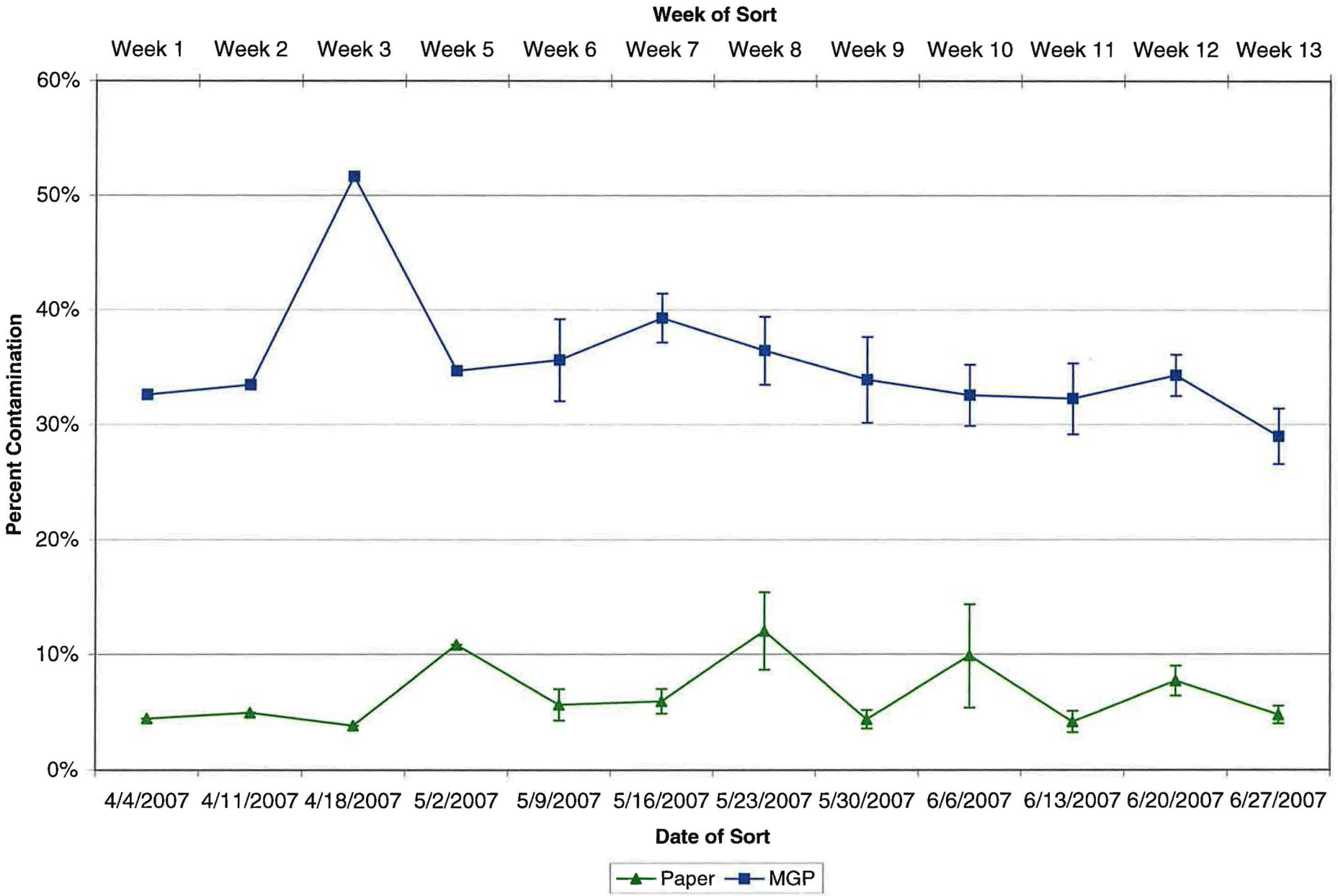
Weekly Observed Total Weight Across All Park Perimeters



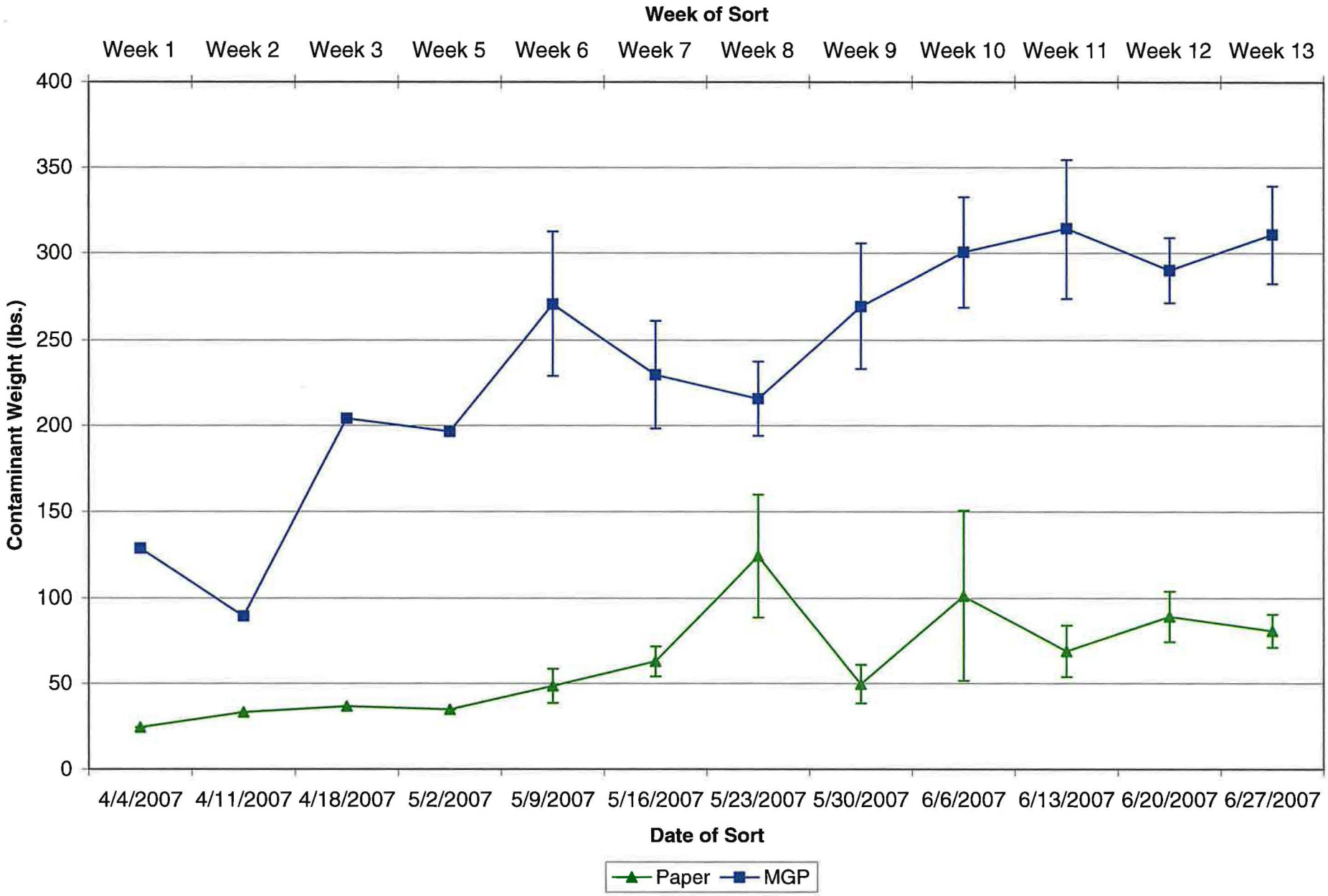
Weekly Observed Average Bag Weight Across All Park Perimeters



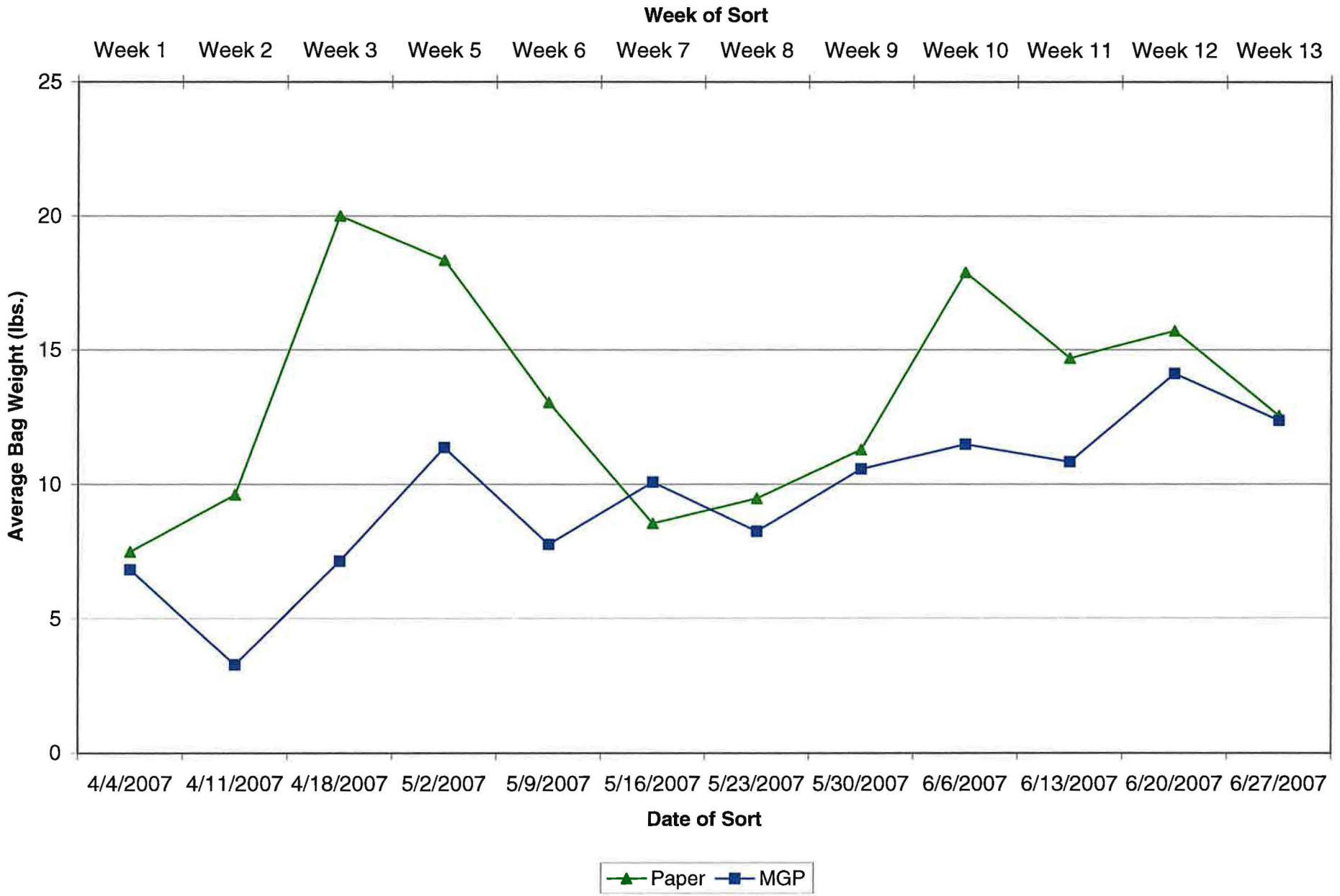
Weekly Estimated Percent Contamination Across All Park Perimeters



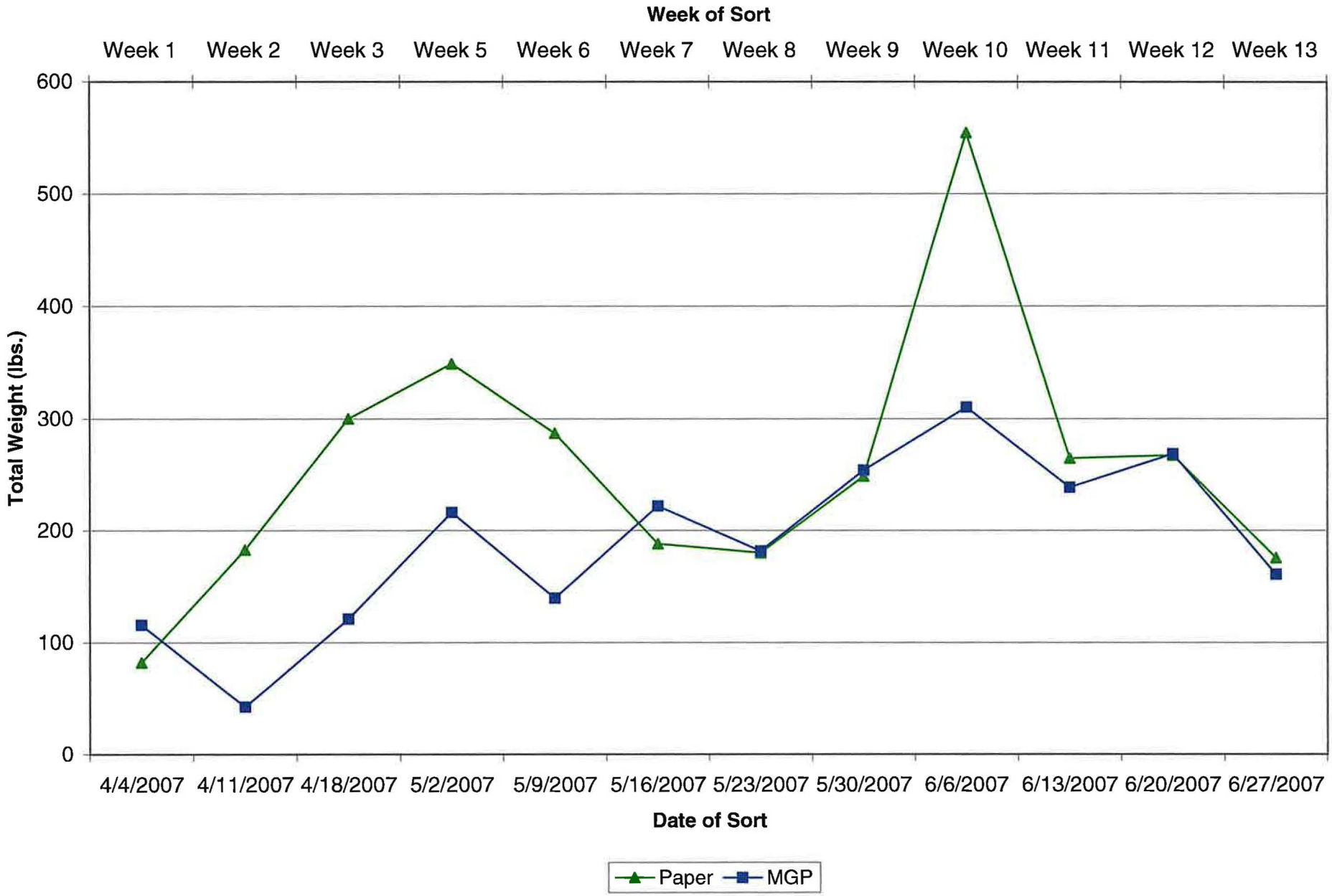
Weekly Estimated Contaminant Weight Across All Park Perimeters



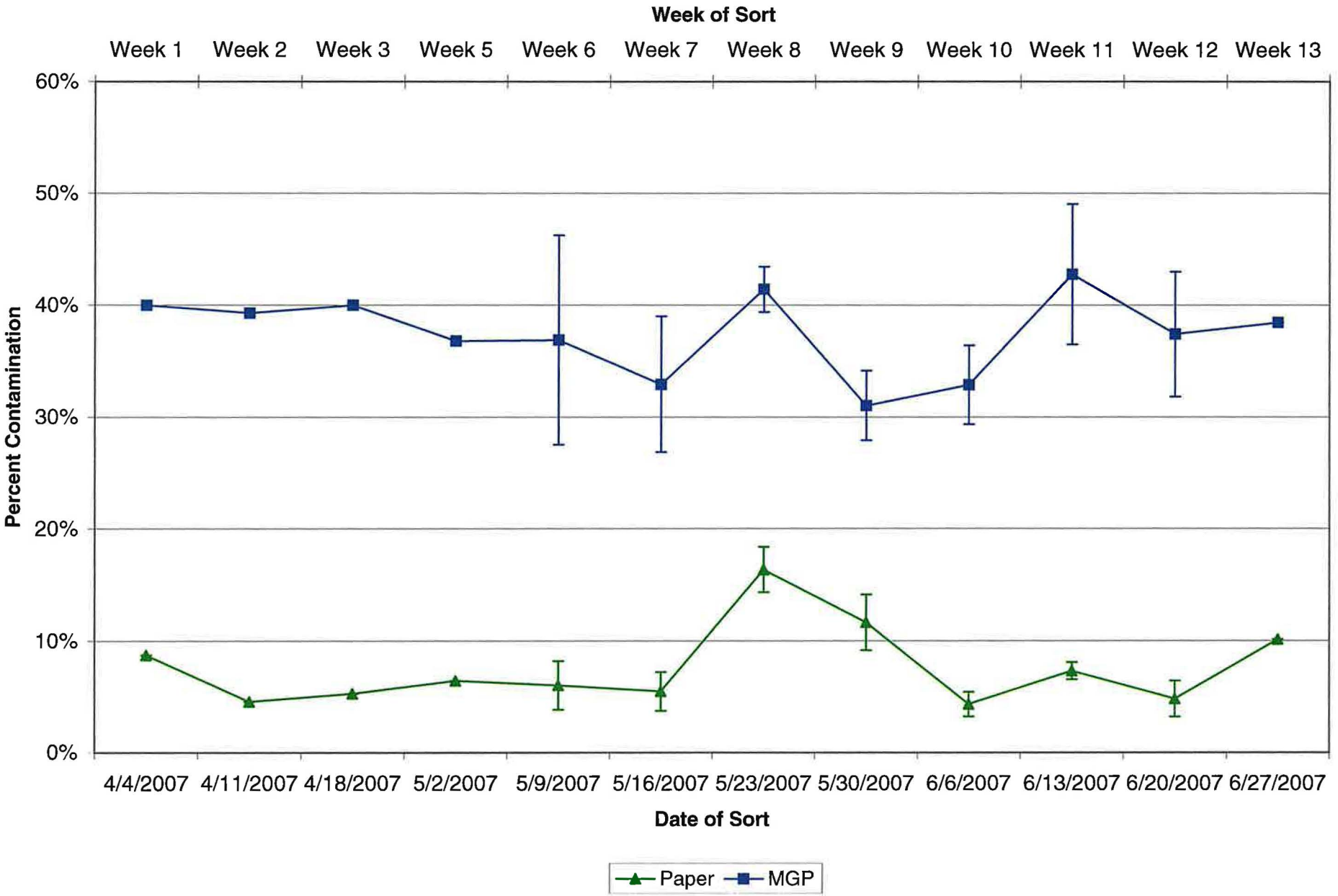
Weekly Observed Average Bag Weight Across All Park Interiors



Weekly Total Weight Across All Park Interiors



Weekly Estimated Percent Contamination Across All Park Interiors



Estimated Weekly Contaminant Weight Across All Park Interiors