

2011 Staten Island/Freshkills Parks Resident Survey: Data Report



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DATA COLLECTED SUMMER 2011
REPORT COMPLETED MAY 2012

Study Purpose and Objectives

This report summarizes the data collected through a survey administered to a sample of Staten Island (SI) residents during the summer of 2011. The primary purpose of the survey was to develop a better understanding of how Staten Island (SI) residents feel about the current public parks and outdoor recreation areas on SI; and explore opinions about the plans to transform the former Fresh Kills Landfill into a new urban park, Freshkills Park.

At 2,200 acres, the Freshkills site was one of the largest and most active landfills in the world. The site is now the focus of a 30-year phased-development project. When completed, the former landfill will include reclaimed wetlands, recreational facilities and landscaped public parkland; and will be the largest expansion of the NY City parks system in over 100 years.

Research conducted to date has provided only a general understanding of attitudes and concerns toward visiting and using FK. The research summarized in this report should provide important baseline data and serve as a foundation for documenting the degree to which behaviors and attitudes changed during the evolution of the FK site.

The specific study objectives, which correspond to the major sections used to structure the survey and this report, were as follows:

1. Experience and opinions about living on SI
2. Familiarity and satisfaction towards the current parks and outdoor recreation areas on SI
3. Experience with the Fresh Kills Landfill when it was in operation on SI from 1948 to 2001; and since the landfill was closed in 2001
4. Attitudes and intentions to visit/use Freshkills Park (FKP)
5. Experience and attitudes towards other parks on sites that were once active landfills/dumps

Methods

Approach Used:

A mail survey was selected as the best way to reach a randomly selected sample of people to represent a general population of urban households, given the type of information needed and the time and resources available. The survey (shown in Appendix A of this report) was developed by the research team with input from NYC Department of Parks & Recreation and collaborators at the College of Staten Island. The survey was designed as a 12-page booklet, structured based on the study objectives listed above.

Staten Island Parks



WHAT DO YOU THINK?

A community-wide survey on current and planned parks on Staten Island

This survey is part of a project to help NYC Parks & Recreation planners understand how you feel about the current public parks and outdoor recreation areas on Staten Island and the plans to transform the former Fresh Kills Landfill on Staten Island into Freshkills Park. Your participation in the survey is voluntary and you are free to skip any question that you do not care to answer. All your responses will be kept confidential – your name will not be associated with any results.

Please return the survey in the postage paid envelope when you are finished.

Thank you for your help!

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Sampling Plan:

The survey was administered to a sample of 3,300 Staten Island residents drawn from three geographic bands defined by the approximate geographic center of the Freshkills site:

1. Within 2 miles of FK
2. Between 2-4 miles from FK
3. Over 4 miles from FK

Residents of New Jersey or other New York boroughs (non SI-residents) were not included in the population or sample.



Exhibit 1. Sampling plan showing the three sampling bands

We undersampled those living furthest away from FK as the population size was large and oversampled those living closest as the population was smaller. We adjusted the “n” and percent in each band in the sample (Column B) to make sure we had a sufficient base and response in each. Based on past experience and discussions with colleagues, we assumed that those living closest to the FK site should be more likely to respond to the survey; those furthest away, the least likely to respond.

Exhibit 2. Sampling Plan Showing Anticipated Survey Response by Band

Band	Column A		Column B		Column C		
	Estimated Population (households) by Band		N in Sample by Band		Anticipated Survey Response by Band		
	Count	%	Count	%	Anticipated Response Rate	Count	%
1. Within 2 miles of FK	48,084	10.9	825	25.0	30%	248	30.9
2. Between 2-4 miles from FK	166,488	37.8	1,155	35.0	25%	289	36.1
3. Over 4 miles from FK	226,231	51.3	1,320	40.0	20%	264	33.0
Total	440,803	100.0	3,300	100.0		800	100.0

In the past, a representative sample could be achieved using a sampling frame drawn from listed “landline” telephone numbers. This type of sample was desirable because it included the name and address of the household; which allowed researchers to personalize mailings, and consequently achieve higher response rates. While landline-based sampling (LLBS) has long been the standard in survey research, the growth and popularity of cellphones and the emergence of “cellphone-only-households” (CPOs) (and number portability) have led to increasing concerns about the potential of sample coverage and data biases for mail surveys relying on LLBS¹. One approach for overcoming these biases is to sample based on addresses rather than telephone numbers.

Address-based sampling (ABS) is a relatively recent technique built on the availability of large-scale address databases (in particular, the USPS “Delivery Sequence File”). In ABS, a random sample is drawn first from residential addresses; these addresses can then be cross-listed with other databases (phone records, magazine subscription databases, etc.) to acquire residents’ names, typically resulting in a 75-85% name match rate.

¹ (Link, Battaglia, Frankel, Osborn, & Mokdad (2008). Comparison of address-based sampling (ABS) versus random-digit dialing for general population surveys. *Public Opinion Quarterly*, 72(1), 6-27.

While most of those with name matches will have landlines; the inclusion of those without name matches provides a means of including elusive CPO households in the final sample.

Using this Addressed-Based Sampling (ABS) approach, the sample obtained for the present study had an 89% name match rate. Match rates were highest in Band 1 (within 2 miles of FK) and lowest in Band 3 (4+ miles from FK).

Exhibit 3. ABS Name Match Rates by Band

Band	# Sent Out	# With Name Matches	# Without Name Matches	“Match” Rate
1. Within 2 miles of FK	825	760	65	92.1%
2. 2-4 miles from FK	1155	1054	101	91.3%
3. 4+ miles from FK	1320	1128	192	85.5%
Total	3300	2942	358	89.2%

Data Collection Procedures:

The project consisted of three mailings: 1st mailing of the survey and cover letter with a \$2 incentive, 2nd mailing of a follow-up reminder postcard (sent 2 weeks from the initial mailing), and a 3rd mailing with a 2nd copy of the survey and 2nd cover letter (sent approximately 4 weeks from the initial mailing). For those addresses with name matches, the cover letter and envelopes were addressed to “First-name Last-name or Current Resident at”; for those without name matches they were addressed to “Current Resident at”. The salutation used in all the cover letters was “Dear Staten Island Resident.”

Exhibit 4. Approach Used to Address Envelopes and Cover Letters for Addresses With and Without a Name Match

Address With a Name Match	Address Without a Name Match
John Smith or Current Resident at 123 Main St Staten Island, NY 10303	Current Resident at 456 Main St Staten Island, NY 10303

Final Response Rates:

The overall study response rate across the three mailings was 31.9%; with Sample Band response rates ranging from a low of 28% to a high of 34%.

Exhibit 5. Final Response Rates by Sample Band

Band	Original Sample	Bad Addresses	Net Sample	Refusals	Usable Surveys	Overall Response Rate
1. Within 2 miles of FK	825	8	817	8	272	34.3%
2. 2-4 miles from FK	1,155	17	1,138	5	386	34.4%
3. 4+ miles from FK	1,320	51	1,269	8	348	28.1%
Total	3,300	76	3,224	21	1,006	31.9%

Analyses were conducted to determine whether weights should be applied to the dataset. Specifically, the proportion of respondents from each sample band relative to the total number in the original sample was compared to the proportion of the population in each band relative to the total population on SI. The results indicated overrepresentation of those in Band 1 (< 2 from FK) and underrepresentation of those in Band 3 (4+ miles from FK). These over and under representations were slight and resulted in only minor variations between the unweighted and weighted findings; thus no adjustments were made. Nevertheless, the potential impact of these biases should be considered when interpreting the study results.

Demographic Profile:

Exhibits 2 to 9 describe the characteristics of the combined sample of respondents. Respondents were equally divided between males and females; most (53%) were between the ages of 45-64 years old, with just over one-fourth (26%) younger than 45, and another one-fourth 65 or older. Just over three-quarters of the respondents were White-Non-Hispanic (76.8%), followed by White-Hispanic (9.7%), Asian/Pacific Islander (5.5%) and Black-Non-Hispanic (4.9%). The majority (72%) had at least some college experience. Three-quarters of respondents were either employed full-time (43%) or retired (32%). Less than 7% identified themselves as either homemakers, part-time employees or self-employed. Few respondents were unemployed or students. The highest number of respondents (38%) reported a household income between \$50,000 and \$99,999, followed by those earning over \$100,000 (29%), those earning \$25,000 to \$49,999 and those earning less than \$25,000 (14%). The majority of households were comprised of four or less people, with the highest percentage of respondents (30%) living in households comprised of two people. The percentage of those living in households larger than four was significantly less. Two-thirds of respondent households reported having no children under the age of 18. The highest percentage of respondent households without children was households comprised of couples (28%). The percentages of households comprised of three or more adults without kids and households of singles without kids were fairly similar at approximately 18 to 20%. Of those households that included children, the highest percentage of respondents were households with three or more adults (23%). The percentage of households of couples with children was lower (9%), while only 2% of households with single adults had children.

Exhibit 6. Respondent gender

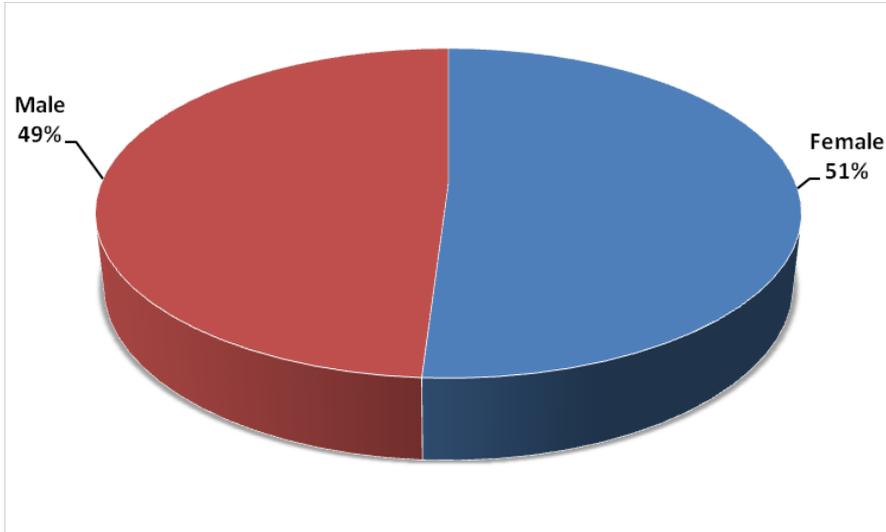


Exhibit 7. Respondent age

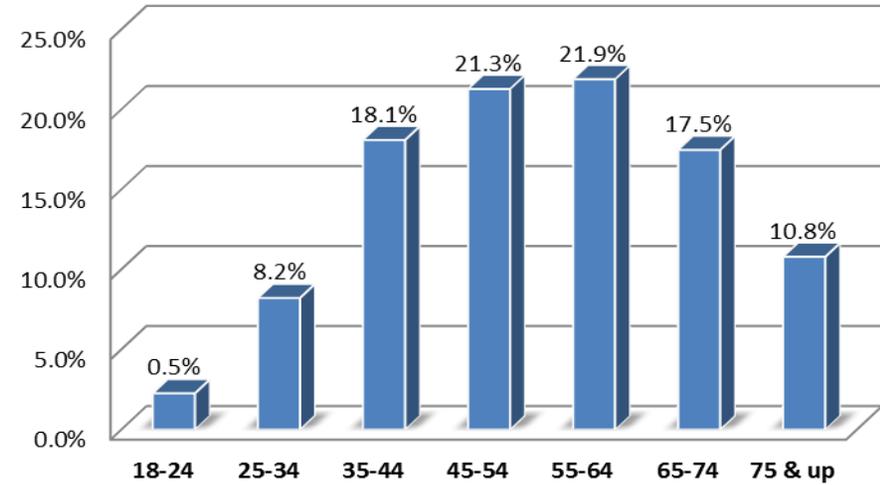


Exhibit 8. Respondent race/ethnicity

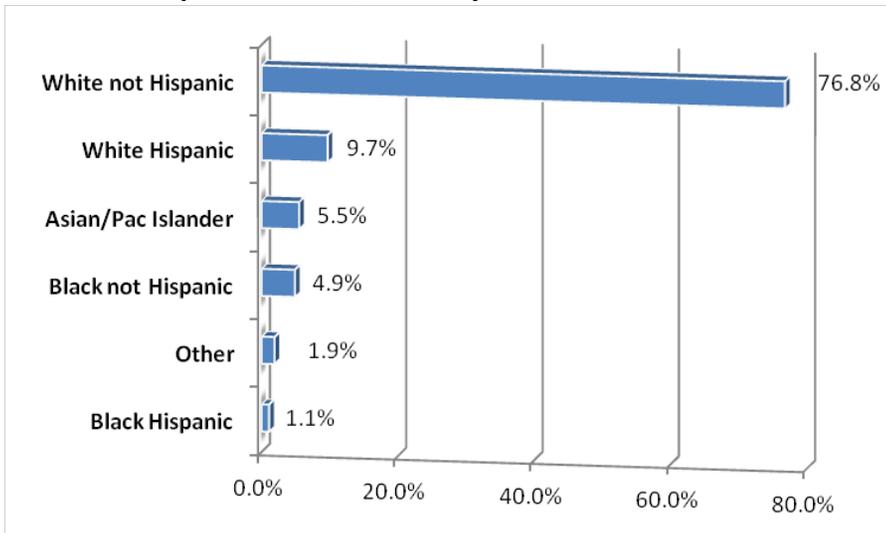


Exhibit 9. Respondent highest level of education

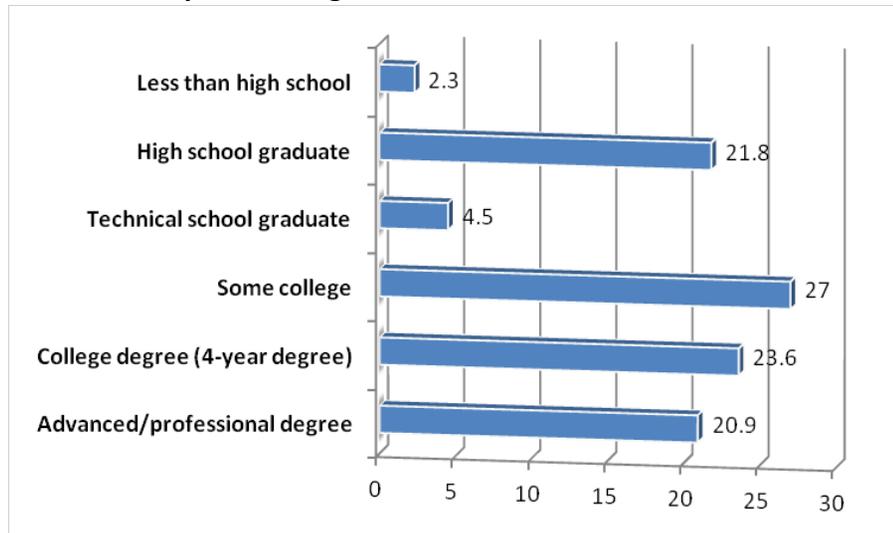


Exhibit 10. Respondent employment status

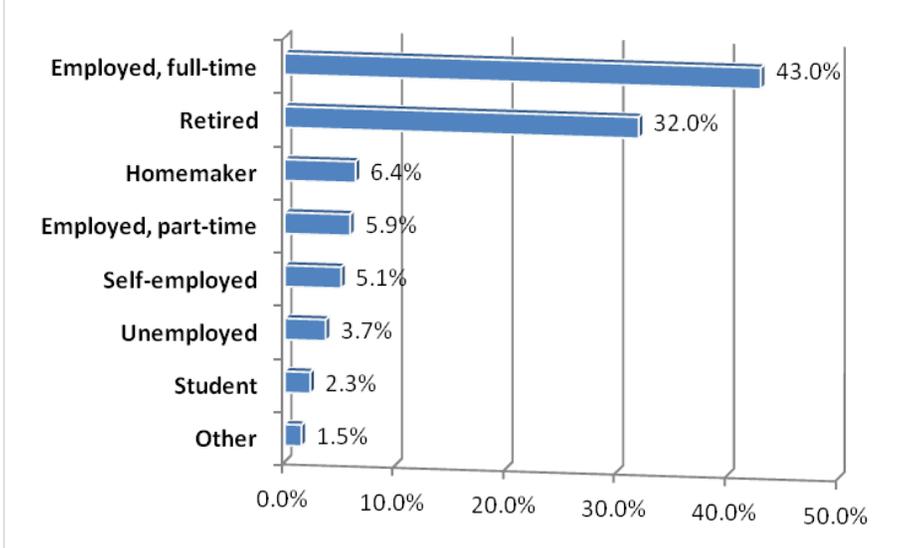


Exhibit 11. Respondent 2010 household income

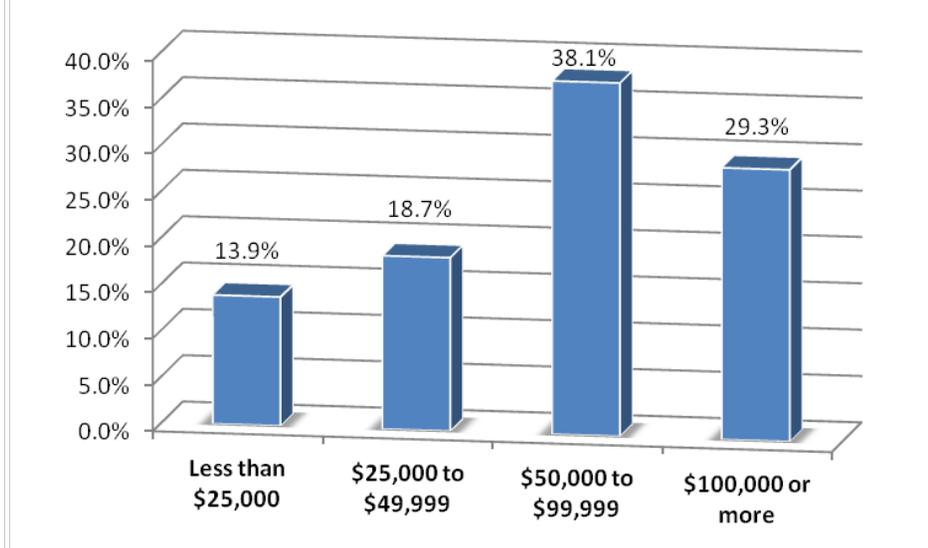


Exhibit 12. Respondent household size

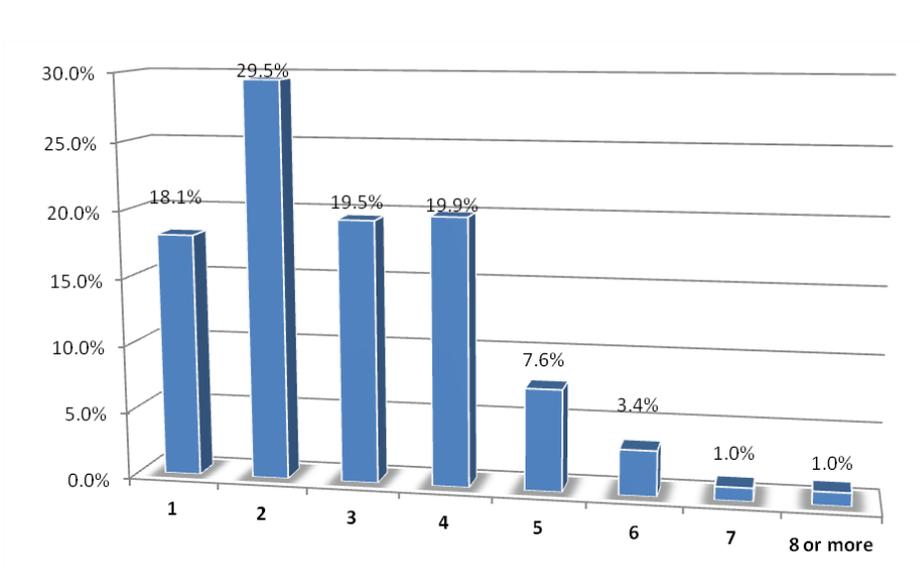
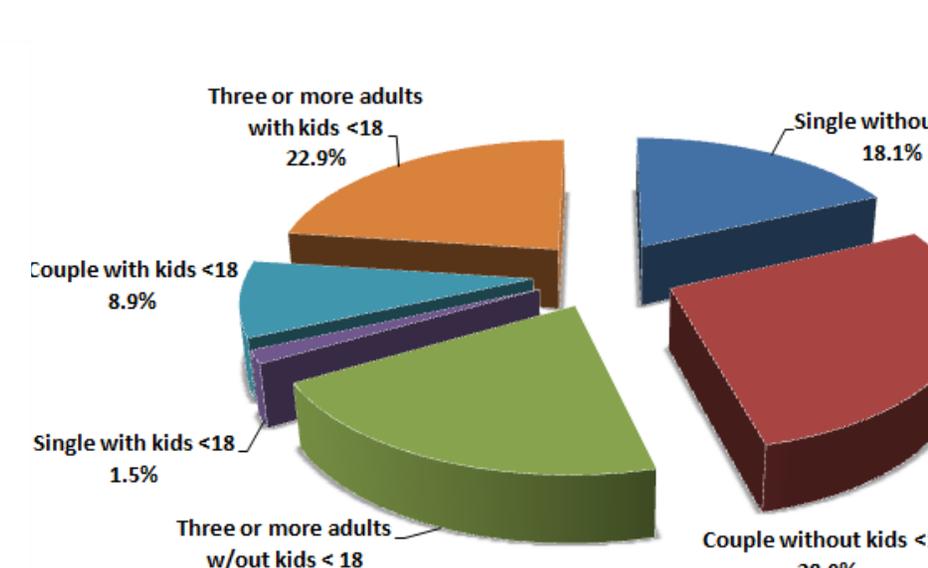


Exhibit 13. Respondent households with and without children <18



Survey Results

The survey results are organized in the following sections (note some results are based on the total or combined dataset only, while others also present results for the three sample band subgroups):

1. Experience and opinions about living on Staten Island:
 - a. Number of years as a resident of SI and current SI neighborhood
 - b. Satisfaction with quality of life as a resident of SI
 - c. The bond or level of attachment people have towards SI

2. Familiarity and satisfaction towards the current parks and outdoor recreation areas on SI:
 - a. Familiarity with the parks and outdoor recreation areas on SI
 - b. Overall satisfaction with the parks and outdoor recreation areas on SI
 - c. Satisfaction with the quality, quantity, variety, and ease of accessing the parks and outdoor recreation areas on SI
 - d. Past visitation to specific SI parks
 - e. Likelihood of recommending specific SI parks to others

3. Experience with the Fresh Kills Landfill (FKL) when it was in operation on SI from 1948 to 2001; and since the landfill was closed in 2001:
 - a. Lived on SI when the FKL was an active landfill and SI neighborhood lived in during that time
 - b. Familiarity with the site when it was an active landfill
 - c. Types of involvement with the site when it was an active landfill
 - d. Types of involvement with the site since the landfill was closed in 2001
 - e. Familiarity with the plans to develop Freshkills Park (prior to receiving the survey)
 - f. Level of support for the development of Freshkills Park (prior to receiving the survey)

4. Attitudes and intentions to visit/use Freshkills Park (FKP):
 - a. Level of support for the development of FKP (after receiving the survey)
 - b. Level of trust with the government agencies involved in the development of FKP
 - c. Likelihood of visiting FKP once it is open to the public
 - d. Reasons for visiting/not visiting FKP
 - e. Likelihood of recommending FKP once it is open to the public
 - f. Overall attitude towards visiting FKP once it is open to the public
 - g. Likelihood of using facilities and areas that are planned or might be offered at FKP
 - h. Interest in programs that might be offered at FKP
 - i. Mode of transport residents would use to get to FKP

- j. Sources of information residents would use to find out about FKP
 - k. Beliefs about becoming attached to FKP in the future (place identity and place dependence measures)
 - l. Beliefs about the impact of the development of FKP on SI residents and life on SI and beliefs about the safety and accessibility issues related to visiting FKP
 - m. Feelings about visiting FKP
5. Experience and attitudes towards other parks on sites that were once active landfills/dumps:
- a. Past visitation to parks on sites that were once active landfills/dumps
 - b. Level of support or opposition landfill-to-park development projects

Since this document is a data report, no discussion of or conclusions from the findings are made. The purpose is to summarize the data collected, with some segmentation analysis by geographic proximity to the site.

Section 1. Questions about respondents' experience and opinions about living on Staten Island.

Respondents tended to be long-time residents of SI, with the majority (62%) having lived on SI for over 20 years (Exhibit 14). Respondents hailed from 57 different SI neighborhoods, with the highest percentage (8%) currently residing in Annadale and the lowest percentage (0.1%) in the communities of Castleton, Charleston, Tompkinsville and Ward Hill (Exhibit 15).

Exhibit 14 (Q1-a). Number of years respondent has lived on Staten Island.
Responses to the question: "How many years have you lived on SI?"

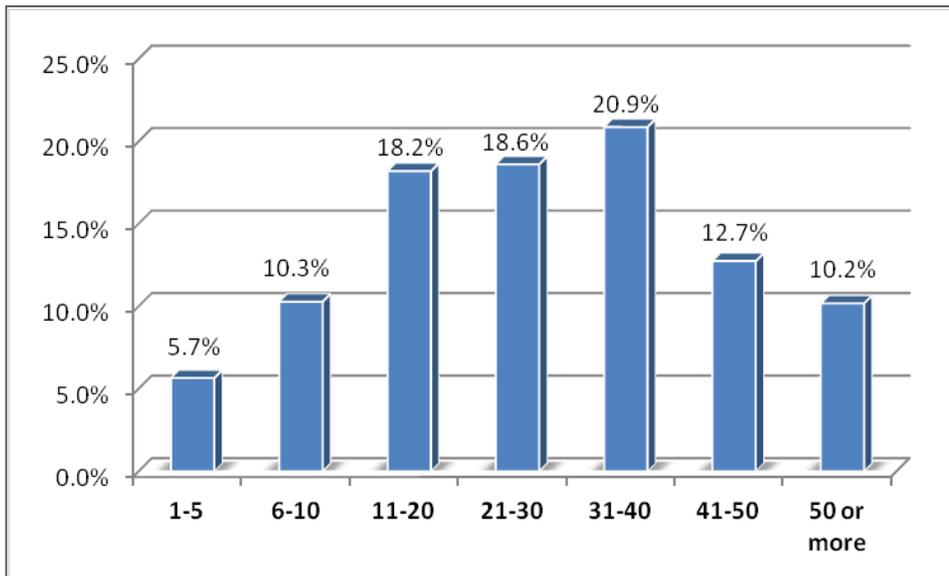


Exhibit 15 (Q1-a). Respondents' Current SI Neighborhood. Responses to the question: *“In what SI neighborhood do you currently live?”*

Neighborhood	Count	%	Neighborhood	Count	%
Annadale	75	8.1%	Grymes Hill	9	1.0%
Eltingville	67	7.2%	Stapleton	9	1.0%
Great Kills	63	6.8%	Sunnyside	9	1.0%
New Springville	46	5.0%	Pleasant Plains	8	0.9%
West New Brighton	45	4.9%	Todt Hill	8	0.9%
New Dorp	44	4.7%	Clifton	7	0.8%
Arden Heights	42	4.5%	Silver Lake	6	0.6%
Heartland Village	33	3.6%	Old Town	5	0.5%
Huguenot	33	3.6%	Concord	4	0.4%
Westerleigh	31	3.3%	Elm Park	4	0.4%
Travis	26	2.8%	Fort Wadsworth	4	0.4%
Willowbrook	26	2.8%	Greenridge	4	0.4%
Bulls Head	25	2.7%	Meiers Corners	4	0.4%
Dongan Hills	25	2.7%	Richmond Valley	4	0.4%
Mariners Harbor	22	2.4%	Arrochar	3	0.3%
Oakwood	22	2.4%	Emerson Hill	3	0.3%
Port Richmond	20	2.2%	Ocean Breeze	3	0.3%
Richmondtown	20	2.2%	Lighthouse Hill	2	0.2%
Rossville	18	1.9%	Midland Beach	2	0.2%
Tottenville	17	1.8%	New Brighton	2	0.2%
Graniteville	15	1.6%	Randall Manor	2	0.2%
Bay Terrace	14	1.5%	Richmond	2	0.2%
Grant City	13	1.4%	Woodrow	2	0.2%
Prince's Bay	12	1.3%	Castleton	1	0.1%
St. George	12	1.3%	Charleston	1	0.1%
Grasmere	11	1.2%	Tompkinsville	1	0.1%
Rosebank	11	1.2%	Ward Hill	1	0.1%
Manor Heights	10	1.1%	Total	927	100.0%
South Beach	10	1.1%			
Castleton Corners	9	1.0%			

Respondents were queried about their level of satisfaction with their quality of life as a SI resident (Exhibit 16) and their level of place identity with SI (Exhibit 17). Respondents were generally satisfied with their quality of life as a SI resident with 79% reporting they were satisfied, very satisfied, or extremely satisfied. Respondents also reported strong levels of attachment to and identity with SI. Two-thirds of respondents reported positive ratings for attachment to SI, and a slightly lower percentage reported positive ratings for the other place identity items.

Exhibit 16 (Q1-b). Satisfaction with quality of life as a resident of SI.

	0: Not at all satisfied	1: Somewhat satisfied	2: Satisfied	3: Very satisfied	4: Extremely satisfied	Top-2 Box Percent (Very/Extremely Satisfied)
Generally, how satisfied are you with the quality of your life as a resident of Staten Island?	3.0%	18.2%	40.2%	31.9%	6.7%	38.6%

Exhibit 17 (Q1-c). The bond (or level of attachment) people have towards SI. Responses to the following place identity measures:

	-2: Strongly Disagree	-1: Disagree	0: Neutral	+1: Agree	+2: Strongly Agree	Top-2 Box Percent (Agree/Strongly Agree)
I am very attached to Staten Island	4.9%	5.2%	23.6%	37.0%	29.4%	66.4%
I strongly identify w/ Staten Island	4.7	7.7	27.2	32.7	27.7	60.4
I feel like Staten Island is a part of me	5.9	6.8	37.0	28.7	21.6	50.3

Section 2. Questions about your views and use of the parks and outdoor recreation areas on Staten Island.

Next, respondents were asked a series of questions about their familiarity and satisfaction with SI parks and outdoor recreation areas (Exhibits 18 to 20). Overall, respondents reported that they were familiar with SI parks and recreation areas, as well as satisfied with them. When asked further questions about their satisfaction with specific aspects of SI parks and recreation areas, respondents were generally satisfied with the quality, quantity, variety and ease of accessing these recreational areas.

Exhibit 18 (Q2-a). Familiarity with the parks and outdoor recreation areas on SI.

	0: Not at all familiar	1: Somewhat familiar	2: Familiar	3: Very familiar	4: Extremely familiar	Top-2 Box Percent (Very/Extremely Familiar)
Overall, how familiar are you with the parks/outdoor recreation areas on Staten Island?	3.3%	28.1%	38.1%	24.0%	6.5%	30.5%

Exhibit 19 (Q2-b). Overall satisfaction with the parks and outdoor recreation areas on SI.

	0: Not at all satisfied	1: Somewhat satisfied	2: Satisfied	3: Very satisfied	4: Extremely satisfied	Top-2 Box Percent (Very/Extremely Satisfied)
Overall, how satisfied are you with the parks/outdoor recreation areas on Staten Island?	3.7%	26.5%	43.6%	23.2%	3.0%	26.2%

Exhibit 20 (Q2-c). Satisfaction with the parks and outdoor recreation areas on SI on key service measures.

How satisfied are you with each of the following:	0: Not at all satisfied	1: Somewhat satisfied	2: Satisfied	3: Very satisfied	4: Extremely satisfied	Top-2 Box Percent (Very/Extremely Satisfied)
The <u>quality</u> of the natural environment on SI	5.4%	31.0%	43.3%	17.3%	3.0%	20.3%
The <u>quality</u> of the parks/outdoor recreation areas on SI	3.6	28.4	45.2	19.8	3.1	22.9
The <u>quantity</u> of parks/outdoor recreation areas on SI	5.7	29.0	40.6	20.1	4.6	24.7
The <u>variety</u> of the parks/outdoor recreation areas on SI	7.6	30.4	39.7	18.0	4.3	22.3
The <u>ease of accessing</u> (i.e., by driving, walking, or taking a bus to) the parks/ outdoor recreation areas on SI	7.8	24.0	38.8	23.0	6.3	29.3

Data on awareness of and visits to a variety of SI parks and recreational areas was collected from respondents. Exhibits 21 to 23 summarize respondents' visitation history during the past five years. The South Beach and Boardwalk area was the most visited site over the past 12 months, with almost 65% of respondents indicating a recent visit and over 81% visiting within the past five years. The Midland Boardwalk and Beach area had a similar high pattern of both recent visitation within the past year (62%) and within the past five years (80%). Other popular venues include Clove Lakes Park in northern Staten Island (47% of respondents visiting during the past 12 months and 26% with the past 5 years), Great Kills Park (48% in the past 12 months, and 18% in the past 5 years), Wolfe's Pond Park (46% in the past 12 months, and 18% in the past 5 years), and Silver Lake Park (37% in the past 12 months, and 24% in the past 5 years). Clove Lakes Park (15%) and Silver Lake Park (15%) in northern Staten Island, and High Rock Park (15%) and Willowbrook Park (15%) in the Greenbelt area had the highest percentage that had last visited over five years ago. Venues that respondents had heard of but never visited included Clay Pit Pond and State Park Preserve (47%), Blue Heron Park Preserve (44%), LaTourette Park and Golf Course (35%), and Bloomingdale Park (34%). Respondents were also given the option of indicating that they had not heard of a park or that they had heard of it but had never visited. Venues that respondents had most often never heard of included Mariner's Marsh Park (53%), Ocean Breeze Park (36%) and Lemon Creek Park (36%).

Exhibit 21 (Q2-d). Past visitation to specific SI parks. Responses to the question: “When is the last time you visited this park?”

Park	Sample size (n)	X: Never heard of it	0: Heard of it, never visited	1: Visited past 12 months	2: Visited 1-5 years ago	3: Visited 5+ years ago
Clove Lakes Park (SI-North)	969	1.9%	10.1%	46.9%	25.9%	15.3%
Mariner's Marsh Park (SI-North)	950	53.1	32.4	5.5	5.1	4.0
Silver Lake Park (SI-North)	955	4.3	20.4	36.6	23.5	15.2
Sailors Snug Harbor (SI-North)	943	10.5	19.4	34.5	22.9	12.7
High Rock Park (SI-Greenbelt)	952	23.8	29.2	17.0	15.1	14.8
LaTourette Park & Golf Course (SI-Greenbelt)	951	9.7	34.7	27.4	15.0	13.1
Willowbrook Park (SI-Greenbelt)	952	5.9	25.8	32.7	20.8	14.8
Bloomington Park (SI-South)	954	25.2	34.0	25.1	11.3	4.5
Blue Heron Park Preserve (SI-South)	954	23.6	44.0	13.8	11.0	7.5
Clay Pit Pond & State Park Preserve (SI-South)	956	22.4	47.1	11.4	9.5	9.6
Conference House Park (SI-South)	948	18.0	25.7	24.2	19.0	13.1
Midland Boardwalk & Beach (SI-South)	963	3.3	9.1	61.7	18.2	7.7
Great Kills Park (SI-South)	954	6.4	17.4	48.1	17.5	10.6
Lemon Creek Park (SI-South)	945	35.9	33.2	15.4	9.3	6.1
Ocean Breeze Park (SI-South)	939	36.1	33.0	20.4	7.0	3.4
South Beach & Boardwalk (SI-South)	957	2.9	8.6	64.6	16.8	7.1
Wolfe's Pond Park (SI-South)	964	7.2	14.5	45.9	17.9	14.5

Exhibit 22 (Q2-d). Non-awareness and non-visitation to specific SI parks. Responses to the question: “When is the last time you visited this park?”

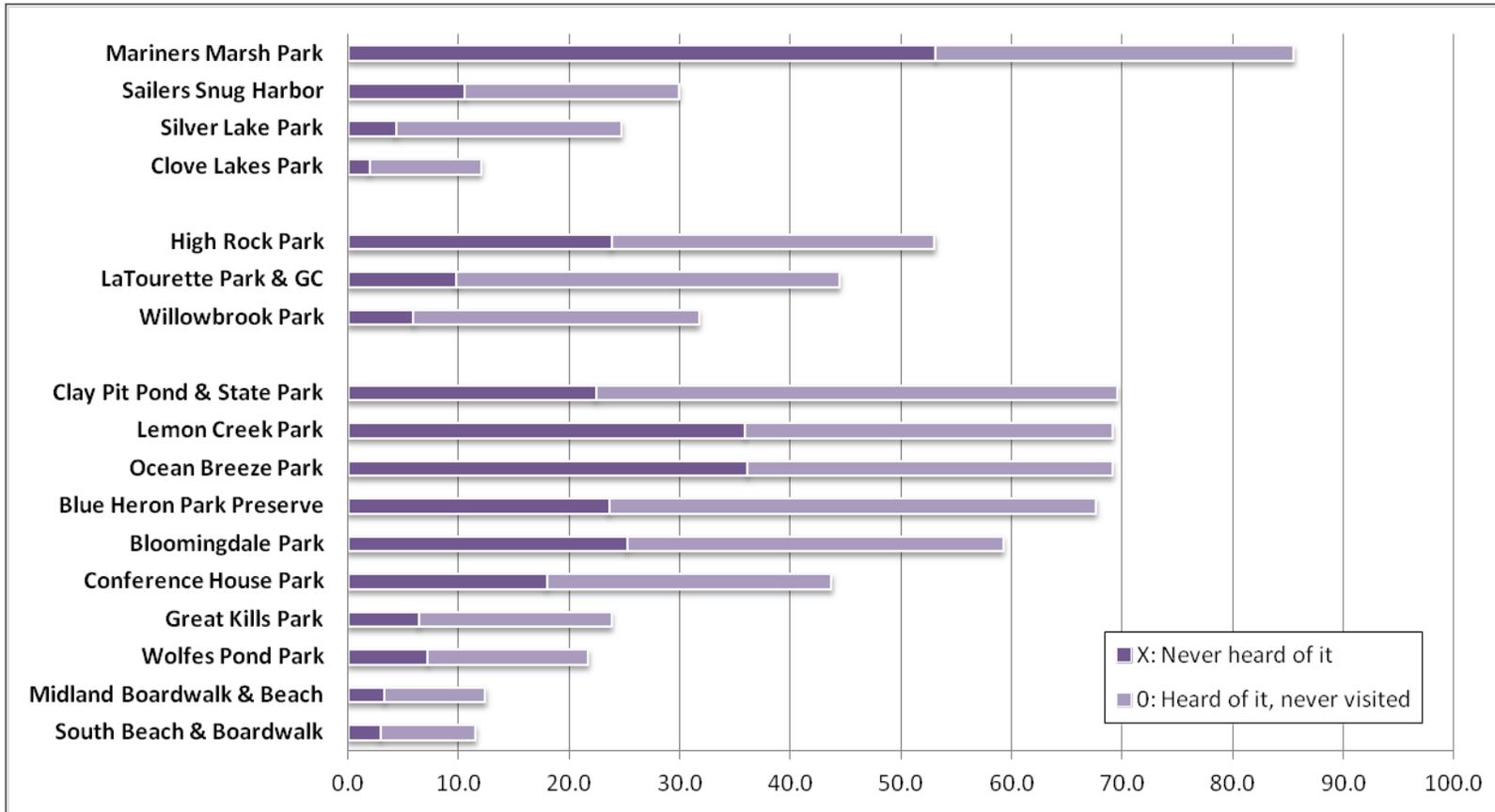
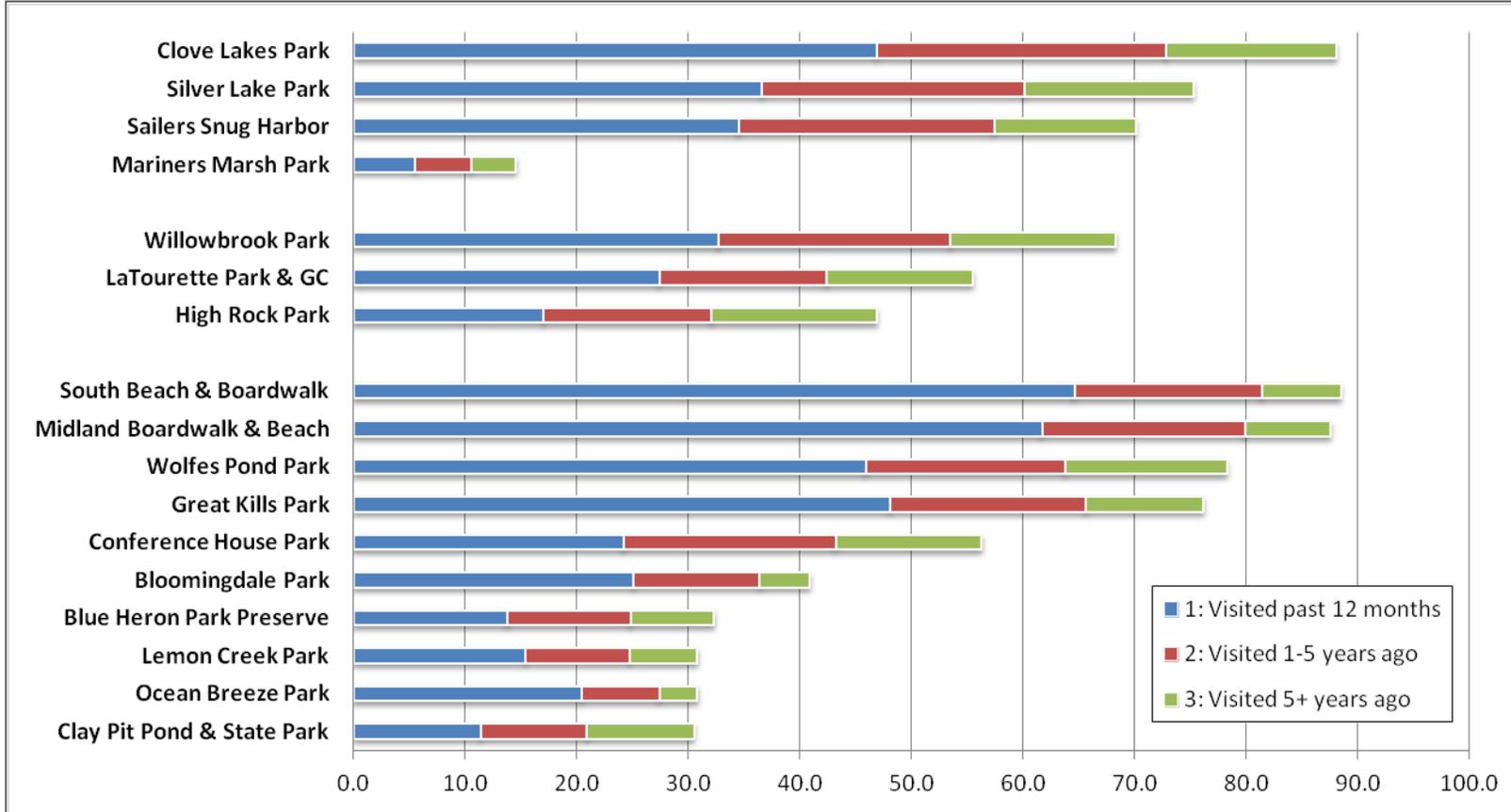


Exhibit 23 (Q2-d). Past visitation to specific SI parks. Responses to the question: “When is the last time you visited this park?”

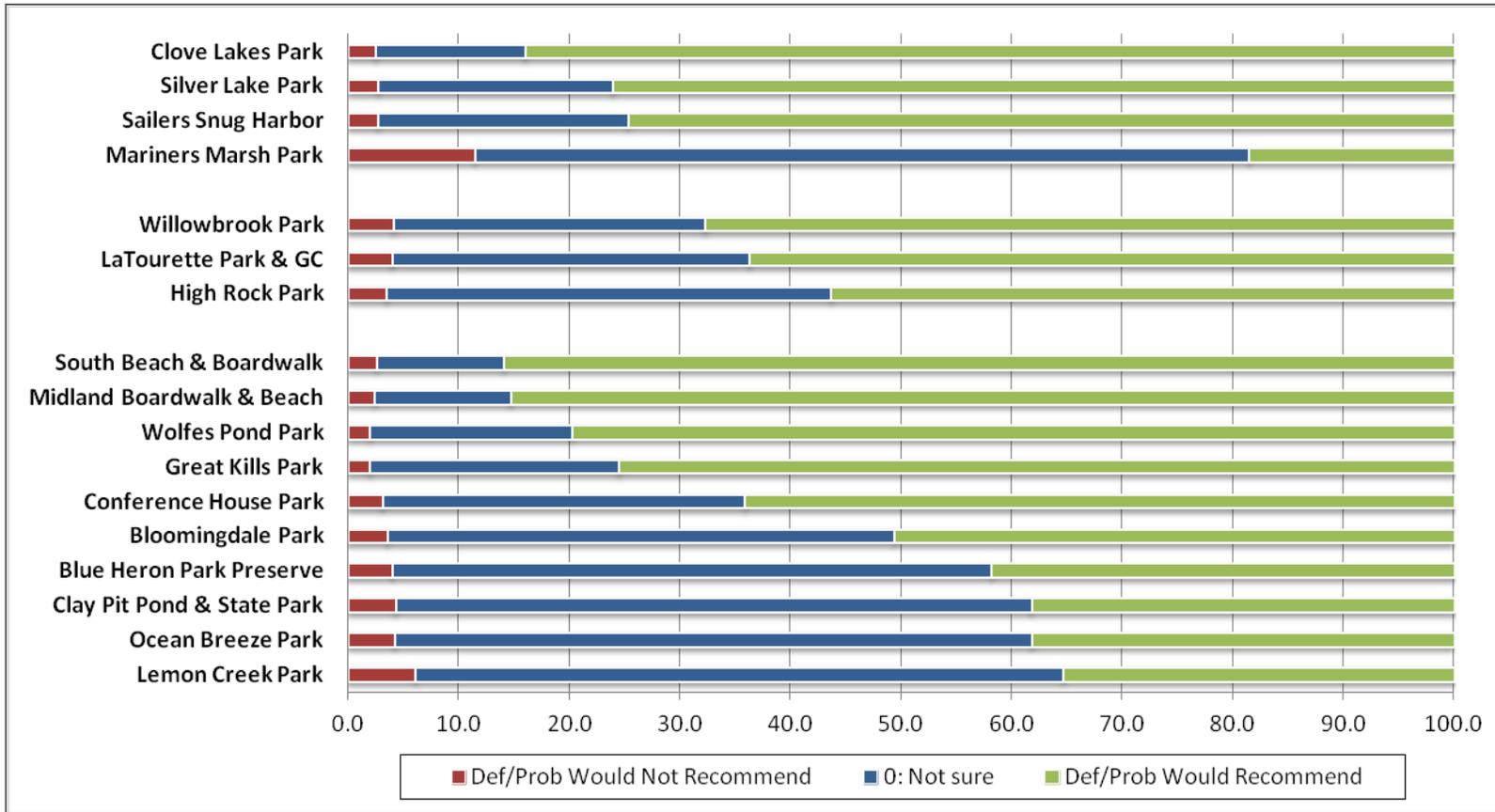


Next, respondents were asked how likely they would be to recommend each SI park or outdoor recreation area to their family/friends. Exhibits 24 and 25 show these recommendation ratings. The venues that respondents reported most often visiting in the past year coincided with venues respondents would definitely or probably recommend visiting. The South Beach and Boardwalk area had the highest percentage of respondents indicating they would definitely recommend it (53%), followed by the Midland Boardwalk and Beach area (50%), Clove Lakes Park (48%), and Wolfe’s Pond Park (47%). Conversely, venues that respondents indicated they definitely would not recommend coincided with venues they had never heard of such as Mariner’s Marsh Park, Ocean Breeze Park and Lemon Creek Park.

Exhibit 24 (Q2-e). Likelihood of recommending specific SI parks. Responses to the question: “How likely would you be to recommend this park to your family/friends?”

Park	Sample size (n)	-2: Definitely Would NOT Recommend Visiting	-1: Probably Would NOT Recommend Visiting	0: Not sure	+1: Probably Would Recommend Visiting	+2: Definitely Would Recommend Visiting
Clove Lakes Park (SI-North)	847	0.1%	2.4%	13.5%	36.5%	47.6%
Mariner's Marsh Park (SI-North)	654	4.0	7.5	70.0	11.2	7.3
Silver Lake Park (SI-North)	803	0.6	2.1	21.2	41.7	34.4
Sailors Snug Harbor (SI-North)	775	0.9	1.8	22.6	28.5	46.2
High Rock Park (SI-Greenbelt)	737	0.8	2.7	40.2	27.7	28.6
LaTourette Park & Golf Course (SI-Greenbelt)	765	0.5	3.5	32.3	35.2	28.5
Willowbrook Park (SI-Greenbelt)	774	0.6	3.5	28.2	39.7	28.0
Bloomington Park (SI-South)	746	1.2	2.4	45.8	25.2	25.3
Blue Heron Park Preserve (SI-South)	718	0.8	3.2	54.2	25.5	16.3
Clay Pit Pond & State Park Preserve (SI-South)	724	0.6	3.7	57.5	24.2	14.1
Conference House Park (SI-South)	777	0.8	2.3	32.8	30.0	34.1
Midland Boardwalk & Beach (SI-South)	837	0.1	2.3	12.3	35.4	49.9
Great Kills Park (SI-South)	804	0.6	1.4	22.5	33.6	41.9
Lemon Creek Park (SI-South)	707	1.3	4.8	58.6	24.0	11.3
Ocean Breeze Park (SI-South)	704	1.4	2.8	57.7	22.4	15.6
South Beach & Boardwalk (SI-South)	838	0.2	2.4	11.5	33.2	52.7
Wolfe's Pond Park (SI-South)	820	0.5	1.5	18.3	33.2	46.6

Exhibit 25 (Q2-e). Likelihood of recommending specific SI parks. Responses to the question: “How likely would you be to recommend this park to your family/friends?”



Section 3. Questions about your experiences with the Fresh Kills Landfill which was in operation on Staten Island from 1948 through 2001.

Respondents were asked a series of questions about their experiences with and memories of the Fresh Kills landfill to examine the influence that familiarity with the landfill had on attitudes towards and likelihood of visiting Freshkills Park.

Most respondents (85%) lived on SI when Fresh Kills was an active landfill (Exhibit 26). Compared to where they lived when it was a landfill (Exhibit 27), the three neighborhoods with the highest percent of respondents correspond to the same three neighborhoods in which respondents currently live (Exhibit 15), although the three aren't in the same order.

Respondents were generally familiar with the Fresh Kills site when it was an active landfill, with 71% of respondents indicating they were familiar to extremely familiar with the site (Exhibit 28). Degree of familiarity may have been influenced by the distance the respondent lived from the Fresh Kills site. For example, the highest levels of familiarity were expressed by those living within 2 miles of the Fresh Kills site; e.g., 51% of respondents in this distance band indicated they were very to extremely familiar with the site as compared to 42% of those indicating this level of familiarity living 2 to 4 miles from the site, and 35% living more than 4 miles away. Conversely, the greatest lack of familiarity was expressed by those living greater than 4 miles away; e.g., 15% of respondents in this distance band reported no familiarity with the Fresh Kills site, as opposed to 12% with a lack of familiarity living within 2 miles, and 9% of those living 2 to 4 miles away.

Respondents were then asked about the types of involvement they had while the site was an active landfill (Exhibit 29). A large percentage of respondents (85%) had memories of smelling odors from the landfill. Other types of involvement with high response rates included driving through/near Fresh Kills landfill (72%), and memories of seeing trash deposited or moved around the landfill (63%). Approximately one-quarter of respondents reported having personally dropped off trash at the landfill. Fewer respondents participated in meetings or events associated with the closure of the landfill (9%) or worked near FK when it was a landfill (9%). Only 2% of respondents reported having worked at Freshkills when it was an active landfill. Those living farthest from the site when it was an active landfill typically had the least involvement across the various activities.

As a further measure of familiarity with the Fresh Kills site, respondents were asked about involvement they have had with the Fresh Kills site since the landfill was closed in 2001 (Exhibit 30). By far, the most common form of involvement was reading or listening to news about the plans for the FK site. Over three-quarters of respondents had done this (78%). The percentage of respondent participation in other activities was much lower: 18% had visited the NYC Parks website to learn about plans for FK park, 6% had attended a public meeting related to the planning of FK park, 5% had talked to public officials about the FK park plans, 4% had participated in a group tour of the FK site, 3% had participated in a community event at the site, and 2% had provided comments to agencies about the park plans.

For some of the types of involvement with the FK site since the landfill closed, proximity of the respondent to the site may have influenced participation. For example, for three of the top four activities described above, rates of involvement declined as distance from the site increased; e.g., 7% of respondents who lived within 2 miles of the site had attended a public meeting related to the planning for the FK site, versus 6% for those living 2-4 miles from the site, and 5% of those living more than 4 miles away. However, for some of the other types of involvement, distance from the site had an opposite affect; e.g., 3% of respondents living more than 4 miles or 2 to 4 miles from the site had participated in a community event at the site versus 2% of those living within 2 miles of the site.

Respondents were asked to specify their level of familiarity with the plans to develop the site into FKP prior to receiving this survey (Exhibit 31). Over half of the respondents (56%) indicated they had either little or no familiarity of the plans to develop FKP. Those respondents who were very familiar with the plans tended to live closer to the site, with 16% of respondents living within 2 miles of the site indicating they were very or extremely familiar with the plans, followed by 13% of those living 2-4 miles from the site, and 12% living more than 4 miles away.

Next respondents were asked to rate their pre-survey level of support for the development of Freshkills Park (Exhibit 32). Overall, those in support of the park development (57%) greatly exceeded those in opposition (9%). However, one-third of respondents (34%) were uncertain about their views on the development of the park. The percentage of respondents in support of the park increased as proximity to the park increased, with 63% of those living within 2 miles of the site supporting the development, as opposed to 58% of those living 2 to 4 miles from the site, and 51% of those living more than 4 miles away.

Exhibit 26 (Q3-a). Lived on Staten Island when Fresh Kills was an active landfill. Responses to the question: *“Did you live on Staten Island when the Fresh Kills site was still an active landfill (i.e., any time between 1948 and 2001)?”*

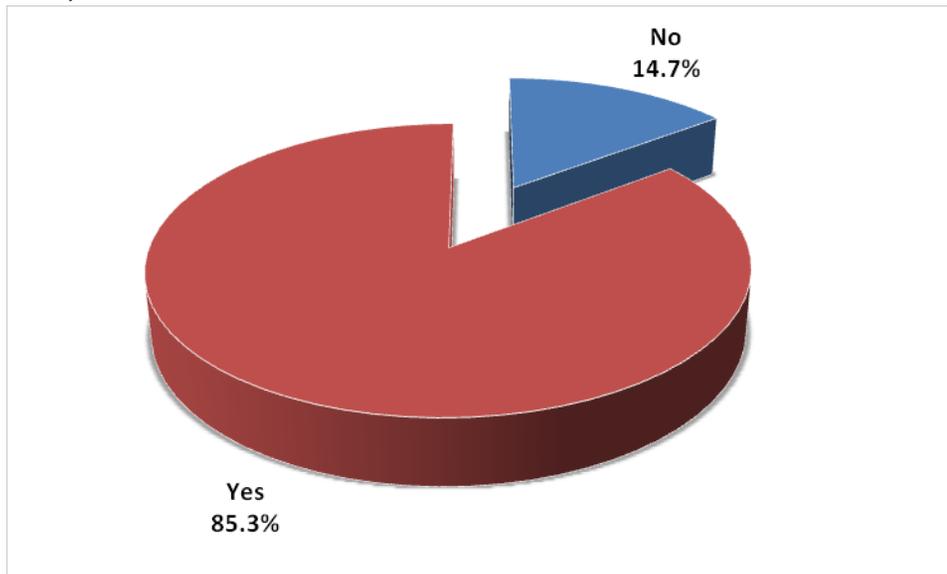


Exhibit 27 (Q3-a). SI Neighborhood Respondent Lived in when Fresh Kills Landfill was active. Responses to the question: “If yes, in what Staten Island neighborhood did you live when the landfill was still active? (LIST THE NEIGHBORHOOD YOU LIVED IN THE LONGEST).”

Neighborhood	Count	%	Neighborhood	Count	%
Great Kills	67	8.1%	Stapleton	7	0.8%
Eltingville	64	7.7%	Clifton	6	0.7%
Annadale	63	7.6%	Todt Hill	6	0.7%
New Dorp	47	5.7%	Castleton Corners	5	0.6%
West New Brighton	43	5.2%	Concord	5	0.6%
New Springville	42	5.1%	Greenridge	5	0.6%
Arden Heights	33	4.0%	Silver Lake	5	0.6%
Huguenot	30	3.6%	Tottenville	5	0.6%
Willowbrook	30	3.6%	Fort Wadsworth	4	0.5%
Bulls Head	27	3.3%	Grymes Hill	4	0.5%
Dongan Hills	26	3.1%	St. George	4	0.5%
Westerleigh	25	3.0%	Elm Park	3	0.4%
Mariners Harbor	21	2.5%	Midland Beach	3	0.4%
Travis	20	2.4%	Old Town	3	0.4%
Port Richmond	19	2.3%	Tompkinsville	3	0.4%
Graniteville	17	2.0%	Arrochar	2	0.2%
Heartland Village	17	2.0%	Ocean Breeze	2	0.2%
Oakwood	17	2.0%	Richmond Valley	2	0.2%
Richmondtown	16	1.9%	Castleton	1	0.1%
Bay Terrace	15	1.8%	Egbertville	1	0.1%
Rossville	14	1.7%	Emerson Hill	1	0.1%
South Beach	14	1.7%	Lighthouse Hill	1	0.1%
Grant City	12	1.4%	Meiers Corners	1	0.1%
Pleasant Plains	12	1.4%	Woodrow	1	0.1%
Rosebank	11	1.3%	Total	830	100.0%
Grasmere	10	1.2%			
Prince's Bay	10	1.2%			
Sunnyside	10	1.2%			
Manor Heights	9	1.1%			
New Brighton	9	1.1%			

Exhibit 28 (Q3-b). Familiarity with the Fresh Kills site when the landfill was active. Responses to the question: “How familiar would you say you were with the Fresh Kills site when it was an active landfill?”

	Within 2 miles of FK	2-4 miles from FK	4+ miles from FK	Total
0: Not at all familiar	11.8%	8.6%	14.8%	11.7%
1: Somewhat familiar	16.0	17.3	19.6	17.8
2: Familiar	21.0	32.4	30.3	28.6
3: Very familiar	30.2	23.2	22.6	24.9
4: Extremely familiar	21.0	18.4	12.8	17.1
	100.0	100.0	100.0	100.0

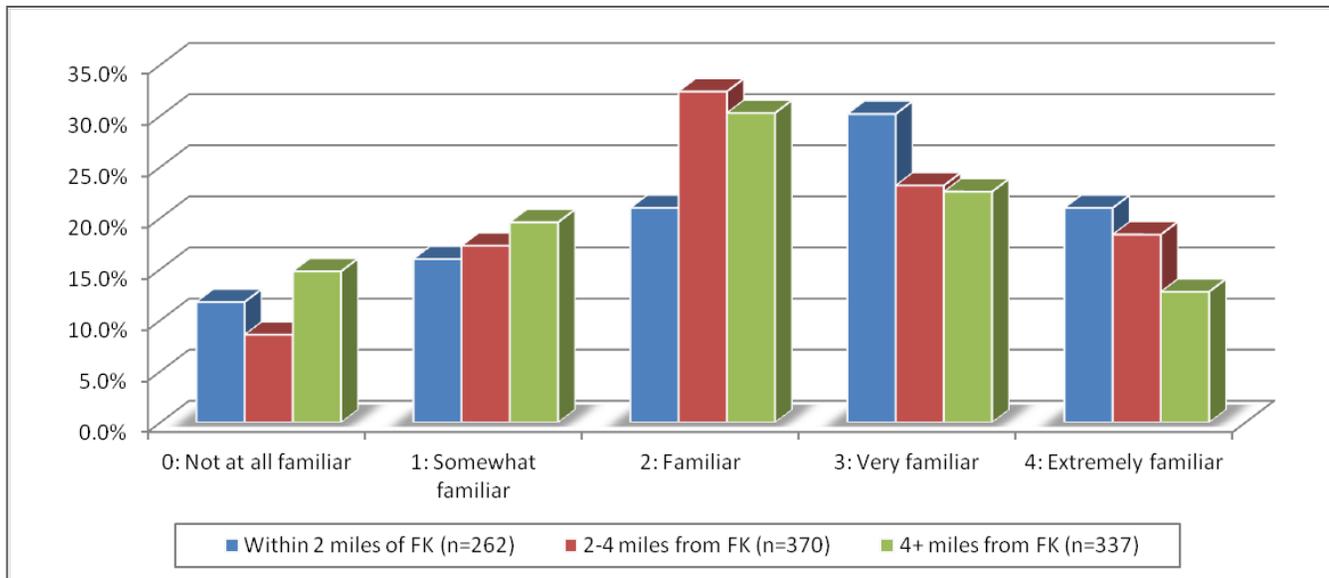


Exhibit 29 (Q3-c). Types of involvement with the site when it was an active landfill. Responses to the question: “Which of the following types of involvement did you have with the Fresh Kills site when it was an active landfill? (“X” ALL THAT APPLY).”

	Within 2 miles of FK	2-4 miles from FK	4+ miles from FK	Total
Worked at FK when active landfill	1.1%	2.9%	1.8%	2.1%
Worked near FK when active landfill	8.3%	10.2%	7.1%	8.7%
Drove through/near FK when active landfill	70.9%	74.8%	69.1%	71.8%
Dropped off trash at FK when active landfill	25.3%	24.1%	22.9%	24.1%
Saw trash deposited/moved around when active landfill	67.9%	65.1%	55.9%	62.7%
Remember smelling odors coming from the landfill	85.7%	87.7%	80.0%	84.5%
Participated in meetings/events to close the landfill	9.8%	10.8%	6.5%	9.0%

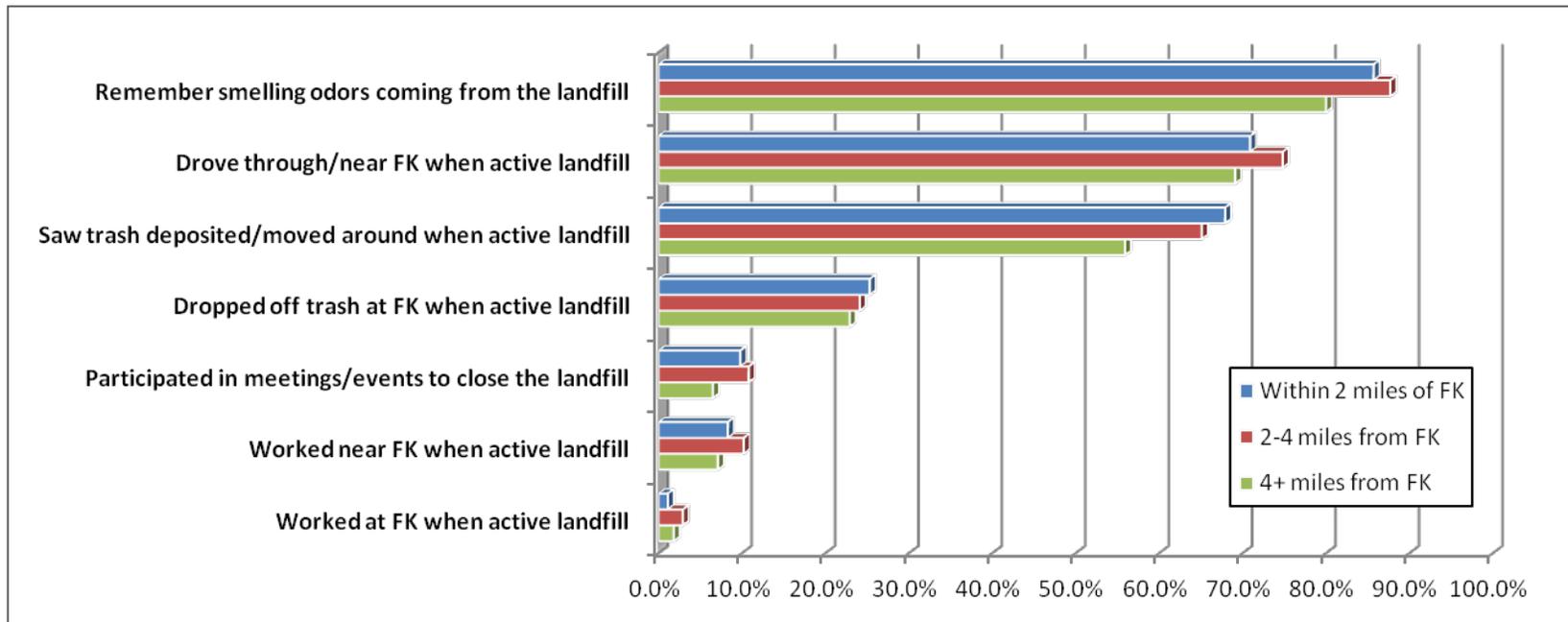


Exhibit 30 (Q3-d). Involvement with the FK site since the landfill was closed. Responses to the question: “Which of the following types of involvement have you had with the Fresh Kills site since the landfill was closed in 2001? (“X” ALL THAT APPLY).”

	Within 2 miles of FK	2-4 miles from FK	4+ miles from FK	Total
Read/listened to news about the plans for FK site	76.3%	78.6%	77.6%	77.7%
Talked public officials about the plans for FK site	6.4%	5.3%	4.8%	5.4%
Provided comments to agencies about plans for FK site	2.3%	3.2%	1.2%	2.2%
Attended a public meeting related to planning for FK site	7.1%	5.8%	4.5%	5.7%
Participated in group tour of the FK site	2.3%	5.5%	3.6%	4.0%
Participated in community event at the FK site	2.3%	2.6%	3.0%	2.7%
Visited NYC Parks website describing the plans for FK Park	19.9%	17.2%	17.0%	17.9%

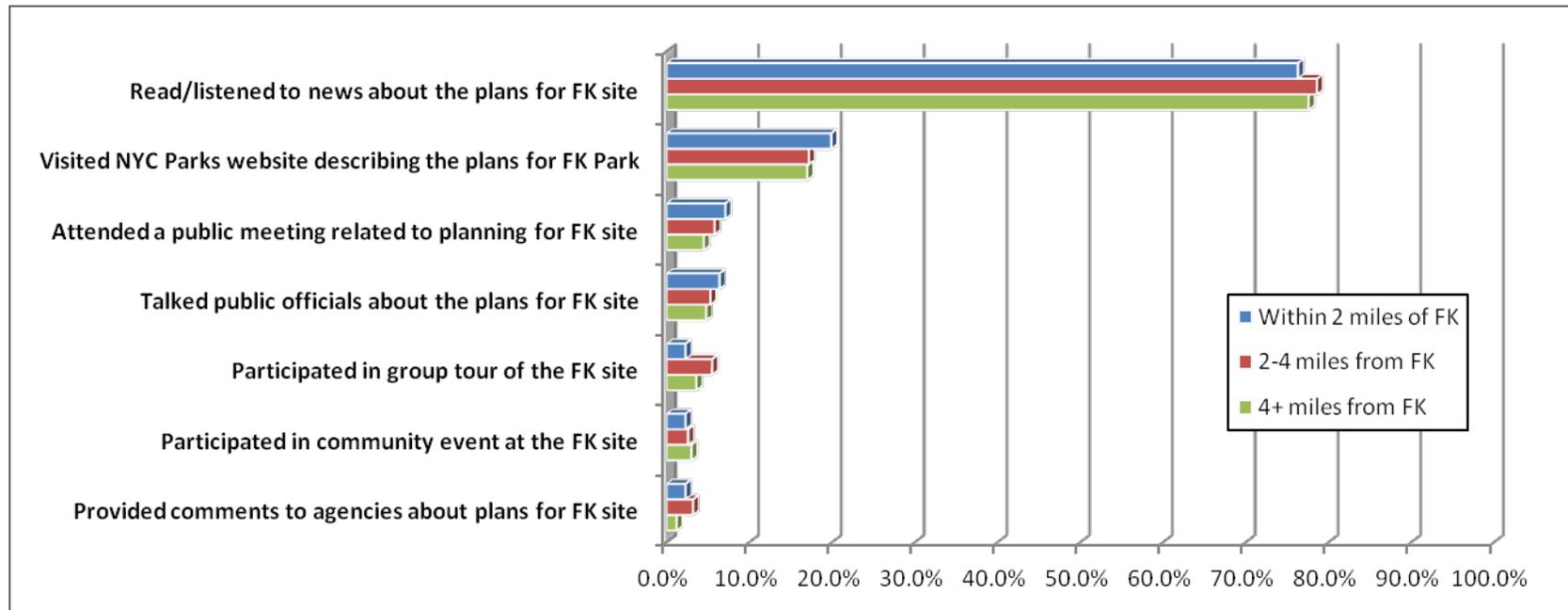


Exhibit 31 (Q3-e). Pre-survey familiarity with the plans to develop Freshkills Park. Responses to the question: *“Prior to receiving this survey, how familiar were you with the plans for developing Freshkills Park?”*

	Within 2 miles of FK	2-4 miles from FK	4+ miles from FK	Total
0: Not at all familiar	16.2%	17.4%	22.2%	18.8%
1: Somewhat familiar	38.0	37.8	36.0	37.2
2: Familiar	29.9	31.5	29.8	30.5
3: Very familiar	11.8	11.7	9.9	11.1
4: Extremely familiar	4.1	1.6	2.0	2.4
	100.0	100.0	100.0	100.0

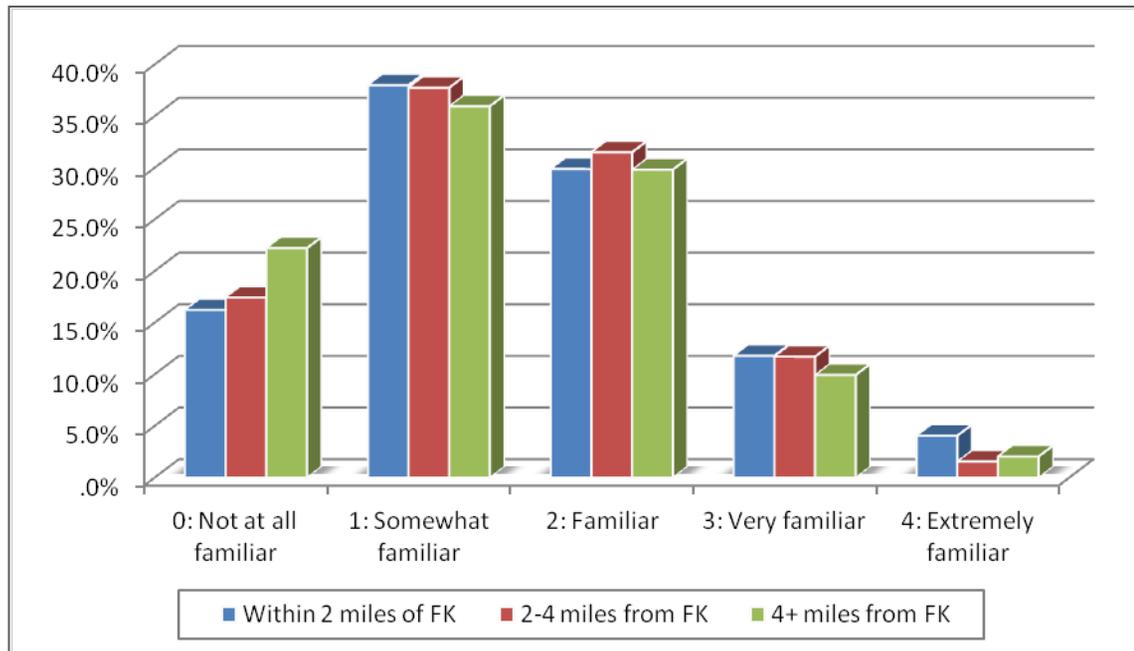
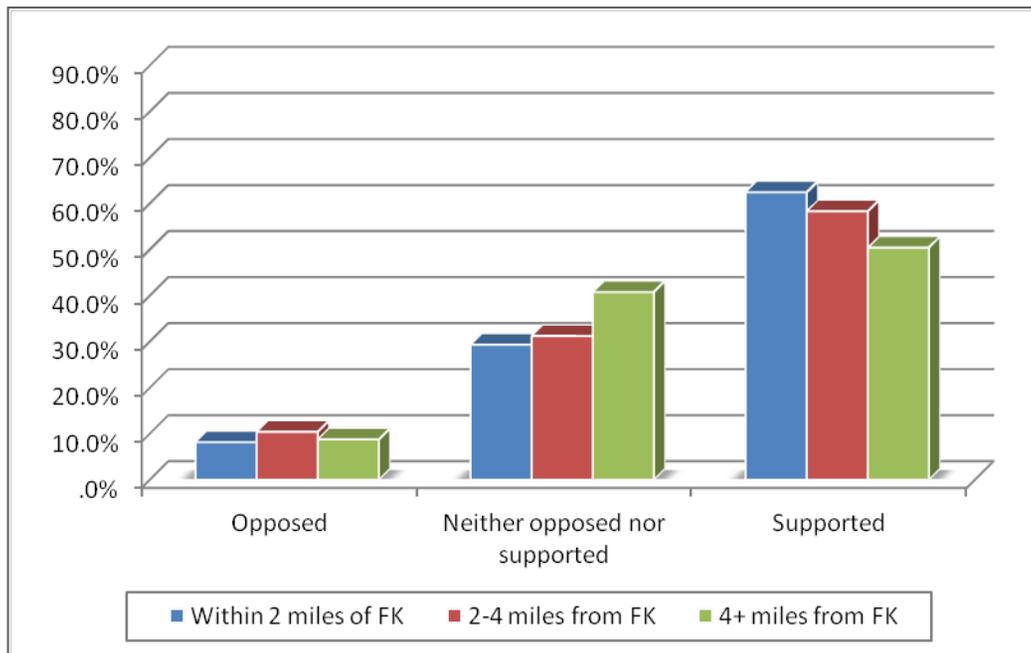


Exhibit 32 (Q3-f). Pre-survey level of support for the development of Freshkills Park. Responses to the question: “Prior to receiving this survey, to what extent did you support or oppose the development of Freshkills Park?”

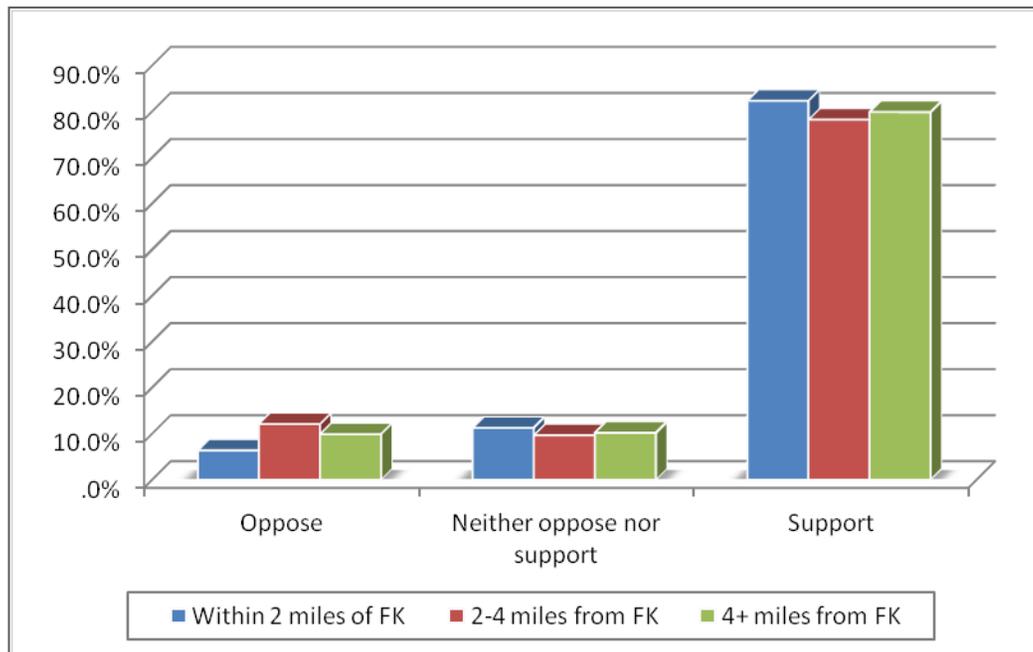
	Within 2 miles of FK	2-4 miles from FK	4+ miles from FK	Total
-2: Strongly opposed	3.3%	5.2%	3.6%	4.2%
-1: Somewhat opposed	4.8	5.2	5.0	5.0
0: Neither opposed nor supported	29.4	31.3	40.8	34.0
+1: Moderately supported	29.4	30.2	27.6	29.1
+2: Strongly supported	33.1	28.1	22.9	27.7
	100.0	100.0	100.0	100.0



To test the influence that receiving this survey had on attitudes towards Freshkills Park, respondents were asked to rate their “post-survey” support for the plans to develop the park (Exhibit 33). Compared to their level of pre-survey support, the percentage of respondents supporting the park rose significantly. Following the survey, 80% of respondents indicated supporting the development of the park, compared to 57% supporting the development pre-survey. The percentage of respondents opposing the park rose slightly as well, however, with 10% in opposition after reading this survey versus 9% pre-survey. The survey served to influence those who had previously identified themselves as neutral or uncertain about the park development. In terms of how the survey influenced support across the distance bands, the greatest increase in percentage of respondents supporting the park post-survey was from those who lived farthest from the site. Respondents in the two closer distance bands to the site reported 20% points increases in post-survey support for the development of the park, while the percentage of respondents offering support in the 4+ mile band jumped by almost 30% points (51% to 80% support).

Exhibit 33 (Q4-a). Post-survey level of support for the development of Freshkills Park. Responses to the question: “Now that you have read the materials provided, to what extent do you support or oppose the plans for developing Freshkills Park?”

	Within 2 miles of FK	2-4 miles from FK	4+ miles from FK	Total
-2: Strongly oppose	2.6%	5.9%	4.8%	4.6%
-1: Somewhat oppose	3.8	6.2	5.1	5.1
0: Neither oppose nor support	11.3	9.7	10.2	10.3
+1: Moderately support	30.8	28.8	32.7	30.7
+2: Strongly support	51.5	49.5	47.1	49.2
	100.0	100.0	100.0	100.0



We hypothesized that respondent trust of government agencies would have an influence over the likelihood of visitation and attitudes towards the park. To that end, respondents were asked a series of questions about their degree of trust of different government institutions and government actions regarding Freshkills Park (Exhibit 34). Respondents were more likely to trust Staten Island government officials over either NYC or New York state government agencies about decisions and actions to develop FKP. Fifty-three percent of respondents trusted SI government agencies to make proper decision about the development of FKP, while only 38% trusted NYC government agencies, and 35% state government agencies. Respondents were also asked about their level of trust regarding different activities that government agencies will take in developing FKP. Respondents reported similar levels of trust, around 40%, for communication, development and operational activities of FKP.

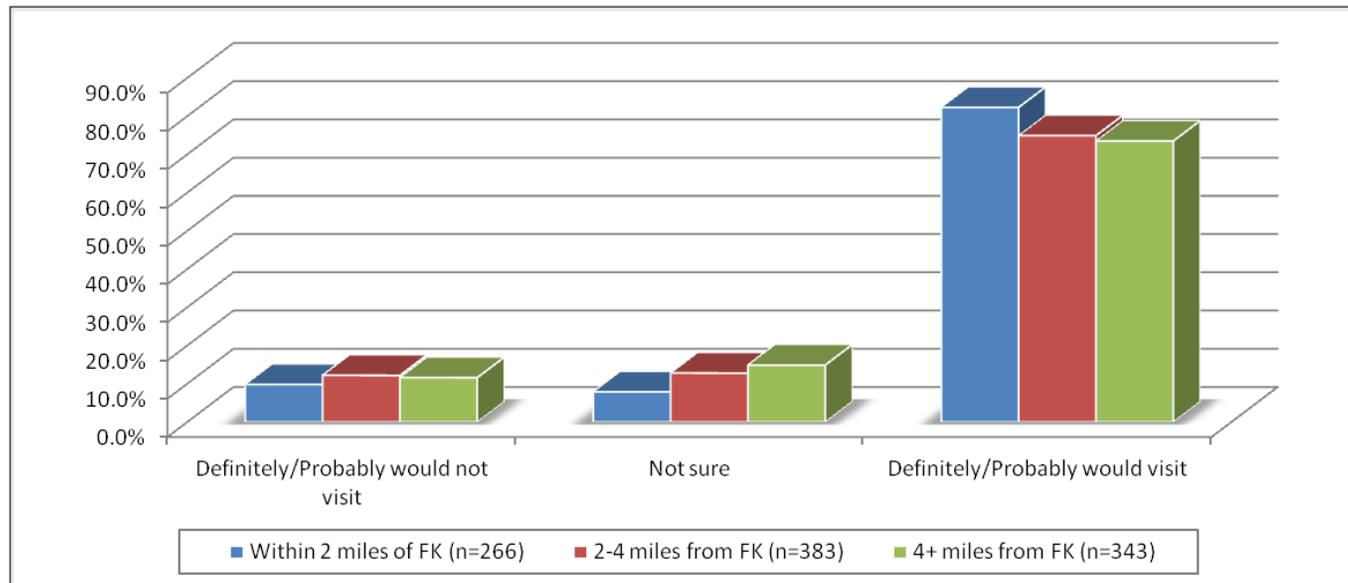
Exhibit 34 (Q4-b). Trust of government agencies involved in planning/developing and managing Freshkills Park. Responses to the question: *“Indicate your level of agreement with the statements below about the government agencies involved in the planning and development of Freshkills Park.”*

	-2: Strongly Disagree	-1: Disagree	0: Neutral	+1: Agree	+2: Strongly Agree	Top-2 Box Percent (Agree/Strongly Agree)
I trust <u>local SI govt agencies</u> to make proper decisions about the development of FKP	9.8%	9.8%	27.9%	30.4%	22.1%	52.5%
I trust <u>NYC govt agencies</u> to make proper decisions about the development of FKP	13.8	16.3	32.3	25.1	12.6	37.7
I trust <u>NYS govt agencies</u> to make proper decisions about the development of FKP	13.9	17.7	33.2	23.3	11.9	35.2
I trust the govt agencies involved to do a good job <u>communicating with the public</u> about the development of FKP	10.6	14.6	32.4	28.4	14.0	42.4
I trust the govt agencies involved to do a good job <u>managing the development</u> of FKP	12.2	14.1	32.8	27.0	13.9	40.9
I trust the govt agencies involved to do a good job <u>operating</u> FKP once it is open to the public	10.1	11.7	32.8	29.8	15.6	45.4

Likelihood of visitation to FKP was high (Exhibit 35). Over 76% of respondents indicated that they would be likely to visit FKP, while 11% were unlikely to visit and 12% were undecided. Likelihood of visitation was high across all distance bands, although there was a slight decline associated with greater distances; e.g., 82% of those living within 2 miles expressed a high likelihood of visitation, followed by 75% of those living 2 to 4 miles away, and 74% of those living more than 4 miles away. Negative views on visitation did not follow the same pattern with distance from the site. The highest percentage of respondents indicating there were unlikely to visit was from those living 2 to 4 miles from the site (12%), followed by 12% of those living more than 4 miles from the site, and 10% of those living within two miles.

Exhibit 35 (Q4-c). Likelihood of visiting Freshkills Park. Responses to the question: “How likely would you be to visit Freshkills Park once it is open to the public?”

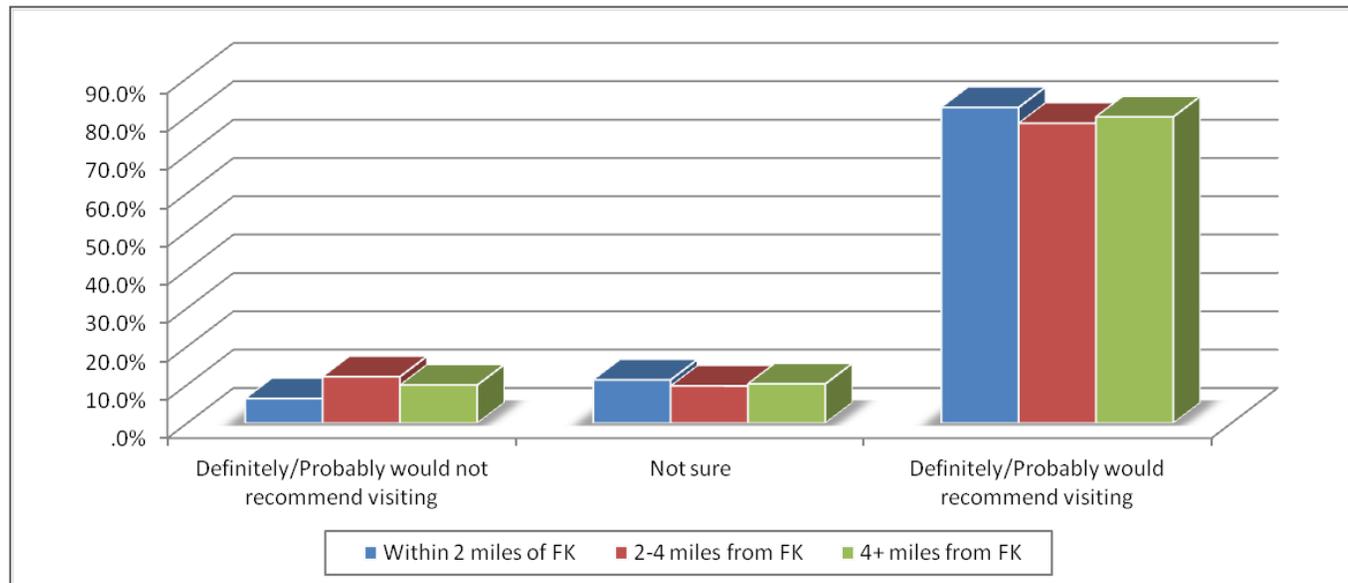
	Within 2 miles of FK	2-4 miles from FK	4+ miles from FK	Total
-2: Definitely would not visit	3.0%	6.5%	6.1%	5.4%
-1: Probably would not visit	6.8	5.7	5.5	5.9
0: Not sure	7.9	12.8	14.9	12.2
+1: Probably would visit	30.8	27.4	35.0	30.9
+2: Definitely would visit	51.5	47.5	38.5	45.5
	100.0	100.0	100.0	100.0



To test the influence of experience and image held, respondents were asked whether they would recommend Freshkills Park (in the context of a friend who recently moved to the area) (Exhibit 36). Responses to this question largely mirrored that of the visitation question. Likelihood of recommendation was high, with 80% of respondents indicating they would recommend visiting FKP. This high likelihood of recommendation was invariant to the distance the respondent lived from the FK site. Negative views on recommendation were highest among those living 2 to 4 miles from the site (12%), followed by those living more than 4 miles away (10%), and 6% of those living within 2 miles.

Exhibit 36 (Q4-e). Likelihood of recommending Freshkills Park. Responses to the question: “How likely would you be to recommend that your family or friends should visit Freshkills Park once it is open to the public?”

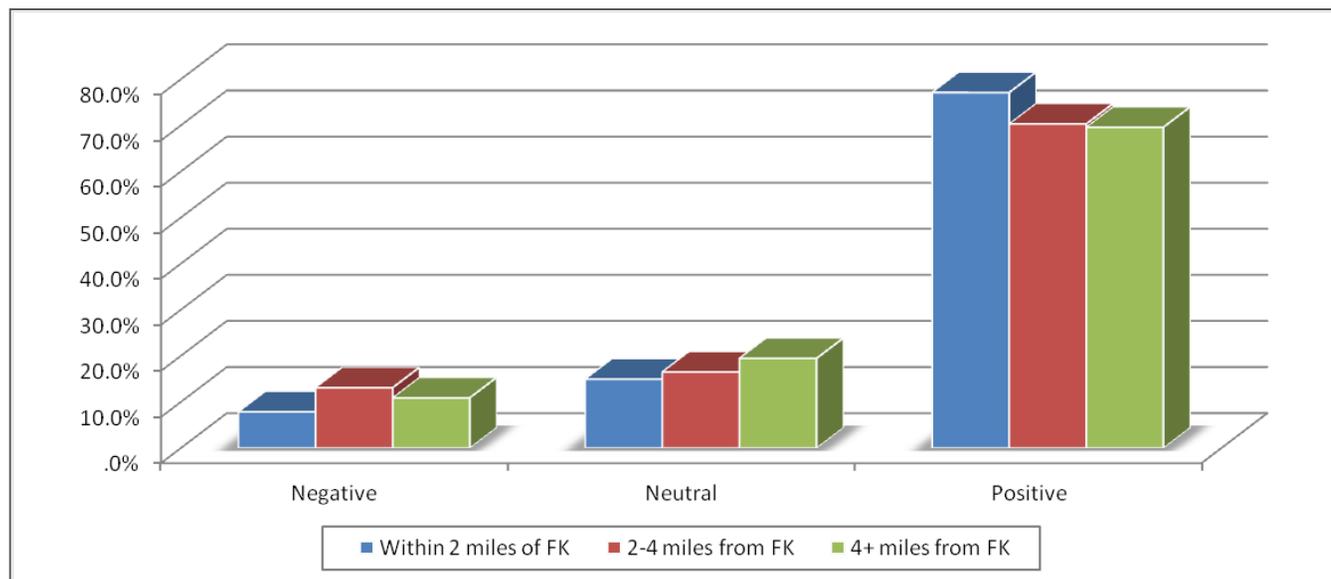
	Within 2 miles of FK	2-4 miles from FK	4+ miles from FK	Total
-2: Definitely would not recommend visiting	2.6%	5.9%	4.8%	4.6%
-1: Probably would not recommend visiting	3.8%	6.2%	5.1%	5.1%
0: Not sure	11.3%	9.7%	10.2%	10.3%
+1: Probably would recommend visiting	30.8%	28.8%	32.7%	30.7%
+2: Definitely would recommend visiting	51.5%	49.5%	47.1%	49.2%
	100.0	100.0	100.0	100.0



Finally, respondents were asked about their overall attitudes towards visiting Freshkills Park (Exhibit 37). Responses largely mirrored the previous questions about likelihood of visitation and recommendation. Overall attitudes towards FKP were positive, with 72% holding positive attitudes, 11% with negative attitudes and 17% undecided. Distance from Freshkills Park had some relation to overall attitudes, with the percentage of respondents with positive attitudes declining slightly with distance from the site (77% of those within 2 miles had positive attitudes, followed by 70% of those residing between 2 and 4 miles from the site, and 70% of those greater than 4 miles from the site). Negative attitudes also varied by distance from the FK site, but were not linearly associated with increasing distance from FKP. The highest percentage of those with negative attitudes were those living two to four miles from the site (13%), followed by 11% of those living more than 4 miles away and 8% of those living within two miles.

Exhibit 37 (Q4-f). Overall attitude towards visiting Freshkills Park. Responses to the question: “How would you describe your overall attitude towards visiting Freshkills Park once it is open to the public?”

	Within 2 miles of FK	2-4 miles from FK	4+ miles from FK	Total
-2: Extremely negative	4.9%	7.9%	7.4%	6.9%
-1	3.0	5.2	3.5	4.1
0: Neutral	15.0	16.5	19.5	17.1
1	31.5	27.6	33.0	30.5
+2: Extremely positive	45.7	42.8	36.6	41.4
	100.0	100.0	100.0	100.0

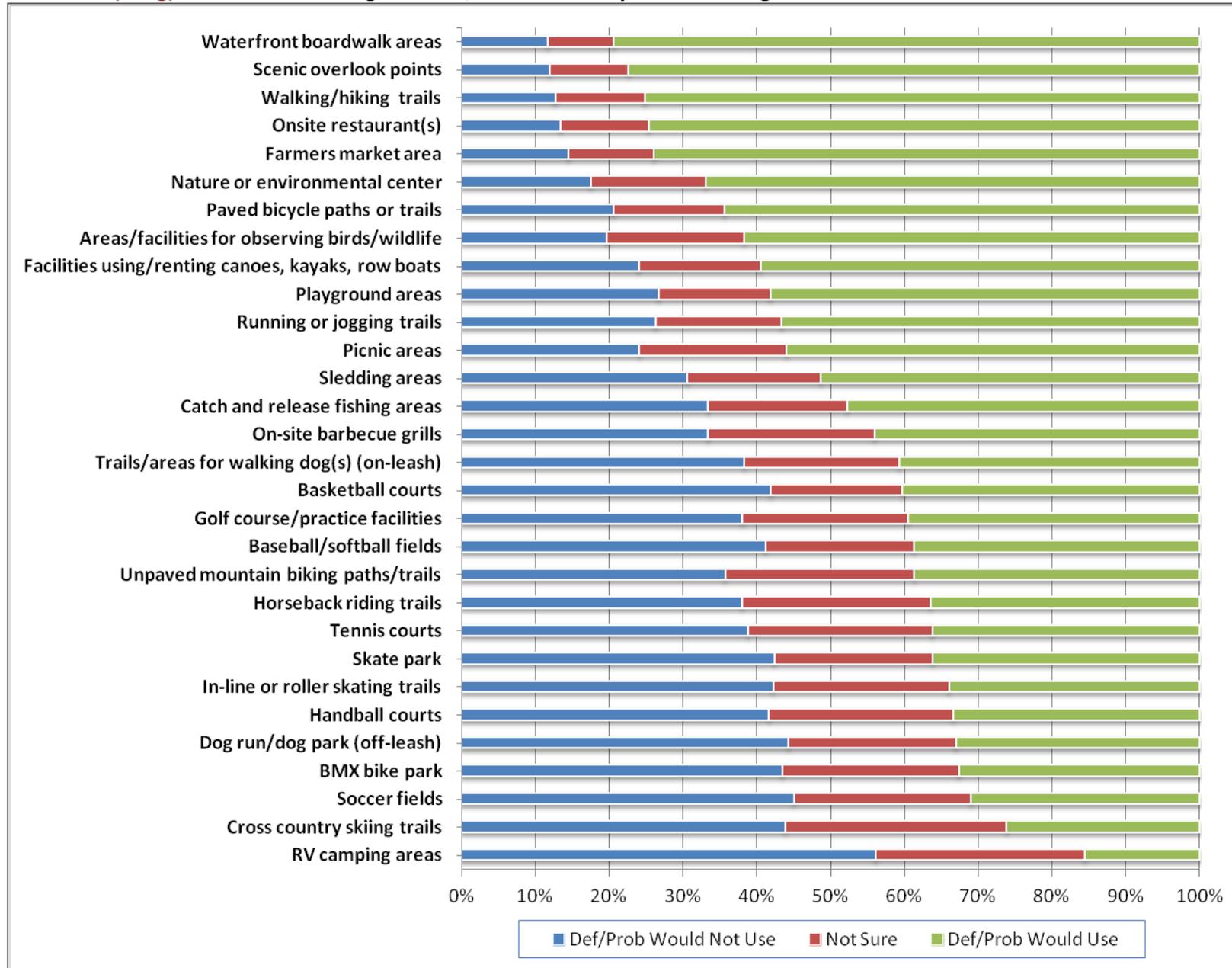


To gain a sense of what recreational activities and facilities visitors to FKP would be most interested in using, respondents were asked to rate the likelihood that they or a member of their household would use 30 types of facilities and areas that are planned for or that might be offered at FKP (Exhibits 38 and 39). The highest-rated areas or facilities tended to be those that were nature-based and non-team related recreational pursuits. The facility that respondents were most likely to use was waterfront boardwalk areas (79%), followed by four other activities/facilities with likely use in the 70% range: scenic overlook points (77%), walking/hiking trails (75%), on-site restaurants (75%), and farmer's market areas (74%). Over 60% of respondents indicated they would use the following facilities: nature or environmental centers (67%), paved bike paths (64%), facilities for observing birds or wildlife (62%), and facilities use or rent canoes, kayaks or rowboats (60%). Facilities that were geared towards more group or team-related sports had slightly lower likelihood of use ratings: basketball courts (40%), golf course (40%), and baseball/softball courts (39%). Facilities/areas that respondents were least likely to use included: soccer fields (31%), cross-country ski trails (26%), and RV camping areas (16%).

Exhibit 38 (Q4-g). Likelihood of using facilities/areas that are planned or might be offered at Freshkills Park. Responses to the question: “The following is a list of facilities and areas that are planned or that might be offered at Freshkills Park. Please indicate how likely you or the members of your household would be to use each facility/area if it was available at Freshkills Park.”

Facility/Area	-2: Definitely Would Not Use	-1: Probably Would Not Use	0: Not sure	+1: Probably Would Use	+2: Definitely Would Use	Top-2 Box Percent (Prob or Def Would Use)
Baseball/softball fields	18.5%	22.7%	20.1%	22.2%	16.5%	38.7%
Basketball courts	19.6	22.4	17.8	24.6	15.7	40.3
Tennis courts	16.9	22.0	24.9	21.5	14.6	36.1
Soccer fields	20.8	24.2	24.0	18.3	12.6	30.9
Golf course/practice facilities	16.7	21.4	22.4	23.3	16.2	39.5
Handball courts	18.1	23.6	25.0	22.8	10.5	33.3
Skate park	20.8	21.6	21.5	21.5	14.7	36.2
BMX bike park	22.2	21.3	24.0	19.1	13.5	32.6
Paved bicycle paths or trails	11.0	9.6	15.1	32.2	32.1	64.3
Unpaved mountain biking paths/trails	17.8	17.9	25.6	20.1	18.6	38.7
Horseback riding trails	19.3	18.8	25.5	20.8	15.7	36.5
In-line or roller skating trails	21.3	21.0	23.8	20.6	13.3	33.9
Running or jogging trails	13.3	13.1	17.1	31.8	24.7	56.5
Cross country skiing trails	22.0	22.0	29.9	16.6	9.6	26.2
Walking/hiking trails	7.1	5.6	12.2	34.2	40.9	75.1
Waterfront boardwalk areas	6.6	5.1	8.9	31.0	48.4	79.4
Trails/areas for walking dog(s) (on-leash)	22.5	15.9	21.0	19.9	20.8	40.7
Dog run/dog park (off-leash)	26.3	18.1	22.6	16.3	16.7	33.0
Facilities using/renting canoes, kayaks, row boats	11.4	12.6	16.5	29.3	30.2	59.5
Catch and release fishing areas	17.1	16.3	18.8	25.2	22.5	47.8
Playground areas	14.1	12.7	15.1	26.0	32.1	58.1
Sledding areas	16.1	14.5	18.1	25.8	25.5	51.3
On-site barbecue grills	16.7	16.7	22.6	22.8	21.2	44.0
Picnic areas	12.2	12.0	19.9	26.2	29.7	55.9
RV camping areas	33.1	23.1	28.4	9.0	6.5	15.5
Scenic overlook points	7.4	4.6	10.7	29.9	47.4	77.3
Areas/facilities for observing birds/wildlife	10.1	9.6	18.6	28.2	33.5	61.7
Nature or environmental center	9.1	8.5	15.5	31.8	35.1	66.9
Farmers market area	8.9	5.6	11.6	32.8	41.1	73.9
Onsite restaurant(s)	9.0	4.5	11.9	32.4	42.2	74.6

Exhibit 39 (Q4-g). Likelihood of using facilities/areas that are planned or might be offered at Freshkills Park.



Respondents were given the opportunity to list other features or options that they would like to see available at FKP. As shown in Exhibit 40, the most frequently mentioned included a concert facility like a band shell, stage, or amphitheater area; a pool or waterpark; access amenities; and comfort/safety amenities.

Exhibit 40 (Q4-g). Other facilities/areas mentioned by respondents. Responses to the question: *“List other facilities or options that you would like to see available at Freshkills Park.”*

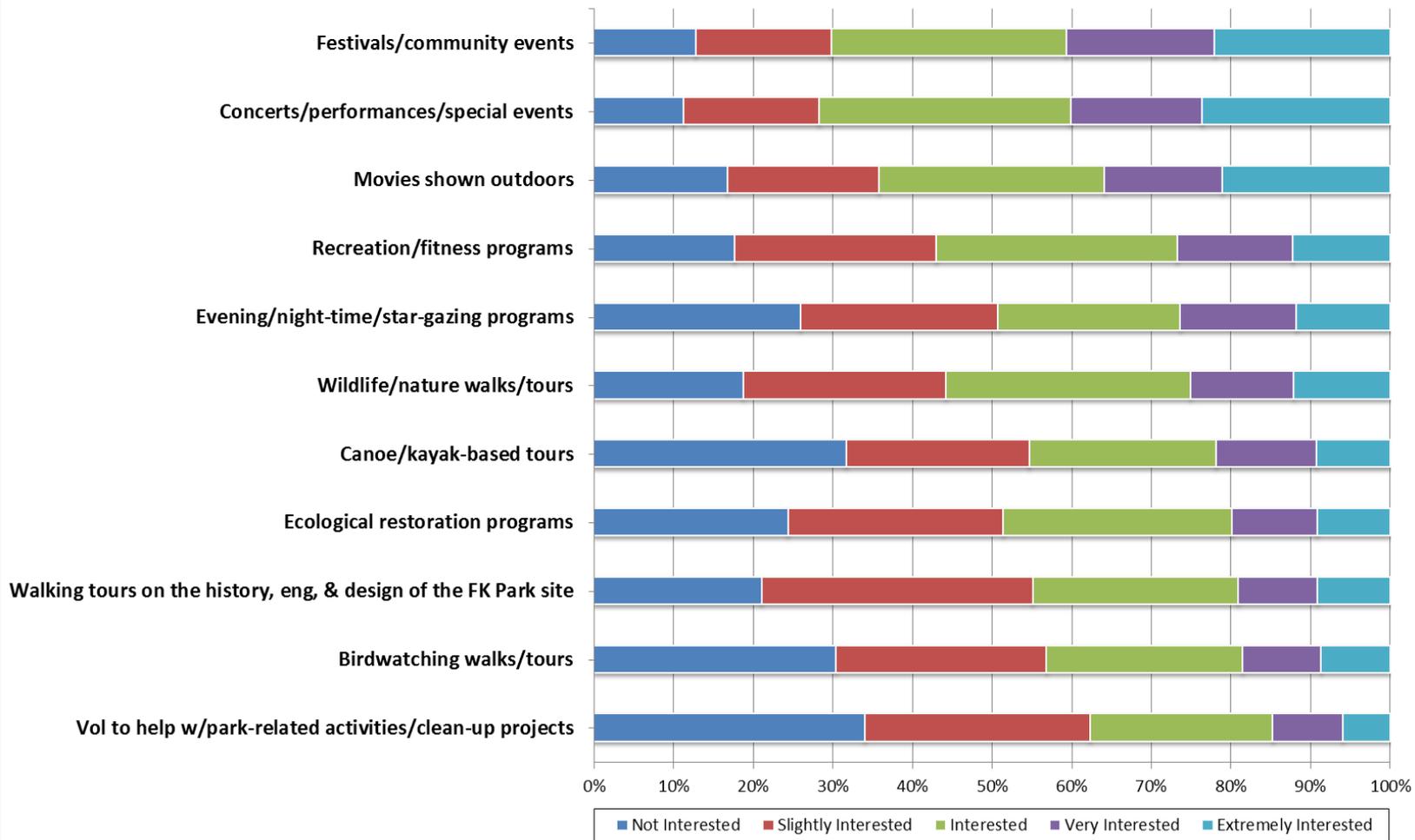
Response	# Mentions	Response	# Mentions
Band shell/concert stage/amphitheater	10	ATV/ORV trails	1
Public pool/waterpark	8	Badminton courts	1
Access amenities (e.g., ample parking, internal transportation system within park, carts available for elderly/disabled)	6	Bowling alley	1
Comfort/safety amenities (e.g., first aid stations, water fountains, outlets to recharge wheelchairs or cellphones, camera/security system)	4	Butterfly pavilion	1
Fountains/sprinkler park	3	Community garden	1
Horses available for use	3	Disability playground	1
Wildlife reserve/ zoo/natural areas for animals	3	Equipment rentals	1
Climbing wall	2	Fish hatchery	1
Concession stands	2	Gun range	1
Field hockey/football fields	2	Meditation area	1
Ice skating rink/roller rink	2	Outdoor Exercise Circuit	1
Kite flying/model rocket/remote control plane/car areas	2	Owlery	1
Mini-golf area	2	Sandbox	1
Rides/amusements	2	Smokers area	1
Shopping plaza	2	Zip-line	1
Ski lift/snowboarding area	2		

In addition to inquiring about likelihood of using recreational facilities and areas, respondents were also asked about their level of interest in a variety of recreational and educational programs that might be offered at FKP (Exhibits 41 and 42). The programs that respondents were most interested in attending were the arts-based programs. Forty-one percent of respondents said they were very to extremely interested in festivals or community events at FKP, followed by concerts and performances (40%), and outdoor movies (36%). Approximately one in four respondents were interested in recreation/fitness programs (27%), star-gazing programs (26%), and wildlife tours (26%). Respondents expressed the least interest in volunteer activities (19%) and clean-up projects at the Park (15%).

Exhibit 41 (Q4-h). Interest in programs that might be offered at Freshkills Park. Responses to the question: *“The following is a list of programs that might be offered at Freshkills Park. Please indicate how interested you or the members of your household would be in participating in each program listed.”*

Program	0: Not Interested	1: Slightly Interested	2: Interested	3: Very Interested	4: Extremely Interested	Top-2 Box Percent (Very or Extremely Interested)
Festivals/community events	12.8%	17.0%	29.5%	18.7%	22.0%	40.7%
Concerts/performances/special events	11.3	17.0	31.6	16.6	23.6	40.2
Movies shown outdoors	16.8	19.1	28.3	14.8	21.0	35.8
Recreation/fitness programs	17.7	25.4	30.2	14.5	12.2	26.7
Evening/night-time/star-gazing programs	26.0	24.7	23.0	14.6	11.7	26.3
Wildlife/nature walks/tours	18.8	25.5	30.7	13.0	12.1	25.1
Canoe/kayak-based tours	31.7	23.0	23.5	12.5	9.3	21.8
Ecological restoration programs	24.4	27.1	28.8	10.6	9.2	19.8
Walking tours focused on the history, engineering, and design of the FK Park site	21.1%	34.1%	25.8%	10.0%	9.1%	19.1
Birdwatching walks/tours	30.4	26.5	24.6	9.9	8.6	18.5
Volunteering to help with park-related activities/clean-up projects	34.1	28.3	23.0	8.8	5.9	14.7

Exhibit 42 (Q4-h). Interest in programs that might be offered at Freshkills Park.



Similar to the previous question, respondents were given the opportunity to list other program areas that they would like to see available at FKP. As shown in Exhibit 43, the most frequently mentioned included children/teen programs; community and/or volunteer programs; fitness programs; pool/aquatic programs; and community gardening.

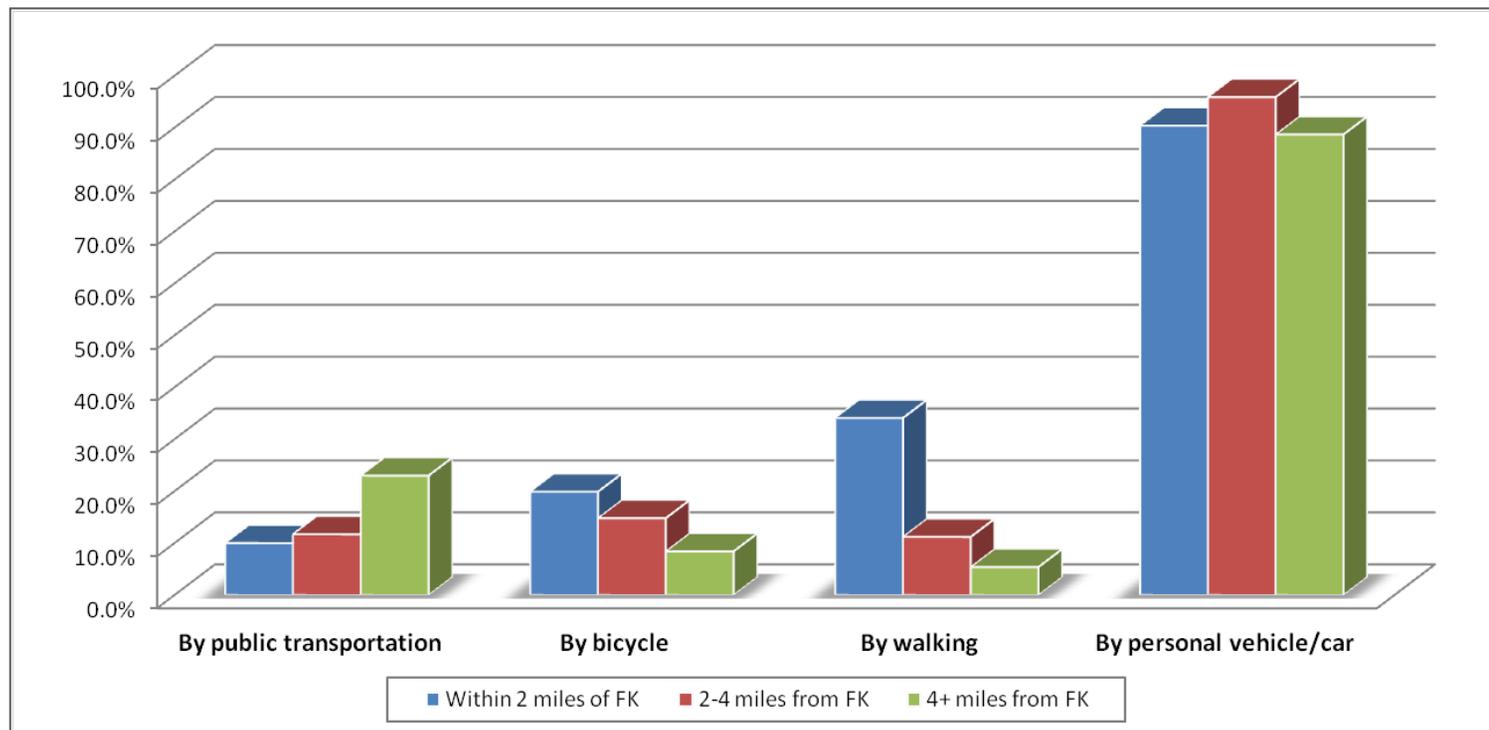
Exhibit 43 (Q4-g). Other programs mentioned by respondents. Responses to the question: *“List other programs that you would like to see offered at Freshkills Park.”*

Response	# Mentions
Children's/teen's (K-12) programs	11
Community &/or volunteer programs	8
Fitness programs (yoga, tai chi, Zumba, salsa dance, meditation)	6
Pool/aquatic programs	6
Community gardening programs	5
Sports/activity programs (baseball, archery, golf, skating)	3
Boating programs	2
Cultural festivals/Special event space	2
Fishing programs	2
Horseback riding programs	2
Wildlife protection program	2
Program related to the site's usage during/after 9/11	1

To evaluate the influence of accessibility on visitation and recommendation, respondents were asked about their likely means of transportation to access FKP (Exhibit 44). The vast majority of respondents planned to use a personal vehicle (92%) to visit FKP. For the other modes of transportation (walking, public transportation and bicycle) the percent of all respondents reporting that they would use that mode were all around 15%. However, when viewed as a function of residents' distance from the park, the likelihood of walking or biking to the park was highest for those living within 2 miles (at 34% and 20% respectively), followed by those living 2 to 4 miles away (at 11% and 15% respectively). In contrast, the likelihood of using public transportation was highest for those living more than 4 miles away (at 23%), next highest for those 2 to 4 miles away (12%), and lowest for those within 2 miles (10%).

Exhibit 44 (Q4-i). How residents would get to Freshkills Park. Responses to the question: "If you were to visit, how would you or the members of your household get to Freshkills Park?" ("X" All that apply)

	Within 2 miles of FK	2-4 miles from FK	4+ miles from FK	Total
By personal vehicle/car	90.4%	95.9%	88.7%	91.9%
By walking	34.1%	11.2%	5.4%	15.4%
By public transportation	10.0%	11.7%	23.0%	15.2%
By bicycle	19.9%	14.8%	8.4%	13.9%

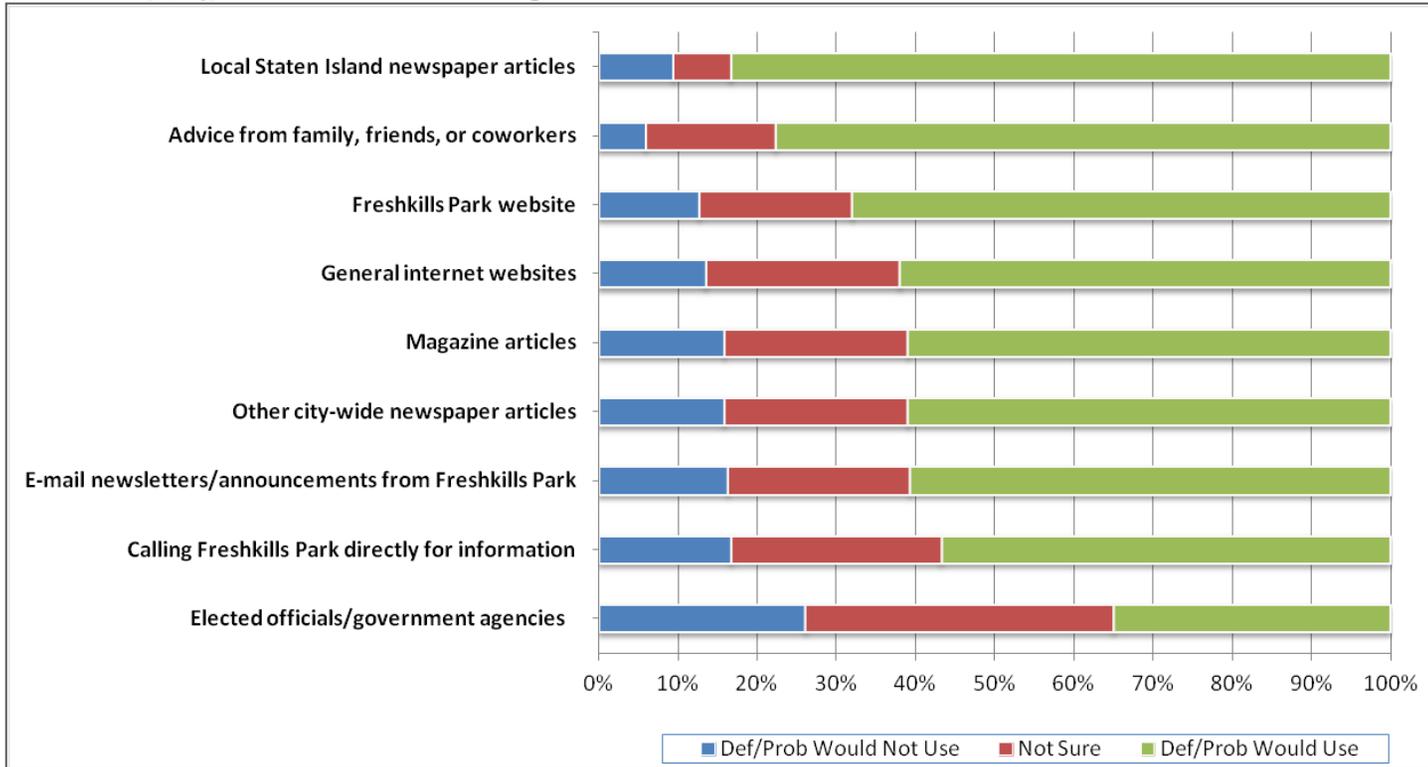


Respondents cite a variety of sources they would use to gain information about FKP (Exhibits 45 and 46). The top-rated source is local Staten Island newspaper articles, with 83% responding they would probably or definitely consult this source of information to learn about FKP. Other highly rated sources of information include: advice from family and friends (78%), the Freshkills website (68%), and general Internet websites (62%). The least likely source of information that respondents would consult to learn about FKP would be elected officials or government agencies (35%).

Exhibit 45 (Q4-j). How residents would get information about Freshkills Park. Responses to the question: “There are many different sources of information that people might use to find out about Freshkills Park. Please indicate how likely you would be to use each of the sources below to find out about Freshkills Park.”

Information Source	-2: Definitely Would Not Use	-1: Probably Would Not Use	0: Not sure	+1: Probably Would Use	+2: Definitely Would Use	Top-2 Box Percent (Prob or Def Would Use)
Local Staten Island newspaper articles	3.4%	6.0%	7.3%	31.9%	51.4%	83.3%
Other city-wide newspaper articles	5.3	10.5	23.3	36.5	24.4	60.9
Magazine articles	5.3	10.5	23.3	36.5	24.4	60.9
Freshkills Park website	5.4	7.3	19.3	30.9	37.0	68.0
General internet websites	5.1	8.4	24.5	33.7	28.3	62.0
E-mail newsletters/announcements from Freshkills Park	6.2	10.2	23.0	31.2	29.5	60.7
Elected officials/government agencies	10.8	15.3	39.0	25.0	9.9	34.9
Advice from family, friends, or coworkers	2.9	3.1	16.4	44.3	33.3	77.7
Calling Freshkills Park directly for information	6.4	10.3	26.6	32.2	24.5	56.7

Exhibit 46 (Q4-j). How residents would get information about Freshkills Park.



Questions were also asked to examine the extent to which respondents felt they would become “attached” to FKP (Exhibit 47). Across the range of questions asked, respondents tended to agree with the statements regarding their likelihood of becoming attached to the future FKP. For example, over half of respondents (56%) stated that they agreed or strongly agreed that FKP is likely to become the best SI park for their activities of interest, 51% thought that no other SI park will be able to compare to FKP, and 50% responded that they will get more satisfaction out of visiting FKP as compared to other SI parks. The question that respondents had the lowest agreement with was whether they often think about the future of FKP. Thirty percent of respondents answered in the affirmative to this, while 27% disagreed.

Exhibit 47 (Q4-k). Beliefs about becoming “attached” to Freshkills Park in the future. Responses to the following place identity and place dependence statements.

	-2: Strongly Disagree	-1: Disagree	0: Neutral	+1: Agree	+2: Strongly Agree	Top-2 Box Percent (Agree/Strongly Agree)
I think I will become very attached to the future FKP	8.1%	6.2%	36.2%	27.9%	21.5%	49.4%
I think I will strongly identify with the future FKP	8.2	7.4	38.9	27.2	18.3	45.5
I often think about the future FKP	12.9	13.7	43.4	18.6	11.5	30.1
FKP is likely to become the best SI park for the activities I like to do	8.4	5.2	30.8	29.3	26.3	55.6
I think I will get more satisfaction out of visiting FKP than any other SI park	9.7	5.7	34.4	24.7	25.5	50.2
I think no other Staten Island park will compare to the future FKP	9.0	5.7	33.9	23.1	28.3	51.4

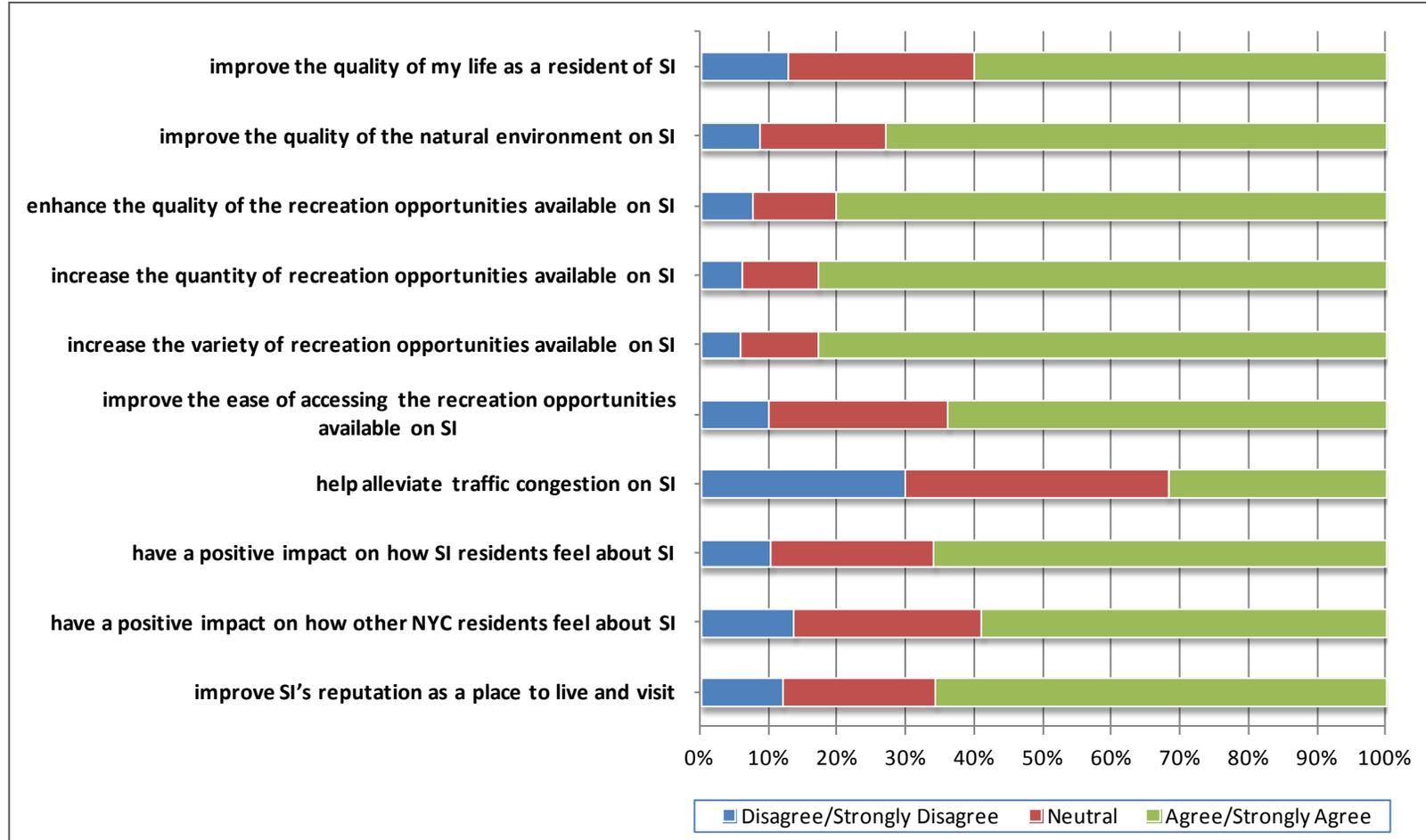
Beliefs about how the development of FKP will impact respondents and their quality of life on SI were also examined (Exhibits 48 and 49). Respondents felt strongly that the development would increase the quantity, variety, and quality of recreational opportunities on SI with over 80% of respondents in agreement with these three points. In addition to improving recreational offerings, respondents also believed that the FKP would improve the quality of the natural environment of SI, as well as how Staten Islanders feel about SI and Staten Island’s reputation as a place to live and visit. Over 65% of respondents agreed with each of these three statements. Approximately 60% of respondents believe that FKP will improve the ease of accessing recreational opportunities on SI, improve the respondent’s quality of life, and have a positive impact on how other NYC residents view Staten Island. The statement that respondents least agreed with was that the development of FKP would help alleviate traffic problems on Staten Island. Thirty percent of respondents agreed with this statement, 30% disagreed, and 38% were neutral. Thus, there is a significant amount of uncertainty about the impact of the park, good or bad, on Staten Island traffic congestion.

Exhibit 48 (Q4-I). Beliefs about the impact of the development of FKP on SI residents and life on SI. Responses to the statements below.

I believe the development of Freshkills Park will...	-2: Strongly Disagree	-1: Disagree	0: Neutral	+1: Agree	+2: Strongly Agree	Top-2 Box Percent (Agree/Strongly Agree)
improve the <u>quality of my life</u> as a resident of SI	8.9%	3.9%	27.0%	32.2%	28.0%	60.1
improve the <u>quality of the natural environment</u> on SI	6.1	2.5	18.3	34.5	38.6	73.1
enhance the <u>quality</u> of the recreation opportunities available on SI	5.1	2.5	12.2	35.4	44.8	80.1
increase the <u>quantity</u> of recreation opportunities available on SI	4.1	1.9	11.1	35.3	47.6	82.9
increase the <u>variety</u> of recreation opportunities available on SI	4.0	1.8	11.3	36.3	46.6	82.8
improve the <u>ease of accessing</u> the recreation opportunities available on SI	5.6	4.4	26.1	33.1	30.9	63.9
help alleviate <u>traffic congestion</u> on SI	17.3	12.6	38.3	16.5	15.3	31.8
have a positive impact on how <u>SI residents</u> feel about SI	6.9	3.4	23.7	35.6	30.3	65.9
have a positive impact on how <u>other NYC residents</u> feel about SI	8.2	5.5	27.4	32.1	26.8	59.0
improve <u>SI’s reputation</u> as a place to live and visit	7.9	4.0	22.4	33.0	32.7	65.7

Exhibit 49 (Q4-I). Beliefs about the impact of the development of FKP on SI residents and life on SI.

I believe the development of Freshkills Park will...



Next, beliefs about safety and accessibility of Freshkills Park were examined (Exhibit 50). Respondents tended to agree that accessibility to Freshkills Park will not be a problem for them. Sixty-seven percent agreed that it will be easy for them to get to FKP from where they live; while 48% believe it will be easy to get around the park once inside. On the topic of safety from crime or health risks when using FKP, respondents are a bit more uncertain or negative. Forty-three percent believe it will be safe to use land-based recreational areas at FKP, but another 37% are uncertain. Similar responses were given for beliefs associated with the safety of water-based recreation. Forty percent believe they will be safe from crime when using FKP, but forty-four percent are uncertain. Respondents' beliefs about safety from health risks when using FKP were fairly evenly split between those that agreed they would be safe from health risks (32%), those that were uncertain (35%) and those who thought they would not be safe from health risks (33%). Beliefs about odors or smells from the former landfill site were also split with 39% uncertain whether there would be odors, 33% who thought there would not be, and 28% who believed there would be odors.

Exhibit 50 (Q4-I). Beliefs about the safety and accessibility issues related to visiting FKP. Responses to the statements below.

I believe...	-2: Strongly Disagree	-1: Disagree	0: Neutral	+1: Agree	+2: Strongly Agree	Top-2 Box Percent (Agree/Strongly Agree)
I will be <u>safe from crime</u> when visiting Freshkills Park	6.4	9.3	44.1	27.9	12.4	40.3
I will be <u>safe from health risks</u> when visiting Freshkills Park	16.9	16.3	35.0	21.8	10.0	31.8
it will be safe to use the <u>land-based recreation areas (i.e., trails and grass/lawn areas)</u> at Freshkills Park	9.9	10.7	36.7	29.8	12.8	42.6
it will be safe to use the <u>water-based recreation areas</u> (kayak, canoe, row boat facilities) at Freshkills Park	11.5	11.6	39.7	25.6	11.5	37.1
there will not be <u>odors/smells from the landfill</u> when I visit Freshkills Park	12.3	15.6	39.0	20.6	12.5	33.1
it will be <u>easy to get to</u> Freshkills Park from where I live	5.7	7.3	20.5	34.3	32.2	66.5
it will be <u>more convenient</u> for me to visit Freshkills Park than other parks on Staten Island	14.4	13.5	29.6	21.5	21.0	42.5
it will be <u>easy to get around the park</u> once I am onsite	4.2	5.1	43.0	30.8	16.9	47.7

Next, respondents were asked about their feelings about visiting Freshkills Park (Exhibit 51). Respondents expressed strong agreement about feelings of excitement (61%) and happiness (62%) associated with the idea of visiting FKP. About one-fourth indicated that they had mixed feelings (29%) or felt conflicted (24%) about the idea of visiting FKP, and a small number indicated that they felt indifferent (15%) or that they had neither positive nor negative (16%) about the idea of visiting the park.

Exhibit 51 (Q4-m). Feelings about visiting Freshkills Park. Responses to the statements below.

	-2: Strongly Disagree	-1: Disagree	0: Neutral	+1: Agree	+2: Strongly Agree	Top-2 Box Percent (Agree/Strongly Agree)
I feel excited about the idea of visiting Freshkills Park	8.7	4.1	26.7	28.0	32.5	60.5
I feel happy about the idea of visiting Freshkills Park	8.2	4.3	25.6	31.4	30.5	61.9
I have mixed feelings about the idea of visiting Freshkills Park	18.2	16.0	37.0	17.9	11.0	28.9
I feel conflicted about the idea of visiting Freshkills Park	24.0	17.7	34.0	14.8	9.6	24.4
I feel indifferent about the idea of visiting Freshkills Park	26.0	21.4	37.8	11.3	3.6	14.9
I feel neither positive nor negative about the idea of visiting Freshkills Park	24.0	14.8	44.9	10.0	6.3	16.3

Section 5. Questions other parks on sites that were once active landfills/dumps.

To test the influence of awareness of and visitation to other landfill-to-park projects on attitudes towards FKP, respondents were asked whether they had visited other local sites that were former landfills or dumps (Exhibit 52). Over three-quarters of respondents had visited Great Kills Park on Staten Island. A high percentage (41%) had also visited Flushing Meadows Park. Very small percentages of respondents had ever visited Bayonne Golf Course (4%), Norman J. Levy Park and Preserve (1%) and Richard W. DeKorte Park (1%). Fourteen percent of respondents had never visited any of these areas.

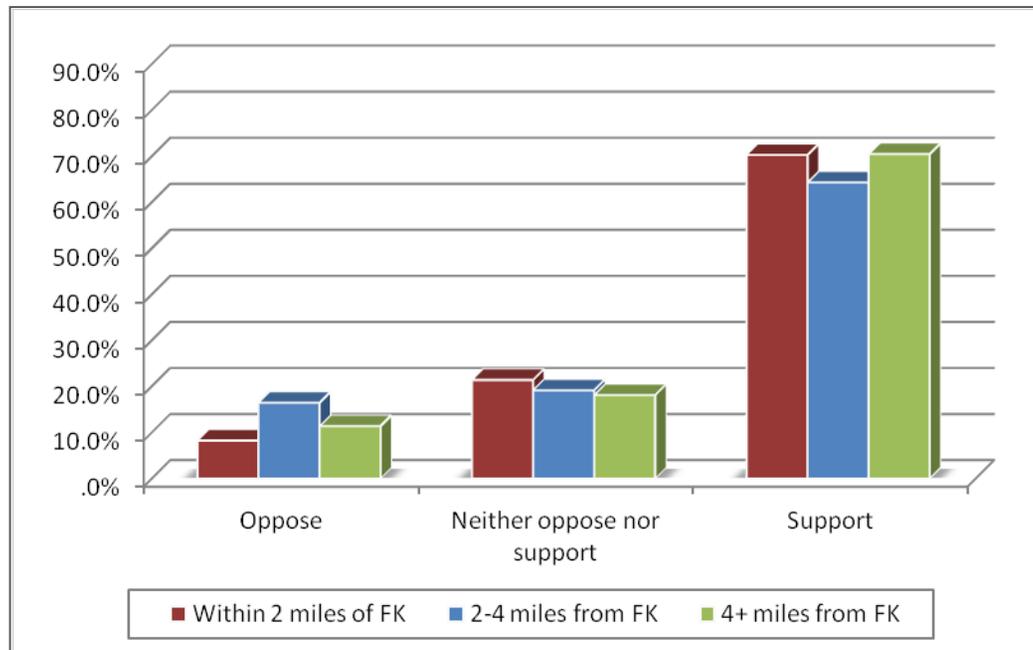
Exhibit 52 (Q5-a). Experience visiting other parks that were former landfills/dumps. Responses to the question: “A number of park sites in the region have been developed on sites that were former landfills and dumps. Which of these parks have you ever visited?”

	Within 2 miles of FK	2-4 miles from FK	4+ miles from FK	Total
Great Kills Park (Staten Island, NY)	79.2%	80.7%	70.0%	76.5%
Flushing Meadows Park (Queens, NY)	41.1%	38.6%	42.4%	40.6%
Norman J. Levy Park & Preserve (Merrick, NY)	1.1%	0.8%	2.1%	1.3%
Richard W. DeKorte Park (Lyndhurst, NJ)	0.0%	0.6%	1.2%	0.6%
Bayonne Golf Course (Bayonne, NJ)	3.0%	3.3%	4.1%	3.5%
I have not visited any of these parks	10.9%	12.7%	18.5%	14.3%

Respondents expressed strong levels of support for landfill-to-park development projects in general (Exhibit 53). Eight out of ten respondents indicated support for such projects. High levels of support were seen across all three distance bands, with 82% of respondents within 2 miles of FK voicing support, 78% in the 2 to 4 mile band in support, and 80% of those respondents living more than 4 miles from Freshkills.

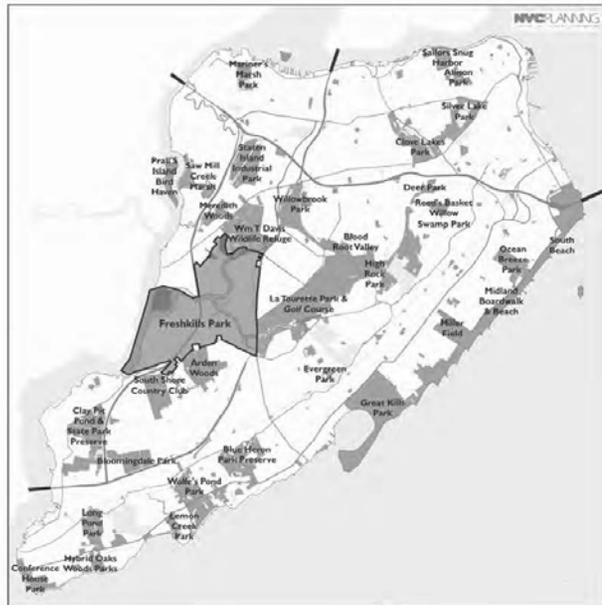
Exhibit 53 (Q5-b). Level of support or opposition landfill-to-park development projects. Responses to the question: *“To what extent do you support or oppose these types of landfill-to-park development projects?”*

	Within 2 miles of FK	2-4 miles from FK	4+ miles from FK	Total
-2: Strongly oppose	2.6%	5.9%	4.8%	4.6%
-1: Somewhat oppose	3.8	6.2	5.1	5.1
0: Neither oppose nor support	11.3	9.7	10.2	10.3
+1: Moderately support	30.8	28.8	32.7	30.7
+2: Strongly support	51.5	49.5	47.1	49.2
	100.0	100.0	100.0	100.0



Appendix A
Copy of the Survey Instrument

Staten Island Parks



WHAT DO YOU THINK?

A community-wide survey on current and planned parks on Staten Island

This survey is part of a project to help NYC Parks & Recreation planners understand how you feel about the current public parks and outdoor recreation areas on Staten Island and the plans to transform the former Fresh Kills Landfill on Staten Island into Freshkills Park. Your participation in the survey is voluntary and you are free to skip any question that you do not care to answer. All your responses will be kept confidential – your name will not be associated with any results.

Please return the survey in the postage paid envelope when you are finished.

Thank you for your help!

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City of New York
Parks & Recreation



1. First, some questions about your experience and opinions about living on Staten Island.

a. Did you live on Staten Island for at least six months during 2010?

No

Yes

If yes, how many years have you lived on Staten Island? _____ years

In what Staten Island neighborhood do you currently live? (e.g., Travis, New Dorp, Clifton, St. George, etc.) _____

b. Generally, how satisfied are you with the quality of your life as a resident of Staten Island? (CIRCLE ONE NUMBER)

Not at all Satisfied	Somewhat Satisfied	Satisfied	Very Satisfied	Extremely Satisfied
0	1	2	3	4

c. Next, indicate your level of agreement with each of the following statements as they relate to your attitude towards Staten Island. (CIRCLE ONE NUMBER FOR EACH STATEMENT)

	Strongly Agree		Neutral		Strongly Disagree
I am very attached to Staten Island.	+2	+1	0	-1	-2
I strongly identify with Staten Island.	+2	+1	0	-1	-2
I often think about Staten Island.	+2	+1	0	-1	-2

2. Next, questions about your views and use of the parks and outdoor recreation areas on Staten Island.

a. Overall, how familiar are you with the parks/outdoor recreation areas on Staten Island? (CIRCLE ONE)

Not at all Familiar	Somewhat Familiar	Familiar	Very Familiar	Extremely Familiar
0	1	2	3	4

b. Overall, how satisfied are you with the parks/outdoor recreation areas on Staten Island? (CIRCLE ONE)

Not at all Satisfied	Somewhat Satisfied	Satisfied	Very Satisfied	Extremely Satisfied
0	1	2	3	4

c. How satisfied are you with each of the following? (CIRCLE ONE NUMBER FOR EACH ROW)

	Not at all Satisfied	Somewhat Satisfied	Satisfied	Very Satisfied	Extremely Satisfied
The <u>quality</u> of the natural environment on Staten Island	0	1	2	3	4
The <u>quality</u> of the parks/outdoor recreation areas on Staten Island	0	1	2	3	4
The <u>quantity</u> of parks/outdoor recreation areas on Staten Island	0	1	2	3	4
The <u>variety</u> of the parks/outdoor recreation areas on Staten Island	0	1	2	3	4
The <u>ease of accessing</u> (i.e., by driving, walking, or taking a bus to) the parks/outdoor recreation areas on Staten Island	0	1	2	3	4

d. For each park listed below, please indicate in "COLUMN A" the last time you visited that park. Then, in "COLUMN B" indicate how likely you would be to recommend that park to your family and/or friends. For Column B, assume that distance or transportation to each park will not be a problem when visiting. Note that the location of each park is shown on the map on the survey cover.

	COLUMN A: When is the <u>last time you visited</u> this park? (CIRCLE ONE FOR EACH PARK)					COLUMN B: How likely would you be to recommend this park to <u>your family/friends</u> ? (CIRCLE ONE FOR EACH PARK)				
	Never heard of it	Heard of it, but never visited	Visited during past 12 months	Visited 1-5 years ago	Visited over 5 years ago	Definitely Would Recommend Visiting	Probably Would Recommend Visiting	Not sure	Probably Would NOT Recommend Visiting	Definitely Would NOT Recommend Visiting
Clove Lakes Park (SI-North)	X	0	1	2	3	+2	+1	0	-1	-2
Mariner's Marsh Park (SI-North)	X	0	1	2	3	+2	+1	0	-1	-2
Silver Lake Park (SI-North)	X	0	1	2	3	+2	+1	0	-1	-2
Sailors Snug Harbor (SI-North)	X	0	1	2	3	+2	+1	0	-1	-2
High Rock Park (SI-Greenbelt)	X	0	1	2	3	+2	+1	0	-1	-2
LaTourette Park & Golf Course (SI-Greenbelt)	X	0	1	2	3	+2	+1	0	-1	-2
Willowbrook Park (SI-Greenbelt)	X	0	1	2	3	+2	+1	0	-1	-2
Bloomington Park (SI-South)	X	0	1	2	3	+2	+1	0	-1	-2
Blue Heron Park Preserve (SI-South)	X	0	1	2	3	+2	+1	0	-1	-2
Clay Pit Pond & State Park Preserve (SI-South)	X	0	1	2	3	+2	+1	0	-1	-2
Conference House Park (SI-South)	X	0	1	2	3	+2	+1	0	-1	-2
Midland Boardwalk & Beach (SI-South)	X	0	1	2	3	+2	+1	0	-1	-2
Great Kills Park (SI-South)	X	0	1	2	3	+2	+1	0	-1	-2
Lemon Creek Park (SI-South)	X	0	1	2	3	+2	+1	0	-1	-2
Ocean Breeze Park (SI-South)	X	0	1	2	3	+2	+1	0	-1	-2
South Beach & Boardwalk (SI-South)	X	0	1	2	3	+2	+1	0	-1	-2
Wolfe's Pond Park (SI-South)	X	0	1	2	3	+2	+1	0	-1	-2

3. Now, some questions about your experiences with the Fresh Kills Landfill which was in operation on Staten Island from 1948 through 2001.

a. Did you live on Staten Island when the Fresh Kills site was still an active landfill (i.e., any time between 1948 and 2001)?

- No
- Yes

→ If yes, in what Staten Island neighborhood did you live when the landfill was still active? (e.g., Travis, New Dorp, Clifton, etc.)
LIST THE NEIGHBORHOOD YOU LIVED IN THE LONGEST) _____

b. How familiar would you say you were with the Fresh Kills site when it was an active landfill? (CIRCLE ONE)

<u>Not at all Familiar</u>	<u>Slightly Familiar</u>	<u>Familiar</u>	<u>Very Familiar</u>	<u>Extremely Familiar</u>
0	1	2	3	4

c. Which of the following types of involvement did you have with the Fresh Kills site when it was an active landfill?

("X" ALL THAT APPLY)

- I worked at Fresh Kills when it was an active landfill.
- I worked near Fresh Kills when it was an active landfill.
- I drove through or near the Fresh Kills site when it was an active landfill.
- I personally dropped waste off at Fresh Kills when it was an active landfill.
- I remember seeing trash being deposited or moved around on the landfill.
- I remember smelling odors coming from the landfill.
- I participated in advocacy meetings or events related to the closure of the landfill.
- Not applicable/none of these apply to me.

Use this space (or attach another sheet) to list other types of involvement you had or memories you associate with the Fresh Kills site when it was still an active, functioning landfill.

d. Which of the following types of involvement have you had with the Fresh Kills site since the landfill was closed in 2001? ("X" ALL THAT APPLY)

- I have read or listened to news about the plans for the site's future.
- I have talked with public officials about the plans for the site's future.
- I have provided written comments to government agencies about the plans for the site's future.
- I have attended a public meeting related to planning for the site's future.
- I have participated in a group tour of the Fresh Kills site.
- I have participated in a community event that took place at the Fresh Kills site.
- I have visited the NYC Parks website describing the plans for Freshkills Park.
- I have subscribed to receive email updates on the progress at Freshkills Park.
- Not applicable/none of these apply to me.

Use this space (or attach another sheet) to list other types of involvement you've had with the Fresh Kills site since the landfill was closed in 2001.

e. Prior to receiving this survey, how familiar were you with the plans for developing Freshkills Park? (CIRCLE ONE)

<u>Not at all Familiar</u>	<u>Slightly Familiar</u>	<u>Moderately Familiar</u>	<u>Very Familiar</u>	<u>Extremely Familiar</u>
0	1	2	3	4

f. Prior to receiving this survey, to what extent did you support or oppose the development of Freshkills Park?

(CIRCLE ONE)

<u>Strongly Supported</u>	<u>Somewhat Supported</u>	<u>Neither Opposed nor Supported</u>	<u>Somewhat Opposed</u>	<u>Strongly Opposed</u>
+2	+1	0	-1	-2

4. Next, some information about the plans to transform the Fresh Kills Landfill into Freshkills Park
 (PLEASE REVIEW THIS INFORMATION BEFORE ANSWERING THE QUESTIONS THAT FOLLOW)

After the Fresh Kills Landfill closed in 2001, the City of New York held an international design competition and developed a plan to transform the landfill into a new park. In 2006, the New York City Department of Parks & Recreation began to put the master plan into action for "Freshkills Park."

Only about 45% of the 2,200-acre site was used for landfill operations. That area is divided into four mounds: the north, south, east, and west mounds. The rest of the site is wetlands, open waterways, and relatively flat lowland areas. The north and south mounds have already been capped with a thick, watertight cover to separate the wastes from the public. Monitoring and control systems have been put in place to capture liquids and gases created as the waste decomposes.

Freshkills Park will be developed in phases over 30 years and early park projects (see below) have been designed to meet public safety regulations. In addition, a new road will serve as an east-west connection between the West Shore Expressway and Richmond Ave through the Freshkills Park site. This new road is intended to help ease traffic congestion on Staten Island and provide access to the interior of the park. When fully completed, Freshkills Park will

- be almost three times the size of Manhattan's Central Park.
- have recreational facilities, landscaped parkland, and restored wetlands.
- support many different outdoor activities and programs.

The first projects to be built, Schmul Park and the Owl Hollow Soccer Fields, are located at the edge of the site.



Schmul Park is an existing playground in the Travis neighborhood that will be renovated, replacing asphalt with colorful rubber-clad play mounds, plantings, and other porous materials. The park will feature a playground area, handball and basketball courts, and an environment-friendly comfort station. Schmul Park will also serve as a pedestrian entryway to North Park. This project is in construction.

The Owl Hollow Soccer Fields will provide four synthetic-turf soccer fields, a loop pedestrian path, parking and landscaped lawn areas, and an environment-friendly comfort station. This project is in construction.

The next set of projects, called North Park Phase 1 and South Park Phase 1, will take place on land next to and on top of the north and south mounds.

The first phase of the North Park development will be on 21 acres of land that connect with Schmul Park and provide views of the Main Creek and the nearby wildlife refuge. North Park will also include

- a parking lot,
- a scenic forested plateau,
- a comfort station with composting toilets,
- an expansive picnic lawn,
- an overlook deck and bird observation tower at water's edge.

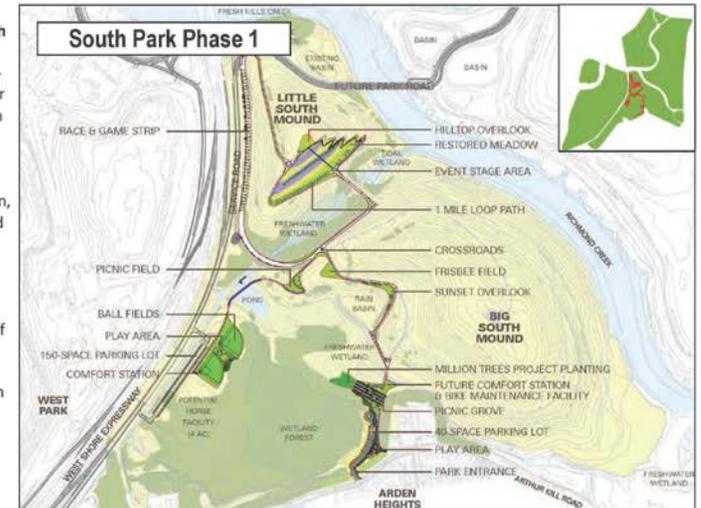
North Park Phase 1 is fully designed and in the permitting phase.



The first phase of South Park will take place on 20 acres. The recently-developed plans call for

- a 2.4 mile pedestrian and bike pathway,
- softball and little-league fields,
- play areas and a lawn,
- an area for races and games,
- a picnic grove,
- a large flowering meadow and event space on the slope of the site's central mound.

South Park Phase 1 is in its final design phase.



a. Now that you have read the materials provided, to what extent do you support or oppose the plans for developing Freshkills Park? (CIRCLE ONE)

<u>Strongly Support</u>	<u>Somewhat Support</u>	<u>Neither Oppose nor Support</u>	<u>Somewhat Oppose</u>	<u>Strongly Oppose</u>
+2	+1	0	-1	-2

b. Next, indicate your level of agreement with the statements below about the government agencies involved in the planning and development of Freshkills Park. (CIRCLE ONE NUMBER FOR EACH STATEMENT)

	<u>Strongly Agree</u>		<u>Neutral</u>		<u>Strongly Disagree</u>
I trust <u>local Staten Island government agencies</u> to make proper decisions about the development of Freshkills Park	+2	+1	0	-1	-2
I trust <u>NY City government agencies</u> to make proper decisions about the development of Freshkills Park	+2	+1	0	-1	-2
I trust <u>NY State government agencies</u> to make proper decisions about the development of Freshkills Park	+2	+1	0	-1	-2
I trust the government agencies involved to do a good job <u>communicating with the public</u> about the development of Freshkills Park	+2	+1	0	-1	-2
I trust the government agencies involved to do a good job <u>managing the development</u> of Freshkills Park	+2	+1	0	-1	-2
I trust the government agencies involved to do a good job <u>operating</u> Freshkills Park once it is open to the public	+2	+1	0	-1	-2

c. How likely would you be to visit Freshkills Park once it is open to the public? (CIRCLE ONE NUMBER)

<u>Definitely WOULD Visit</u>	<u>Probably WOULD Visit</u>	<u>Not sure</u>	<u>Probably WOULD NOT Visit</u>	<u>Definitely WOULD NOT Visit</u>
+2	+1	0	-1	-2

d. Please use this space to explain why you would or would not be interested in visiting Freshkills Park.

e. How likely would you be to recommend that your family or friends should visit Freshkills Park once it is open to the public? (CIRCLE ONE NUMBER)

<u>DEFINITELY WOULD Recommend Visiting</u>	<u>PROBABLY WOULD Recommend Visiting</u>	<u>Not sure</u>	<u>PROBABLY WOULD NOT Recommend Visiting</u>	<u>DEFINITELY WOULD NOT Recommend Visiting</u>
+2	+1	0	-1	-2

f. How would you describe your overall attitude towards visiting Freshkills Park once it is open to the public? (CIRCLE ONE NUMBER)

<u>Extremely Positive</u>	+2	+1	0	-1	-2	<u>Extremely Negative</u>
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g. The following is a list of facilities and areas that are planned or that might be offered at Freshkills Park. Please indicate how likely you or the members of your household would be to use each facility/area if it was available at Freshkills Park. (CIRCLE ONE NUMBER FOR EACH ROW)

	<u>Definitely Would Use</u>	<u>Probably Would Use</u>	<u>Not Sure</u>	<u>Probably Would Not Use</u>	<u>Definitely Would Not Use</u>
Baseball/softball fields	+2	+1	0	-1	-2
Basketball courts	+2	+1	0	-1	-2
Tennis courts	+2	+1	0	-1	-2
Soccer fields	+2	+1	0	-1	-2
Golf course/practice facilities	+2	+1	0	-1	-2
Handball courts	+2	+1	0	-1	-2
Skate park	+2	+1	0	-1	-2
BMX bike park	+2	+1	0	-1	-2
Paved bicycle paths or trails	+2	+1	0	-1	-2
Unpaved mountain biking paths/trails	+2	+1	0	-1	-2
Horseback riding trails	+2	+1	0	-1	-2
In-line or roller skating trails	+2	+1	0	-1	-2
Running or jogging trails	+2	+1	0	-1	-2
Cross country skiing trails	+2	+1	0	-1	-2
Walking/hiking trails	+2	+1	0	-1	-2
Waterfront boardwalk areas	+2	+1	0	-1	-2
Trails/areas for walking dog(s) (on-leash)	+2	+1	0	-1	-2
Dog run/dog park (off-leash)	+2	+1	0	-1	-2
Facilities for using/renting canoes, kayaks, row boats	+2	+1	0	-1	-2
Catch and release fishing areas	+2	+1	0	-1	-2
Playground areas	+2	+1	0	-1	-2
Sledding areas	+2	+1	0	-1	-2
On-site barbecue grills	+2	+1	0	-1	-2
Picnic areas	+2	+1	0	-1	-2
RV camping areas	+2	+1	0	-1	-2
Scenic overlook points for viewing SI, Manhattan, and the surrounding area	+2	+1	0	-1	-2
Areas/facilities for observing birds/wildlife	+2	+1	0	-1	-2
Nature or environmental center	+2	+1	0	-1	-2
Farmers market area	+2	+1	0	-1	-2
Onsite restaurant(s)	+2	+1	0	-1	-2

Use this space to list other features or options that you would like to see available at Freshkills Park.

h. The following is a list of programs that might be offered at Freshkills Park. Please indicate how interested you or the members of your household would be in participating in each program listed. (CIRCLE ONE NUMBER FOR EACH ROW)

	Not at all Interested	Slightly Interested	Interested	Very Interested	Extremely Interested
Walking tours focused on the history, engineering, and design of the FK Park site	0	1	2	3	4
Recreation/fitness programs	0	1	2	3	4
Ecological restoration programs	0	1	2	3	4
Wildlife/nature walks/tours	0	1	2	3	4
Birdwatching walks/tours	0	1	2	3	4
Canoe/kayak-based tours	0	1	2	3	4
Evening/night-time/star gazing programs	0	1	2	3	4
Concerts/performances/special events	0	1	2	3	4
Movies shown outdoors	0	1	2	3	4
Festivals/community events	0	1	2	3	4
Volunteering to help with park-related activities/clean-up projects	0	1	2	3	4

Use this space or another sheet to list other programs that you would like to see offered at Freshkills Park.

i. If you were to visit, how would you or the members of your household get to Freshkills Park? ("X" ALL THAT APPLY)

- By walking
- By bicycle
- By personal vehicle
- By public transportation
- Other, please specify:

j. There are many different sources of information that people might use to find out about Freshkills Park. Please indicate how likely you would be to use each of the sources below to find out about Freshkills Park.

(CIRCLE ONE NUMBER FOR EACH ROW)

	Definitely Would Use	Probably Would Use	Not Sure	Probably Would Not Use	Definitely Would Not Use
Local Staten Island newspaper articles	+2	+1	0	-1	-2
Other city-wide newspaper articles	+2	+1	0	-1	-2
Magazine articles	+2	+1	0	-1	-2
Freshkills Park website	+2	+1	0	-1	-2
General internet websites	+2	+1	0	-1	-2
E-mail newsletters/announcements from Freshkills Park	+2	+1	0	-1	-2
Elected officials/government agencies	+2	+1	0	-1	-2
Advice from family, friends, or coworkers	+2	+1	0	-1	-2
Calling Freshkills Park directly for information	+2	+1	0	-1	-2

Use this space to list other information sources you would use to obtain information about Freshkills Park.

k. Next, indicate your level of agreement with each of the following statements as they relate to your attitude towards Freshkills Park. (CIRCLE ONE NUMBER FOR EACH STATEMENT)

	Strongly Agree	Neutral	Strongly Disagree
I think I will become very attached to the future Freshkills Park	+2	+1	0 -1 -2
I think I will strongly identify with the future Freshkills Park	+2	+1	0 -1 -2
I often think about the future Freshkills Park	+2	+1	0 -1 -2
Freshkills Park is likely to become the best Staten Island park for the activities I like to do	+2	+1	0 -1 -2
I think I will get more satisfaction out of visiting the future Freshkills Park than any other Staten Island park	+2	+1	0 -1 -2
I think that no other Staten Island park will be able to compare to the future Freshkills Park	+2	+1	0 -1 -2

l. Now, indicate your level of agreement with each of the following statements. (CIRCLE ONE NUMBER FOR EACH ROW)

I believe the development of Freshkills Park will...	Strongly Agree	Neutral	Strongly Disagree
improve the <u>quality of my life</u> as a resident of Staten Island	+2	+1	0 -1 -2
improve the <u>quality of the natural environment</u> on Staten Island	+2	+1	0 -1 -2
enhance the <u>quality</u> of the recreation opportunities available on Staten Island	+2	+1	0 -1 -2
increase the <u>quantity</u> of recreation opportunities available on Staten Island	+2	+1	0 -1 -2
increase the <u>variety</u> of recreation opportunities available on Staten Island	+2	+1	0 -1 -2
improve the <u>ease of accessing</u> the recreation opportunities available on Staten Island	+2	+1	0 -1 -2
help alleviate <u>traffic congestion</u> on Staten Island	+2	+1	0 -1 -2
have a positive impact on how <u>Staten Island residents</u> feel about Staten Island	+2	+1	0 -1 -2
have a positive impact on how <u>other NYC residents</u> feel about Staten Island	+2	+1	0 -1 -2
improve <u>Staten Island's reputation</u> as a place to live and visit	+2	+1	0 -1 -2

I believe...

I will be <u>safe from crime</u> when visiting Freshkills Park	+2	+1	0 -1 -2
I will be <u>safe from health risks</u> when visiting Freshkills Park	+2	+1	0 -1 -2
it will be safe to use the <u>land-based recreation areas (i.e., trails and grass/lawn areas)</u> at Freshkills Park	+2	+1	0 -1 -2
it will be safe to use the <u>water-based recreation areas</u> (kayak, canoe, row boat facilities) at Freshkills Park	+2	+1	0 -1 -2
there will <u>not be odors/smells from the landfill</u> when I visit Freshkills Park	+2	+1	0 -1 -2
it will be <u>easy to get to</u> Freshkills Park from where I live	+2	+1	0 -1 -2
it will be <u>more convenient</u> for me to visit Freshkills Park than other parks on Staten Island	+2	+1	0 -1 -2
it will be <u>easy to get around the park</u> once I am onsite	+2	+1	0 -1 -2

m. Next, indicate your level of agreement with each of the following statements as they relate to your feelings about the idea of visiting Freshkills Park. (CIRCLE ONE NUMBER FOR EACH STATEMENT)

	Strongly Agree	Neutral	Strongly Disagree
I feel excited about the idea of visiting Freshkills Park	+2	+1 0	-1 -2
I feel happy about the idea of visiting Freshkills Park	+2	+1 0	-1 -2
I have mixed feelings about the idea of visiting Freshkills Park	+2	+1 0	-1 -2
I feel conflicted about the idea of visiting Freshkills Park	+2	+1 0	-1 -2
I feel indifferent about the idea of visiting Freshkills Park	+2	+1 0	-1 -2
I feel neither positive nor negative about the idea of visiting Freshkills Park	+2	+1 0	-1 -2

5. Now, some questions about other parks on sites that were once active landfills/dumps.

A number of park sites in the region have been developed on sites that were former landfills and dumps, such as:

- Great Kills Park on Staten Island, NY – used as a landfill in the 1930s and 1940s and converted into a public park in 1949;
- Flushing Meadows Park in Queens, NY – converted from the Corona Ash Dumps to be the site of the 1939 and 1964 Worlds Fairs;
- Norman J. Levy Park & Preserve in Merrick, Long Island, NY – a former municipal solid waste landfill that was transformed into a 9-hole golf course, park, and nature preserve;
- Richard W. DeKorte Park in Lyndhurst, NJ – a 6.5 acre landfill that was turned into a park in 1990; and
- Bayonne Golf Course in Bayonne, NJ – a 120-acre former municipal landfill with a history of industrial waste disposal that was converted into an 18-hole golf course in 2006.

a. Which of these parks have you ever visited? (“X” ALL THAT APPLY)

- Great Kills Park (Staten Island, NY)
- Flushing Meadows Park (Queens, NY)
- Norman J. Levy Park & Preserve (Merrick, NY)
- Richard W. DeKorte Park (Lyndhurst, NJ)
- Bayonne Golf Course (Bayonne, NJ)
- I have not visited any of these parks

b. To what extent do you support or oppose these types of landfill-to-park development projects? (CIRCLE ONE)

Strongly Support	Somewhat Support	Neither Oppose nor Support	Somewhat Oppose	Strongly Oppose
+2	+1	0	-1	-2

6. Now, some final questions for classification purposes.

a. Your gender: Female Male

b. Your age: _____

c. Indicate the number of people in your household in each of the following age categories. Please include yourself in the count. (ENTER # IN EACH CATEGORY)

5 years old or younger	Between 6 – 11 years old	Between 12 – 17 years old	Between 18 – 24 years old	Between 25 – 34 years old	Between 35 – 64 years old	65 years old or older

d. Which best describes your race/ethnicity? (CHECK ONE)

- White not Hispanic
- White Hispanic
- Asian/Pacific Islander
- Black not Hispanic
- Black Hispanic
- Other (please specify):

e. What is the highest level of education you have completed? (CHECK ONE)

- Less than high school
- Technical school graduate
- College degree (4-year degree)
- High school graduate or GED
- Some college
- Advanced/professional degree

f. What is your present employment status? (CHECK ONE)

- Employed, full-time
- Retired
- Unemployed
- Student
- Employed, part-time
- Self-employed
- Homemaker
- Other (please specify):

g. Which of the following best describes your total 2010 household income from all sources before taxes? (CHECK ONE)

- Less than \$25,000
- \$25,000 to \$49,999
- \$50,000 to \$99,999
- \$100,000 or more

h. What is your home/residential zip code: _____

i. Which type of phone or phones do you currently have available in your household? (CHECK ONE)

- Regular (“land line”) phone ONLY
- Cell phone ONLY
- Both Regular (land line) phone and Cell phone

Please use the space below (or attach another sheet) for any comments you might have about this survey, parks on Staten Island, or the plans for Freshkills Park. Please return your survey in the postage-paid envelope provided or mail it to: Dr. David B. Klenosky, Purdue University, 800 W. Stadium Ave., West Lafayette, IN 47907

Thanks again for your help!