

***Report to
Suffolk County Legislature
On Resolution 1084-2014
Conducting Groundwater Testing at Roberto Clemente Park and
Recommendations for Groundwater and Stream Testing at Brook
Avenue/Sampawams Creek, Sage St. and Veterans Way Sites***

The seal of Suffolk County, New York, is a circular emblem. It features a central figure of a Native American man standing with a bow and arrow. The words "SUFFOLK COUNTY" are arched across the top, and "NEW YORK" is arched across the bottom. The phrase "FREEDOM AND INDEPENDENCE" is written in a smaller arc below the central figure. The entire seal is surrounded by a decorative wreath.

**Suffolk County
Department of Health Services**

**Steve Bellone
Suffolk County Executive**

**James L. Tomarken, M.D., M.P.H., MBA, MSW
Commissioner, Health Services**

**Walter Dawydiak, P.E.
Director
Division of Environmental Quality**

January 16, 2015

Background

As a result of an investigation by the Suffolk County District Attorney's Office, four sites where illegal dumping had allegedly occurred were identified. The sites, listed in Table 1, all appear to have received a fill consistent with contamination by construction and demolition (C&D) debris. The New York State Department of Environmental Conservation (DEC) is the lead on all cleanup efforts at these sites. The dates(s) that the dumping occurred at these sites are unknown. The Suffolk County Department of Health Services (SCDHS) was first made aware of this investigation in April, 2014.

The District Attorney's Office hired the environmental consulting firm Envirosience to perform soil testing at the 4 sites. Soil was tested for a range of contaminants including metals, volatile organic compounds, semivolatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), total petroleum and asbestos.

The Suffolk County Legislature passed resolution number 1084-2014 on December 2, 2014. The resolution directs the SCDHS to:

- determine the direction of groundwater flow in the vicinity of Roberto Clemente Park in Brentwood and to install groundwater monitoring wells south of the recharge basin in the Park to test for the presence of toxins including, but not limited to, antimony, arsenic, cadmium, chromium, lead, copper, zinc and cobalt along with dangerous pesticides chlordane, DDT and Dieldrin,
- keep the community informed of our testing program through public meetings, news releases and other types of community outreach,
- investigate and determine whether groundwater testing should be conducted at Sampawams Creek, Sage Street/Route 111 and Veterans Way, and
- notify the Legislature of our findings within 45 days of the effective date of the resolution. The resolution was signed by the County Executive on December 5, 2014 .

This report addresses the plan for performing groundwater investigation at Roberto Clemente Park and recommendations regarding the Sampawams Creek, Sage Street/Route 111 and Veterans Way sites.

Investigation Results

The results of soil sampling conducted by Envirosience on behalf of the District Attorney's Office are summarized in Table 1. The corresponding locations are shown on Figure 1.

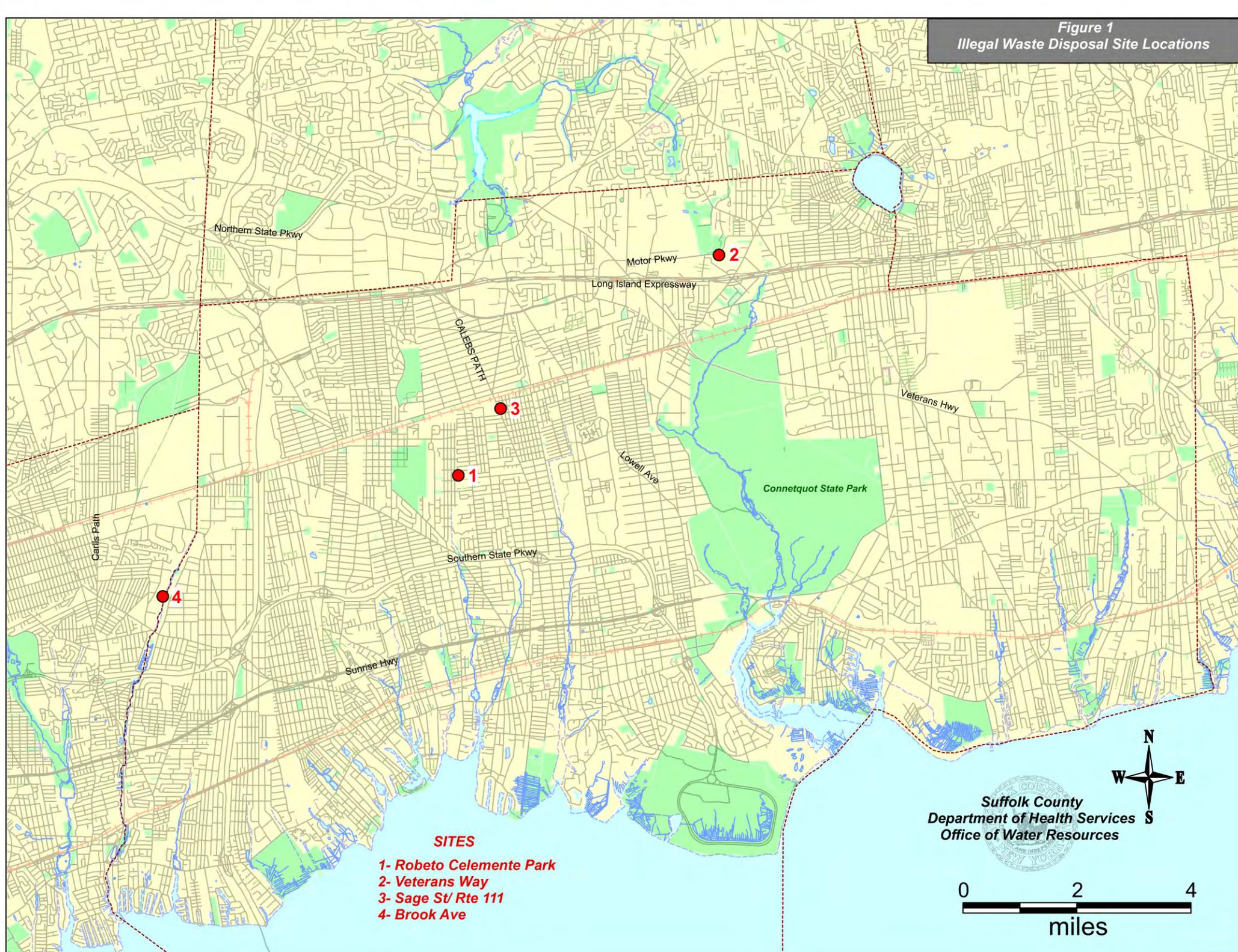
Table 1

Site Key	Site	Soil Contaminants
1	Roberto Clemente Park (Brentwood)	- Polycyclic Aromatic Hydrocarbons (PAHs), pesticides, and metals - Asbestos (most non-friable) - PAHs, lead, barium above RRSCO*
2	Veterans Way(Islandia)	- PAHs, pesticides, and metals - PAHs and Chromium above RSCO*
3	Sage St/Route 111 (Central Islip)	- PAHs, pesticides, and metals - Asbestos (non-friable) - PAHs, copper, lead above RRSCO*
4	175 Brook Avenue (Deer Park)	- PAHs, pesticides, and metals - Asbestos (non-friable) - PAH above RRSCO*

*Note: Soil Cleanup Objectives (SCOs) are established concentrations of contaminants in soil based upon the future use of a site that the DEC uses as cleanup objectives. Most of the subject sites results were compared to Restricted Residential Soil Cleanup Objectives (RRSCO) which allow for industrial, commercial and some residential uses. Veterans Way results were compared to Residential Soil Cleanup Objectives (RSCO) which allow for single family residential use of a site.

Air sampling has been performed at the Roberto Clemente Park by the Town of Islip and at the Sage St./Route 111 site by Suffolk County. All air sampling results have been negative.

Figure 1
Illegal Waste Disposal Site Locations



At the request of the DEC, the Town of Islip installed several monitoring wells at the Roberto Clemente Park in September 2014. A summary of the sampling results from these the wells are contained in a report prepared by *Enviroscience Consultants*, dated October 16, 2014. These results met NYSDEC ambient groundwater standards, with the exception of manganese in one downgradient on-site well and dieldrin in the upgradient well. In addition, lead in one of the downgradient wells exceeded the action level of 15 ppb established for public water systems*. There were also detections of other contaminants in several of these wells, all of which were below the NYSDEC ambient groundwater standards. Given the results of this limited data set, the SCDHS proposes to conduct a groundwater investigation at this site.

** An action level means the concentration of a contaminant that, when exceeded, triggers an action to be taken by a water system to remedy the problem (e.g. perform additional monitoring and/ or implement treatment).*

The Roberto Clemente Park is located over 1 mile way from the nearest public drinking water supply wells that could potentially be affected. As part of our programmatic activities, the SCDHS conducts surveillance monitoring at these wells each year to ensure water quality. Based upon our latest test results, which were conducted in the middle of 2014, the water quality meets state and federal drinking water standards.

SCDHS Actions

A summary of SCDHS activities related to the site are shown in Table 2, attached.

The SCDHS collected and analyzed eight samples from the Sampawams Creek during 2014. None of the results exceeded any surface water standards; however there were detections of lead, cobalt and zinc in the vicinity of the Brook Avenue site. Based upon this limited data set, no definitive conclusions can be made at this time. Appendix II includes a summary of the department's analytical results together with a site map showing the sampling locations. In order to further evaluate potential impacts to the creek, the SCDHS recommends that additional sampling be performed.

Recommendations

In order to ascertain if the contaminated fill has impacted groundwater quality, and as directed by resolution number 1084-2014, the SCDHS will conduct a groundwater investigation at Roberto Clemente Park and proposes to conduct groundwater investigations at Veterans Way Subdivision, Sage Street/Route 111, and 175 Brook Avenue.

- A detailed workplan outlining the elements of the proposed groundwater investigation at the Roberto Clemente Park is attached in Appendix I. This plan includes the installation and sampling of 13 monitoring wells and the installation of 1 offsite well to help determine the direction of groundwater.
- In addition, the department proposes to install and sample between five and seven (onsite/offsite) monitoring wells at each of the other three sites. (Veterans Way, Sage Street/Route 111, and 175 Brook Avenue).
- In order to assess possible impacts to the Sampawams Creek from the 175 Brook Avenue site, the SCDHS proposes to collect surface water, sediment and pore water samples from the creek (pore water is the groundwater discharging into the creek at the sediment/surface water interface).
- We anticipate these sites will be investigated in the following order: Roberto Clemente Park; 175 Brook Avenue / Sampawams Creek, Veterans Way Subdivision; and Sage Street/ Route 111.
- The timeframe for the work at each site is estimated as follows: 2 weeks for drilling activities and an additional 2 weeks to complete the sampling of the wells. The collection of surface water, sediment, and pore water samples in the Sampawams Creek is estimated to take one week to be completed; however, the initiation of the creek sampling activity is weather dependent. Laboratory analysis is expected to be completed approximately 6 weeks after the final samples are collected. These estimated time frames do not account for any delays that may be encountered with respect to permission to access the sites, weather, and/ or any unforeseen contingencies which could extend the time frames.

Table 2
Suffolk County Actions

Site Key	Site	SCDHS Actions Taken	Future SCDHS Actions
1	Roberto Clemente Park (Brentwood)	<ul style="list-style-type: none"> - Daily surveillance to check for presence of secure fencing and dust suppression. - The existence of private wells assessed. - Based upon the information available no private wells identified and properties in the vicinity appear to be served with public water. - County installed offsite wells. <ul style="list-style-type: none"> - 4 of 5 offsite wells installed & 3 profile wells were sampled. The results are pending. Appendix I is Workplan. - 3 wells were leveled in to determine the direction of groundwater flow. 	<ul style="list-style-type: none"> - Install 9 onsite wells in accordance with the SCDHS workplan to perform a comprehensive groundwater evaluation at the site. - Installation of a fifth offsite well. - Assess SCDHS groundwater results to determine strategy for long term monitoring. - Continue daily surveillance until site has been remediated with DEC oversight.
2	Veterans Way Subdivision (Islandia)	<ul style="list-style-type: none"> - The existence of private wells assessed. - 1 Private well was identified and sampled. <ul style="list-style-type: none"> - Well met drinking water standards at time of sampling.* - Based upon information available, remaining properties in area appear to be served with public water. 	<ul style="list-style-type: none"> - Based upon the presence of various soil contaminants the SCDHS proposes the installation of onsite/offsite groundwater monitoring wells. - Assess SCDHS groundwater results to determine strategy for long term monitoring.
3	Sage Street / Route 111 (Central Islip)	<ul style="list-style-type: none"> - Daily surveillance to check for presence of secure fencing and dust suppression. - The existence of private wells was assessed. <ul style="list-style-type: none"> - Based upon information available, no private wells identified. Properties in the vicinity appear to be served with public water. 	<ul style="list-style-type: none"> - Based upon the presence of various soil contaminants the SCDHS proposes the installation of onsite/offsite groundwater monitoring wells. - Continue daily surveillance until site has been remediated with DEC oversight. - Assess SCDHS groundwater results to determine strategy for long term monitoring.
4	175 Brook Avenue (Deer Park)	<ul style="list-style-type: none"> - Joint SCDHS, Town of Babylon and NYSDEC inspection. - Samples collected from Sampawams Creek. Results found in Appendix II. - The existence of private wells was assessed. - Based upon the information available, 3 private wells were identified in the vicinity. * <ul style="list-style-type: none"> - Two commercial facilities had levels greater than drinking water standards of iron/manganese, which is consistent with prior sampling conducted by the SCDHS; owners advised of remedies - Based upon information available, remaining properties in the area appear to be served with public water. 	<ul style="list-style-type: none"> - Based upon the presence of various soil contaminants the SCDHS proposes the installation of onsite/offsite groundwater monitoring wells, and surface water monitoring. - Pore water samples (sampling groundwater discharging into the creek at the sediment/surface water interface). - Assess SCDHS sampling results to determine strategy for long term monitoring.

*Note: There were low level detections in private well results which were generally consistent with the results of the testing performed at residences on previous occasions by the SCDHS in 2010 and 2005

- Once all of the work has been completed, a summary of all analytical results will be prepared and provided to the Suffolk County Legislature.
- The SCDHS will assess the sampling results at each of these properties to determine an appropriate strategy for long term monitoring.

Appendix I

SCDHS Roberto Clemente Park Monitoring Well Installation Work Plan

ROBERTO CLEMENTE PARK WORK PLAN

INTRODUCTION

The subject property, known as Roberto Clemente Park, is located on 400 Broadway, Brentwood, NY. IR 2016 has directed the SCDHS to conduct groundwater testing for toxic chemicals at Roberto Clemente Park, in Brentwood. This work plan is for a first level look at groundwater impacts related to contamination onsite. Permanent wells and long term monitoring will be determined after initial review of data and needs of the project.

DEFINITIONS

Groundwater is the water found underground in the cracks and spaces in soil, sand and rock. It is stored in, and moves slowly through, geologic formations of soil, sand and rocks called aquifers, a natural resource and source of water for drinking, irrigation, recreation, and industry. All of our drinking water in Suffolk County is groundwater.

Monitoring Well is a well which is drilled into groundwater primarily to test the physical, chemical and/or biological conditions of water quality and/or geology at a location in our aquifer; under the SCDHS program, it can be augered or geoprobed. A monitoring well can be used to measure the elevation of a water table and to determine if contaminants are present. A monitoring well has a screened interval which allows groundwater to enter. This is the screen zone where groundwater is collected.

Profile Well is a type of monitoring well in which samples can be collected at different depths of the aquifer. A profile well is drilled to a predetermined depth and sampled at that depth. The well is then pulled at ten foot intervals and resampled. This process continues until the top of the water table is reached. Profile wells sample the aquifer at many levels. Profile wells are always sampled from the bottom up. The process is the same for augered or Geoprobe profile wells. A profile well has a screened interval which allows groundwater to enter. This is the screen zone where groundwater is collected.

Augered Well- is a well installed using five foot hollow stem augers (a hollow stem auger is similar to a drill bit). When the augers are drilled into the ground, cuttings (soil that rises on the auger flight) come to the surface and are shoveled to the side. Once the desired depth is achieved, two-inch schedule 80 flush-fit pipe is placed into the well. One five-foot sump, one five-foot well screen and enough lengths of ten-foot pipe are installed to reach the ground surface. The augers are removed, and the annular space is back filled with soil.

Geoprobe Well- is a well installed using a direct push Geoprobe machine. Four foot sections of Geoprobe rod are pushed in the soil to a predetermined depth. Geoprobe rods differ from augers in that they are straight pieces of hardened pipe that are screwed together and driven (hammered) into the ground. One inch schedule 40 pipe is placed inside the drill rod. The well consists of one five-foot well screen and enough five-foot lengths of pipe to reach the ground surface. The drill

Appendix I

SCDHS - 12/18/14

rods are removed, leaving the well set in place. There are no cuttings to deal with therefore the annular space does not require filling.

SCOPE OF WORK

In order to ascertain if the contaminated fill at the site has impacted groundwater, thirteen temporary profile wells and one temporary monitoring well will be installed (see attached site map). The thirteen temporary profile wells will be sampled for water quality, and the temporary monitoring well will be used only to determine the water table elevation. These temporary wells will be installed as noted; however, the locations are approximate and may have to be adjusted based upon site conditions. After review of the initial analytical results and the determination of the site-specific direction of groundwater flow, additional temporary profile wells and/or sampling may be warranted. All drilling and sampling activities must be completed prior to removal of the contaminated soil. The SCDHS will contact New York 811 at least 48 hours prior to beginning any drilling activities to ensure underground utility lines are located and properly marked. New York 811 will only mark public areas. In addition, Premier Utility Services, a private underground utility locator, must be contacted to locate and mark-out underground utilities within Roberto Clemente Park. A certificate of insurance (COI) will also be presented to the Town of Islip prior to any drilling activities.

Once the temporary wells are installed, an initial groundwater sample will be collected from each of the thirteen temporary profile wells. The thirteen temporary profile wells will be pulled up and sampled at ten foot intervals. This process will continue until the top of the water table is reached. Once all thirteen temporary profile wells have been sampled and pulled to the top of the water table, the temporary wells will be surveyed with relative elevations to determine the direction of the local groundwater flow. Monitoring well RC-13 is a side-gradient temporary water table well and will not be pulled or sampled. RC-13 will be surveyed to determine relative elevations for local groundwater flow.

Nine temporary Geoprobe profile wells will be installed using a Geoprobe 7822DT track-mounted direct push machine in all areas located within the Roberto Clemente Park. The well locations were chosen based upon the location of the contaminated fill and regional groundwater flow direction. Each of the nine temporary Geoprobe profile wells will be constructed of one inch diameter casing consisting of schedule 40 PVC flush fit pipe, together with a 0.010 slot 5-foot well screen. During the investigation, in order to maintain the integrity of the temporary Geoprobe profile wells, the wells will be covered with a Rain Tight monitoring well manhole cover.

Low density polyethylene tubing attached to a portable low flow peristaltic pump will be used to collect the groundwater samples from all nine one inch diameter Geoprobe profile wells. These wells will be purged a minimum of three well casing volumes. All purge water will be released to the ground. Samples will not be collected until field parameters have stabilized.

Four temporary augered profile wells and one temporary augered side gradient water table monitoring well will be installed using the CME-55 auger drill rig. Two upgradient, one side-gradient (monitoring well for water table elevation only), and two downgradient augered wells will be installed using two-inch flush-fit schedule eighty PVC pipe together with a five-foot

Appendix I

SCDHS - 12/18/14

schedule eighty 0.010 slot well screen and a five-foot schedule eighty sump (see Table 2). All two-inch temporary augered wells will be covered with a Rain Tight monitoring well manhole cover to maintain integrity during the investigation. Four of the two-inch diameter temporary augered profile wells will be sampled with a Grundfos Rediflo II submersible pump system (samples will not be collected from well RC-13). Prior to sampling each temporary augered profile well, the hose reel system will be decontaminated withalconox laboratory soap and then thoroughly rinsed. The temporary augered profile wells will be purged a minimum of three well casing volumes. All purge water will be released to the ground. Samples will not be collected until field parameters have stabilized.

SCDHS will summarize sample results within approximately eight weeks of sampling, however this timeframe is dependent upon the turn-around time of the analytical results from the laboratory. Upon review of all the results, additional wells or resampling of temporary wells at the top of the water table may be recommended. All fourteen wells installed for this project are temporary wells and may be removed after the laboratory results are analyzed.

Ideally, wells RC-1, RC-12 and RC-13 will be installed first to verify the direction of groundwater flow. There will be an on-going evaluation as information is collected and the project progresses, and well locations may be adjusted accordingly.

In cooperation with the Town of Islip, the SCDHS will split samples from the Islip Town monitoring wells located on Roberto Clemente Park property.

The following field parameters will be taken for each sample: temperature, dissolved oxygen, pH, conductivity, and turbidity (less than 50 NTU). Collected samples will be analyzed by the Suffolk County Department of Health Services Public and Environmental Health Laboratory (PEHL) for nutrients, volatile organic compounds, semi-volatile organic compounds, metals, pesticides, and radiation.

SAMPLE ANALYSIS

TABLE 1

Analysis	Method	Analysis	Method
Inorganics	EPA 300.0	Semi-volatile organics	EPA 525.2
Metals	EPA 200.8	Carbamates	SM 21 6610B
Volatile Organics	EPA 524.2	Herbicide metabolites	SCDHS LC/MS
Chlorinated pesticides	EPA 505	Dacthal metabolites	SCDHS HPLC/LC-UV
Microextractables	EPA 504.1	Perchlorate	EPA 332.0

Nutrients

Samples from the monitoring wells will be analyzed by the PEHL in accordance with “Standard Operating Procedure for Sampling for Inorganic Compounds in Aqueous Samples” (USEPA, 2002). The samples will be stored on ice at 4 °C and transported to the PEHL for analysis

Appendix I

SCDHS - 12/18/14

utilizing USEPA method 350.1 for Ammonia; USEPA method 300.1 for Nitrates; USEPA method 353.2/354.1 for Nitrites; and USEPA method 300.0 for Chlorides.

Volatile Organic Compounds

Samples from the monitoring wells will be analyzed for Volatile Organic Compounds by the PEHL in accordance with “Standard Operating Procedure for Head Space Screening for Volatile Organic Compounds in Aqueous Samples” (USEPA, 2002). The samples will be stored on ice at 4 °C and transported to the PEHL for analysis using USEPA method 524.2 (USEPA, 1995).

Semi-Volatile Organic Compounds

Samples from the monitoring wells will be analyzed for Semi-Volatile Organic Compounds by the SCPEHL following the “Standard Operating Procedure for Sampling for Semi Volatile Organic Compounds in Aqueous Samples” (USEPA, 2002). The samples will be stored on ice at 4 °C and transported to the PEHL for analysis using USEPA method 525.2 (USEPA, 1995)

Metals

Samples from the monitoring wells will be analyzed by the PEHL following the “Standard Operating Procedure for Metals for in Aqueous Samples” (USEPA, 2002). The samples will be stored on ice at 4 °C and transported to the PEHL for analysis using USEPA method 200.8 (USEPA, 1995).

Pesticides

Samples from the profile wells will be analyzed for pesticides by the PEHL following the “Standard Operating Procedure for Sampling for Pesticide Compounds in Aqueous Samples” (USEPA, 2002). The samples were stored on ice at 4 °C and transported to the PEHL for validation analysis by USEPA methods 505, 531.1, SM21 6610B, LC-MS and SCM method developed at PEHL.

Radiology

Samples from the profile wells will be analyzed for radiation by the PEHL. The samples were stored on ice at 4 °C and transported to the PEHL for validation analysis by USEPA methods 906.0, 900.0 and SM207110C.

TABLE 2

PROPOSED TEMPORARY WELL INSTALLATION FOR ROBERTO CLEMENTE PARK, BRENTWOOD					
Well Number	Installation Method	Casing Diameter(inches)	Well Depth (feet)	Initial Screen Zone(fbgs)	Sump Zone(fbgs)
RC-1	Auger	2	75	65-70	70-75
RC-2	Geoprobe	1	70	65-70	None
RC-3	Geoprobe	1	70	65-70	None
RC-4	Geoprobe	1	70	65-70	None
RC-5	Geoprobe	1	70	65-70	None
RC-6	Geoprobe	1	70	65-70	None
RC-7	Geoprobe	1	50	45-50	None
RC-8	Geoprobe	1	50	45-50	None
RC-9	Geoprobe	1	50	45-50	None
RC-10	Geoprobe	1	50	45-50	None
RC-11	Auger	2	75	65-70	70-75
RC-12	Auger	2	105	95-100	100-105
RC-13**	Auger	2	35	25-30	30-35
RC-14	Auger	2	75	65-70	70-75

*fbgs-feet below ground surface

**RC-13 is a water table well and will not be pulled or sampled.

The rest of the wells will be installed at the depth listed in the table and each well will be pulled to the top of the water table by ten foot intervals. All wells will be left at the top of the water table.

HEALTH AND SAFETY PLAN (HASP)

SCDHS drill crews will wear hard hats, steel toe safety boots, work gloves, ear and eye protection and safety vest. SCDHS sampling personnel will wear hard hats, steel toe safety boots, nitrile gloves, ear and eye protection and safety vest.

In addition, we were informed during a recent discussion with a representative from Enviroscience Consultants, the consulting firm that installed and sampled three monitoring wells at the Roberto Clemente site, that no special personal protective equipment (PPE) was used.



Legend

- Proposed SCDHS Profile Well
- ▲ Proposed SCDHS Monitoring Well (Water Table Elevation Measurement Only)
- Existing Islip Town Monitoring Well

SCDHS Office of Water Resources
December 16, 2014

Intro. Res. 2016

Res. No. 1084

December 2, 2014

Motion:

Krupski, Schneiderman, Browning, Muratore, Hahn
 Anker, Calarco, Lindsay, Martinez, Cilmi, Barraga, Kennedy
 Trotta, McCaffrey, Gregory, Stern, D'Amaro, Spencer

Co-Sponsors:

Krupski, Schneiderman, Browning, Muratore, Hahn
 Anker, Calarco, Lindsay, Martinez, Cilmi, Barraga, Kennedy
 Trotta, McCaffrey, Gregory, Stern, D'Amaro, Spencer

Second:

Krupski, Schneiderman, Browning, Muratore, Hahn
 Anker, Calarco, Lindsay, Martinez, Cilmi, Barraga, Kennedy
 Trotta, McCaffrey, Gregory, Stern, D'Amaro, Spencer

LD	Legislator	Yes	No	Abs	NP	R
1	Albert J. KRUPSKI					
3	Kate M. BROWNING					
4	Thomas MURATORE					
5	Kara HAHN					
6	Sarah S. ANKER					
7	Rob CALARCO					
8	William J. LINDSAY, III					
9	Monica R. MARTINEZ					
10	Thomas CILMI					
11	Thomas F. BARRAGA					
12	John M. KENNEDY, JR.			/		
13	Rob TROTTA					
14	Kevin J. MCCAFFREY					
16	Steven H. STERN					
17	Lou D'AMARO					
18	William SPENCER					
2	Jay SCHNEIDERMAN, D.P.O					
15	DuWayne GREGORY, P.O.					
Totals		17	1			

MOTION
<input checked="" type="checkbox"/> Approve
Table: _____
<input type="checkbox"/> Send To Committee
<input type="checkbox"/> Table Subject To Call
<input type="checkbox"/> Lay On The Table
<input type="checkbox"/> Discharge
<input type="checkbox"/> Take Out of Order
<input type="checkbox"/> Reconsider
<input type="checkbox"/> Waive Rule _____
<input type="checkbox"/> Override Veto
<input type="checkbox"/> Close
<input type="checkbox"/> Recess
APPROVED <input checked="" type="checkbox"/> FAILED _____
No Motion _____ No Second _____

RESOLUTION DECLARED
<input checked="" type="checkbox"/> ADOPTED
<input type="checkbox"/> NOT ADOPTED

Tim Laube

Tim Laube, Clerk of the Legislature

Roll Call _____ Voice Vote

Appendix I

Intro. Res. No. 2016-2014

Laid on Table 11/18/2014

Introduced by Legislators Martinez, Hahn, Barraga, Lindsay, Gregory and Stern

RESOLUTION NO. 1084 -2014, DIRECTING THE DEPARTMENT OF HEALTH SERVICES TO CONDUCT GROUNDWATER TESTS FOR TOXIC CHEMICALS AT ROBERTO CLEMENTE PARK IN BRENTWOOD

WHEREAS, 50,000 tons of contaminated fill was dumped at the Roberto Clemente Park in Brentwood; and

WHEREAS, the Suffolk County District Attorney is also investigating illegal dumping of contaminated fill at Sampawams Creek, Babylon, Sage Street at Route 111 in Central Islip and on Veterans Way in Islandia; and

WHEREAS, the full extent of the environmental damage caused by this illegal dumping has not yet been determined; and

WHEREAS, residents of Brentwood are justifiably concerned about the health and environmental risks posed by the unprecedented illegal dumping in the middle of their community; and

WHEREAS, Brentwood residents are concerned that groundwater testing in the vicinity of the Park is not being conducted properly; and

WHEREAS, groundwater tests conducted by an entity independent of town government would be accepted as credible by community residents; and

WHEREAS, the Suffolk County Department of Health Services regularly conducts groundwater tests to detect health hazards and protect public safety; and

WHEREAS, the Department of Health Services should test the groundwater at Roberto Clemente Park and determine whether similar testing should be conducted at other sites where dumping has occurred; now, therefore be it

1st RESOLVED, that the Suffolk County Department of Health Services is hereby authorized, empowered and directed to determine the direction of groundwater flow in the vicinity of Roberto Clemente Park in Brentwood and to install groundwater monitoring wells south of the recharge basin in the Park to test for the presence of toxins including, but not limited to, antimony, arsenic, cadmium, chromium, lead, copper, zinc and cobalt along with dangerous pesticides chlordane, DDT and Dieldrin; and be it further

2nd RESOLVED, that the Department of Health Services is directed to keep the community informed of their testing program through public meetings, news releases and other types of community outreach; and be it further

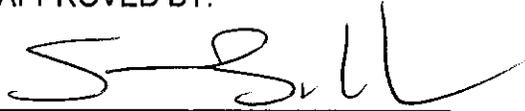
3rd RESOLVED, that the Department of Health Services is directed to investigate and determine whether groundwater testing should be conducted at Sampawams Creek, Sage Street/Route 111 and Veterans Highway; the Department will notify this Legislature of their determination within 45 days of the effective date of this resolution; and be it further

Appendix I

4th **RESOLVED**, that this Legislature, being the State Environmental Quality Review Act (SEQRA) lead agency, hereby finds and determines that this resolution constitutes a Type II action pursuant to Section 617.5(c)(20), (21) and (27) of Title 6 of the NEW YORK CODE OF RULES AND REGULATIONS (6 NYCRR) and within the meaning of Section 8-0109(2) of the NEW YORK ENVIRONMENTAL CONSERVATION LAW as a promulgation of regulations, rules, policies, procedures, and legislative decisions in connection with continuing agency administration, management and information collection, and the Suffolk County Council on Environmental Quality (CEQ) is hereby directed to circulate any appropriate SEQRA notices of determination of non-applicability or non-significance in accordance with this resolution.

DATED: December 2, 2014

APPROVED BY:



County Executive of Suffolk County

Date: 12/05/14

Appendix I
COUNTY OF SUFFOLK



STEVEN BELLONE
SUFFOLK COUNTY EXECUTIVE

DENNIS M. BROWN
COUNTY ATTORNEY

DEPARTMENT OF LAW
DIVISION OF RISK MANAGEMENT

Certificate of Insurance

Coverage Dates: December 15, 2014 – March 15, 2015

Issued To As Town of Islip
Additional Insured: 655 Main St, Islip NY 11751

Purpose: Coverage for installation and sampling of 8 profile monitoring wells using Geoprobe 7822DT track mounted direct push machine

Location: Roberto Clemente Park, 400 Broadway, Brentwood.

Amount of Coverage: \$1,000,000 per occurrence combined single limit for Bodily Injury and Property Damage for Commercial General Liability. This insurance is excess over any other valid and collectible insurance except insurance that is written specifically as excess over the limits of liability that apply in this policy.

This is to certify that coverage is afforded by:

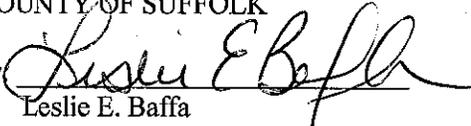
Self Insured: County of Suffolk

Address: Risk Management Division
P.O. Box 6100, H. Lee Dennison Building
Hauppauge, New York 11788-0099

Risks Covered: To the extent permitted by law, the COUNTY shall defend and indemnify and hold you harmless from and against all claims, costs, losses and liabilities arising out of the acts or omissions or negligence of the COUNTY, its agents or employees in connection with the use of the location at the time and for the purpose described or referred to in this Certificate. This insurance is excess over any other valid and collectible insurance except insurance that is written specifically as excess over the limits of liability that apply in this policy.

COUNTY OF SUFFOLK

Dated: December 8, 2014

By 
Leslie E. Baffa
Risk Management Administrator

Appendix II

Sampawams Creek Sampling Results

Appendix II

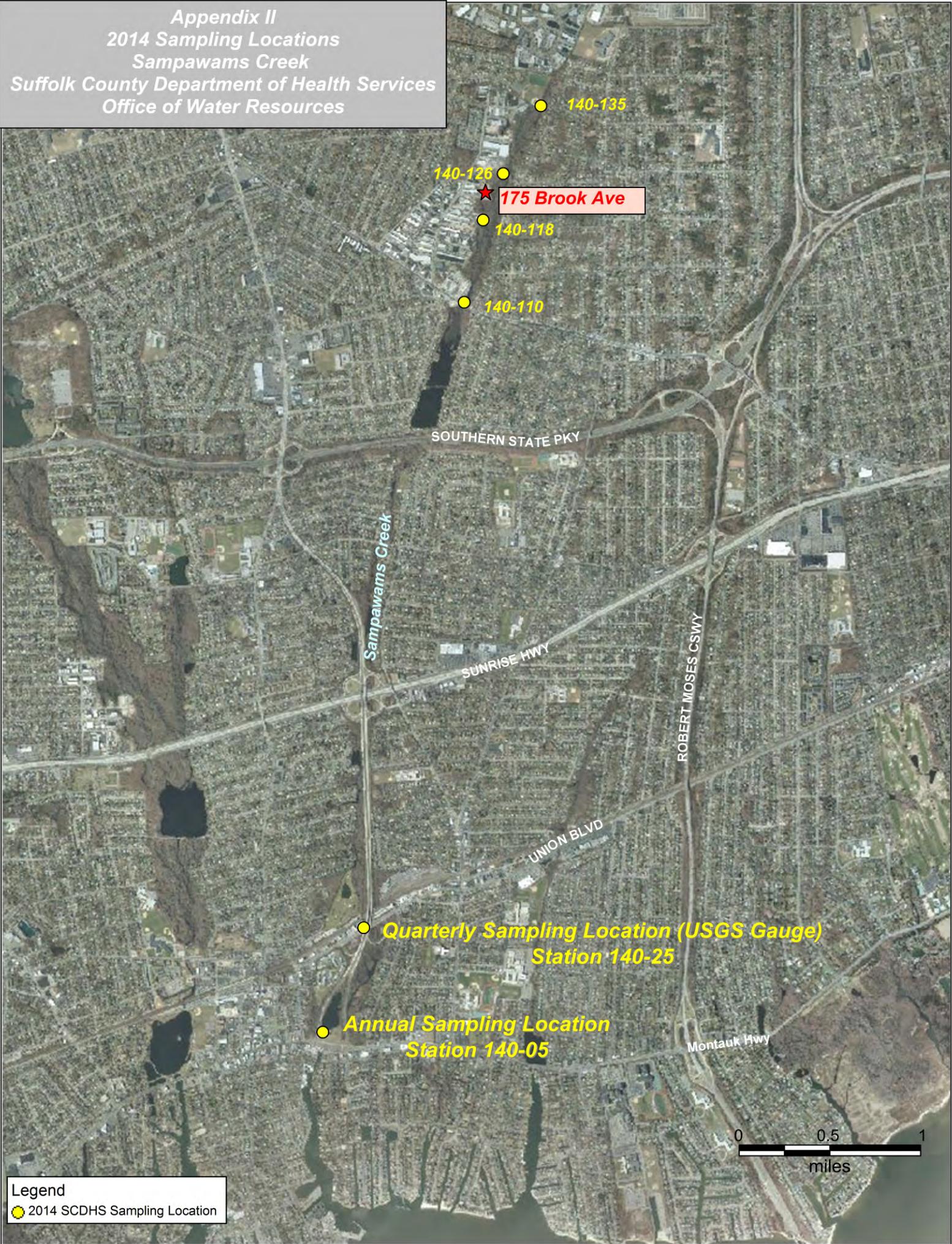
Sample Information		Parameters				Metals														
Station ID	Sample Date	Dissolved Oxygen (mg/L)	Temperature (Celsius)	pH	Conductivity (uS)	Lithium (ppb)	Aluminum (ppb)	Barium (ppb)	Cobalt (ppb)	Manganese (ppb)	Nickel (ppb)	Strontium (ppb)	Titanium (ppb)	Lead (ppb)	Zinc (ppb)	Magnesium (ppm)	Iron (ppm)	Sodium (ppm)	Calcium (ppm)	Potassium (ppm)
140-135	6/2/2014	1.36	14.6	7.6	271	<1	81	31	<1	849	1	80	3	<1	9	3.3	2.13	17.9	22.3	4.3
140-126	6/17/2014	5.34	19.4	7.4	289	<1	12	48	<1	838	1.5	93	<1	<1	<5	3.8	0.76	21.9	25	4.3
140-118	6/3/2014	6.3	19	7.4	304	<1	294	57	1	307	1.9	129	2	1	256	3.8	0.59	23	26.3	4.4
140-110	6/2/2014	8.3	21.4	7.5	278	1	27	57	<1	797	1.8	103	<1	<1	5	3.5	0.33	20.8	20.4	NR
140-25	9/15/2014	6.74	16.8	7	252	2	40	26	<1	451	0.6	79	<1	1	31	3.2	0.54	22.9	14.2	3.3
	6/18/2014	6.29	21.2	7.1	271	2	27	27	<1	486	0.6	83	<1	1	<5	3.4	0.91	25.7	15.6	3.7
	3/24/2014	9.15	10.3	7	258	2	19	30	<1	610	0.7	80	<1	<1	<5	3.3	0.56	25.5	14.9	3.2
140-05	7/14/2014	NA	10.3	7.1	266	2	11	25	<1	415	0.6	78	<1	<1	<5	3.4	0.68	26.4	15.1	4.4

Sample Information		Rads (pCi/L)		Standard Inorganics					VOCs		Herb Mets (ppb)				
Station ID	Sample Date	Gross Alpha	Gross Beta	Chloride (ppm)	Sulfate (ppm)	Nitrate (ppm)	Ammonia (ppm)	Total Alkalinity (mg CaCO3/L)	Methyl sulfide (ppb)	Tetrachloroethene (ppb)	Ibuprofen	Bisphenol A	Caffeine	DEET	4-Hydroxyphenytoin
140-135	6/2/2014	NA	NA	29	<20	<2	1.11	61	0.5	0.5	Trace	<0.2	<0.2	<0.2	<0.5
140-126	6/17/2014	NA	NA	35	25	3.3	<0.5	45	<0.5	<0.5	Trace	<0.2	<0.2	<0.2	<0.5
140-118	6/3/2014	NA	NA	38	20	3.3	<0.5	48	<0.5	<0.5	Trace	<0.2	<0.2	<0.2	<0.5
140-110	6/2/2014	<1	3.3± 0.1	34	26	2.5	<0.5	39	<0.5	<0.5	<0.2	<0.2	Trace	Trace	<0.5
140-25	9/15/2014	NA	NA	38	<20	<2	<0.5	28	<0.5	<0.5	<0.2	<0.2	<0.2	<0.2	<0.5
	6/18/2014	NA	NA	44	17	1.5	<0.5	32	<0.5	<0.5	<0.2	<0.2	<0.2	<0.2	<0.5
	3/24/2014	NA	NA	43	17	1.7	<0.5	30	0.5	0.5	<0.2	<0.2	<0.2	<0.2	<0.5
140-05	7/14/2014	NA	NA	48	<50	<5	<0.5	33	1.6	<0.5	<0.2	Trace	<0.2	<0.2	Trace

NA = Not Analyzed
 NR = Not Reported

The SCDHS sampling results did not exceed any surface water standards; however, there were notable detections of lead, cobalt and zinc in the vicinity of the Brook Avenue site. Based upon the limited data set, no definitive conclusions can be drawn at this time. Additional sampling is recommended.

Appendix II
2014 Sampling Locations
Sampawams Creek
Suffolk County Department of Health Services
Office of Water Resources



Legend
● 2014 SCDHS Sampling Location