



Geotechnical
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**Quarterly Groundwater Monitoring Report
Fourth Quarter (Q4) 2014**

**Sag Harbor
Former MGP Site**

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Suffolk County, Long Island, New York
Site ID No. 1-52-159

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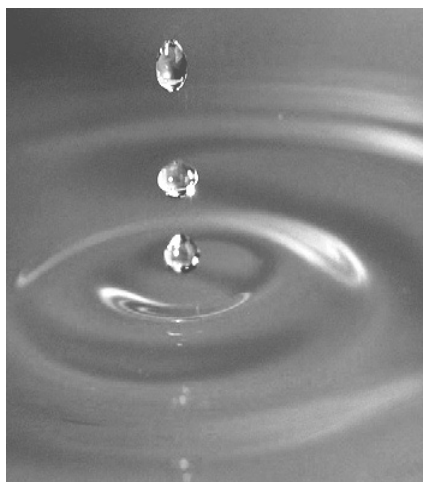


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1. Sag Harbor Site and Adjacent Offsite Areas

Fourth Quarter (Q4) 2014 Groundwater Monitoring Event Summary

Event Date: December 12 and 18, 2014

Site Phase: Quarterly groundwater monitoring

Location: The location of the Sag Harbor Former MGP site is depicted on **Figure 1**.

Monitoring Program

Criteria to reduce the scope of the groundwater monitoring program based on historical and future analytical results were proposed, and subsequently approved by the New York State Department of Environmental Conservation (NYSDEC) on March 21, 2014. The criteria and the resulting reductions to the program were detailed in a follow-up letter to NYSDEC dated May 13, 2014. NYSDEC has required that several monitoring wells in the intermediate zone be exempt from reduction criteria and be sampled annually. These wells include SHMW-03I, SHMW-05I, and SHMW-08I.

Based on the established criteria, eight wells in the intermediate or deep zones were eliminated from the sampling program and five shallow wells were reduced to annual sampling. The reductions in the scope of work are shown in the table below. Going forward, the sampling list will be re-evaluated on a quarterly basis, with changes made, as appropriate.

Monitoring Well	Sampling Frequency		Monitoring Well	Sampling Frequency	
	Former	Current		Former	Current
SHMW-01SR	Quarterly	Annual	SHMW-02DR	Annual	Eliminated
SHMW-02S	Quarterly	Annual	SHMW-07IR	Annual	Eliminated
SHMW-03S	Quarterly	Annual	SHMW-10I	Annual	Eliminated
SHMW-10S	Quarterly	Annual	SHMW-11I	Annual	Eliminated
SHMW-13S	Quarterly	Annual	SHMW-12I	Annual	Eliminated
SHMW-01IR	Annual	Eliminated	SHMW-13I	Annual	Eliminated
SHMW-01D	Annual	Eliminated			

Implementation of the reduced sampling scope began in Q2 2014. Based on a review of seasonal data trends, the annual sampling rounds are to be conducted during the third quarter of each year. Seven wells were included in the Q4 2014 quarterly sampling list.

Monitoring Well Network

A total of 25 monitoring wells are currently located at or in the vicinity of the site (**Figure 2**). MW-05 was destroyed sometime between March and June 2007. Monitoring wells MW-01, MW-02, MW-03, MW-04, MW-06, SHMW-01S, SHMW-01I, SHMW-02I, SHMW-02D, SHMW-04S, SHMW-04I, SHMW-05S, SHMW-05I, SHMW-06S, and SHMW-06I were abandoned prior to the Q4 2008 sampling event due to the remediation activities being conducted at the site. Seven of the monitoring wells, including SHMW-01SR, SHMW-01IR, SHMW-02IR, SHMW-02DR, SHMW-04SR, SHMW-05SR, and SHMW-05IR were replaced as part of the post-remediation monitoring well replacement/installation program in Q4 2010.

Monitoring wells SHMW-02IR and SHMW-04SR were installed as larger diameter wells for potential dense non-aqueous phase liquid (DNAPL) recovery. In addition to the installation of the replacement monitoring wells listed above, new monitoring wells SHMW-01D and SHMW-02S were also installed as part of this program. Monitoring wells SHMW-07S and SHMW-07I, which were damaged presumably during the remedial activities, were abandoned during the replacement well installation program and reinstalled.

Hydrological Data

Groundwater levels were measured on December 12, 2014 at 24 of the 25 monitoring wells, during low and high tides. Monitoring well SHMW-02IR was repaired during Q3 2011, altering the survey point. As a result, a groundwater level measurement was not taken. Depth to groundwater and calculated groundwater elevations are provided in **Table 1**. Shallow and intermediate groundwater contours for high and low tidal conditions are depicted on **Figures 3 through 6**.

The groundwater flow direction was generally to the west towards Sag Harbor Cove. The ranges in depth to water and water table elevation data, as well as calculated hydraulic gradients for the shallow and intermediate portions of the aquifer in Q4 2014, are provided in the following table:

Depth Zone	High Tide			Low Tide		
	Range		Gradient ³	Range		Gradient ³
	DTW ¹	WLE ²		DTW ¹	WLE ²	
Shallow	0.00 – 3.46	1.43 – 3.69	0.0005	0.00 – 4.20	0.55 – 3.69	0.0021
Intermediate	0.00 – 4.56	1.07 – 2.90	0.0021	0.00 – 5.03	0.54 – 2.24	0.0026

Notes:

¹: Depth to water - Measured as feet below top of casing

²: Water level elevation - Calculated as feet above mean sea level

³: Feet/Feet

NAPL Thickness Data

Table 2 provides a summary of historical non-aqueous phase liquid (NAPL) data. In Q4 2014, all of the 25 monitoring wells were monitored for NAPL as part of the groundwater monitoring program. Evidence of light non-aqueous phase liquid (LNAPL) or DNAPL in any

of the monitoring wells during Q4 2014 was limited to approximately one-inch of DNAPL observed at monitoring well SHMW-07SR.

Chemical Data

In Q4 2014, a total of seven wells were sampled for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and methyl tert-butyl ether (MTBE) by Environmental Protection Agency (EPA) Method 8260, and for polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270. Well sampling was performed on December 18, 2014 and included all wells on the reduced quarterly sampling list.

Chemical data for Q4 2014 (**Table 3**) indicate:

- BTEX concentrations ranged from below method detection limits (ND) in SHMW-11S to 840 micrograms per liter (µg/L) in SHMW-07SR.
- Total PAH concentrations ranged from 121 µg/L in monitoring well SHMW-05SR to 904 µg/L in SHMW-07SR.
- MTBE concentrations were ND in each of the wells sampled, excluding an estimated detection of 5 µg/L in SHMW-08S.

Data Trend Analysis

In general, BTEX concentrations (see historical data in **Tables 4** and **5**) have been generally decreasing in shallow groundwater on and adjacent to the site. Average shallow total PAH concentrations had been increasing in recent sampling events, prior to decreasing during Q4 2014. An analysis of the current and historical data is presented in the table below.

Shallow Zone	Historical*		Q2 2014**		Q3 2014		Q4 2014**	
	Max	Average	Max	Average	Max	Average	Max	Average
BTEX	25,860	1,338	1,991	411	3,508	385	840	195
Total PAHs	12,876	1,020	5,945	1,140	12,876	1,412	904	329

Notes:

Concentrations in µg/L

* Includes data from wells on current sampling list only

** Includes data from the reduced quarterly sampling list

Concentrations of BTEX were identified in six of the seven shallow monitoring wells sampled in Q4 2014. BTEX was ND in monitoring well SHMW-11S. The concentrations in monitoring wells SHMW-05SR (9 µg/L) and SHMW-08S (5 µg/L) were near detection levels. The Q4 2014 detections in these wells were at or below their respective historical mean concentration.

Elevated BTEX concentrations were identified in the remaining shallow wells in Q4 2014 including SHMW-04SR (302 µg/L), SHMW-07SR (840 µg/L), SHMW-09S (53 µg/L), and SHMW-12S (159 µg/L). The Q4 2014 concentrations in SHMW-04SR, SHMW-07SR, and SHMW-09S decreased relative to recent sampling events. The concentration in SHMW-12S increased from the previous last quarter, but was similar to recent sampling events. The

concentrations in each of these wells were below their respective historical mean concentration and have been generally varied.

Elevated detections of total PAHs were identified in each of the seven shallow monitoring wells sampled during Q4 2014. Total PAH concentrations in Q4 2014, ranged from 121 µg/L in SHMW-05SR to 904 µg/L in SHMW-07SR. The concentrations in SHMW-04SR (309 µg/L), SHMW-05SR, SHMW-07SR, SHMW-08S (160 µg/L), SHMW-09S (360 µg/L), and SHMW-12S (247 µg/L) all decreased relative to Q3 2014. Excluding SHMW-08S, the concentrations in each of these wells was similar to, or below their respective historical means. The concentration in SHMW-11S increased during Q4 2014, reaching a historical high of 201 µg/L. Prior to Q4 2014, the concentrations in SHMW-11S had been at or near detection levels since Q1 2005.

DNAPL Occurrence

The historical NAPL data (**Table 2**) indicates that measurable quantities of NAPL have primarily been found in two onsite shallow monitoring wells (MW-02 and MW-05), one onsite intermediate well (SHMW-02I), and one offsite shallow well (SHMW-04S). Non-measurable (trace) amounts of NAPL have historically been found in two onsite shallow wells, MW-03 and MW-04, as well as in offsite shallow well SHMW-06S, and was intermittently found in SHMW-07S. All of the wells identified above in which NAPL has been historically detected were either destroyed or abandoned prior to, or during, remedial activities.

No measurable amounts of LNAPL and DNAPL were found in replacement monitoring wells SHMW-04SR and SHMW-07SR during the first three monitoring events following the installation of these wells. To date, no significant evidence of NAPL has been found in these monitoring wells or any of the remaining monitoring wells since Q2 2011, with one exception: approximately six inches of DNAPL were measured in well SHMW-02IR during Q4 2013. As mentioned above, SHMW-02IR was installed to replace SHMW-02I, which was abandoned prior to the Q4 2008 sampling event due to the remediation activities being conducted at the site. DNAPL thicknesses in SHMW-02I reached a maximum of approximately 4 feet immediately prior to abandonment during the Q3 2008 monitoring event. SHMW-02IR was installed as a larger diameter well for potential DNAPL recovery. No DNAPL was observed in this well during Q1 or Q2 2014. Thicknesses in this well will continue to be monitored during future sampling events. As discussed above, approximately one-inch of DNAPL was observed at monitoring well SHMW-07SR during Q4 2014.

Future Plans

- Continue quarterly groundwater and NAPL monitoring at onsite and offsite monitoring wells.

Tables

Table 1. Water Level Measurements and Calculated Groundwater Elevations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q4 2014

Well ID	Top of Casing Elevation (ft)*	Tide	Time	12/12/2014		Notes
				Depth to Water (ft)	Groundwater Elevation (ft)	
SHMW-01SR	3.71	High	1419	2.10	1.61	Well replaced in Q4 2010
		Low	0806	2.10	1.61	
SHMW-01IR	3.81	High	1419	1.85	1.96	Well replaced in Q4 2010
		Low	0812	2.15	1.66	
SHMW-01D	3.67	High	1420	1.70	1.97	Well installed in Q4 2010
		Low	0814	1.74	1.93	
SHMW-02S	3.95	High	1412	2.05	1.90	Well installed in Q4 2010
		Low	0806	1.96	1.99	
SHMW-02IR	3.92	High	NM	NM	NC	Survey point altered
		Low	NM	NM	NC	
SHMW-02DR	3.66	High	1415	1.54	2.12	Well replaced in Q4 2010
		Low	0807	1.95	1.71	
SHMW-03S	3.83	High	1429	2.40	1.43	
		Low	0830	2.51	1.32	
SHMW-03I	3.85	High	1428	1.74	2.11	
		Low	0831	2.40	1.45	
SHMW-04SR	3.90	High	1423	2.20	1.70	Well replaced in Q4 2010
		Low	0817	2.26	1.64	
SHMW-05SR	5.03	High	1425	2.80	2.23	Well replaced in Q4 2010
		Low	0826	2.50	2.53	
SHMW-05IR	4.96	High	1426	2.90	2.06	Well replaced in Q4 2010
		Low	0826	3.20	1.76	
SHMW-07SR	3.48	High	1442	0.00	3.48	
		Low	0858	0.00	3.48	
SHMW-07IR	3.38	High	1442	1.14	2.24	
		Low	0857	1.20	2.18	
SHMW-08S	3.69	High	1445	0.00	3.69	
		Low	0900	0.00	3.69	
SHMW-08I	3.79	High	1444	1.31	2.48	
		Low	0900	1.83	1.96	
SHMW-09S	3.06	High	NM	NM	NC	No Access
		Low	NM	NM	NC	
SHMW-09I	2.82	High	1434	1.45	1.37	
		Low	0847	1.19	1.63	
SHMW-10S	4.75	High	1432	1.72	3.03	
		Low	0835	4.20	0.55	
SHMW-10I	4.75	High	1431	3.15	1.60	
		Low	0834	4.21	0.54	
SHMW-11S	5.32	High	1436	3.46	1.86	
		Low	0834	3.85	1.47	
SHMW-11I	5.63	High	1434	4.56	1.07	
		Low	0837	5.03	0.60	
SHMW-12S	1.98	High	1440	0.00	2.10	
		Low	0852	0.00	2.18	
SHMW-12I	1.99	High	1440	0.00	2.14	
		Low	0852	0.00	2.24	
SHMW-13S	3.36	High	1448	0.00	3.36	
		Low	0903	0.00	3.36	
SHMW-13I	3.50	High	1447	0.60	2.90	
		Low	0902	1.30	2.20	

General Notes:

* Elevations were re-surveyed in November 2010.

NM = Not Measured

NC = Not Calculated

Table 2. Summary of Historical NAPL Observations
Sag Harber Former MGP Site
Groundwater Monitoring Program - Q4 2014

Well ID	May 2002 Observations	May 2004 Observations	Aug 2004 Observations	Oct 2004 Observations	Nov 2004 Observations	Dec 2004 Observations	Jan 2005 Observations	Feb 2005 Observations	Mar 2005 Observations
MW-01	None Observed	Odor	None Observed	Not Checked	NR	NR	NR	NR	NR
MW-02	Approx. 0.16' of DNAPL, sheen on surface	Approx. 0.15' of DNAPL, sheen on surface	Approx. 0.29' of DNAPL	Approx. 0.2' of DNAPL	Approx. 0.01' of DNAPL, 1.0' intermittent DNAPL	Approx. 0.1' of DNAPL	Approx. 0.11' of DNAPL	Approx. 0.16' of DNAPL	Approx. 0.15' of DNAPL
MW-03	Intermittent DNAPL for 1.5'	Approx. 0.03' of DNAPL, naphthalene-like odor	NR	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape
MW-04	None Observed	Approx. 0.02' of DNAPL, naphthalene-like odor	NR	Trace DNAPL at bottom of tape	None Observed	None Observed	Trace DNAPL at bottom of tape	Not Checked (under snow pile)	None Observed
MW-05	Blebs of LNAPL	Approx. 1.0' of DNAPL, naphthalene-like odor	Approx. 0.75' of DNAPL	Approx. 4.5' of LNAPL/NAPL	Approx. 0.35' of DNAPL, 3.6' intermittent DNAPL	Trace DNAPL at bottom of tape, bubbles in WC	Trace DNAPL at bottom of tape	Approx. 0.6' of DNAPL, approx. 0.02' of LNAPL	Sporadic DNAPL, approx. 0.1' of LNAPL.
MW-06	None Observed	Slight naphthalene-like odor	NR	NR	NR	NR	NR	NR	NR
SHMW-01S/01SR	None Observed	Slight naphthalene-like odor	NR	NR	NR	NR	NR	NR	NR
SHMW-01I/01IR	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-01D	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02S	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02I/02IR	None Observed	Approx. 4.9' of DNAPL, sheen	Approx. 4.7' of DNAPL	Approx. 4.9' of DNAPL	Approx. 1.0' of DNAPL, 3.0' intermittent DNAPL	Approx. 0.6' of DNAPL	Approx. 0.65' of DNAPL	Approx. 0.5' of DNAPL	Approx. 0.45' of DNAPL
SHMW-02D/02DR	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-03S	None Observed	Odor	NR	NR	NR	NR	NR	NR	NR
SHMW-03I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-04S/04SR	None Observed	Approx. 0.6' of DNAPL, naphthalene-like odor	NR	Approx. 0.7' of DNAPL, 2.3' intermittent DNAPL	Approx. 0.55' of DNAPL	Approx. 0.29' of DNAPL	Approx. 0.35' of DNAPL	Approx. 0.22' of DNAPL	Approx. 0.25' of DNAPL
SHMW-04I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-05S/05SR	None Observed	Blebs of DNAPL in purge water, odor	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q4 2014

Well ID	May 2002 Observations	May 2004 Observations	Aug 2004 Observations	Oct 2004 Observations	Nov 2004 Observations	Dec 2004 Observations	Jan 2005 Observations	Feb 2005 Observations	Mar 2005 Observations
SHMW-05I/05IR	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-06S	Slight sheen and naphthalene-like odor	Naphthalene-like odor	NR	NR	NR	NR	NR	NR	NR
SHMW-06I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-07S/07SR	Sheen and naphthalene-like odor	Slight odor	NR	NR	NR	NR	NR	NR	NR
SHMW-07I/07IR	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-08S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-08I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-09S	None Observed	Slight naphthalene- like odor	NR	NR	NR	NR	NR	NR	NR
SHMW-09I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-10S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-10I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-11S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-11I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-12S	None Observed	Sheen, strong sulfur- like odor	NR	NR	NR	NR	NR	NR	NR
SHMW-12I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-13S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-13I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR

**Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q4 2014**

Well ID	Apr/Q1 2005 Observations	Jun/Q2 2005 Observations	Sep/Q3 2005 Observations	Dec/Q4 2005 Observations	Mar/Q1 2006 Observations	Jun/Q2 2006 Observations	Sep/Q3 2006 Observations	Dec/Q4 2006 Observations	Mar/Q1 2007 Observations
MW-01	NR	NR	NR	NR	NR	NR	NR	NR	NR
MW-02	Approx. 0.15' of DNAPL	Trace DNAPL at bottom of tape	Approx. 0.13' of DNAPL	Approx. 0.09' DNAPL, naphthalene-like odor	Approx. 0.01' DNAPL	Approx. 0.12 ' of DNAPL	Approx. 0.15' DNAPL	Approx. 0.10' DNAPL	Approx.0.20' DNAPL
MW-03	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	None, naphthalene-like odor	No DNAPL observed	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	No DNAPL observed	Trace DNAPL (coating on tubes)
MW-04	None Observed	None Observed	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	Trace DNAPL	Trace DNAPL	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)
MW-05	Sporadic DNAPL, approx. 0.1' of LNAPL	Approx. 3.0' of DNAPL	Approx. 0.75' of DNAPL, approx. 0.12' of LNAPL	DNAPL blebs in purge H2O, 0.5' DNAPL coating on tubes	Approx. 0.15' of DNAPL, approx. 0.1' of LNAPL	Approx. 0.22' DNAPL; 0.05' of LNAPL	Approx. 0.55' DNAPL; 0.06' of LNAPL	Trace LNAPL; DNAPL in purge water (not measurable)	Trace LNAPL; DNAPL in purge water (not measurable)
MW-06	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-01S/01SR	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-01I/01IR	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-01D	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02S	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02I/02IR	Approx. 1.1' of DNAPL	Approx. 0.75' of DNAPL	Approx. 0.4' of DNAPL	Approx. 1.3' of DNAPL, naphthalene-like odor	Approx. 0.35' of DNAPL	Approx. 0.43' of DNAPL	Approx. 0.5' of DNAPL	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)
SHMW-02D/02DR	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-03S	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-03I	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-04S/04SR	Approx. 0.25' of DNAPL	Approx. 0.90' of DNAPL	Approx. 0.26' of DNAPL	Approx. 0.5' DNAPL, naphthalene-like odor	Approx. 0.25' of DNAPL	Approx. 0.5' of DNAPL	Approx. 0.25' of DNAPL	Approx. 0.30' of DNAPL	Approx.0.40' DNAPL
SHMW-04I	NR	NR	NR	NR	NR	NR	NR	NR	None Observed
SHMW-05S/05SR	None Observed	None Observed	None Observed	None Observed	No DNAPL observed	None Observed	None Observed	None Observed	None Observed

**Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q4 2014**

[illegible]

**Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q4 2014**

Well ID	Jun/Q2 2007 Observations	Sep/Q3 2007 Observations	Dec/Q4 2007 Observations	Mar/Q1 2008 Observations	Jun/Q2 2008 Observations	Sep/Q3 2008 Observations	Dec/Q4 2008 Observations	Mar/Q1 2009 Observations	Jun/Q2 2009 Observations
MW-01	NR	NR	None Observed	None Observed	Trace DNAPL	Trace DNAPL (at bottom of tubing)	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
MW-02	Approx.0.07' DNAPL	Approx. 0.11' DNAPL	Approx. ~0.08'	Trace DNAPL	Moderate DNAPL; not measureable	Trace DNAPL	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
MW-03	None Observed	Trace DNAPL (coating on tubes)	Trace	Trace DNAPL (On bottom 1.5' of tubes)	Trace DNAPL	Trace DNAPL (0.05' at bottom of tubing)	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
MW-04	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Approx. ~0.02'	NR	Trace DNAPL	Trace DNAPL (at bottom of tubing)	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
MW-05	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed
MW-06	NR	NR	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
SHMW-01S/01SR	NR	NR	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
SHMW-01I/01IR	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
SHMW-01D	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02S	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02I/02IR	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Approx. ~0.60'	Approx. 3' DNAPL	Approx. 1.5' DNAPL	Approx. 4' DNAPL	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
SHMW-02D/02DR	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
SHMW-03S	NR	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-03I	NR	NR	None Observed	NR	NR	NR	None Observed	NR	None Observed
SHMW-04S/04SR	Approx.0.50' DNAPL	Approx. 0.5' DNAPL	Approx. ~0.61'	Approx. 1.05' DNAPL	Approx.0.6' DNAPL	Approx.0.75' DNAPL	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
SHMW-04I	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
SHMW-05S/05SR	None Observed	NR	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q4 2014

Well ID	Jun/Q2 2007 Observations	Sep/Q3 2007 Observations	Dec/Q4 2007 Observations	Mar/Q1 2008 Observations	Jun/Q2 2008 Observations	Sep/Q3 2008 Observations	Dec/Q4 2008 Observations	Mar/Q1 2009 Observations	Jun/Q2 2009 Observations
SHMW-05I/05IR	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
SHMW-06S	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace	Trace DNAPL (on tubing)	Trace DNAPL	Trace DNAPL (on tubing)	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
SHMW-06I	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned
SHMW-07S/07SR	NR	NR	Trace	NR	NR	Trace DNAPL (on side of tubing approx 1' off bottom)	Well Inaccessible or Abandoned	Well Inaccessible	None Observed
SHMW-07I/07IR	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Inaccessible	None Observed
SHMW-08S	NR	NR	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Inaccessible	None Observed
SHMW-08I	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Inaccessible	None Observed
SHMW-09S	NR	NR	None Observed	None Observed	None Observed	None Observed	None Observed	Well Inaccessible	None Observed
SHMW-09I	NR	NR	None Observed	NR	NR	NR	NR	NR	NR
SHMW-10S	NR	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-10I	NR	NR	None Observed	NR	NR	NR	NR	NR	NR
SHMW-11S	NR	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-11I	NR	NR	None Observed	NR	NR	NR	NR	NR	NR
SHMW-12S	NR	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-12I	NR	NR	None Observed	NR	NR	NR	NR	NR	NR
SHMW-13S	NR	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-13I	NR	NR	None Observed	NR	NR	NR	NR	NR	NR

Table 2. Summary of Historical NAPL Observations
Sag Harber Former MGP Site
Groundwater Monitoring Program - Q4 2014

Well ID	Sep/Q3 2009 Observations	Dec/Q4 2009 Observations	Mar/Q1 2010 Observations	Jun/Q2 2010 Observations	Sep/Q3 2010 Observations	Dec/Q4 2010 Observations	Mar/Q1 2011 Observations	Jun/Q2 2011 Observations	Sep/Q3 2011 Observations
MW-01	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-02	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-03	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-04	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-05	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed
MW-06	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-01S/01SR	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	None Observed	None Observed	None Observed	None Observed
SHMW-01I/01IR	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	None Observed	None Observed	None Observed	None Observed
SHMW-01D	NI	NI	NI	NI	NI	None Observed	None Observed	None Observed	None Observed
SHMW-02S	NI	NI	NI	NI	NI	None Observed	None Observed	None Observed	None Observed
SHMW-02I/02IR	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	None Observed	Well Damaged	Well Damaged	Well Damaged
SHMW-02D/02DR	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	None Observed	None Observed	None Observed	None Observed
SHMW-03S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-03I	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-04S/04SR	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Trace LNAPL - DNAPL observed on tubing	Trace LNAPL - DNAPL observed on tubing	Trace LNAPL - DNAPL observed on tubing	None Observed
SHMW-04I	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-05S/05SR	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	None Observed	None Observed	None Observed	None Observed

**Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q4 2014**

[illegible]

Table 2. Summary of Historical NAPL Observations
Sag Harber Former MGP Site
Groundwater Monitoring Program - Q4 2014

Well ID	Dec/Q4 2011 Observations	Mar/Q1 2012 Observations	Jun/Q2 2012 Observations	Sep/Q3 2012 Observations	Dec/Q4 2012 Observations	Mar/Q1 2013 Observations	Jun/Q2 2013 Observations	Sep/Q3 2013 Observations	Dec/Q4 2013 Observations
MW-01	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-02	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-03	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-04	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-05	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed
MW-06	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-01S/01SR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-01I/01IR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-01D	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-02S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-02I/02IR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	Approx. 6" of DNAPL
SHMW-02D/02DR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-03S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-03I	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-04S/04SR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-04I	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-05S/05SR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q4 2014

Well ID	Dec/Q4 2011 Observations	Mar/Q1 2012 Observations	Jun/Q2 2012 Observations	Sep/Q3 2012 Observations	Dec/Q4 2012 Observations	Mar/Q1 2013 Observations	Jun/Q2 2013 Observations	Sep/Q3 2013 Observations	Dec/Q4 2013 Observations
SHMW-05I/05IR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-06S	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-06I	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-07S/07SR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-07I/07IR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-08S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-08I	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-09S	No access	No access	No access	No access	No access	No access	None Observed	None Observed	None Observed
SHMW-09I	No access	No access	No access	No access	No access	No access	None Observed	None Observed	None Observed
SHMW-10S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-10I	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-11S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-11I	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-12S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-12I	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-13S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-13I	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed

**Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q4 2014**

Well ID	Mar/Q1 2014 Observations	Jun/Q2 2014 Observations	Sep/Q3 2014 Observations	Dec/Q4 2014 Observations
MW-01	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-02	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-03	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-04	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-05	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed
MW-06	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-01S/01SR	None Observed	None Observed	None Observed	None Observed
SHMW-01I/01IR	None Observed	None Observed	None Observed	None Observed
SHMW-01D	None Observed	None Observed	None Observed	None Observed
SHMW-02S	None Observed	None Observed	None Observed	None Observed
SHMW-02I/02IR	None Observed	None Observed	None Observed	None Observed
SHMW-02D/02DR	None Observed	None Observed	None Observed	None Observed
SHMW-03S	None Observed	None Observed	None Observed	None Observed
SHMW-03I	None Observed	None Observed	None Observed	None Observed
SHMW-04S/04SR	None Observed	None Observed	None Observed	None Observed
SHMW-04I	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-05S/05SR	None Observed	None Observed	None Observed	None Observed

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q4 2014

Well ID	Mar/Q1 2014 Observations	Jun/Q2 2014 Observations	Sep/Q3 2014 Observations	Dec/Q4 2014 Observations
SHMW-05I/05IR	None Observed	None Observed	None Observed	None Observed
SHMW-06S	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-06I	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-07S/07SR	None Observed	DNAPL Blebs on tubing	DNAPL Blebs on tubing	Approx. 1" of DNAPL
SHMW-07I/07IR	None Observed	None Observed	None Observed	None Observed
SHMW-08S	None Observed	None Observed	None Observed	None Observed
SHMW-08I	None Observed	None Observed	None Observed	None Observed
SHMW-09S	None Observed	None Observed	None Observed	None Observed
SHMW-09I	None Observed	None Observed	None Observed	None Observed
SHMW-10S	None Observed	None Observed	None Observed	None Observed
SHMW-10I	None Observed	None Observed	None Observed	None Observed
SHMW-11S	None Observed	None Observed	None Observed	None Observed
SHMW-11I	None Observed	None Observed	None Observed	None Observed
SHMW-12S	None Observed	None Observed	None Observed	None Observed
SHMW-12I	None Observed	None Observed	None Observed	None Observed
SHMW-13S	None Observed	None Observed	None Observed	None Observed
SHMW-13I	None Observed	None Observed	None Observed	None Observed

General Notes:

DNAPL = Dense Non-aqueous Phase Liquid

LNAPL = Light Non-aqueous Phase Liquid

WC = Water Column

NR = Gauging Not Required

NI = Not Installed

Table 3. Summary of BTEX, MTBE and PAH Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q4 2014

Analyte	Units	NYS AWQS	SHMW-04SR 12/18/2014	DUP Q4 12/18/2014	SHMW-05SR 12/18/2014	SHMW-07SR 12/18/2014	SHMW-08S 12/18/2014	SHMW-09S 12/18/2014	SHMW-11S 12/18/2014	SHMW-12S 12/18/2014
BTEX	µg/L									
Benzene		1	95 J	59 J	6	320 J	4	33	1 U	130
Toluene		5	6	4	1 U	10	1 U	1 U	1 U	1 U
Ethylbenzene		5	81 J	50 J	1	300	1 U	5	1 U	6
Total Xylene		5	120	97	2	210	1	15	1 U	23
Total BTEX (ND=0)		NE	302	210	9	840	5	53	ND	159
Other VOCs	µg/L									
Methyl tert-butyl ether (MTBE)		10*	10 UJ	10 UJ	10 UJ	10 UJ	5 J	10 UJ	10 UJ	10 UJ
NYSDEC PAH17	µg/L									
Acenaphthene		20*	75	85 J	29	57	26	50	2 J	4 J
Acenaphthylene		NE	3 J	2 J	10 U	3 J	1 J	10 U	17	10 U
Anthracene		50*	4 J	6 J	10 U	14	4 J	2 J	10 U	10 U
Benzo(a)anthracene		0.002*	10 U	10 U	10 U	7 J	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene		0.002*	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene		0.002*	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene		NE	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U
Benzo(a)pyrene		ND	10 U	10 U	10 U	5 J	10 U	10 U	10 U	10 U
Chrysene		0.002*	10 U	10 U	10 U	6 J	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene		NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene		50*	4 J	4 J	10 U	16	4 J	10 U	10 U	10 U
Fluorene		50*	15	20	8 J	21	14	11	2 J	10 U
Indeno(1,2,3-cd)pyrene		0.002*	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U
2-Methylnaphthalene		NE	24 J	84 J	8 J	55	6 J	6 J	29	3 J
Naphthalene		10*	170 J	650 J	73	640	75	280	150	240
Phenanthrene		50*	9 J	22 J	3 J	52	27	11	1 J	10 U
Pyrene		50*	5 J	6 J	10 U	20	3 J	10 U	10 U	10 U
Total PAH (17) (ND=0)		NE	309	879	121	904	160	360	201	247

Notes:

µg/L = micrograms per liter or parts per billion (ppb)

BTEX = benzene, toluene, ethylbenzene, and xylenes

PAHs = polycyclic aromatic hydrocarbons

VOCs = volatile organic compounds

Total BTEX and Total PAHs are calculated using detects only.

Total PAH16 is calculated using the EPA16 list of analytes: Acenaphthene, Acenaphthylene, Anthracene, Benz[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno[1,2,3-cd]pyrene, Naphthalene, Phenanthrene, and Pyrene

Total PAH17 is calculated using the EPA16 list of analytes plus 2-Methylnaphthalene

NYS AWQS - New York State Ambient Water Quality Standards and Guidance Values for GA groundwater

* indicates the value is a guidance value and not a standard

MGP = Manufactured Gas Plant

ND = not detected

NE = not established

Bolding indicates a detected result concentration

Shading and bolding indicates that the detected concentration is above the NYSDOH guidance it was compared to

Data Qualifiers:

J = estimated value

U = indicates not detected to the reporting limit

Table 4. Summary of Historical Total BTEX Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q4 2014

Well No.	Screen Interval (feet)	BTEX Concentrations (µg/L)																	
		Sampling Date																	
		1995	2000		2002	2004		2005				2006				2007			
		Nov	Mar	Apr	May	May	Aug	Mar/Apr	June	Sept	Dec	March	June	Sept	Dec	March	June	Sept	Dec
MW-01	1.50 - 7.32	2,720	10	68	9	4	0	0	12	67	0	21	47	310	190	160	240	150	270
MW-02	0.50 - 7.25	5,429	8,840	7,940	5,840	13,287	8,740	7,333	13,010	--	13,720	7,591	--	14,174	12,267	8,678	12,810	15,181	98
MW-03	2.17 - 10.17	1,222	668	1,553	1,363	2,573	--	2,050	2,867	560	2,622	4,880	1,971	4,965	2,398	1,680	2,930	3,225	2,831
MW-04	1.25 - 6.81	864	35	--	10	208	--	0	0	225	299	268	193	181	101	0	51	89	66
MW-05	2.46 - 7.46	9,100	170	5	102	11,600	2,938	2,697	18,900	--	--	--	--	--	--	--	--	--	--
MW-06	2.47 - 7.47	334	47	30	91	49	--	33	55	39	36	74	37	11	54	0	37	31	0
SHMW-01S/01SR	1.0 - 6.0	--	--	1,413	874	2,102	--	1,367	1,810	406	1,313	2,562	2,085	5,183	2,915	691	2,460	2,600	1,684
SHMW-01I/01IR	35.0 - 45.0	--	--	5	0	0	--	--	--	--	0	--	--	--	0	0	--	--	--
SHMW-01D	65.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-02S	1.0 - 6.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-02I/02IR	35.0 - 45.0	--	--	26	0	1,179	16	20	20	19	25	0	0	0	0	--	11	12	15
SHMW-02D/02DR	65.0 - 75.0	--	--	5	4	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-03S	2.0 - 12.0	--	--	63	0	110	--	48	53	46	75	131	67	97	13	122	80	12	50
SHMW-03I	35.0 - 45.0	--	--	0	52	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-04S/04SR	2.0 - 12.0	--	--	7,940	3,154	12,180	--	9,369	17,730	8,960	21,920	25,860	9,361	18,398	10,489	6,883	20,488	16,120	10,378
SHMW-04I	35.0 - 45.0	--	--	5	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-05S/05SR	2.0 - 12.0	--	--	37	69	83	--	107	282	2,960	115	202	45	43	26	35	458	676	98
SHMW-05I/05IR	35.0 - 45.0	--	--	0	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-06S	2.0 - 6.0	--	--	2,392	2,463	3,057	--	2,630	1,950	--	2,910	2,622	1,702	4,289	2,196	1,475	2,285	2,162	1,565
SHMW-06I	35.0 - 45.0	--	--	0	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-07S/07SR	1.0 - 11.0	--	--	2,011	1,562	414	--	1,482	3,340	2,458	1,722	1,400	1,060	--	1,137	185	--	2,139	726
SHMW-07I/07IR	35.0 - 45.0	--	--	0	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-08S	1.0 - 7.0	--	--	5	2	9	--	0	14	0	15	11	0	19	0	0	0	0	12
SHMW-08I	35.0 - 45.0	--	--	0	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-09S	2.0 - 12.0	--	--	1,024	506	1,100	--	500	1,000	--	920	1,130	770	768	500	418	1,240	178	600
SHMW-09I	35.0 - 45.0	--	--	0	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-10S	5.0 - 15.0	--	--	--	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0
SHMW-10I	35.5 - 45.5	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-11S	3.5 - 13.5	--	--	--	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0
SHMW-11I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-12S	1.5 - 6.5	--	--	--	0	344	--	142	930	69	290	140	463	581	182	85	623	81	0
SHMW-12I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	23
SHMW-13S	1.5 - 6.5	--	--	--	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0
SHMW-13I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0

Table 4. Summary of Historical Total BTEX Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q4 2014

Well No.	Screen Interval (feet)	BTEX Concentrations (µg/L)																	
		Sampling Date																	
		2008				2009				2010				2011				2012	
		March	June	Sept	Dec	March	June	Sept	Dec	March	June	Sept	Dec	March	June	Sept	Dec	March	June
MW-01	1.50 - 7.32	337	141	208	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02	0.50 - 7.25	8,865	7,415	2,240	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03	2.17 - 10.17	2,842	2,241	2,875	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-04	1.25 - 6.81	--	15	79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-05	2.46 - 7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-06	2.47 - 7.47	1	33	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-01S/01SR	1.0 - 6.0	1,595	306	243	--	--	--	--	--	--	--	--	0	1	0	0	3	0	0
SHMW-01I/01IR	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	3	--	--
SHMW-01D	65.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	3	--	--
SHMW-02S	1.0 - 6.0	--	--	--	--	--	--	--	--	--	--	--	3	0	3	0	5	1	0
SHMW-02I/02IR	35.0 - 45.0	18	41	29	--	--	--	--	--	--	--	--	4	0	--	--	14	--	--
SHMW-02D/02DR	65.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0	--	--
SHMW-03S	2.0 - 12.0	3	0	5	13	111	24	4	9	40	5	0	9	24	2	3	18	0	1
SHMW-03I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	--	--	0	--	--	--	0	--	--
SHMW-04S/04SR	2.0 - 12.0	7,567	8,059	7,561	--	--	--	--	--	--	--	--	2,717	702	469	292	572	391	709
SHMW-04I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-05S/05SR	2.0 - 12.0	77	83	64	--	--	--	--	--	--	--	--	20	22	25	27	45	25	29
SHMW-05I/05IR	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0	--	--
SHMW-06S	2.0 - 6.0	1,296	1,343	1,298	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-06I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-07S/07SR	1.0 - 11.0	--	1,075	1,374	--	--	1,500	3,472	2,183	1,825	3,946	--	858	455	1,172	607	700	1,418	670
SHMW-07I/07IR	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	11	--	--
SHMW-08S	1.0 - 7.0	8	9	10	--	--	5	5	4	6	13	4	9	7	10	5	9	5	7
SHMW-08I	35.0 - 45.0	--	--	--	--	--	0	--	0	--	--	--	0	--	--	--	5	--	--
SHMW-09S	2.0 - 12.0	1,039	1,298	671	483	--	584	455	224	--	--	--	--	--	--	--	--	--	--
SHMW-09I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	--	--	--	--	--	--	--	--	--
SHMW-10S	5.0 - 15.0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHMW-10I	35.5 - 45.5	--	--	--	0	--	0	--	0	--	--	--	0	--	--	--	5	--	--
SHMW-11S	3.5 - 13.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0
SHMW-11I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	--	--	0	--	--	--	0	--	--
SHMW-12S	1.5 - 6.5	166	482	111	279	28	315	45	58	222	217	8	70	82	672	473	337	127	434
SHMW-12I	35.0 - 45.0	--	--	--	0	--	--	--	2	--	--	--	0	--	--	--	6	--	--
SHMW-13S	1.5 - 6.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	12	0
SHMW-13I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	--	--	0	--	--	--	0	--	--

Table 4. Summary of Historical Total BTEX Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q4 2014

Well No.	Screen Interval (feet)	BTEX Concentrations (µg/L)											Min	Max	Mean
		Sampling Date													
		2012		2013				2014							
		Sept	Dec	March	June	Sept	Dec	March	June	Sept	Dec				
MW-01	1.50 - 7.32	--	--	--	--	--	--	--	--	--	--	0	2,720	236	
MW-02	0.50 - 7.25	--	--	--	--	--	--	--	--	--	--	98	15,181	9,129	
MW-03	2.17 - 10.17	--	--	--	--	--	--	--	--	--	--	560	4,965	2,416	
MW-04	1.25 - 6.81	--	--	--	--	--	--	--	--	--	--	0	864	149	
MW-05	2.46 - 7.46	--	--	--	--	--	--	--	--	--	--	5	18,900	5,689	
MW-06	2.47 - 7.47	--	--	--	--	--	--	--	--	--	--	0	334	50	
SHMW-01S/01SR	1.0 - 6.0	0	0	1	8	0	0	0	--	0	--	0	5,183	958	
SHMW-01I/01IR	35.0 - 45.0	--	0	--	--	--	1	--	--	--	--	0	5	1	
SHMW-01D	65.0 - 75.0	--	0	--	--	--	0	--	--	--	--	0	3	1	
SHMW-02S	1.0 - 6.0	0	0	0	5	0	0	0	--	0	--	0	5	1	
SHMW-02I/02IR	35.0 - 45.0	--	0	--	--	--	11	--	--	0	--	0	1,179	61	
SHMW-02D/02DR	65.0 - 75.0	--	0	--	--	--	0	--	--	--	--	0	5	1	
SHMW-03S	2.0 - 12.0	1	0	6	0	0	2	3	--	5	--	0	131	31	
SHMW-03I	35.0 - 45.0	--	0	--	--	--	4	--	--	0	--	0	52	4	
SHMW-04S/04SR	2.0 - 12.0	654	449	158	14	949	1,846	145	504	900	302	14	25,860	6,691	
SHMW-04I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	0	5	1	
SHMW-05S/05SR	2.0 - 12.0	28	16	16	683	17	21	13	12	15	9	9	2,960	185	
SHMW-05I/05IR	35.0 - 45.0	--	0	--	--	--	0	--	--	0	--	0	0	0	
SHMW-06S	2.0 - 6.0	--	--	--	--	--	--	--	--	--	--	1,296	4,289	2,214	
SHMW-06I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	0	0	0	
SHMW-07S/07SR	1.0 - 11.0	2,822	251	1,289	852	972	1,305	769	1,991	3,508	840	185	3,946	1,500	
SHMW-07I/07IR	35.0 - 45.0	--	0	--	--	--	0	--	--	--	--	0	11	1	
SHMW-08S	1.0 - 7.0	2	6	5	6	4	3	8	4	2	5	0	19	6	
SHMW-08I	35.0 - 45.0	--	0	--	--	--	0	--	--	0	--	0	5	0	
SHMW-09S	2.0 - 12.0	130	165	167	198	118	93	155	193	136	53	53	1,298	542	
SHMW-09I	35.0 -45.0	0	0	--	--	--	2	--	--	4	--	0	4	0	
SHMW-10S	5.0 -15.0	0	0	0	0	0	0	0	--	0	--	0	1	0	
SHMW-10I	35.5 - 45.5	--	0	--	--	--	0	--	--	--	--	0	5	0	
SHMW-11S	3.5 - 13.5	0	0	0	0	0	0	0	0	0	0	0	8	0	
SHMW-11I	35.0 - 45.0	--	0	--	--	--	0	--	--	--	--	0	0	0	
SHMW-12S	1.5 - 6.5	41	19	87	175	142	26	67	175	56	159	0	930	214	
SHMW-12I	35.0 - 45.0	--	0	--	--	--	0	--	--	--	--	0	23	3	
SHMW-13S	1.5 - 6.5	0	0	0	0	0	0	0	--	0	--	0	12	0	
SHMW-13I	35.0 - 45.0	--	0	--	--	--	0	--	--	--	--	0	0	0	

NOTES:

-- not analyzed or not applicable

µg/L - micrograms per liter

BTEX - benzene, toluene, ethylbenzene, and xylene

Table 5. Summary of Historical Total PAH Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q4 2014

Well No.	Screen Interval (feet)	Total PAH Concentrations (µg/L)																			
		Sampling Date																			
		1995	2000			2002	2004			2005				2006				2007			
		Nov	Mar	Apr	May	May	Aug	Mar/Apr	June	Sept	Dec	March	June	Sept	Dec	March	June	Sept	Dec		
MW-01	1.50 - 7.32	4,906	1,548	257	402	30	24	0	61	200	0	0	0	97	95	0	54	87	39		
MW-02	0.50 - 7.25	6,991	5,511	5,114	10,729	25,167	4,414	5,809	10,504	--	6,919	5,209	--	0	8,617	3,150	7,421	5,398	165		
MW-03	2.17 - 10.17	7,034	3,065	3,433	3,774	3,522	--	2,272	4,557	516	92	1,256	565	4,831	6,212	349	489	463	2,904		
MW-04	1.25 - 6.81	3,612	75	--	0	90	--	0	22	1,098	103	11	37	66	31	0	66	238	6		
MW-05	2.46 - 7.46	16,386	779	101	1,160	431,600	2,049	918	188,200	--	--	--	--	--	--	--	--	--	--		
MW-06	2.47 - 7.47	5,416	894	653	258	33	--	90	79	204	0	22	0	0	645	35	46	17	0		
SHMW-01S/01SR	1.0 - 6.0	--	--	4,147	2,663	2,424	--	1,989	2,185	840	0	42	115	3,989	3,874	0	1,058	1,691	42		
SHMW-01I/01IR	35.0 - 45.0	--	--	32	0	0	--	--	--	--	0	--	--	--	0	--	--	--	--		
SHMW-01D	65.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
SHMW-02S	1.0 - 6.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
SHMW-02I/02IR	35.0 - 45.0	--	--	266	0	580,200	41	185	124	271	30	74	32	91	89	0	10	175	32		
SHMW-02D/02DR	65.0 - 75.0	--	--	308	76	89	--	--	--	--	0	--	--	--	0	--	--	--	15		
SHMW-03S	2.0 - 12.0	--	--	422	0	295	--	79	130	117	339	0	0	147	118	430	191	12	154		
SHMW-03I	35.0 - 45.0	--	--	2	320	0	--	--	--	--	0	--	--	--	0	--	--	--	0		
SHMW-04S/04SR	2.0 - 12.0	--	--	4,275	5,107	5,965	--	3,959	6,669	4,684	5,879	2,364	3,572	4,196	6,250	2,632	3,999	4,693	4,305		
SHMW-04I	35.0 - 45.0	--	--	18	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0		
SHMW-05S/05SR	2.0 - 12.0	--	--	13	170	94	--	82	91	26	53	17	11	11	110	0	0	14	8		
SHMW-05I/05IR	35.0 - 45.0	--	--	0	17	0	--	--	--	--	0	--	--	--	0	--	--	--	0		
SHMW-06S	2.0 - 6.0	--	--	4,130	4,694	3,024	--	3,162	2,366	--	4,157	120	201	3,900	4,062	1,703	3,574	4,368	380		
SHMW-06I	35.0 - 45.0	--	--	2	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0		
SHMW-07S/07SR	1.0 - 11.0	--	--	7,211	6,585	2,708	--	3,224	4,604	6,187	3,507	2,004	3,119	--	3,721	0	--	3,902	4		
SHMW-07I/07IR	35.0 - 45.0	--	--	0	0	0	--	--	--	--	0	--	--	--	2,212	--	--	--	0		
SHMW-08S	1.0 - 7.0	--	--	110	71	94	--	25	70	33	83	112	57	77	99	13	90	10	13		
SHMW-08I	35.0 - 45.0	--	--	13	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0		
SHMW-09S	2.0 - 12.0	--	--	1,787	2,472	1,697	--	1,463	1,600	--	2,609	94	1,935	1,138	2,737	48	206	2,246	130		
SHMW-09I	35.0 - 45.0	--	--	3	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0		
SHMW-10S	5.0 - 15.0	--	--	--	22	6	--	0	0	0	0	0	0	0	0	0	0	0	1		
SHMW-10I	35.5 - 45.5	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0		
SHMW-11S	3.5 - 13.5	--	--	--	0	3	--	173	0	0	0	0	0	0	0	0	0	0	0		
SHMW-11I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	4		
SHMW-12S	1.5 - 6.5	--	--	--	60	218	--	71	600	230	260	110	470	310	280	15	560	0	155		
SHMW-12I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	20		
SHMW-13S	1.5 - 6.5	--	--	--	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0		
SHMW-13I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0		

**Table 5. Summary of Historical Total PAH Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q4 2014**

Well No.	Screen Interval (feet)	Total PAH Concentrations (µg/L)																	
		Sampling Date																	
		2008				2009				2010				2011				2012	
March	June	Sep	Dec	March	June	Sept	Dec	March	June	Sept	Dec	March	June	Sept	Dec	March	June		
MW-01	1.50 - 7.32	145	2	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-02	0.50 - 7.25	400	3,455	3,488	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-03	2.17 - 10.17	508	96	1,109	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-04	1.25 - 6.81	--	0	22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-05	2.46 - 7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-06	2.47 - 7.47	0	0	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SHMW-01S/01SR	1.0 - 6.0	0	0	0	--	--	--	--	--	--	--	0	0	0	0	4	7	21	
SHMW-01I/01IR	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0	--	--	
SHMW-01D	65.0 - 75.0	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0	--	--	
SHMW-02S	1.0 - 6.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	5	0	0	
SHMW-02I/02IR	35.0 - 45.0	8	42	209	--	--	--	--	--	--	--	9	3	--	--	0	--	--	
SHMW-02D/02DR	65.0 - 75.0	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0	--	--	
SHMW-03S	2.0 - 12.0	0	0	17	29	0	20	0	0	0	22	0	0	2	7	25	22	6	
SHMW-03I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	--	0	--	--	--	0	--	--	
SHMW-04S/04SR	2.0 - 12.0	0	1,328	1,868	--	--	--	--	--	--	--	3,598	1,440	978	811	942	581	1,296	
SHMW-04I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SHMW-05S/05SR	2.0 - 12.0	2	0	31	--	--	--	--	--	--	--	0	4	167	273	131	309	219	
SHMW-05I/05IR	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0	--	--	
SHMW-06S	2.0 - 6.0	0	44	5,848	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SHMW-06I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SHMW-07S/07SR	1.0 - 11.0	--	54	3,252	--	--	2,919	4,722	5,286	3,410	4,547	--	1,456	0	1,736	885	955	927	
SHMW-07I/07IR	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	4	--	
SHMW-08S	1.0 - 7.0	14	21	55	--	--	59	60	112	129	201	34	3	11	185	195	35	152	
SHMW-08I	35.0 - 45.0	--	--	--	--	--	1	--	0	--	--	--	0	--	--	--	0	--	
SHMW-09S	2.0 - 12.0	0	92	485	503	--	68	39	389	--	--	--	--	--	--	--	--	--	
SHMW-09I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	--	--	--	--	--	--	--	--	
SHMW-10S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	
SHMW-10I	35.5 - 45.5	--	--	--	0	--	0	--	0	--	--	--	0	--	--	--	0	--	
SHMW-11S	3.5 - 13.5	0	0	0	0	0	0	2	0	0	0	0	0	0	2	4	6	0	
SHMW-11I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	--	--	0	--	--	--	0	--	
SHMW-12S	1.5 - 6.5	9	137	259	280	0	332	4	216	177	585	3	0	0	584	739	513	154	
SHMW-12I	35.0 - 45.0	--	--	--	0	--	--	--	0	--	--	--	0	--	--	--	2	--	
SHMW-13S	1.5 - 6.5	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	2	0	
SHMW-13I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	--	--	0	--	--	--	1	--	

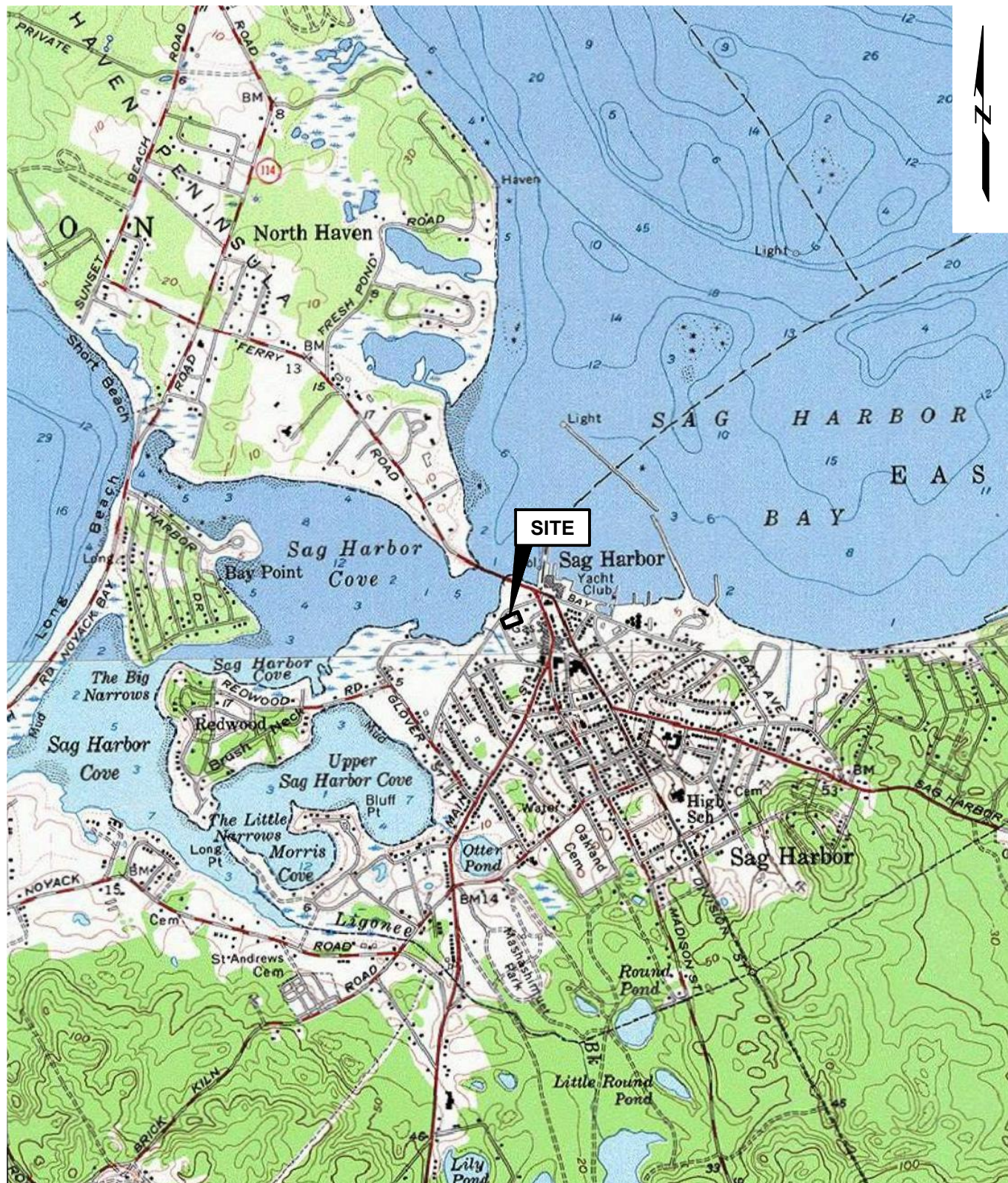
Table 5. Summary of Historical Total PAH Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q4 2014

Well No.	Screen Interval (feet)	Total PAH Concentrations (µg/L)										Min	Max	Mean
		Sampling Date												
		2012		2013				2014						
		Sept	Dec	March	June	Sept	Dec	March	June	Sept	Dec			
MW-01	1.50 - 7.32	--	--	--	--	--	--	--	--	--	--	0	4,906	380
MW-02	0.50 - 7.25	--	--	--	--	--	--	--	--	--	--	0	25,167	6,235
MW-03	2.17 - 10.17	--	--	--	--	--	--	--	--	--	--	92	7,034	2,352
MW-04	1.25 - 6.81	--	--	--	--	--	--	--	--	--	--	0	3,612	304
MW-05	2.46 - 7.46	--	--	--	--	--	--	--	--	--	--	101	431,600	80,149
MW-06	2.47 - 7.47	--	--	--	--	--	--	--	--	--	--	0	5,416	420
SHMW-01S/01SR	1.0 - 6.0	0	0	8	0	0	0	67	--	0	--	0	4,147	763
SHMW-01I/01IR	35.0 - 45.0	--	0	--	--	--	0	--	--	--	--	0	32	4
SHMW-01D	65.0 - 75.0	--	0	--	--	--	0	--	--	--	--	0	0	0
SHMW-02S	1.0 - 6.0	0	0	5	0	0	0	0	--	0	--	0	5	1
SHMW-02I/02IR	35.0 - 45.0	--	56	--	--	--	245	--	--	11	--	0	580,200	23,288
SHMW-02D/02DR	65.0 - 75.0	--	0	--	--	--	0	--	--	--	--	0	308	49
SHMW-03S	2.0 - 12.0	22	2	23	14	16	6	5	--	3	--	0	430	65
SHMW-03I	35.0 - 45.0	--	0	--	--	--	4	--	--	0	--	0	320	23
SHMW-04S/04SR	2.0 - 12.0	1,195	639	402	100	1,875	1,916	190	523	1,637	309	0	6,669	2,576
SHMW-04I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	0	18	3
SHMW-05S/05SR	2.0 - 12.0	420	20	107	175	155	291	171	153	367	121	0	420	109
SHMW-05I/05IR	35.0 - 45.0	--	0	--	--	--	0	--	--	0	--	0	17	2
SHMW-06S	2.0 - 6.0	--	--	--	--	--	--	--	--	--	--	0	5,848	2,690
SHMW-06I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	0	2	0
SHMW-07S/07SR	1.0 - 11.0	4,342	419	2,620	950	4,030	1,381	1,733	5,945	12,876	904	0	12,876	3,042
SHMW-07I/07IR	35.0 - 45.0	--	0	--	--	--	1	--	--	--	--	0	2,212	222
SHMW-08S	1.0 - 7.0	113	182	95	151	180	148	147	174	250	160	3	250	96
SHMW-08I	35.0 - 45.0	--	0	--	--	--	0	--	--	0	--	0	13	1
SHMW-09S	2.0 - 12.0	787	690	721	575	603	211	560	832	1,315	360	0	2,737	916
SHMW-09I	35.0 - 45.0	0	0	--	--	--	2	--	--	2	--	0	3	1
SHMW-10S	5.0 - 15.0	0	0	0	0	0	1	0	--	0	--	0	22	1
SHMW-10I	35.5 - 45.5	--	0	--	--	--	0	--	--	--	--	0	0	0
SHMW-11S	3.5 - 13.5	0	2	1	0	7	16	1	0	1	201	0	201	10
SHMW-11I	35.0 - 45.0	--	0	--	--	--	1	--	--	--	--	0	4	0
SHMW-12S	1.5 - 6.5	217	104	62	410	604	133	0	353	493	247	0	739	246
SHMW-12I	35.0 - 45.0	--	0	--	--	--	0	--	--	--	--	0	20	2
SHMW-13S	1.5 - 6.5	0	0	0	0	0	0	0	--	1	--	0	3	0
SHMW-13I	35.0 - 45.0	--	0	--	--	--	0	--	--	--	--	0	1	0

NOTES:

-- not analyzed or not applicable
µg/L - micrograms per liter
PAH - polycyclic aromatic hydrocarbons

Figures



SOURCE:

Map created with TOPO!® ©2001 National Geographic (www.nationalgeographic.com/topo)



Sag Harbor Former MGP Site
Sag Harbor, New York

nationalgrid

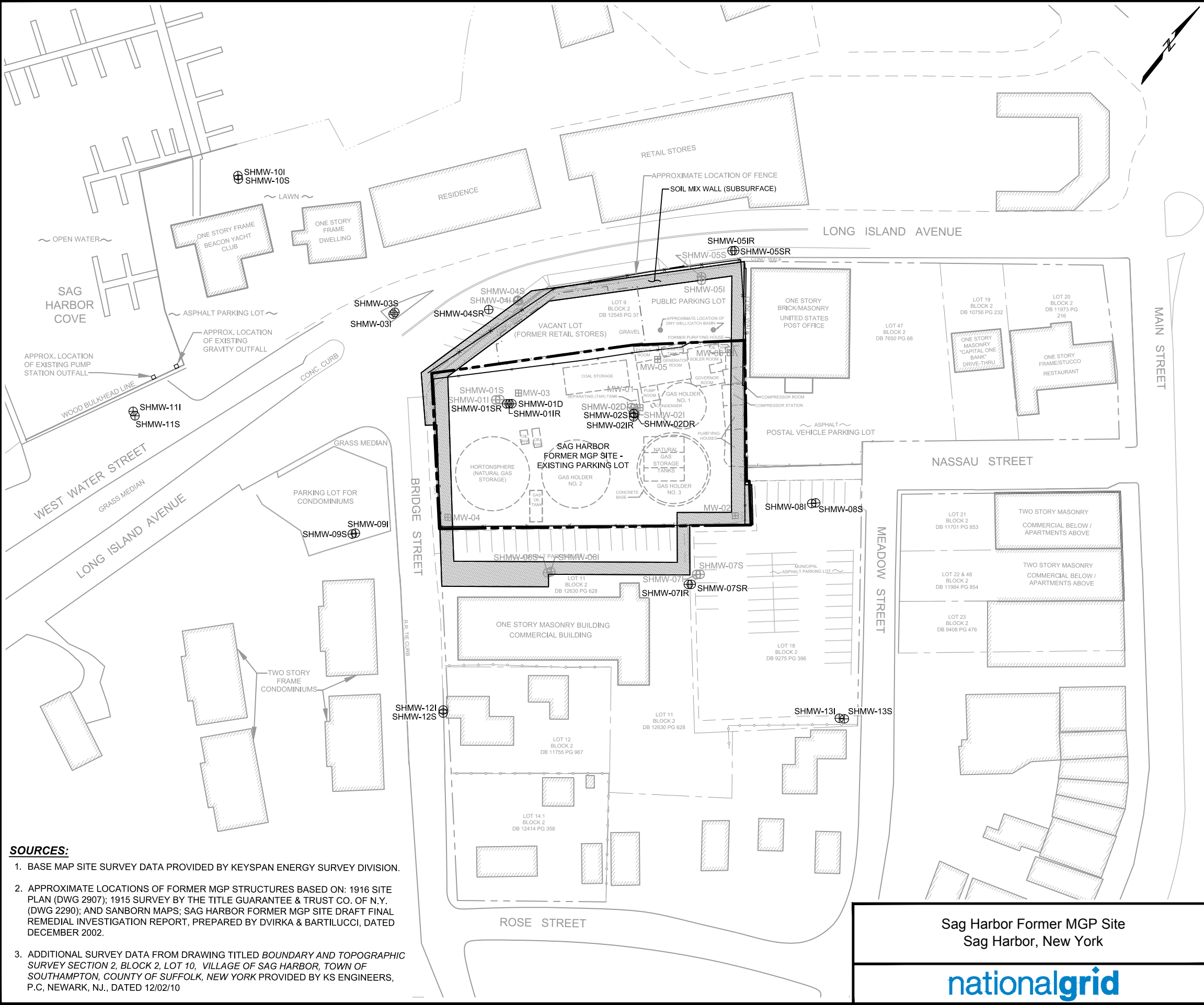


Project 093190

SITE LOCATION MAP

May 2015

Fig. 1



LEGEND

APPROXIMATE LOCATION OF FORMER MGP STRUCTURE

LOCATION OF EXISTING STRUCTURE

CURRENT SITE BOUNDARY

ADJACENT SITE BOUNDARY

CHAIN-LINK FENCE

STOCKADE FENCE

SHMW-05S

FORMER MONITORING WELL (WELL ABANDONED OR DESTROYED)

SHMW-03S

MONITORING WELL LOCATION

- SOURCES:**
1. BASE MAP SITE SURVEY DATA PROVIDED BY KEYSpan ENERGY SURVEY DIVISION.
 2. APPROXIMATE LOCATIONS OF FORMER MGP STRUCTURES BASED ON: 1916 SITE PLAN (DWG 2907); 1915 SURVEY BY THE TITLE GUARANTEE & TRUST CO. OF N.Y. (DWG 2290); AND SANBORN MAPS; SAG HARBOR FORMER MGP SITE DRAFT FINAL REMEDIAL INVESTIGATION REPORT, PREPARED BY DVIRKA & BARTILUCCI, DATED DECEMBER 2002.
 3. ADDITIONAL SURVEY DATA FROM DRAWING TITLED *BOUNDARY AND TOPOGRAPHIC SURVEY SECTION 2, BLOCK 2, LOT 10, VILLAGE OF SAG HARBOR, TOWN OF SOUTHAMPTON, COUNTY OF SUFFOLK, NEW YORK* PROVIDED BY KS ENGINEERS, P.C, NEWARK, NJ., DATED 12/02/10



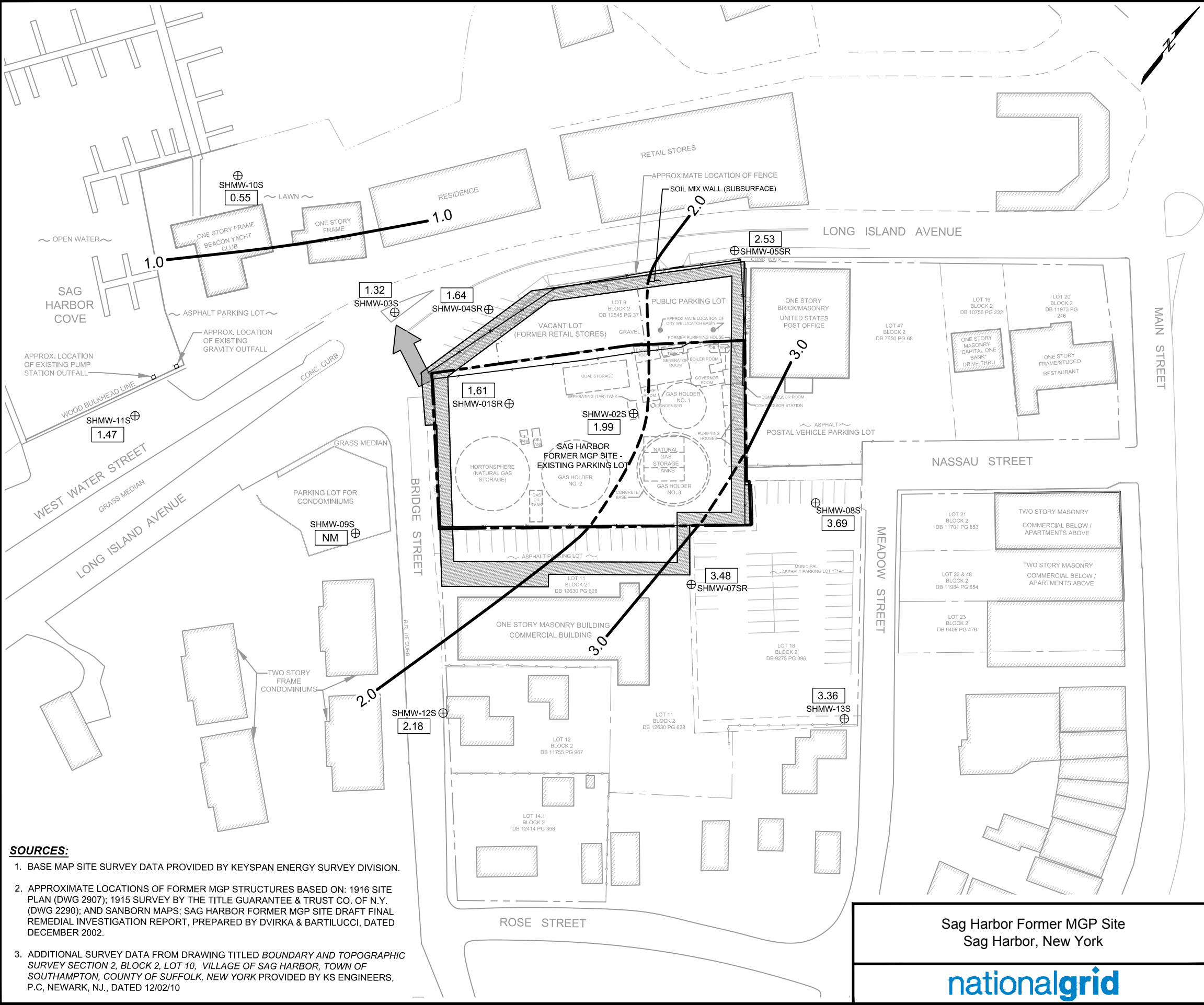
Sag Harbor Former MGP Site
Sag Harbor, New York

MONITORING WELL
LOCATION MAP

Project 093190

May 2015

Fig. 2



LEGEND

APPROXIMATE LOCATION OF FORMER MGP STRUCTURE

LOCATION OF EXISTING STRUCTURE

CURRENT SITE BOUNDARY

ADJACENT SITE BOUNDARY

CHAIN-LINK FENCE

STOCKADE FENCE

SHMW-05S

FORMER MONITORING WELL (WELL ABANDONED OR DESTROYED)

SHMW-03S

MONITORING WELL LOCATION

0.55

GROUNDWATER ELEVATION IN FEET

NM

WELL NOT MEASURED

1.0

GROUNDWATER CONTOUR (FT)

1.0

GROUNDWATER CONTOUR (INFERRED)

APPROXIMATE GROUNDWATER FLOW DIRECTION

- SOURCES:**
1. BASE MAP SITE SURVEY DATA PROVIDED BY KEYSpan ENERGY SURVEY DIVISION.
 2. APPROXIMATE LOCATIONS OF FORMER MGP STRUCTURES BASED ON: 1916 SITE PLAN (DWG 2907); 1915 SURVEY BY THE TITLE GUARANTEE & TRUST CO. OF N.Y. (DWG 2290); AND SANBORN MAPS; SAG HARBOR FORMER MGP SITE DRAFT FINAL REMEDIAL INVESTIGATION REPORT, PREPARED BY DVIRKA & BARTILUCCI, DATED DECEMBER 2002.
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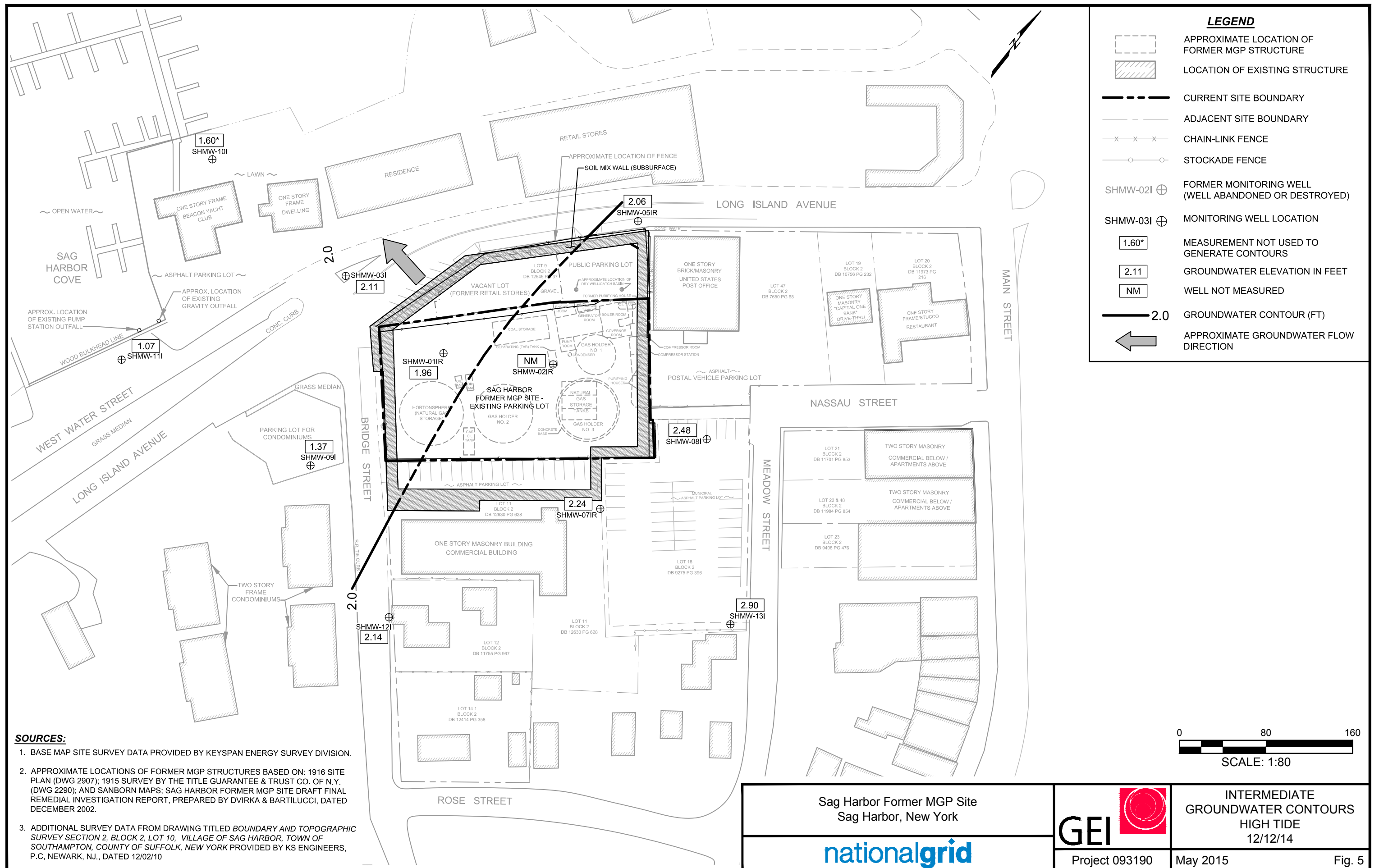
Sag Harbor Former MGP Site
Sag Harbor, New York

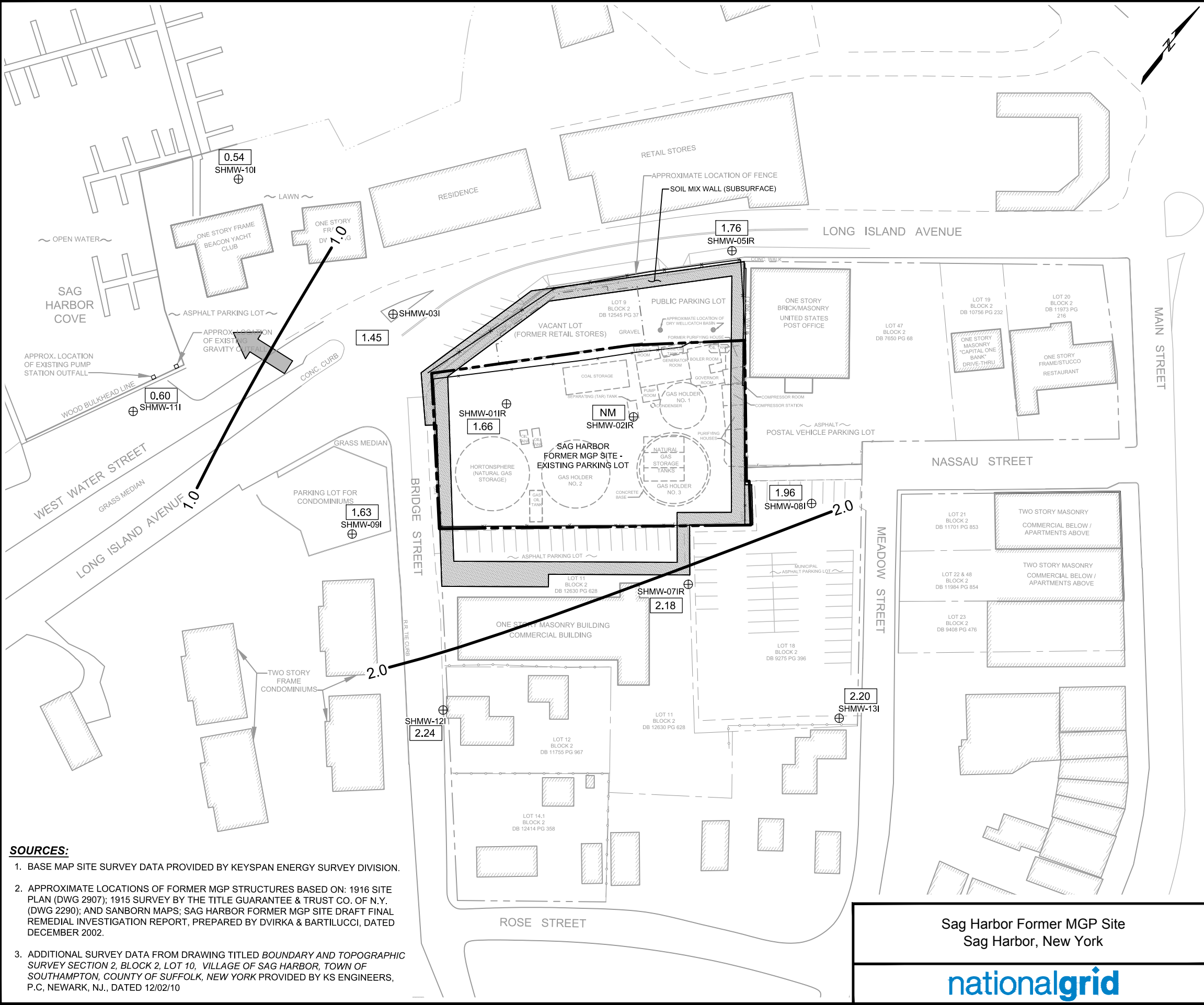
SHALLOW GROUNDWATER
CONTOURS - LOW TIDE
12/12/14

Project 093190



May 2015

Fig. 4





- SOURCES:**
1. BASE MAP SITE SURVEY DATA PROVIDED BY KEYSpan ENERGY SURVEY DIVISION.
 2. APPROXIMATE LOCATIONS OF FORMER MGP STRUCTURES BASED ON: 1916 SITE PLAN (DWG 2907); 1915 SURVEY BY THE TITLE GUARANTEE & TRUST CO. OF N.Y. (DWG 2290); AND SANBORN MAPS; SAG HARBOR FORMER MGP SITE DRAFT FINAL REMEDIAL INVESTIGATION REPORT, PREPARED BY DVIRKA & BARTILUCCI, DATED DECEMBER 2002.
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Sag Harbor Former MGP Site Sag Harbor, New York			INTERMEDIATE GROUNDWATER CONTOURS LOW TIDE 12/12/14	
			Project 093190	May 2015