GEI Consultants

Geotechnical
Environmental
Water Resources
Ecological

Quarterly Groundwater Monitoring Report
Second Quarter (Q2) 2013

Sag Harbor
Former MGP Site

Village of Sag Harbor
Suffolk County, Long Island, New York
Site ID No. 1-52-159

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1. Sag Harbor Site and Adjacent Offsite Areas

Second Quarter (Q2) 2013 Groundwater Monitoring Event Summary

Event Date: June 11, 26 and 28, 2013

Site Phase: Quarterly groundwater monitoring

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

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 June 28, 2012 at 24 of the 25 monitoring wells, during low and high tide. Monitoring well SHMW-02I 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 Q2 2013, 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	+0.23 – 4.14	1.09 – 2.94	0.0019	0.24 – 5.25	0.07 – 3.09	0.0032
Intermediate	+0.15 – 4.16	1.47 – 2.62	0.0007	0.00 – 5.75	-0.12 – 2.11	0.0027

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/foot

NAPL Thickness Data

Table 2 provides a summary of historical non-aqueous phase liquid (NAPL) data. In Q1 2013, all of the 25 monitoring wells were monitored for NAPL as part of the groundwater monitoring program. There was no evidence of light non-aqueous phase liquid (LNAPL) or DNAPL in any of the monitoring wells during Q2 2013.

Chemical Data

In Q2 2013, a total of 12 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 June 11 and 26, 2013 and included all wells on the quarterly sampling list.

Chemical data for Q2 2013 (**Table 3**) indicate:

- BTEX concentrations ranged from below method detection limits (ND) in 4 of the 12 wells sampled to 852 micrograms per liter (µg/L) in SHMW-07SR.
- Total PAH concentrations ranged from ND in 5 of the 12 wells sampled to 950 µg/L in SHMW-07SR.
- MTBE concentrations were ND in each of the 12 wells sampled, excluding an estimated detection of 4 µg/L in SHMW-08S.

Data Trend Analysis

In general, BTEX and total PAH concentrations (see historical data in **Tables 4** and **5**) are generally decreasing in shallow groundwater on and adjacent to the site as indicated in the table on the following page. BTEX concentrations in shallow wells generally remained similar to Q1 2013 levels, while total PAH concentrations decreased. Overall, the concentrations observed during recent sampling events remain significantly below historical levels (see table on following page).

Shallow Zone	Historical*		Q4 2012		Q1 2013		Q2 2013	
	Max	Average	Max	Average	Max	Average	Max	Average
BTEX	25,860	998	449	76	1,289	144	852	162
Total PAHs	7,211**	682	690	172	2,620	337	960	191

Notes:

Concentrations in µg/L

*: Including data from existing wells only.

**: Historical maximum for all depth zones is 580,200 µg/L (total PAH) in SHMW-02I.

Concentrations of BTEX were identified in eight shallow monitoring wells in Q2 2013. The concentrations in monitoring wells SHMW-01SR (8 µg/L), SHMW-02S (5 µg/L), and SHMW-08S (6 µg/L) were near detection levels. In addition, the concentration in monitoring well SHMW-04SR (14 µg/L), which has typically been elevated, decreased significantly in Q2 2013. The Q2 2013 detections in these wells were similar to, or below their respective historical mean concentrations.

Elevated BTEX concentrations in the remaining shallow wells in Q2 2013 were limited to SHMW-05SR, SHMW-07SR, SHMW-09S and SHMW-12S. The Q2 2013 concentration in SHMW-05SR (683 µg/L) increased significantly and was the highest concentration recorded in this well during the historical monitoring period. With this inconsistent finding, the concentrations in SHMW-05SR will be closely monitored and evaluated in subsequent sampling events and quarterly reports. The concentration in SHMW-07SR (852 µg/L) decreased during Q2 2013, continuing a variable trend. The BTEX concentrations in monitoring well SHMW-09S (198 µg/L) have been increasing slightly, but have generally remained relatively consistent in recent sampling events. The BTEX concentration in SHMW-12S (175 µg/L) increased relative to Q1 2013, continuing an increasing trend over the past four sampling events. Excluding SHMW-05S, the BTEX concentrations in the remaining wells, three wells remain below, and in some cases, significantly below their respective historical means.

For total PAH concentrations, seven shallow wells had detections in Q2 2013. Excluding SHMW-03S (14 µg/L), the remaining detections were above 100 µg/L. The Q2 2013 detections in SHMW-03S remained below its historical mean concentration.

The total PAH concentrations in Q2 2013 in SHMW-04SR (100 µg/L), SHMW-07SR (960 µg/L) and SHMW-09S (481 µg/L) decreased significantly from Q1 2013 levels and were all below their respective historical mean concentrations. Total PAH concentration trends have generally been decreasing in these wells in recent sampling events. The Q2 2013 total PAH concentrations in the remaining three wells including SHMW-05SR (175 µg/L), SHMW-08S (151 µg/L), and SHMW-12S (410 µg/L) all increased relative to Q1 2013 and were above their respective historical mean concentrations, but within their respective historical concentration ranges. Recent total PAH concentration trend in each of these three wells have been variable.

Variable dissolved constituent concentrations detected in shallow groundwater over the past sampling events are likely due, in part, to the rise and fall of the water table resulting in periods of both decreased and increased dissolution of adsorbed BTEX and PAHs trapped beneath the groundwater/soil vapor interface.

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.

Non-measurable (trace) 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. However, no evidence of NAPL has been found in these monitoring wells or any of the remaining monitoring wells since Q2 2011.

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 - Q2 2013

Well ID	Top of Casing Elevation (ft)*	Tide	Time	6/28/2013		Notes
				Depth to Water (ft)	Groundwater Elevation (ft)	
SHMW-01SR	3.71	High	1500	1.85	1.86	Well replaced in Q4 2010
		Low	0852	1.79	1.92	
SHMW-01IR	3.81	High	1502	2.00	1.81	Well replaced in Q4 2010
		Low	0851	2.41	1.40	
SHMW-01D	3.67	High	1503	1.10	2.57	Well installed in Q4 2010
		Low	0851	2.12	1.55	
SHMW-02S	3.95	High	1455	1.85	2.10	Well installed in Q4 2010
		Low	0845	1.60	2.35	
SHMW-02IR	3.92	High	NM	NM	NM	Survey point altered
		Low	NM	NM	NM	
SHMW-02DR	3.66	High	1455	1.52	2.14	Well replaced in Q4 2010
		Low	0847	2.36	1.30	
SHMW-03S	3.83	High	1518	2.65	1.18	
		Low	0906	2.90	0.93	
SHMW-03I	3.85	High	1520	1.55	2.30	
		Low	0907	2.71	1.14	
SHMW-04SR	3.90	High	1507	2.81	1.09	Well replaced in Q4 2010
		Low	0856	2.78	1.12	
SHMW-05SR	5.03	High	1513	3.52	1.51	Well replaced in Q4 2010
		Low	0900	3.51	1.52	
SHMW-05IR	4.96	High	1514	3.07	1.89	Well replaced in Q4 2010
		Low	0902	3.52	1.44	
SHMW-07SR	3.48	High	1540	0.77	2.71	
		Low	0926	0.77	2.71	
SHMW-07IR	3.38	High	1540	1.24	2.14	
		Low	0926	2.20	1.18	
SHMW-08S	3.69	High	1545	0.75	2.94	
		Low	0931	0.60	3.09	
SHMW-08I	3.79	High	1545	1.25	2.54	
		Low	0932	1.68	2.11	
SHMW-09S	3.06	High	1533	1.25	1.81	
		Low	0918	1.35	1.71	
SHMW-09I	2.82	High	1534	0.47	2.35	
		Low	0919	1.58	1.24	
SHMW-10S	4.75	High	1525	3.26	1.49	
		Low	0910	4.15	0.60	
SHMW-10I	4.75	High	1526	2.56	2.19	
		Low	0911	4.64	0.11	
SHMW-11S	5.32	High	1530	4.14	1.18	
		Low	0914	5.25	0.07	
SHMW-11I	5.63	High	1531	4.16	1.47	
		Low	0915	5.75	-0.12	
SHMW-12S	1.98	High	1538	+0.23	2.21	Artesian at High Tide
		Low	0922	0.24	1.74	
SHMW-12I	1.99	High	1538	+0.15	2.14	Artesian at High Tide
		Low	0924	0.00	1.99	
SHMW-13S	3.36	High	1542	0.64	2.72	
		Low	0928	0.76	2.60	
SHMW-13I	3.50	High	1543	0.88	2.62	
		Low	0929	1.65	1.85	

General Notes:
* Elevations were re-surveyed in November 2010.
NM = Not Measured

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2013

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	Apr/Q1 2005 Observations
MW-01	None Observed	Odor	None Observed	Not Checked	NR	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	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	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	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.	Sporadic DNAPL, approx. 0.1' of LNAPL.
MW-06	None Observed	Slight naphthalene-like odor	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-01S/01SR	None Observed	Slight naphthalene-like odor	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-01I/01IR	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-01D	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02S	NI	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	Approx. 1.1' of DNAPL
SHMW-02D/02DR	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-03S	None Observed	Odor	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-03I	None Observed	None Observed	NR	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	Approx. 0.25' of DNAPL
SHMW-04I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2013

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	Apr/Q1 2005 Observations
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	None Observed
SHMW-05I/05IR	None Observed	None Observed	NR	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	NR
SHMW-06I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-07S/07SR	Sheen and naphthalene-like odor	Slight odor	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-07I/07IR	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-08S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-08I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-09S	None Observed	Slight naphthalene-like odor	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-09I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-10S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-10I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-11S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-11I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-12S	None Observed	Sheen, strong sulfur-like odor	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-12I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-13S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-13I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2013

Well ID	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	Jun/Q2 2007 Observations	Sep/Q3 2007 Observations
MW-01	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
MW-02	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	Approx.0.07' DNAPL	Approx. 0.11' DNAPL
MW-03	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)	None Observed	Trace DNAPL (coating on tubes)
MW-04	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)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)
MW-05	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)	Well Destroyed	Well Destroyed
MW-06	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-01S/01SR	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-01I/01IR	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-01D	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02S	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02I/02IR	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)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)
SHMW-02D/02DR	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-03S	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-03I	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-04S/04SR	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	Approx.0.50' DNAPL	Approx. 0.5' DNAPL
SHMW-04I	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2013

Well ID	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	Jun/Q2 2007 Observations	Sep/Q3 2007 Observations
SHMW-05S/05SR	None Observed	None Observed	None Observed	No DNAPL observed	None Observed	None Observed	None Observed	None Observed	None Observed	NR
SHMW-05I/05IR	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-06S	NR	Trace DNAPL at bottom of tape	Approx. 0.10' DNAPL, naphthalene-like odor	Trace DNAPL	Approx. 0.2' of DNAPL	Approx. 0.2' of DNAPL	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)
SHMW-06I	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-07S/07SR	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-07I/07IR	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-08S	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-08I	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-09S	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-09I	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-10S	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-10I	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-11S	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-11I	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-12S	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-12I	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-13S	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR
SHMW-13I	NR	NR	NR	NR	NR	NR	NR	None Observed	NR	NR

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2013

Well ID	Dec/Q4 2007 Observations	Mar/Q1 2008 Observations	Jun/Q2 2008 Observations	Sep/Q3 2008 Obsevations	Dec/Q4 2008 Obsevations	Mar/Q1 2009 Observations	Jun/Q2 2009 Observations	Sep/Q3 2009 Observations	Dec/Q4 2009 Observations	Mar/Q1 2010 Observations
MW-01	None Observed	None Observed	Trace DNAPL	Trace DNAPL (at bottom of tubing)	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-02	Approx. ~0.08'	Trace DNAPL	Moderate DNAPL; not measureable	Trace DNAPL	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-03	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	Well Abandoned	Well Abandoned	Well Abandoned
MW-04	Approx. ~0.02'	NR	Trace DNAPL	Trace DNAPL (at bottom of tubing)	Well Inaccessible or 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	Well Destroyed
MW-06	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-01S/01SR	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-01I/01IR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-01D	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02S	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
SHMW-02I/02IR	Approx. ~0.60'	Approx. 3' DNAPL	Approx. 1.5' DNAPL	Approx. 4' DNAPL	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-02D/02DR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-03S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-03I	None Observed	NR	NR	NR	None Observed	NR	None Observed	NR	None Observed	None Observed
SHMW-04S/04SR	Approx. ~0.61'	Approx. 1.05' DNAPL	Approx.0.6' DNAPL	Approx.0.75' DNAPL	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-04I	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2013

Well ID	Dec/Q4 2007 Observations	Mar/Q1 2008 Observations	Jun/Q2 2008 Observations	Sep/Q3 2008 Obsevations	Dec/Q4 2008 Obsevations	Mar/Q1 2009 Observations	Jun/Q2 2009 Observations	Sep/Q3 2009 Observations	Dec/Q4 2009 Observations	Mar/Q1 2010 Observations
SHMW-05S/05SR	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-05I/05IR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-06S	Trace	Trace DNAPL (on tubing)	Trace DNAPL	Trace DNAPL (on tubing)	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-06I	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-07S/07SR	Trace	NR	NR	Trace DNAPL (on side of tubing approx 1' off bottom)	Well Inaccessible or Abandoned	Well Inaccessible	None Observed	Trace DNAPL (on side of tubing)	None Observed	None Observed
SHMW-07I/07IR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Inaccessible	None Observed	NR	None Observed (approximately 10 feet of sand present in well)	None Observed (approximately 10 feet of sand present in well)
SHMW-08S	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Inaccessible	None Observed	None Observed	None Observed	None Observed
SHMW-08I	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Inaccessible	None Observed	NR	None Observed	None Observed
SHMW-09S	None Observed	None Observed	None Observed	None Observed	None Observed	Well Inaccessible	None Observed	None Observed	None Observed	Well Inaccessible
SHMW-09I	None Observed	NR	NR	NR	NR	NR	NR	NR	None Observed	None Observed
SHMW-10S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-10I	None Observed	NR	NR	NR	NR	NR	NR	NR	None Observed	None Observed
SHMW-11S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-11I	None Observed	NR	NR	NR	NR	NR	NR	NR	None Observed	None Observed
SHMW-12S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-12I	None Observed	NR	NR	NR	NR	NR	NR	NR	None Observed	None Observed
SHMW-13S	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-13I	None Observed	NR	NR	NR	NR	NR	NR	NR	None Observed	None Observed

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2013

Well ID	Jun/Q2 2010 Observations	Sep/Q3 2010 Observations	Dec/Q4 2010 Observations	Mar/Q1 2011 Observations	Jun/Q2 2011 Observations	Sep/Q3 2011 Observations	Dec/Q4 2011 Observations	Mar/Q1 2012 Observations	June/Q2 2012 Observations	Sep/Q3 2012 Observations
MW-01	Well Abandoned	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	Well Abandoned
MW-03	Well Abandoned	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	Well Abandoned
MW-05	Well Destroyed	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	Well Abandoned
SHMW-01S/01SR	Well Abandoned	Well Abandoned	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-01I/01IR	Well Abandoned	Well Abandoned	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-01D	NI	NI	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-02S	NI	NI	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-02I/02IR	Well Abandoned	Well Abandoned	None Observed	Well Damaged	Well Damaged	Well Damaged	None Observed	None Observed	None Observed	None Observed
SHMW-02D/02DR	Well Abandoned	Well Abandoned	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	None Observed
SHMW-03I	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-04S/04SR	Well Abandoned	Well Abandoned	Trace LNAPL - DNAPL observed on tubing	Trace LNAPL - DNAPL observed on tubing	Trace LNAPL - DNAPL observed on tubing	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	Well Abandoned

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2013

Well ID	Jun/Q2 2010 Observations	Sep/Q3 2010 Observations	Dec/Q4 2010 Observations	Mar/Q1 2011 Observations	Jun/Q2 2011 Observations	Sep/Q3 2011 Observations	Dec/Q4 2011 Observations	Mar/Q1 2012 Observations	June/Q2 2012 Observations	Sep/Q3 2012 Observations
SHMW-05S/05SR	Well Abandoned	Well Abandoned	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-05I/05IR	Well Abandoned	Well Abandoned	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	Well Abandoned
SHMW-06I	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-07S/07SR	Well Inaccessible	Well Inaccessible	Trace LNAPL - DNAPL observed on tubing	Trace LNAPL - DNAPL observed on tubing	Trace LNAPL - DNAPL observed on tubing	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-07I/07IR	Well Inaccessible	Well Inaccessible	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	None Observed
SHMW-08I	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-09S	None Observed	None Observed	No access	No access	No access	No access	No access	No access	No access	No access
SHMW-09I	None Observed	None Observed	No access	No access	No access	No access	No access	No access	No access	No access
SHMW-10S	None Observed	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	None Observed
SHMW-11S	None Observed	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	None Observed
SHMW-12S	None Observed	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	None Observed
SHMW-13S	None Observed	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	None Observed

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2013

Well ID	Dec/Q4 2012 Observations	Mar/Q1 2013 Observations	June/Q2 2013 Observations
MW-01	Well Abandoned	Well Abandoned	Well Abandoned
MW-02	Well Abandoned	Well Abandoned	Well Abandoned
MW-03	Well Abandoned	Well Abandoned	Well Abandoned
MW-04	Well Abandoned	Well Abandoned	Well Abandoned
MW-05	Well Destroyed	Well Destroyed	Well Destroyed
MW-06	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-01S/01SR	None Observed	None Observed	None Observed
SHMW-01I/01IR	None Observed	None Observed	None Observed
SHMW-01D	None Observed	None Observed	None Observed
SHMW-02S	None Observed	None Observed	None Observed
SHMW-02I/02IR	None Observed	None Observed	None Observed
SHMW-02D/02DR	None Observed	None Observed	None Observed
SHMW-03S	None Observed	None Observed	None Observed
SHMW-03I	None Observed	None Observed	None Observed
SHMW-04S/04SR	None Observed	None Observed	None Observed
SHMW-04I	Well Abandoned	Well Abandoned	Well Abandoned

Table 2. Summary of Historical NAPL Observations
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2013

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

								Duplicate of:		Duplicate of:					
Location Name	NYS AWQS	SHMW-01SR	SHMW-02S	SHMW-03S	SHMW-04SR	SHMW-05SR	SHMW-07SR	SHMW-07SR	SHMW-08S	SHMW-08S	SHMW-09S	SHMW-10S	SHMW-11S	SHMW-12S	SHMW-13S
Sample Date		6/11/2013	6/11/2013	6/11/2013	6/26/2013	6/11/2013	6/11/2013	6/11/2013	6/26/2013	6/26/2013	6/26/2013	6/11/2013	6/26/2013	6/26/2013	6/26/2013
Analyte															
BTEX (ug/L)															
Benzene	1	1 U	1 U	1 U	**8**	**280**	**260**	**260**	**4**	**4**	**140**	1 U	1 U	**140**	1 U
Toluene	5	**2**	**1**	1 U	1 U	**13**	**12**	**13**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	**2**	**1**	1 U	**3**	**200**	**350**	**340**	1 U	1 U	**26**	1 U	1 U	**11**	1 U
Total Xylene	5	**4**	**3**	1 U	**3**	**190**	**230**	**230**	**2**	**2**	**32**	1 U	1 U	**24**	1 U
Total BTEX	NE	**8**	**5**	ND	**14**	**683**	**852**	**843**	**6**	**6**	**198**	ND	ND	**175**	ND
Other VOCs (ug/L)															
Methyl tert-butyl ether (MTBE)	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**4 J**	**4 J**	10 U	10 U	10 U	10 U	10 U
Total VOCs	NE	**8**	**5**	ND	**14**	**683**	**852**	**843**	**10**	**10**	**198**	ND	ND	**175**	ND
NYSDEC PAH17 (ug/L)															
Acenaphthene	20*	10 U	10 U	**7 J**	**26**	**100**	**61**	**60**	**30**	**26**	**87 DJ**	10 U	10 U	**6 J**	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	**2 J**	**4 J**	**4 J**	**1 J**	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	**7 J**	**17**	**17**	**5 J**	**4 J**	**2 J**	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	**9 J**	**10**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	**6 J**	**5 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	**2 J**	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	NE	10 U	10 U	10 U	10 U	10 U	**3 J**	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	**7 J**	**6 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	**8 J**	**9 J**	10 U	10 U	10 U	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	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	**4 J**	**21**	**23**	**5 J**	**4 J**	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	**2 J**	**6 J**	**25**	**24**	**23**	**16**	**14**	**17**	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	**2 J**	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NE	10 U	10 U	10 U	**2 J**	10 U	**48**	**54**	**1 J**	10 U	**93 DJ**	10 U	10 U	**4 J**	10 U
Naphthalene	10*	10 U	10 U	**2 J**	**62**	10 U	**640**	**800**	**54**	**45**	**360 D**	10 U	10 U	**400 D**	10 U
Phenanthrene	50*	10 U	10 U	**3 J**	**4 J**	**32**	**71**	**71**	**34**	**27**	**16**	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	**5 J**	**27**	**31**	**5 J**	**4 J**	10 U	10 U	10 U	10 U	10 U
Total PAH (17)	NE	ND	ND	**14**	**100**	**175**	**950**	**1119**	**151**	**124**	**575**	ND	ND	**410**	ND

Table 3. Summary of BTEX, MTBE, and PAH Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2013

General Notes:

µg/L - micrograms per liter or parts per billion (ppb)
BTEX - benzene, toluene, ethylbenzene, and xylenes
VOCs - volatile organic compounds
PAHs - polycyclic aromatic hydrocarbons

Total BTEX, Total VOCs, 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

NE - not established
ND - not detected; total concentration is listed as ND because no compounds were detected in the group

Bolding indicates a detected concentration
Gray shading indicates that the detected result value exceeds NYS AWQS

Data Qualifiers:

D - Results for dilution
J - estimated value
U - indicates not detected to the reporting limit

Table 4. Summary of Historical BTEX Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2013

Well No.	Screen Interval (feet)	BTEX Concentrations (µg/L)													
		Sampling Date													
		1995	2000		2002	2004		2005				2006			
		Nov	Mar	Apr	May	May	Aug	Mar/Apr	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
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
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
MW-04	1.25 - 6.81	864	35	--	10	208	--	0	0	225	299	268	193	181	101
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
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
SHMW-01I/01IR	35.0 - 45.0	--	--	5	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
SHMW-02D/02DR	65.0 - 75.0	--	--	5	4	0	--	--	--	--	0	--	--	--	0
SHMW-03S	2.0 - 12.0	--	--	63	0	110	--	48	53	46	75	131	67	97	13
SHMW-03I	35.0 - 45.0	--	--	0	52	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
SHMW-04I	35.0 - 45.0	--	--	5	0	0	--	--	--	--	0	--	--	--	0
SHMW-05S/05SR	2.0 - 12.0	--	--	37	69	83	--	107	282	2,960	115	202	45	43	26
SHMW-05I/05IR	35.0 - 45.0	--	--	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
SHMW-06I	35.0 - 45.0	--	--	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
SHMW-07I/07IR	35.0 - 45.0	--	--	0	0	0	--	--	--	--	0	--	--	--	0
SHMW-08S	1.0 - 7.0	--	--	5	2	9	--	0	14	0	15	11	0	19	0
SHMW-08I	35.0 - 45.0	--	--	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
SHMW-09I	35.0 -45.0	--	--	0	0	0	--	--	--	--	0	--	--	--	0
SHMW-10S	5.0 -15.0	--	--	--	0	0	--	0	0	0	0	0	0	0	0
SHMW-10I	35.5 - 45.5	--	--	--	0	0	--	--	--	--	0	--	--	--	0
SHMW-11S	3.5 - 13.5	--	--	--	0	0	--	0	0	0	0	0	0	0	0
SHMW-11I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0
SHMW-12S	1.5 - 6.5	--	--	--	0	344	--	142	930	69	290	140	463	581	182
SHMW-12I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0
SHMW-13S	1.5 - 6.5	--	--	--	0	0	--	0	0	0	0	0	0	0	0
SHMW-13I	35.0- 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0

Table 4. Summary of Historical BTEX Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2013

Well No.	Screen Interval (feet)	BTEX Concentrations (µg/L)											
		Sampling Date											
		2007				2008				2009			
		March	June	Sept	Dec	March	June	Sep	Dec	March	June	Sept	Dec
MW-01	1.50 - 7.32	160	240	150	270	337	141	208	--	--	--	--	--
MW-02	0.50 - 7.25	8,678	12,810	15,181	98	8,865	7,415	2,240	--	--	--	--	--
MW-03	2.17 - 10.17	1,680	2,930	3,225	2,831	2,842	2,241	2,875	--	--	--	--	--
MW-04	1.25 - 6.81	0	51	89	66	--	15	79	--	--	--	--	--
MW-05	2.46 - 7.46	--	--	--	--	--	--	--	--	--	--	--	--
MW-06	2.47 - 7.47	0	37	31	0	1	33	7	--	--	--	--	--
SHMW-01S/01SR	1.0 - 6.0	691	2,460	2,600	1,684	1,595	306	243	--	--	--	--	--
SHMW-01I/01IR	35.0 - 45.0	0	--	--	--	--	--	--	--	--	--	--	--
SHMW-01D	65.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-02S	1.0 - 6.0	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-02I/02IR	35.0 - 45.0	--	11	12	15	18	41	29	--	--	--	--	--
SHMW-02D/02DR	65.0 - 75.0	--	--	--	0	--	--	--	--	--	--	--	--
SHMW-03S	2.0 - 12.0	122	80	12	50	3	0	5	13	111	24	4	9
SHMW-03I	35.0 - 45.0	--	--	--	0	--	--	--	0	--	0	--	0
SHMW-04S/04SR	2.0 - 12.0	6,883	20,488	16,120	10,378	7,567	8,059	7,561	--	--	--	--	--
SHMW-04I	35.0 - 45.0	--	--	--	0	--	--	--	--	--	--	--	--
SHMW-05S/05SR	2.0 - 12.0	35	458	676	98	77	83	64	--	--	--	--	--
SHMW-05I/05IR	35.0 - 45.0	--	--	--	0	--	--	--	--	--	--	--	--
SHMW-06S	2.0 - 6.0	1,475	2,285	2,162	1,565	1,296	1,343	1,298	--	--	--	--	--
SHMW-06I	35.0 - 45.0	--	--	--	0	--	--	--	--	--	--	--	--
SHMW-07S/07SR	1.0 - 11.0	185	--	2,139	726	--	1,075	1,374	--	--	1,500	3,472	2,183
SHMW-07I/07IR	35.0 - 45.0	--	--	--	0	--	--	--	--	--	--	--	--
SHMW-08S	1.0 - 7.0	0	0	0	12	8	9	10	--	--	5	5	4
SHMW-08I	35.0 - 45.0	--	--	--	0	--	--	--	--	--	0	--	0
SHMW-09S	2.0 - 12.0	418	1,240	178	600	1,039	1,298	671	483	--	584	455	224
SHMW-09I	35.0 -45.0	--	--	--	0	--	--	--	0	--	0	--	0
SHMW-10S	5.0 -15.0	0	0	0	0	0	1	0	0	0	0	0	0
SHMW-10I	35.5 - 45.5	--	--	--	0	--	--	--	0	--	0	--	0
SHMW-11S	3.5 - 13.5	0	0	0	0	0	0	0	0	0	0	0	0
SHMW-11I	35.0 - 45.0	--	--	--	0	--	--	--	0	--	0	--	0
SHMW-12S	1.5 - 6.5	85	623	81	0	166	482	111	279	28	315	45	58
SHMW-12I	35.0 - 45.0	--	--	--	23	--	--	--	0	--	--	--	2
SHMW-13S	1.5 - 6.5	0	0	0	0	0	0	0	0	0	0	0	0
SHMW-13I	35.0- 45.0	--	--	--	0	--	--	--	0	--	0	--	0

Table 4. Summary of Historical BTEX Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2013

Well No.	Screen Interval (feet)	BTEX Concentrations (µg/L)																
		Sampling Date														Min	Max	Mean
		2010				2011				2012				2013				
		March	June	Sept	Dec	March	June	Sept	Dec	March	June	Sept	Dec	March	June			
MW-01	1.50 - 7.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	2,720	112
MW-02	0.50 - 7.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	98	15,181	9,335
MW-03	2.17 - 10.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	560	4,965	2,479
MW-04	1.25 - 6.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	864	107
MW-05	2.46 - 7.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5	18,900	5,202
MW-06	2.47 - 7.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	334	35
SHMW-01S/01SR	1.0 - 6.0	--	--	--	0	1	0	0	3	0	0	0	0	1	8	0	5,183	1,090
SHMW-01I/01IR	35.0 - 45.0	--	--	--	0	--	--	--	3	--	--	--	0	--	--	0	5	1
SHMW-01D	65.0 - 75.0	--	--	--	0	--	--	--	3	--	--	--	0	--	--	0	3	1
SHMW-02S	1.0 - 6.0	--	--	--	3	0	3	0	5	1	0	0	0	0	5	0	5	2
SHMW-02I/02IR	35.0 - 45.0	--	--	--	4	0	--	--	14	--	--	--	0	--	--	0	1,179	66
SHMW-02D/02DR	65.0 - 75.0	--	--	--	0	--	--	--	0	--	--	--	0	--	--	0	5	1
SHMW-03S	2.0 - 12.0	40	5	0	9	24	2	3	18	0	1	1	0	6	0	0	131	34
SHMW-03I	35.0 - 45.0	--	--	--	0	--	--	--	0	--	--	--	0	--	--	0	52	4
SHMW-04S/04SR	2.0 - 12.0	--	--	--	2,717	702	469	292	572	391	709	654	449	158	14	14	25,860	7,915
SHMW-04I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	5	1
SHMW-05S/05SR	2.0 - 12.0	--	--	--	20	22	25	27	45	25	29	28	16	16	683	16	2,960	221
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	1,825	3,946	--	858	455	1,172	607	700	1,418	670	2,822	251	1,289	852	185	3,946	1,487
SHMW-07I/07IR	35.0 - 45.0	--	--	--	0	--	--	--	11	--	--	--	0	--	--	0	11	1
SHMW-08S	1.0 - 7.0	6	13	4	9	7	10	5	9	5	7	2	6	5	6	0	19	6
SHMW-08I	35.0 - 45.0	--	--	--	0	--	--	--	5	--	--	--	0	--	--	0	5	0
SHMW-09S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	130	165	167	198	130	1,298	643
SHMW-09I	35.0 -45.0	--	--	--	--	--	--	--	--	--	--	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	0	1	0
SHMW-10I	35.5 - 45.5	--	--	--	0	--	--	--	5	--	--	--	0	--	--	0	5	0
SHMW-11S	3.5 - 13.5	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	8	0
SHMW-11I	35.0 - 45.0	--	--	--	0	--	--	--	0	--	--		0	--	--	0	0	0
SHMW-12S	1.5 - 6.5	222	217	8	70	82	672	473	337	127	434	41	19	87	175	0	930	233
SHMW-12I	35.0 - 45.0	--	--	--	0	--	--	--	6	--	--	--	0	--	--	0	23	3
SHMW-13S	1.5 - 6.5	0	0	0	0	0	0	3	3	12	0	0	0	0	0	0	12	1
SHMW-13I	35.0- 45.0	--	--	--	0	--	--	--	0	--	--	--	0	--	--	0	0	0

General 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 - Q2 2013

Well No.	Screen Interval (feet)	Total PAH Concentrations (µg/L)													
		Sampling Date													
		1995	2000		2002	2004		2005				2006			
		Nov	Mar	Apr	May	May	Aug	Mar/Apr	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
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
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
MW-04	1.25 - 6.81	3,612	75	--	0	90	--	0	22	1,098	103	11	37	66	31
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
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
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
SHMW-02D/02DR	65.0 - 75.0	--	--	308	76	89	--	--	--	--	0	--	--	--	0
SHMW-03S	2.0 - 12.0	--	--	422	0	295	--	79	130	117	339	0	0	147	118
SHMW-03I	35.0 - 45.0	--	--	2	320	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
SHMW-04I	35.0 - 45.0	--	--	18	0	0	--	--	--	--	0	--	--	--	0
SHMW-05S/05SR	2.0 - 12.0	--	--	13	170	94	--	82	91	26	53	17	11	11	110
SHMW-05I/05IR	35.0 - 45.0	--	--	0	17	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
SHMW-06I	35.0 - 45.0	--	--	2	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
SHMW-07I/07IR	35.0 - 45.0	--	--	0	0	0	--	--	--	--	0	--	--	--	2,212
SHMW-08S	1.0 - 7.0	--	--	110	71	94	--	25	70	33	83	112	57	77	99
SHMW-08I	35.0 - 45.0	--	--	13	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
SHMW-09I	35.0 -45.0	--	--	3	0	0	--	--	--	--	0	--	--	--	0
SHMW-10S	5.0 -15.0	--	--	--	22	6	--	0	0	0	0	0	0	0	0
SHMW-10I	35.5 - 45.5	--	--	--	0	0	--	--	--	--	0	--	--	--	0
SHMW-11S	3.5 - 13.5	--	--	--	0	3	--	173	0	0	0	0	0	0	0
SHMW-11I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0
SHMW-12S	1.5 - 6.5	--	--	--	60	218	--	71	600	230	260	110	470	310	280
SHMW-12I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0
SHMW-13S	1.5 - 6.5	--	--	--	0	0	--	0	0	0	0	0	0	0	0
SHMW-13I	35.0- 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0

Table 5. Summary of Historical Total PAH Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2013

Well No.	Screen Interval (feet)	Total PAH Concentrations (µg/L)											
		Sampling Date											
		2007				2008				2009			
		March	June	Sept	Dec	March	June	Sep	Dec	March	June	Sept	Dec
MW-01	1.50 - 7.32	0	54	87	39	145	2	35	--	--	--	--	--
MW-02	0.50 - 7.25	3,150	7,421	5,398	165	400	3,455	3,488	--	--	--	--	--
MW-03	2.17 - 10.17	349	489	463	2,904	508	96	1,109	--	--	--	--	--
MW-04	1.25 - 6.81	0	66	238	6	--	0	22	--	--	--	--	--
MW-05	2.46 - 7.46	--	--	--	--	--	--	--	--	--	--	--	--
MW-06	2.47 - 7.47	35	46	17	0	0	0	10	--	--	--	--	--
SHMW-01S/01SR	1.0 - 6.0	0	1,058	1,691	42	0	0	0	--	--	--	--	--
SHMW-01I/01IR	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-01D	65.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-02S	1.0 - 6.0	--	--	--	--	--	--	--	--	--	--	--	--
SHMW-02I/02IR	35.0 - 45.0	0	10	175	32	8	42	209	--	--	--	--	--
SHMW-02D/02DR	65.0 - 75.0	--	--	--	15	--	--	--	--	--	--	--	--
SHMW-03S	2.0 - 12.0	430	191	12	154	0	0	17	29	0	20	0	0
SHMW-03I	35.0 - 45.0	--	--	--	0	--	--	--	0	--	0	--	0
SHMW-04S/04SR	2.0 - 12.0	2,632	3,999	4,693	4,305	0	1,328	1,868	--	--	--	--	--
SHMW-04I	35.0 - 45.0	--	--	--	0	--	--	--	--	--	--	--	--
SHMW-05S/05SR	2.0 - 12.0	0	0	14	8	2	0	31	--	--	--	--	--
SHMW-05I/05IR	35.0 - 45.0	--	--	--	0	--	--	--	--	--	--	--	--
SHMW-06S	2.0 - 6.0	1,703	3,574	4,368	380	0	44	5,848	--	--	--	--	--
SHMW-06I	35.0 - 45.0	--	--	--	0	--	--	--	--	--	--	--	--
SHMW-07S/07SR	1.0 - 11.0	0	--	3,902	4	--	54	3,252	--	--	2,919	4,722	5,286
SHMW-07I/07IR	35.0 - 45.0	--	--	--	0	--	--	--	--	--	--	--	--
SHMW-08S	1.0 - 7.0	13	90	10	13	14	21	55	--	--	59	60	112
SHMW-08I	35.0 - 45.0	--	--	--	0	--	--	--	--	--	1	--	0
SHMW-09S	2.0 - 12.0	48	206	2,246	130	0	92	485	503	--	68	39	389
SHMW-09I	35.0 -45.0	--	--	--	0	--	--	--	0	--	0	--	0
SHMW-10S	5.0 -15.0	0	0	0	1	0	0	0	0	0	0	0	0
SHMW-10I	35.5 - 45.5	--	--	--	0	--	--	--	0	--	0	--	0
SHMW-11S	3.5 - 13.5	0	0	0	0	0	0	0	0	0	0	2	0
SHMW-11I	35.0 - 45.0	--	--	--	4	--	--	--	0	--	0	--	0
SHMW-12S	1.5 - 6.5	15	560	0	155	9	137	259	280	0	332	4	216
SHMW-12I	35.0 - 45.0	--	--	--	20	--	--	--	0	--	--	--	0
SHMW-13S	1.5 - 6.5	0	0	0	0	0	0	0	0	0	0	0	0
SHMW-13I	35.0- 45.0	--	--	--	0	--	--	--	0	--	0	--	0

Table 5. Summary of Historical Total PAH Results
Sag Harbor Former MGP Site
Groundwater Monitoring Program - Q2 2013

Well No.	Screen Interval (feet)	Total PAH Concentrations (µg/L)																
		Sampling Date														Min	Max	Mean
		2010				2011				2012				2013				
		March	June	Sept	Dec	March	June	Sept	Dec	March	June	Sept	Dec	March	June			
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	0	0	4	7	21	0	0	8	0	0	4,147	865
SHMW-01I/01IR	35.0 - 45.0	--	--	--	0	--	--	--	0	--	--	--	0	--	--	0	32	4
SHMW-01D	65.0 - 75.0	--	--	--	0	--	--	--	0	--	--	--	0	--	--	0	0	0
SHMW-02S	1.0 - 6.0	--	--	--	0	0	0	0	0	5	0	0	0	5	0	0	5	1
SHMW-02I/02IR	35.0 - 45.0	--	--	--	9	3	--	--	0	--	--	--	56	--	--	0	580,200	25,302
SHMW-02D/02DR	65.0 - 75.0	--	--	--	0	--	--	--	0	--	--	--	0	--	--	0	308	54
SHMW-03S	2.0 - 12.0	0	22	0	0	2	7	25	22	6	10	22	2	23	14	0	430	72
SHMW-03I	35.0 - 45.0	--	--	--	0	--	--	--	0	--	--	--	0	--	--	0	320	27
SHMW-04S/04SR	2.0 - 12.0	--	--	--	3,598	1,440	978	811	942	581	1,296	1,195	639	402	100	0	6,669	2,887
SHMW-04I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	18	3
SHMW-05S/05SR	2.0 - 12.0	--	--	--	0	4	167	273	131	309	219	420	20	107	175	0	420	88
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	3,410	4,547	--	1,456	0	1,736	885	955	927	444	4,342	419	2620	950	0	7,211	2,765
SHMW-07I/07IR	35.0 - 45.0	--	--	--	0	--	--	--	4	--	--	--	0	--	--	0	2,212	246
SHMW-08S	1.0 - 7.0	129	201	34	3	11	185	195	35	152	111	113	182	95	151	3	201	82
SHMW-08I	35.0 - 45.0	--	--	--	0	--	--	--	0	--	--	--	0	--	--	0	13	1
SHMW-09S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	787	690	721	575	0	2,737	980
SHMW-09I	35.0 -45.0	--	--	--	--	--	--	--	--	--	--	0	0	--	--	0	3	0
SHMW-10S	5.0 -15.0	0	0	0	0	0	0	0	1	0	3	0	0	ND	0	0	22	1
SHMW-10I	35.5 - 45.5	--	--	--	0	--	--	--	0	--	--	--	0	--	--	0	0	0
SHMW-11S	3.5 - 13.5	0	0	0	0	0	0	2	4	6	0	0	2	1	0	0	173	5
SHMW-11I	35.0 - 45.0	--	--	--	0	--	--	--	0	--	--	--	0	--	--	0	4	0
SHMW-12S	1.5 - 6.5	177	585	3	0	0	584	739	513	154	361	217	104	62	410	0	739	236
SHMW-12I	35.0 - 45.0	--	--	--	0	--	--	--	2	--	--	--	0	--	--	0	20	2
SHMW-13S	1.5 - 6.5	0	0	0	0	0	0	3	2	2	0	0	0	0	0	0	3	0
SHMW-13I	35.0- 45.0	--	--	--	0	--	--	--	1	--	--	--	0	--	--	0	1	0

General 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

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SITE LOCATION MAP

September 2013

Figure 1

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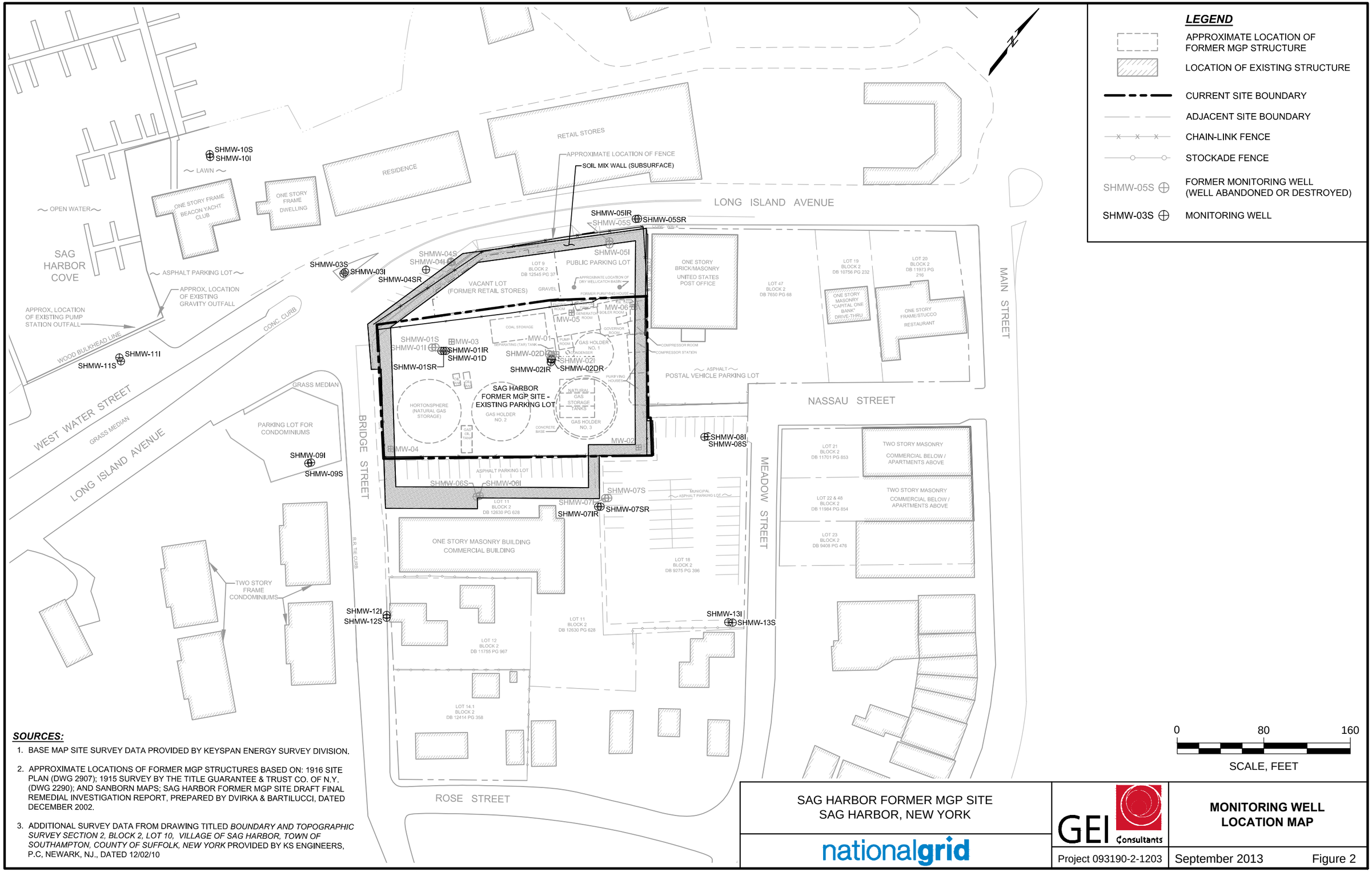

SOURCES:

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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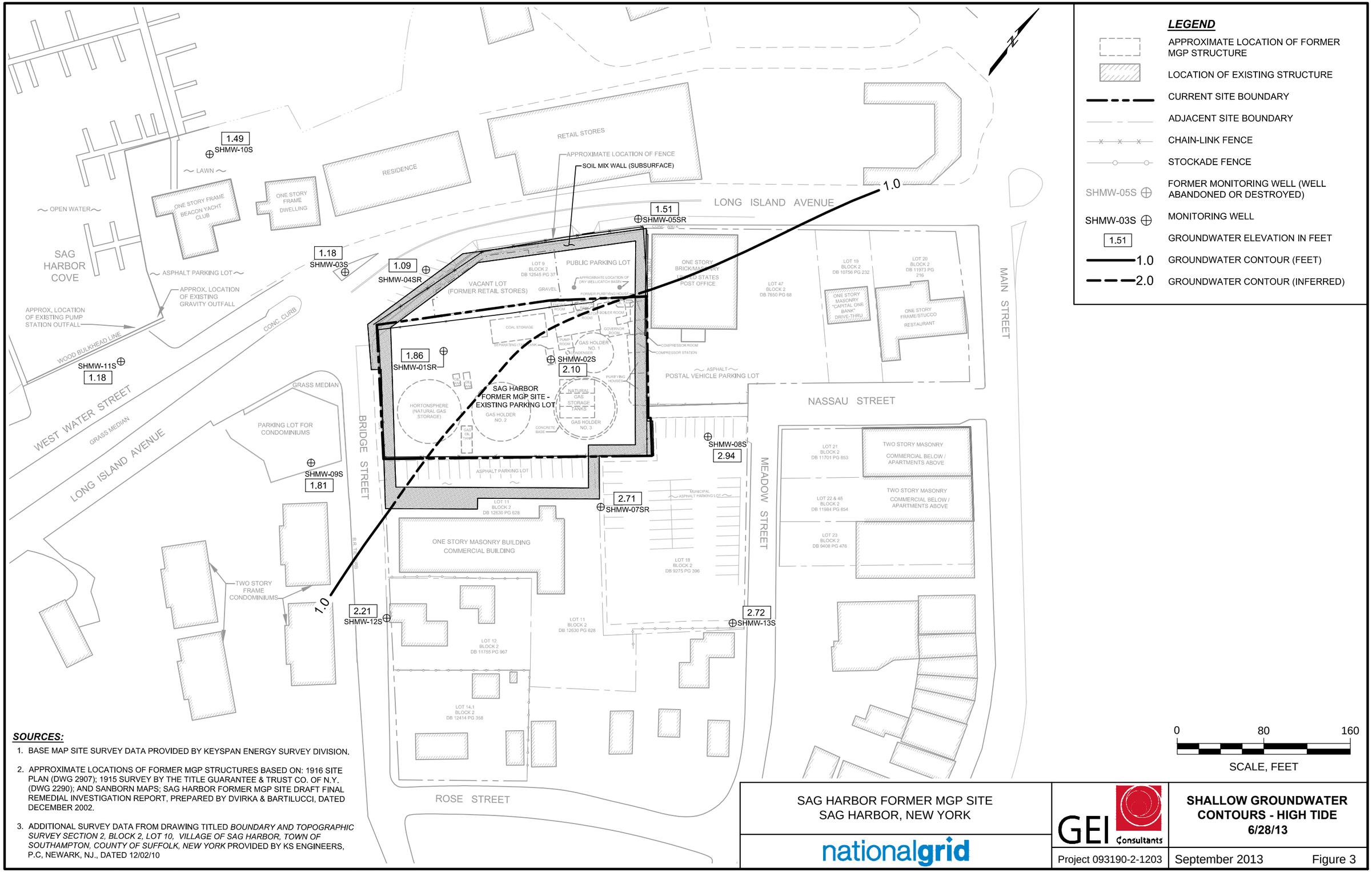
MONITORING WELL LOCATION MAP

Project 093190-2-1203 | September 2013 | Figure 2

I:\PROJECT\NATIONAL GRID\SAG HARBOR\GROUNDWATER-QUARTERLY MONITORING\2013\FIGURES\SAG HARBOR-GW CONTOURS Q2-2013.DWG



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SHALLOW GROUNDWATER CONTOURS - HIGH TIDE 6/28/13

Project 093190-2-1203 | September 2013 | Figure 3

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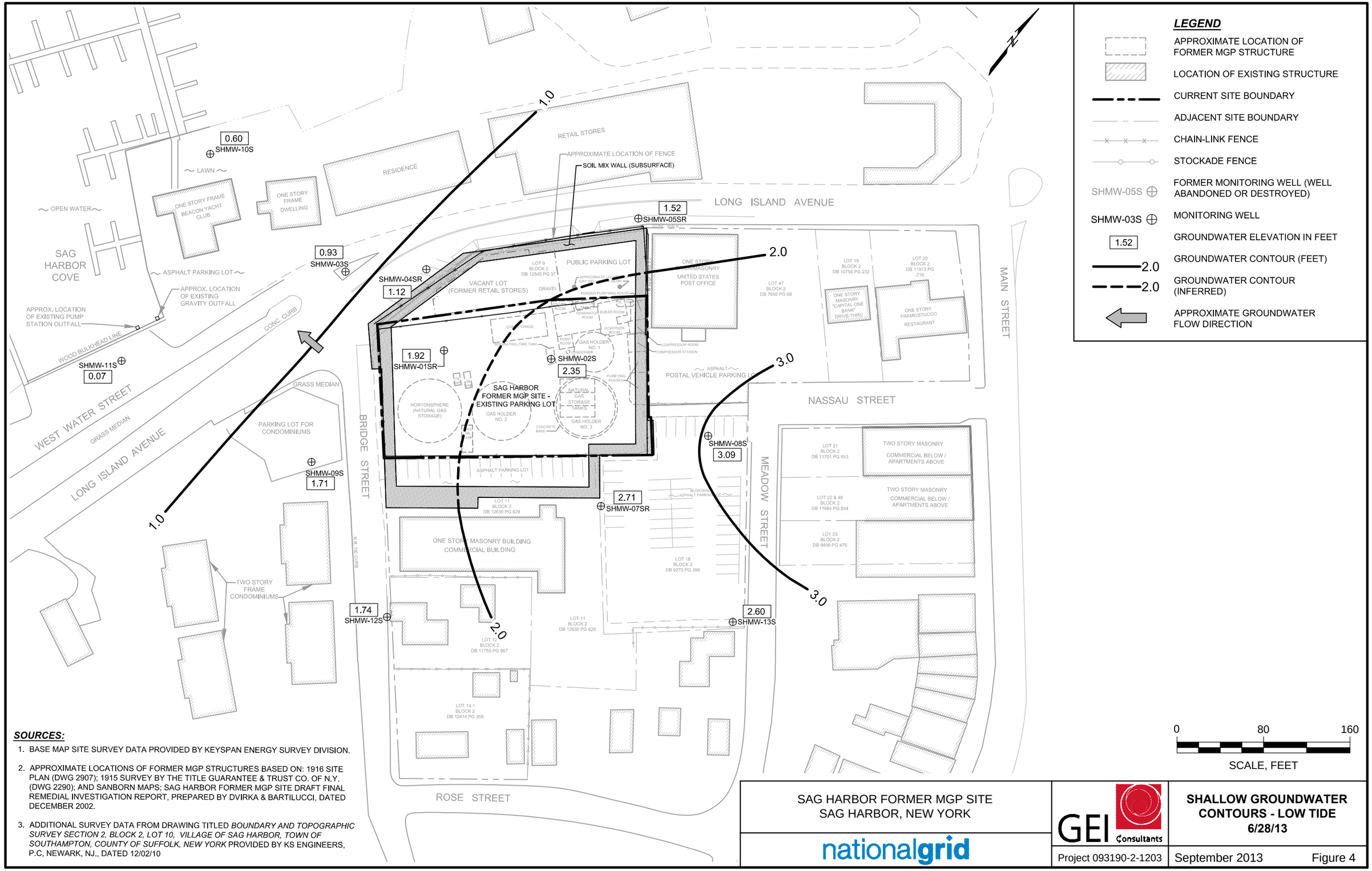

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SHALLOW GROUNDWATER CONTOURS - LOW TIDE 6/28/13

Project 093190-2-1203 | September 2013 | Figure 4

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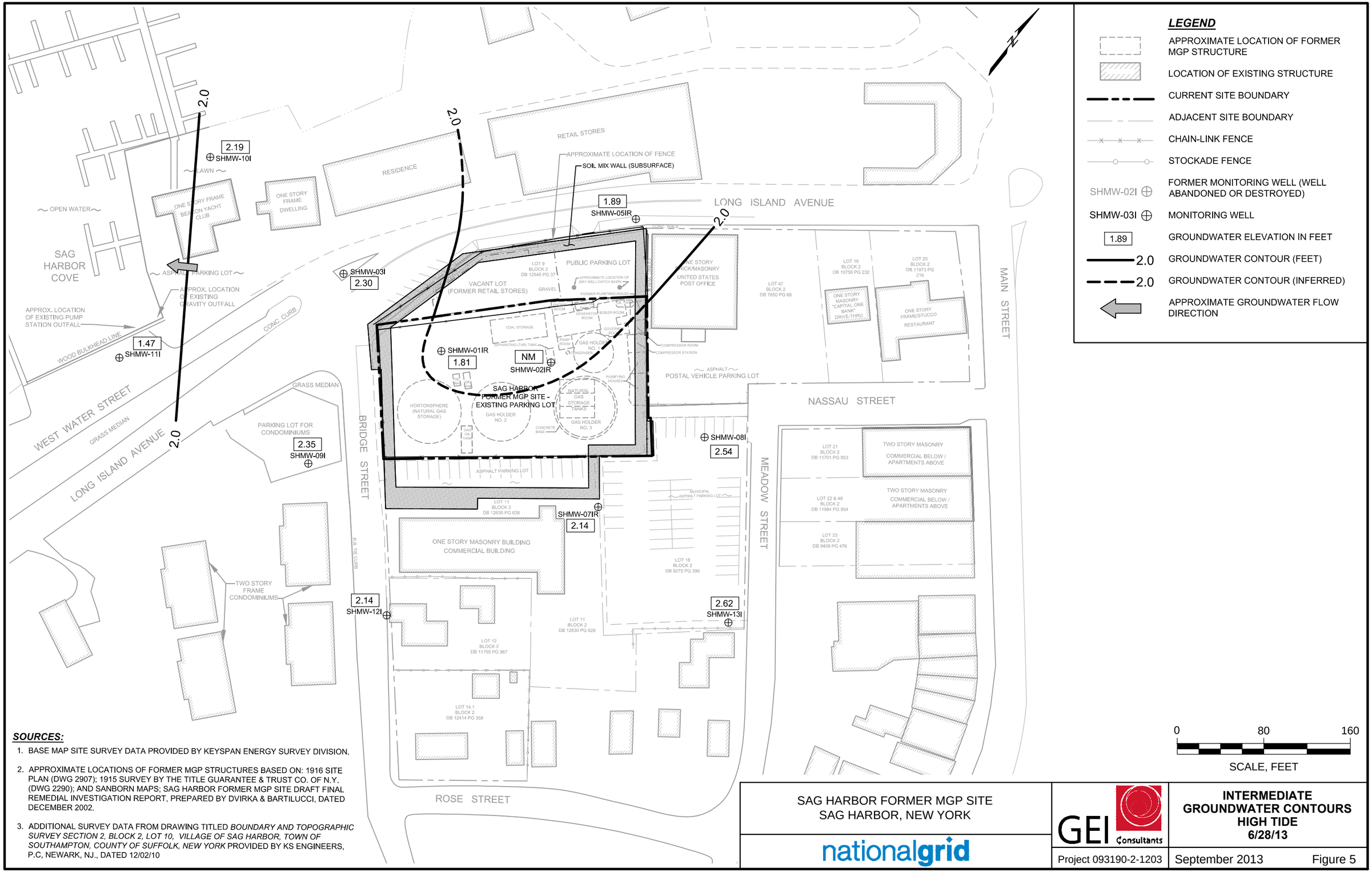

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INTERMEDIATE GROUNDWATER CONTOURS HIGH TIDE 6/28/13

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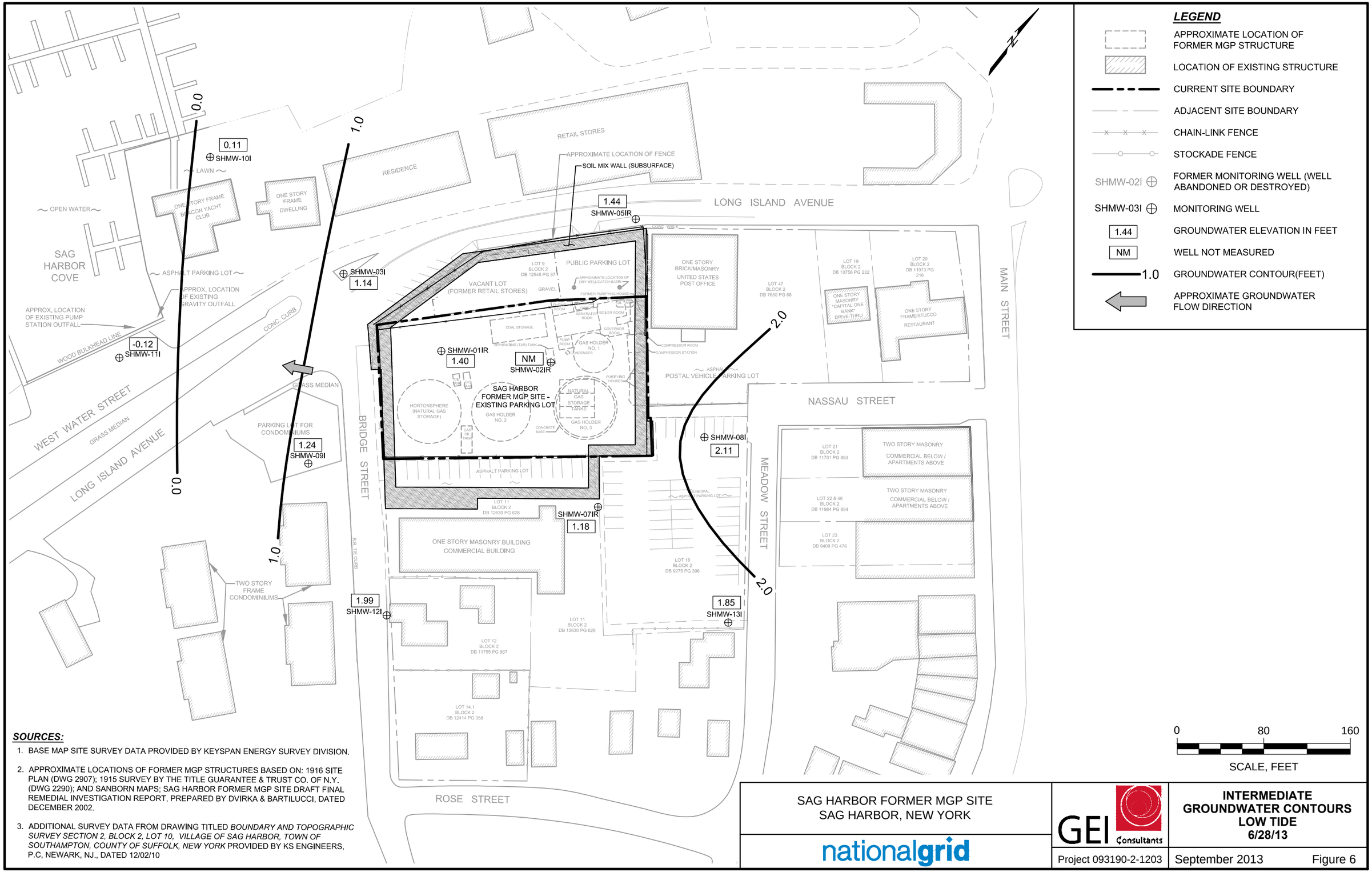

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INTERMEDIATE GROUNDWATER CONTOURS LOW TIDE 6/28/13

Project 093190-2-1203 | September 2013 | Figure 6

I:\PROJECT\NATIONAL GRID\SAG HARBOR\GROUNDWATER-QUARTERLY MONITORING\2013\FIGURES\SAG HARBOR-GW CONTOURS Q2-2013.DWG