



Geotechnical  
Environmental  
Water Resources  
Ecological

**Quarterly Groundwater Monitoring Report  
First Quarter (Q1) 2014**

**Sag Harbor  
Former MGP Site**

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

**Submitted to:**

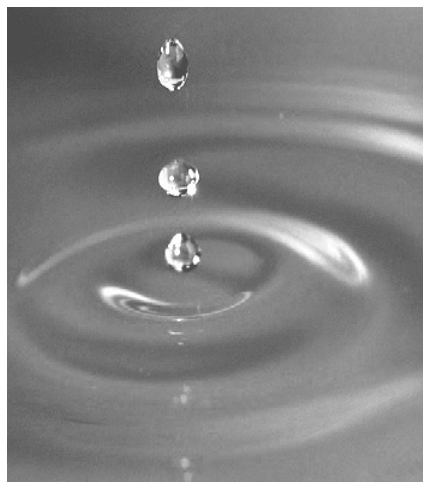
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# 1. Sag Harbor Site and Adjacent Offsite Areas

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## First Quarter (Q1) 2014 Groundwater Monitoring Event Summary

Event Date: March 18, 19, and 21, 2014

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 March 19, 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 Q1 2014, are provided in the following table:

| Depth Zone   | High Tide        |                  |                       | Low Tide         |                  |                       |
|--------------|------------------|------------------|-----------------------|------------------|------------------|-----------------------|
|              | Range            |                  | Gradient <sup>3</sup> | Range            |                  | Gradient <sup>3</sup> |
|              | DTW <sup>1</sup> | WLE <sup>2</sup> |                       | DTW <sup>1</sup> | WLE <sup>2</sup> |                       |
| Shallow      | 0.47 – 5.21      | 0.11 – 3.10      | 0.0022                | 0.30 – 5.50      | -0.18 – 3.63     | 0.0046                |
| Intermediate | 1.47 – 5.00      | 0.25 – 2.17      | 0.0018                | 1.49 – 5.85      | -0.22 – 2.30     | 0.0024                |

Notes:

- <sup>1</sup>: Depth to water - Measured as feet below top of casing
- <sup>2</sup>: Water level elevation - Calculated as feet above mean sea level
- <sup>3</sup>: Feet/Feet

## NAPL Thickness Data

**Table 2** provides a summary of historical non-aqueous phase liquid (NAPL) data. In Q1 2014, 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 Q1 2014.

## Chemical Data

In Q1 2014, 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 March 18 and 21, 2014 and included all wells on the annual sampling list.

Chemical data for Q1 2014 (**Table 3**) indicate:

- BTEX concentrations ranged from below method detection limits (ND) in five of the 12 wells sampled to 769 micrograms per liter (µg/L) in SHMW-07SR.
- Total PAH concentrations ranged from ND in four of the 12 wells sampled to 1,733 µg/L in SHMW-07SR.
- MTBE concentrations were ND in each of the wells sampled, excluding an estimated detection of 7 µg/L in SHMW-08S.

## Data Trend Analysis

### Shallow Zone

In general, BTEX and total PAH concentrations (see historical data in **Tables 4** and **5**) have been generally decreasing in shallow groundwater on and adjacent to the site, as indicated in the table below. BTEX concentrations in shallow wells have generally been variable but have decreased in the current sampling event, and remain significantly below historical levels (see table on following page). Total PAH concentrations have decreased in recent sampling events and have also remained below historical levels.

| Shallow Zone | Historical* |         | Q3 2014 |         | Q4 2013 |         | Q1 2014 |         |
|--------------|-------------|---------|---------|---------|---------|---------|---------|---------|
|              | Max         | Average | Max     | Average | Max     | Average | Max     | Average |
| BTEX         | 25,860      | 943     | 972     | 184     | 1,846   | 275     | 769     | 97      |
| Total PAHs   | 7,211**     | 663     | 4,030   | 623     | 1,916   | 369     | 1,733   | 240     |

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 seven shallow monitoring wells in Q1 2014. The concentrations in monitoring wells SHMW-03S (3 µg/L), SHMW-05SR (13 µg/L) and SHMW-08S (8 µg/L), were relatively low (below 50 µg/L). The Q4 2013 detections in each of these wells were similar to, or below its respective historical mean concentration.

Elevated BTEX concentrations in the remaining shallow wells in Q1 2014 were limited to SHMW-04SR, SHMW-07SR, SHMW-09S, and SHMW-12S. The Q1 2014 concentrations in monitoring wells SHMW-04SR (145 µg/L) and SHMW-07SR (769 µg/L) decreased significantly compared to Q4 2013, and were significantly below the respective historical mean concentrations. The BTEX concentrations in these two wells remain variable. The BTEX concentrations in monitoring wells SHMW-09S (155 µg/L) and SHMW-12S (67 µg/L) increased slightly during Q1 2014, but remained within their respective historical means.

For total PAH concentrations, eight shallow wells had detections in Q1 2014. The concentrations in monitoring wells SHMW-03S (5 µg/L) and SHMW-11S (1 µg/L) remained near detection levels.

Elevated total PAH concentrations in the remaining shallow wells in Q1 2014 were limited to SHMW-01SR, SHMW-04SR, SHMW-05SR, SHMW-07SR, SHMW-08S, and SHMW-09S. Total PAH concentrations increased in monitoring wells SHMW-01SR (67 µg/L), SHMW-07SR (1,733 µg/L), and SHMW-09S (560 µg/L), and decreased in monitoring wells SHMW-04SR (190 µg/L) and SHMW-05SR (171 µg/L). The concentration in SHMW-08S (147 µg/L) remained stable. Excluding SHMW-05SR and SHMW-08S, the Q1 2014 detections were within the respective historical means. The total PAH concentration in monitoring well SHMW-01SR was the highest value recorded during the post-remedial period, while the concentration in monitoring well SHMW-04SR decreased to near the post-remedial period minimum.

### 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 (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. To date, no 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 2014. Thicknesses in this well will continue to be monitored during future sampling events.

### **Future Plans**

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

## Tables

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**Table 1. Water Level Measurements and Calculated Groundwater Elevations**  
**Sag Harbor Former MGP Site**  
**Groundwater Monitoring Program - Q1 2014**

| Well ID   | Top of Casing<br>Elevation (ft)* | Tide | Time | 3/19/2014              |                               | Notes                     |
|-----------|----------------------------------|------|------|------------------------|-------------------------------|---------------------------|
|           |                                  |      |      | Depth to<br>Water (ft) | Groundwater<br>Elevation (ft) |                           |
| SHMW-01SR | 3.71                             | High | 1329 | 2.32                   | 1.39                          | Well replaced in Q4 2010  |
|           |                                  | Low  | 0734 | 2.15                   | 1.56                          |                           |
| SHMW-01IR | 3.81                             | High | 1330 | 2.42                   | 1.39                          | Well replaced in Q4 2010  |
|           |                                  | Low  | 0734 | 2.78                   | 1.03                          |                           |
| SHMW-01D  | 3.67                             | High | 1333 | 1.83                   | 1.84                          | Well installed in Q4 2010 |
|           |                                  | Low  | 0738 | 2.40                   | 1.27                          |                           |
| SHMW-02S  | 3.95                             | High | 1323 | 1.52                   | 2.43                          | Well installed in Q4 2010 |
|           |                                  | Low  | 0730 | 0.32                   | 3.63                          |                           |
| SHMW-02IR | 3.92                             | High | NM   | NM                     | NM                            | Survey point altered      |
|           |                                  | Low  | NM   | NM                     | NM                            |                           |
| SHMW-02DR | 3.66                             | High | 1307 | 2.15                   | 1.51                          | Well replaced in Q4 2010  |
|           |                                  | Low  | 0732 | 2.80                   | 0.86                          |                           |
| SHMW-03S  | 3.83                             | High | 1346 | 3.15                   | 0.68                          |                           |
|           |                                  | Low  | 0750 | 3.30                   | 0.53                          |                           |
| SHMW-03I  | 3.85                             | High | 1348 | 2.25                   | 1.60                          |                           |
|           |                                  | Low  | 0753 | 3.00                   | 0.85                          |                           |
| SHMW-04SR | 3.90                             | High | 1344 | 3.00                   | 0.90                          | Well replaced in Q4 2010  |
|           |                                  | Low  | 0745 | 3.14                   | 0.76                          |                           |
| SHMW-05SR | 5.03                             | High | 1339 | 3.96                   | 1.07                          | Well replaced in Q4 2010  |
|           |                                  | Low  | 0738 | 4.00                   | 1.03                          |                           |
| SHMW-05IR | 4.96                             | High | 1340 | 4.00                   | 0.96                          | Well replaced in Q4 2010  |
|           |                                  | Low  | 0742 | 3.98                   | 0.98                          |                           |
| SHMW-07SR | 3.48                             | High | 1411 | 0.74                   | 2.74                          |                           |
|           |                                  | Low  | 0820 | 0.47                   | 3.01                          |                           |
| SHMW-07IR | 3.38                             | High | 1410 | 1.77                   | 1.61                          |                           |
|           |                                  | Low  | 0801 | 1.90                   | 1.48                          |                           |
| SHMW-08S  | 3.69                             | High | 1404 | 0.59                   | 3.10                          |                           |
|           |                                  | Low  | 0814 | 0.79                   | 2.90                          |                           |
| SHMW-08I  | 3.79                             | High | 1403 | 1.90                   | 1.89                          |                           |
|           |                                  | Low  | 0816 | 1.49                   | 2.30                          |                           |
| SHMW-09S  | 3.06                             | High | 1357 | 1.41                   | 1.65                          |                           |
|           |                                  | Low  | 0801 | 1.38                   | 1.68                          |                           |
| SHMW-09I  | 2.82                             | High | 1359 | 1.47                   | 1.35                          |                           |
|           |                                  | Low  | 0800 | 1.81                   | 1.01                          |                           |
| SHMW-10S  | 4.75                             | High | 1349 | 3.23                   | 1.52                          |                           |
|           |                                  | Low  | 0755 | 4.60                   | 0.15                          |                           |
| SHMW-10I  | 4.75                             | High | 1350 | 4.50                   | 0.25                          |                           |
|           |                                  | Low  | 0755 | 4.80                   | -0.05                         |                           |
| SHMW-11S  | 5.32                             | High | 1352 | 5.21                   | 0.11                          |                           |
|           |                                  | Low  | 0759 | 5.50                   | -0.18                         |                           |
| SHMW-11I  | 5.63                             | High | 1355 | 5.00                   | 0.63                          |                           |
|           |                                  | Low  | 0800 | 5.85                   | -0.22                         |                           |
| SHMW-12S  | 1.98                             | High | 1400 | +0.11                  | 2.09                          | Artesian                  |
|           |                                  | Low  | 0810 | +0.21                  | 2.19                          |                           |
| SHMW-12I  | 1.99                             | High | 1402 | +0.18                  | 2.17                          | Artesian                  |
|           |                                  | Low  | 0812 | +0.25                  | 2.24                          |                           |
| SHMW-13S  | 3.36                             | High | 1405 | 0.47                   | 2.89                          |                           |
|           |                                  | Low  | 0823 | 0.30                   | 3.06                          |                           |
| SHMW-13I  | 3.50                             | High | 1405 | 2.10                   | 1.40                          |                           |
|           |                                  | Low  | 0823 | 2.00                   | 1.50                          |                           |

**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 - Q1 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                 | 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 - Q1 2014**

| Well ID       | May 2002<br>Observations                  | May 2004<br>Observations               | Aug 2004<br>Observations | Oct 2004<br>Observations | Nov 2004<br>Observations | Dec 2004<br>Observations | Jan 2005<br>Observations | Feb 2005<br>Observations | Mar 2005<br>Observations | Apr/Q1 2005<br>Observations |
|---------------|-------------------------------------------|----------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------------|
| SHMW-05S/05SR | None Observed                             | Blebs of DNAPL in<br>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<br>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<br>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-<br>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-<br>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 - Q1 2014**

| 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       |
|---------------|-------------------------------|------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|-------------------------------------|-------------------------------------|----------------------------------------------------|----------------------------------------------------|--------------------------------|
| MW-01         | 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             |
| 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                  |
| 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) |
| MW-05         | Approx. 3.0' of DNAPL         | Approx. 0.75' of DNAPL, approx. 0.12' of LNAPL | DNAPL blebs in purge H <sub>2</sub> O, 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                 |
| MW-06         | NR                            | NR                                             | NR                                                                 | NR                                            | NR                                  | NR                                  | NR                                                 | None Observed                                      | NR                             |
| SHMW-01S/01SR | NR                            | NR                                             | NR                                                                 | NR                                            | NR                                  | NR                                  | NR                                                 | None Observed                                      | NR                             |
| SHMW-01I/01IR | NR                            | NR                                             | NR                                                                 | NR                                            | NR                                  | NR                                  | NR                                                 | None Observed                                      | 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 | 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) |
| SHMW-02D/02DR | NR                            | NR                                             | NR                                                                 | NR                                            | NR                                  | NR                                  | NR                                                 | None Observed                                      | NR                             |
| SHMW-03S      | NR                            | NR                                             | NR                                                                 | NR                                            | NR                                  | NR                                  | NR                                                 | None Observed                                      | NR                             |
| SHMW-03I      | NR                            | NR                                             | NR                                                                 | NR                                            | NR                                  | NR                                  | NR                                                 | None Observed                                      | 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             |
| SHMW-04I      | NR                            | NR                                             | NR                                                                 | NR                                            | NR                                  | NR                                  | NR                                                 | None Observed                                      | NR                             |

**Table 2. Summary of Historical NAPL Observations**  
**Sag Harbor Former MGP Site**  
**Groundwater Monitoring Program - Q1 2014**

| Well ID       | Jun/Q2 2005<br>Observations | Sep/Q3 2005<br>Observations      | Dec/Q4 2005<br>Observations                   | Mar/Q1 2006<br>Observations | Jun/Q2 2006<br>Observations | Sep/Q3 2006<br>Observations | Dec/Q4 2006<br>Observations       | Mar/Q1 2007<br>Observations       | Jun/Q2 2007<br>Observations       |
|---------------|-----------------------------|----------------------------------|-----------------------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| SHMW-05S/05SR | None Observed               | None Observed                    | None Observed                                 | No DNAPL observed           | None Observed               | None Observed               | None Observed                     | None Observed                     | None Observed                     |
| SHMW-05I/05IR | NR                          | NR                               | NR                                            | NR                          | NR                          | NR                          | NR                                | None Observed                     | NR                                |
| SHMW-06S      | NR                          | Trace DNAPL at<br>bottom of tape | Approx. 0.10' DNAPL,<br>naphthalene-like odor | Trace DNAPL                 | Approx. 0.2' of DNAPL       | Approx. 0.2' of DNAPL       | Trace DNAPL (coating<br>on tubes) | Trace DNAPL (coating<br>on tubes) | Trace DNAPL (coating<br>on tubes) |
| SHMW-06I      | NR                          | NR                               | NR                                            | NR                          | NR                          | NR                          | NR                                | None Observed                     | NR                                |
| SHMW-07S/07SR | NR                          | NR                               | NR                                            | NR                          | NR                          | NR                          | NR                                | None Observed                     | NR                                |
| SHMW-07I/07IR | NR                          | NR                               | NR                                            | NR                          | NR                          | NR                          | NR                                | None Observed                     | NR                                |
| SHMW-08S      | NR                          | NR                               | NR                                            | NR                          | NR                          | NR                          | NR                                | None Observed                     | NR                                |
| SHMW-08I      | NR                          | NR                               | NR                                            | NR                          | NR                          | NR                          | NR                                | None Observed                     | NR                                |
| SHMW-09S      | NR                          | NR                               | NR                                            | NR                          | NR                          | NR                          | NR                                | None Observed                     | NR                                |
| SHMW-09I      | NR                          | NR                               | NR                                            | NR                          | NR                          | NR                          | NR                                | None Observed                     | NR                                |
| SHMW-10S      | NR                          | NR                               | NR                                            | NR                          | NR                          | NR                          | NR                                | None Observed                     | NR                                |
| SHMW-10I      | NR                          | NR                               | NR                                            | NR                          | NR                          | NR                          | NR                                | None Observed                     | NR                                |
| SHMW-11S      | NR                          | NR                               | NR                                            | NR                          | NR                          | NR                          | NR                                | None Observed                     | NR                                |
| SHMW-11I      | NR                          | NR                               | NR                                            | NR                          | NR                          | NR                          | NR                                | None Observed                     | NR                                |
| SHMW-12S      | NR                          | NR                               | NR                                            | NR                          | NR                          | NR                          | NR                                | None Observed                     | NR                                |
| SHMW-12I      | NR                          | NR                               | NR                                            | NR                          | NR                          | NR                          | NR                                | None Observed                     | NR                                |
| SHMW-13S      | NR                          | NR                               | NR                                            | NR                          | NR                          | NR                          | NR                                | None Observed                     | NR                                |
| SHMW-13I      | NR                          | NR                               | NR                                            | NR                          | NR                          | NR                          | NR                                | None Observed                     | NR                                |

**Table 2. Summary of Historical NAPL Observations**  
**Sag Harbor Former MGP Site**  
**Groundwater Monitoring Program - Q1 2014**

| Well ID       | 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 | Sep/Q3 2009 Observations |
|---------------|--------------------------------|--------------------------|---------------------------------------|---------------------------------|-----------------------------------------|--------------------------------|--------------------------|--------------------------|--------------------------|
| MW-01         | NR                             | None Observed            | None Observed                         | Trace DNAPL                     | Trace DNAPL (at bottom of tubing)       | Well Inaccessible or Abandoned | Well Abandoned           | Well Abandoned           | Well Abandoned           |
| MW-02         | Approx. 0.11' DNAPL            | Approx. ~0.08'           | Trace DNAPL                           | Moderate DNAPL; not measureable | Trace DNAPL                             | Well Inaccessible or Abandoned | Well Abandoned           | Well Abandoned           | Well Abandoned           |
| MW-03         | 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           | Well Abandoned           |
| MW-04         | 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           | 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                             | None Observed            | None Observed                         | None Observed                   | None Observed                           | Well Inaccessible or Abandoned | Well Abandoned           | Well Abandoned           | Well Abandoned           |
| SHMW-01S/01SR | NR                             | None Observed            | None Observed                         | None Observed                   | None Observed                           | Well Inaccessible or Abandoned | Well Abandoned           | Well Abandoned           | Well Abandoned           |
| SHMW-01I/01IR | NR                             | None Observed            | NR                                    | NR                              | NR                                      | Well Inaccessible or Abandoned | Well 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) | Approx. ~0.60'           | Approx. 3' DNAPL                      | Approx. 1.5' DNAPL              | Approx. 4' DNAPL                        | Well Inaccessible or Abandoned | Well Abandoned           | Well Abandoned           | Well Abandoned           |
| SHMW-02D/02DR | NR                             | None Observed            | NR                                    | NR                              | NR                                      | Well Inaccessible or Abandoned | Well Abandoned           | Well Abandoned           | Well Abandoned           |
| SHMW-03S      | NR                             | None Observed            | None Observed                         | None Observed                   | None Observed                           | None Observed                  | None Observed            | None Observed            | None Observed            |
| SHMW-03I      | NR                             | None Observed            | NR                                    | NR                              | NR                                      | None Observed                  | NR                       | None Observed            | NR                       |
| SHMW-04S/04SR | 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           | Well Abandoned           |
| SHMW-04I      | NR                             | None Observed            | NR                                    | NR                              | NR                                      | Well Inaccessible or Abandoned | Well Abandoned           | Well Abandoned           | Well Abandoned           |

**Table 2. Summary of Historical NAPL Observations**  
**Sag Harbor Former MGP Site**  
**Groundwater Monitoring Program - Q1 2014**

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

**Table 2. Summary of Historical NAPL Observations**  
**Sag Harbor Former MGP Site**  
**Groundwater Monitoring Program - Q1 2014**

| Well ID       | Dec/Q4 2009<br>Observations | Mar/Q1 2010<br>Observations | Jun/Q2 2010<br>Observations | Sep/Q3 2010<br>Observations | Dec/Q4 2010<br>Observations                  | Mar/Q1 2011<br>Observations                  | Jun/Q2 2011<br>Observations                  | Sep/Q3 2011<br>Observations | Dec/Q4 2011<br>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              | None Observed                                | None Observed                                | None Observed                                | None Observed               | None Observed               |
| SHMW-01I/01IR | Well Abandoned              | Well Abandoned              | Well Abandoned              | Well Abandoned              | None Observed                                | None Observed                                | None Observed                                | None Observed               | None Observed               |
| SHMW-01D      | NI                          | NI                          | NI                          | NI                          | None Observed                                | None Observed                                | None Observed                                | None Observed               | None Observed               |
| SHMW-02S      | NI                          | NI                          | NI                          | NI                          | None Observed                                | None Observed                                | None Observed                                | None Observed               | None Observed               |
| SHMW-02I/02IR | Well Abandoned              | Well Abandoned              | Well Abandoned              | Well Abandoned              | None Observed                                | Well Damaged                                 | Well Damaged                                 | Well Damaged                | None Observed               |
| SHMW-02D/02DR | Well Abandoned              | Well Abandoned              | Well Abandoned              | Well Abandoned              | 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 | Well Abandoned              | Well Abandoned              | Well Abandoned              | Well Abandoned              | Trace LNAPL -<br>DNAPL observed on<br>tubing | Trace LNAPL -<br>DNAPL observed on<br>tubing | Trace LNAPL -<br>DNAPL observed on<br>tubing | None Observed               | None Observed               |
| SHMW-04I      | 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 - Q1 2014**

| Well ID       | Dec/Q4 2009<br>Observations                                            | Mar/Q1 2010<br>Observations                                            | Jun/Q2 2010<br>Observations | Sep/Q3 2010<br>Observations | Dec/Q4 2010<br>Observations                  | Mar/Q1 2011<br>Observations                  | Jun/Q2 2011<br>Observations                  | Sep/Q3 2011<br>Observations | Dec/Q4 2011<br>Observations |
|---------------|------------------------------------------------------------------------|------------------------------------------------------------------------|-----------------------------|-----------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------------------|-----------------------------|
| SHMW-05S/05SR | Well Abandoned                                                         | Well Abandoned                                                         | Well Abandoned              | Well Abandoned              | None Observed                                | None Observed                                | None Observed                                | None Observed               | None Observed               |
| SHMW-05I/05IR | Well Abandoned                                                         | Well Abandoned                                                         | Well Abandoned              | Well Abandoned              | 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                                                          | Well Inaccessible           | Well Inaccessible           | Trace LNAPL -<br>DNAPL observed on<br>tubing | Trace LNAPL -<br>DNAPL observed on<br>tubing | Trace LNAPL -<br>DNAPL observed on<br>tubing | None Observed               | None Observed               |
| SHMW-07I/07IR | None Observed<br>(approximately 10 feet<br>of sand present in<br>well) | None Observed<br>(approximately 10 feet<br>of sand present in<br>well) | Well Inaccessible           | Well Inaccessible           | 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      | None Observed                                                          | Well Inaccessible                                                      | None Observed               | None Observed               | No access                                    | No access                                    | No access                                    | No access                   | No access                   |
| SHMW-09I      | None Observed                                                          | None Observed                                                          | None Observed               | None Observed               | 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               |
| 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 - Q1 2014**

| Well ID       | Mar/Q1 2012<br>Observations | Jun/Q2 2012<br>Observations | Sep/Q3 2012<br>Observations | Dec/Q4 2012<br>Observations | Mar/Q1 2013<br>Observations | Jun/Q2 2013<br>Observations | Sep/Q3 2013<br>Observations | Dec/Q4 2013<br>Observations | Mar/Q1 2014<br>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               | Approx. 6" of DNAPL         | None Observed               |
| 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              |

**Table 2. Summary of Historical NAPL Observations**  
**Sag Harbor Former MGP Site**  
**Groundwater Monitoring Program - Q1 2014**

| Well ID       | Mar/Q1 2012<br>Observations | Jun/Q2 2012<br>Observations | Sep/Q3 2012<br>Observations | Dec/Q4 2012<br>Observations | Mar/Q1 2013<br>Observations | Jun/Q2 2013<br>Observations | Sep/Q3 2013<br>Observations | Dec/Q4 2013<br>Observations | Mar/Q1 2014<br>Observations |
|---------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| SHMW-05S/05SR | None Observed               | None Observed               | None Observed               | None Observed               | None Observed               | None Observed               | None Observed               | None Observed               | None Observed               |
| 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                   | None Observed               | None Observed               | None Observed               | None Observed               |
| SHMW-09I      | No access                   | No access                   | No access                   | No access                   | No access                   | None Observed               | 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               |

**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 - Q1 2014**

| Location Name                  |       |          | SHMW-01SR | SHMW-02S  | SHMW-03S  | SHMW-03S  | SHMW-04SR | SHMW-05SR | SHMW-07SR | SHMW-08S  | SHMW-09S  | SHMW-10S  | SHMW-11S  | SHMW-12S  | SHMW-13S  | SHMW-13S  |
|--------------------------------|-------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Sample Name                    |       |          | SHMW-01SR | SHMW-02S  | SHMW-03S  | DUP-01SH  | SHMW-04SR | SHMW-05SR | SHMW-07SR | SHMW-08S  | SHMW-09S  | SHMW-10S  | SHMW-11S  | SHMW-12S  | SHMW-13S  | DUP-02SH  |
| Start Depth                    |       |          | 1         | 1         | 2         | 2         | 2         | 2         | 1         | 1         | 2         | 5         | 3.5       | 1.5       | 1.5       | 1.5       |
| End Depth                      |       |          | 6         | 6         | 12        | 12        | 12        | 12        | 11        | 7         | 12        | 15        | 13.5      | 6.5       | 6.5       | 6.5       |
| Depth Unit                     |       |          | ft        | ft        | ft        | ft        | ft        | ft        | ft        | ft        | ft        | ft        | ft        | ft        | ft        | ft        |
| Sample Date                    |       |          | 3/21/2014 | 3/21/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/21/2014 | 3/18/2014 | 3/21/2014 | 3/18/2014 | 3/21/2014 | 3/21/2014 | 3/21/2014 |
| Parent Sample Code             |       |          |           |           |           | SHMW-03S  |           |           |           |           |           |           |           |           |           | SHMW-13S  |
| Analyte                        | Units | NYS AWQS |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| BTEX                           |       |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Benzene                        | µg/L  | 1        | 1 U       | 1 U       | 3         | 3         | 43        | 10        | 300       | 5         | 120       | 1 U       | 1 U       | 57        | 1 U       | 1 U       |
| Toluene                        | µg/L  | 5        | 1 U       | 1 U       | 1 U       | 1 U       | 3         | 1 U       | 9         | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| Ethylbenzene                   | µg/L  | 5        | 1 U       | 1 U       | 1 U       | 1 U       | 56        | 1         | 310       | 1         | 20        | 1 U       | 1 U       | 3         | 1 U       | 1 U       |
| Total Xylene                   | µg/L  | 5        | 1 U       | 1 U       | 1 U       | 1 U       | 43        | 2         | 150       | 2         | 15        | 1 U       | 1 U       | 7         | 1 U       | 1 U       |
| Total BTEX (ND=0)              | µg/L  | NE       | ND        | ND        | 3         | 3         | 145       | 13        | 769       | 8         | 155       | ND        | ND        | 67        | ND        | ND        |
| Other VOCs                     |       |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Methyl tert-butyl ether (MTBE) | µg/L  | 10*      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 50 U      | 7 J       | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| NYSDEC PAH17                   |       |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Acenaphthene                   | µg/L  | 20*      | 2 J       | 10 U      | 2 J       | 1 J       | 110 D     | 29 J      | 150 J     | 25        | 60        | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Acenaphthylene                 | µg/L  | NE       | 10 U      | 10 U      | 10 U      | 10 U      | 2 J       | 10 U      | 7 J       | 1 J       | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Anthracene                     | µg/L  | 50*      | 10 U      | 10 U      | 10 U      | 10 U      | 6 J       | 10 U      | 36        | 3 J       | 2 J       | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Benzo(a)anthracene             | µg/L  | 0.002*   | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 22        | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Benzo(b)fluoranthene           | µg/L  | 0.002*   | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 12        | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Benzo(k)fluoranthene           | µg/L  | 0.002*   | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 8 J       | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Benzo(g,h,i)perylene           | µg/L  | NE       | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 2 J       | 6 J       | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Benzo(a)pyrene                 | µg/L  | ND       | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 16        | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Chrysene                       | µg/L  | 0.002*   | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 24        | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Dibenz(a,h)anthracene          | µg/L  | NE       | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 1 J       | 3 J       | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Fluoranthene                   | µg/L  | 50*      | 10 U      | 10 U      | 10 U      | 10 U      | 4 J       | 10 U      | 44        | 3 J       | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Fluorene                       | µg/L  | 50*      | 10 U      | 10 U      | 10 U      | 10 U      | 27        | 8 J       | 44        | 13        | 13        | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Indeno(1,2,3-cd)pyrene         | µg/L  | 0.002*   | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 6 J       | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| 2-Methylnaphthalene            | µg/L  | NE       | 10 U      | 10 U      | 10 U      | 10 U      | 3 J       | 7 J       | 150 J     | 3 J       | 4 J       | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Naphthalene                    | µg/L  | 10*      | 65        | 10 U      | 3 J       | 2 J       | 10 U      | 120 D     | 960       | 72        | 470 D     | 10 U      | 1 J       | 10 U      | 10 U      | 10 U      |
| Phenanthrene                   | µg/L  | 50*      | 10 U      | 10 U      | 10 U      | 10 U      | 33        | 4 J       | 190 J     | 24        | 11        | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Pyrene                         | µg/L  | 50*      | 10 U      | 10 U      | 10 U      | 10 U      | 5 J       | 10 U      | 55        | 3 J       | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Total PAH (17) (ND=0)          | µg/L  | NE       | 67        | ND        | 5         | 3         | 190       | 171       | 1733      | 147       | 560       | ND        | 1         | ND        | ND        | ND        |

**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 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

NYSDEC- New York State Department of Environmental Conservation

MGP - Manufactured Gas Plant

NE - not established

ND - not detected

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:**

D - Results for dilution

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 - Q1 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 - Q1 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 | Sept  | Dec |
| 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    | 0     | 0   |
| SHMW-01I/01IR | 35.0 - 45.0            | --                         | --    | --    | --  | --    | --    | --    | --    | --    | --    | --   | 0     | --    | --    | --   | 3   | --    | --   | --    | 0   |
| SHMW-01D      | 65.0 - 75.0            | --                         | --    | --    | --  | --    | --    | --    | --    | --    | --    | --   | 0     | --    | --    | --   | 3   | --    | --   | --    | 0   |
| SHMW-02S      | 1.0 - 6.0              | --                         | --    | --    | --  | --    | --    | --    | --    | --    | --    | --   | 3     | 0     | 3     | 0    | 5   | 1     | 0    | 0     | 0   |
| SHMW-02I/02IR | 35.0 - 45.0            | 18                         | 41    | 29    | --  | --    | --    | --    | --    | --    | --    | --   | 4     | 0     | --    | --   | 14  | --    | --   | --    | 0   |
| SHMW-02D/02DR | 65.0 - 75.0            | --                         | --    | --    | --  | --    | --    | --    | --    | --    | --    | --   | 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    | 1     | 0   |
| SHMW-03I      | 35.0 - 45.0            | --                         | --    | --    | 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  | 654   | 449 |
| SHMW-04I      | 35.0 - 45.0            | --                         | --    | --    | --  | --    | --    | --    | --    | --    | --    | --   | --    | --    | --    | --   | --  | --    | --   | --    | --  |
| SHMW-05S/05SR | 2.0 - 12.0             | 77                         | 83    | 64    | --  | --    | --    | --    | --    | --    | --    | --   | 20    | 22    | 25    | 27   | 45  | 25    | 29   | 28    | 16  |
| SHMW-05I/05IR | 35.0 - 45.0            | --                         | --    | --    | --  | --    | --    | --    | --    | --    | --    | --   | 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  | 2,822 | 251 |
| SHMW-07I/07IR | 35.0 - 45.0            | --                         | --    | --    | --  | --    | --    | --    | --    | --    | --    | --   | 0     | --    | --    | --   | 11  | --    | --   | --    | 0   |
| SHMW-08S      | 1.0 - 7.0              | 8                          | 9     | 10    | --  | --    | 5     | 5     | 4     | 6     | 13    | 4    | 9     | 7     | 10    | 5    | 9   | 5     | 7    | 2     | 6   |
| SHMW-08I      | 35.0 - 45.0            | --                         | --    | --    | --  | --    | 0     | --    | 0     | --    | --    | --   | 0     | --    | --    | --   | 5   | --    | --   | --    | 0   |
| SHMW-09S      | 2.0 - 12.0             | 1,039                      | 1,298 | 671   | 483 | --    | 584   | 455   | 224   | --    | --    | --   | --    | --    | --    | --   | --  | --    | --   | 130   | 165 |
| SHMW-09I      | 35.0 - 45.0            | --                         | --    | --    | 0   | --    | 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    | 0     | 0   |
| SHMW-10I      | 35.5 - 45.5            | --                         | --    | --    | 0   | --    | 0     | --    | 0     | --    | --    | --   | 0     | --    | --    | --   | 5   | --    | --   | --    | 0   |
| SHMW-11S      | 3.5 - 13.5             | 0                          | 0     | 0     | 0   | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 0     | 0     | 0     | 0    | 8   | 0     | 0    | 0     | 0   |
| SHMW-11I      | 35.0 - 45.0            | --                         | --    | --    | 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  | 41    | 19  |
| SHMW-12I      | 35.0 - 45.0            | --                         | --    | --    | 0   | --    | --    | --    | 2     | --    | --    | --   | 0     | --    | --    | --   | 6   | --    | --   | --    | 0   |
| SHMW-13S      | 1.5 - 6.5              | 0                          | 0     | 0     | 0   | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 0     | 0     | 0     | 3    | 3   | 12    | 0    | 0     | 0   |
| SHMW-13I      | 35.0 - 45.0            | --                         | --    | --    | 0   | --    | 0     | --    | 0     | --    | --    | --   | 0     | --    | --    | --   | 0   | --    | --   | --    | 0   |

Table 4. Summary of Historical Total BTEX Results  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q1 2014

| Well No.      | Screen Interval (feet) | BTEX Concentrations (µg/L) |      |      |       |       |       |        |       |
|---------------|------------------------|----------------------------|------|------|-------|-------|-------|--------|-------|
|               |                        | Sampling Date              |      |      |       |       | Min   | Max    | Mean  |
|               |                        | 2013                       |      |      |       | 2014  |       |        |       |
|               |                        | March                      | June | Sept | Dec   | March |       |        |       |
| 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              | 1                          | 8    | 0    | 0     | 0     | 0     | 5,183  | 988   |
| SHMW-01I/01IR | 35.0 - 45.0            | --                         | --   | --   | 1     | --    | 0     | 5      | 1     |
| SHMW-01D      | 65.0 - 75.0            | --                         | --   | --   | 0     | --    | 0     | 3      | 1     |
| SHMW-02S      | 1.0 - 6.0              | 0                          | 5    | 0    | 0     | 0     | 0     | 5      | 1     |
| SHMW-02I/02IR | 35.0 - 45.0            | --                         | --   | --   | 11    | --    | 0     | 1,179  | 63    |
| SHMW-02D/02DR | 65.0 - 75.0            | --                         | --   | --   | 0     | --    | 0     | 5      | 1     |
| SHMW-03S      | 2.0 - 12.0             | 6                          | 0    | 0    | 2     | 3     | 0     | 131    | 31    |
| SHMW-03I      | 35.0 - 45.0            | --                         | --   | --   | 4     | --    | 0     | 52     | 4     |
| SHMW-04S/04SR | 2.0 - 12.0             | 158                        | 14   | 949  | 1,846 | 145   | 14    | 25,860 | 7,265 |
| SHMW-04I      | 35.0 - 45.0            | --                         | --   | --   | --    | --    | 0     | 5      | 1     |
| SHMW-05S/05SR | 2.0 - 12.0             | 16                         | 683  | 17   | 21    | 13    | 13    | 2,960  | 201   |
| SHMW-05I/05IR | 35.0 - 45.0            | --                         | --   | --   | 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             | 1,289                      | 852  | 972  | 1,305 | 769   | 185   | 3,946  | 1,446 |
| SHMW-07I/07IR | 35.0 - 45.0            | --                         | --   | --   | 0     | --    | 0     | 11     | 1     |
| SHMW-08S      | 1.0 - 7.0              | 5                          | 6    | 4    | 3     | 8     | 0     | 19     | 6     |
| SHMW-08I      | 35.0 - 45.0            | --                         | --   | --   | 0     | --    | 0     | 5      | 0     |
| SHMW-09S      | 2.0 - 12.0             | 167                        | 198  | 118  | 93    | 155   | 93    | 1,298  | 587   |
| SHMW-09I      | 35.0 - 45.0            | --                         | --   | --   | 2     | --    | 0     | 2      | 0     |
| SHMW-10S      | 5.0 - 15.0             | 0                          | 0    | 0    | 0     | 0     | 0     | 1      | 0     |
| SHMW-10I      | 35.5 - 45.5            | --                         | --   | --   | 0     | --    | 0     | 5      | 0     |
| SHMW-11S      | 3.5 - 13.5             | 0                          | 0    | 0    | 0     | 0     | 0     | 8      | 0     |
| SHMW-11I      | 35.0 - 45.0            | --                         | --   | --   | 0     | --    | 0     | 0      | 0     |
| SHMW-12S      | 1.5 - 6.5              | 87                         | 175  | 142  | 26    | 67    | 0     | 930    | 221   |
| SHMW-12I      | 35.0 - 45.0            | --                         | --   | --   | 0     | --    | 0     | 23     | 3     |
| SHMW-13S      | 1.5 - 6.5              | 0                          | 0    | 0    | 0     | 0     | 0     | 12     | 0     |
| SHMW-13I      | 35.0 - 45.0            | --                         | --   | --   | 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 - Q1 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 - Q1 2014**

| Well No.      | Screen Interval (feet) | Total PAH Concentrations (µg/L) |       |       |     |       |       |       |       |       |       |       |       |       |       |      |     |
|---------------|------------------------|---------------------------------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----|
|               |                        | Sampling Date                   |       |       |     |       |       |       |       |       |       |       |       |       |       |      |     |
|               |                        | 2008                            |       |       |     | 2009  |       |       |       | 2010  |       |       |       | 2011  |       |      |     |
|               |                        | March                           | June  | Sept  | Dec | March | June  | Sept  | Dec   | March | June  | Sept  | Dec   | March | June  | Sept | Dec |
| 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   | 0   |
| SHMW-01I/01IR | 35.0 - 45.0            | --                              | --    | --    | --  | --    | --    | --    | --    | 0     | --    | --    | --    | 0     | --    | --   | 0   |
| SHMW-01D      | 65.0 - 75.0            | --                              | --    | --    | --  | --    | --    | --    | --    | 0     | --    | --    | --    | 0     | --    | --   | 0   |
| SHMW-02S      | 1.0 - 6.0              | --                              | --    | --    | --  | --    | --    | --    | --    | 0     | 0     | 0     | 0     | 0     | 5     | 0    | 0   |
| SHMW-02I/02IR | 35.0 - 45.0            | 8                               | 42    | 209   | --  | --    | --    | --    | --    | 9     | 3     | --    | --    | 0     | --    | --   | 56  |
| SHMW-02D/02DR | 65.0 - 75.0            | --                              | --    | --    | --  | --    | --    | --    | --    | 0     | --    | --    | --    | 0     | --    | --   | 0   |
| SHMW-03S      | 2.0 - 12.0             | 0                               | 0     | 17    | 29  | 0     | 20    | 0     | 0     | 0     | 22    | 0     | 2     | 7     | 25    | 6    | 22  |
| SHMW-03I      | 35.0 - 45.0            | --                              | --    | --    | 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 |
| SHMW-04I      | 35.0 - 45.0            | --                              | --    | --    | --  | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --   | --  |
| SHMW-05S/05SR | 2.0 - 12.0             | 2                               | 0     | 31    | --  | --    | --    | --    | --    | 0     | 4     | 167   | 273   | 131   | 309   | 219  | 420 |
| SHMW-05I/05IR | 35.0 - 45.0            | --                              | --    | --    | --  | --    | --    | --    | --    | 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 |
| 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  |
| SHMW-08I      | 35.0 - 45.0            | --                              | --    | --    | --  | --    | 1     | --    | 0     | --    | --    | --    | 0     | --    | --    | --   | 0   |
| SHMW-09S      | 2.0 - 12.0             | 0                               | 92    | 485   | 503 | --    | 68    | 39    | 389   | --    | --    | --    | --    | --    | --    | --   | 787 |
| SHMW-09I      | 35.0 - 45.0            | --                              | --    | --    | 0   | --    | 0     | --    | 0     | --    | --    | --    | --    | --    | --    | --   | 0   |
| SHMW-10S      | 5.0 - 15.0             | 0                               | 0     | 0     | 0   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1    | 0   |
| 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   |
| 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 |
| 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   |
| 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 - Q1 2014**

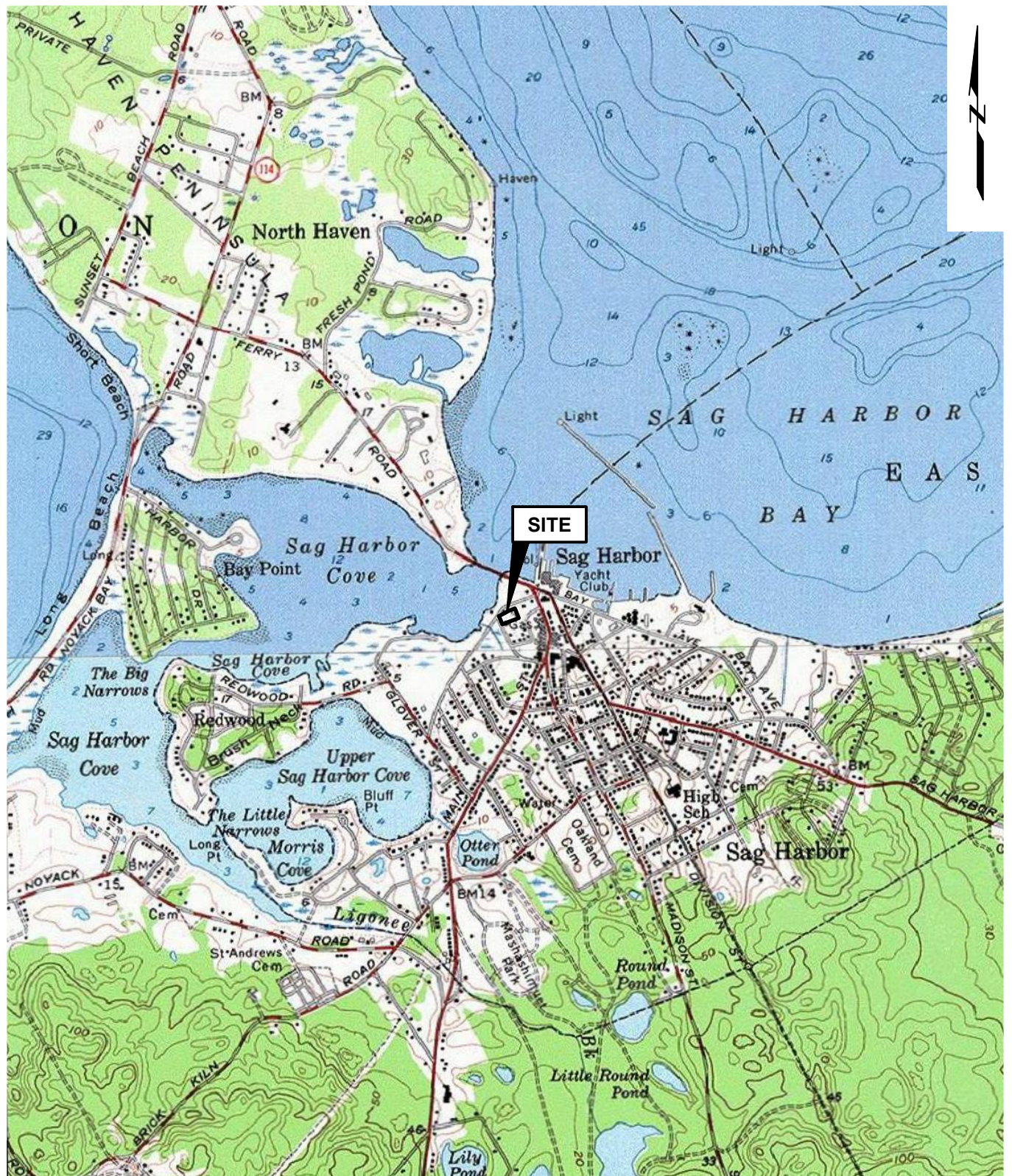
| Well No.      | Screen Interval (feet) | Total PAH Concentrations (µg/L) |      |       |       |       |     |         |        |
|---------------|------------------------|---------------------------------|------|-------|-------|-------|-----|---------|--------|
|               |                        | Sampling Date                   |      |       |       |       | Min | Max     | Mean   |
|               |                        | 2013                            |      |       |       | 2014  |     |         |        |
|               |                        | March                           | June | Sept  | Dec   | March |     |         |        |
| 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              | 8                               | 0    | 0     | 0     | 67    | 0   | 4,147   | 786    |
| SHMW-01I/01IR | 35.0 - 45.0            | --                              | --   | --    | 0     | --    | 0   | 32      | 4      |
| SHMW-01D      | 65.0 - 75.0            | --                              | --   | --    | 0     | --    | 0   | 0       | 0      |
| SHMW-02S      | 1.0 - 6.0              | 5                               | 0    | 0     | 0     | 0     | 0   | 5       | 1      |
| SHMW-02I/02IR | 35.0 - 45.0            | --                              | --   | --    | 245   | --    | 0   | 580,200 | 24,258 |
| SHMW-02D/02DR | 65.0 - 75.0            | --                              | --   | --    | 0     | --    | 0   | 308     | 49     |
| SHMW-03S      | 2.0 - 12.0             | 23                              | 14   | 16    | 6     | 5     | 0   | 430     | 67     |
| SHMW-03I      | 35.0 - 45.0            | --                              | --   | --    | 4     | --    | 0   | 320     | 25     |
| SHMW-04S/04SR | 2.0 - 12.0             | 402                             | 100  | 1,875 | 1,916 | 190   | 0   | 6,669   | 2,741  |
| SHMW-04I      | 35.0 - 45.0            | --                              | --   | --    | --    | --    | 0   | 18      | 3      |
| SHMW-05S/05SR | 2.0 - 12.0             | 107                             | 175  | 155   | 291   | 171   | 0   | 420     | 99     |
| SHMW-05I/05IR | 35.0 - 45.0            | --                              | --   | --    | 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             | 2,620                           | 950  | 4,030 | 1,381 | 1733  | 0   | 7,211   | 2,731  |
| SHMW-07I/07IR | 35.0 - 45.0            | --                              | --   | --    | 1     | --    | 0   | 2,212   | 222    |
| SHMW-08S      | 1.0 - 7.0              | 95                              | 151  | 180   | 148   | 147   | 3   | 201     | 88     |
| SHMW-08I      | 35.0 - 45.0            | --                              | --   | --    | 0     | --    | 0   | 13      | 1      |
| SHMW-09S      | 2.0 - 12.0             | 721                             | 575  | 603   | 211   | 560   | 0   | 2,737   | 924    |
| SHMW-09I      | 35.0 - 45.0            | --                              | --   | --    | 2     | --    | 0   | 3       | 0      |
| SHMW-10S      | 5.0 - 15.0             | 0                               | 0    | 0     | 1     | 0     | 0   | 22      | 1      |
| SHMW-10I      | 35.5 - 45.5            | --                              | --   | --    | 0     | --    | 0   | 0       | 0      |
| SHMW-11S      | 3.5 - 13.5             | 1                               | 0    | 7     | 16    | 1     | 0   | 173     | 6      |
| SHMW-11I      | 35.0 - 45.0            | --                              | --   | --    | 1     | --    | 0   | 4       | 0      |
| SHMW-12S      | 1.5 - 6.5              | 62                              | 410  | 604   | 133   | 0     | 0   | 739     | 236    |
| SHMW-12I      | 35.0 - 45.0            | --                              | --   | --    | 0     | --    | 0   | 20      | 2      |
| SHMW-13S      | 1.5 - 6.5              | 0                               | 0    | 0     | 0     | 0     | 0   | 3       | 0      |
| SHMW-13I      | 35.0 - 45.0            | --                              | --   | --    | 0     | --    | 0   | 1       | 0      |

**NOTES:**

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

## Figures

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**SOURCE:**

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

0 2000 4000



SCALE: 1:2000

Sag Harbor Former MGP Site  
Sag Harbor, New York

**nationalgrid**



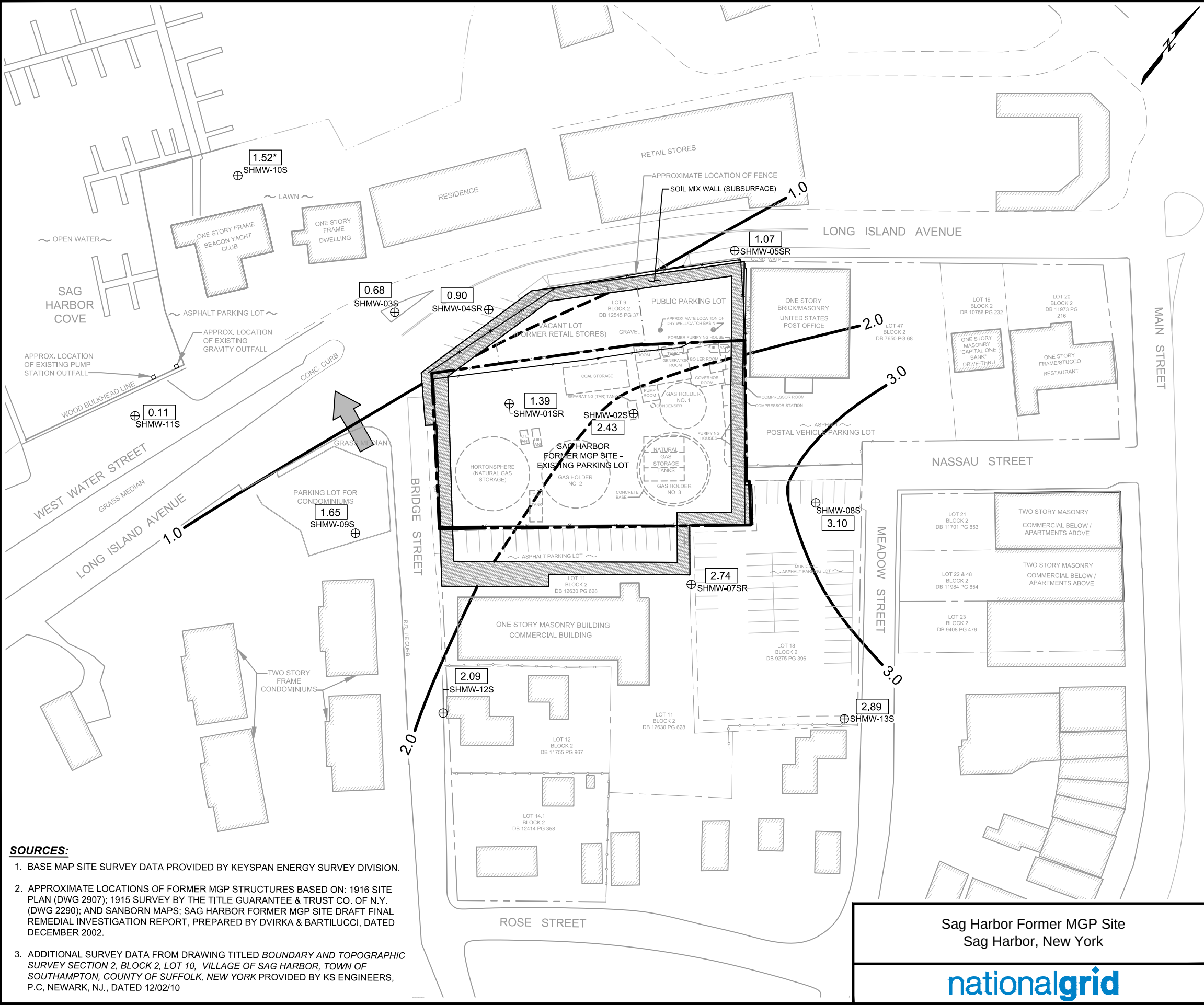
Project 093190

SITE LOCATION MAP

June 2014

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

0.68

GROUNDWATER ELEVATION IN FEET

1.52\*

MEASUREMENT NOT USED TO GENERATE CONTOURS

1.0

GROUNDWATER CONTOUR (FT)

2.0

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.
  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

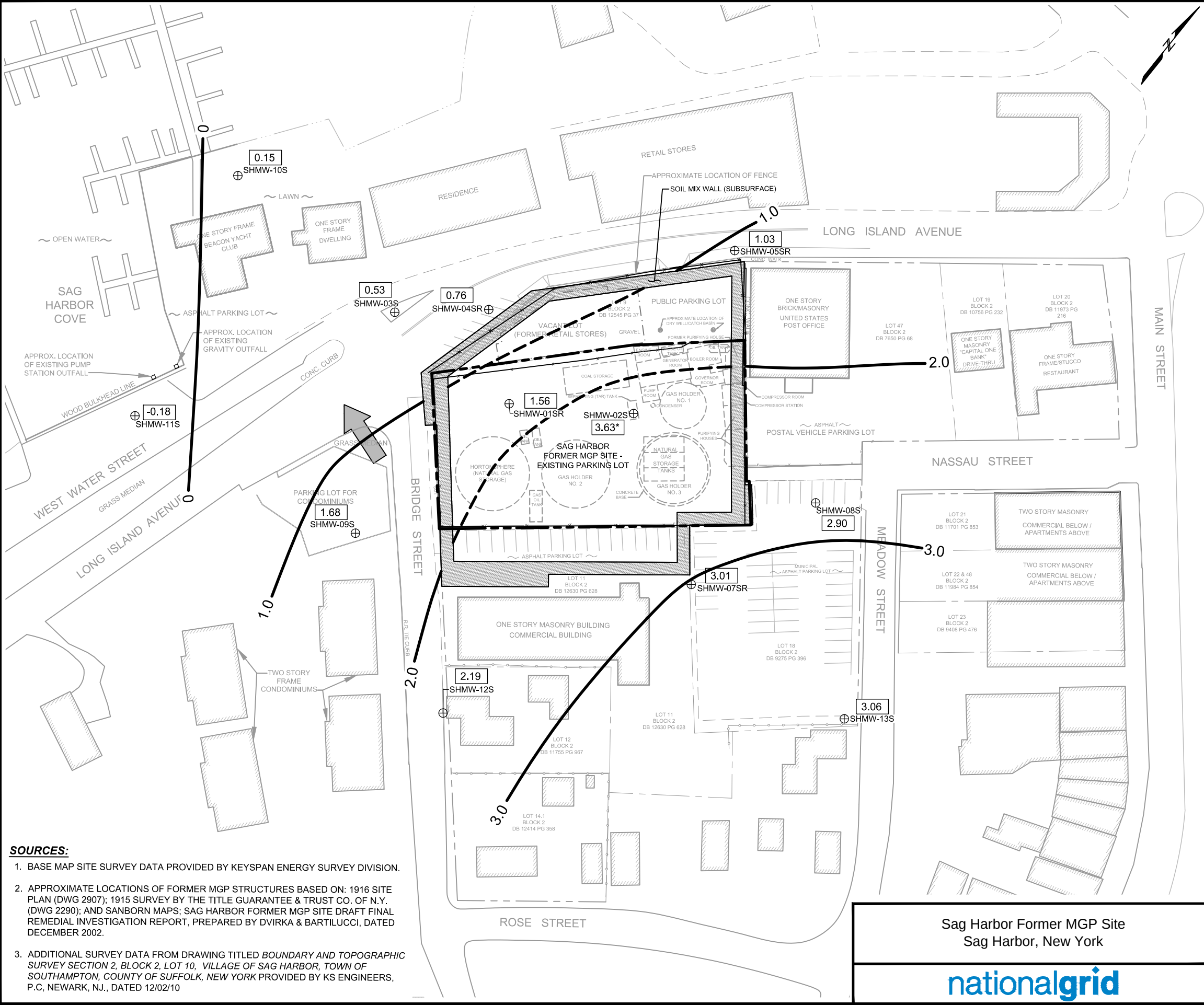
Sag Harbor Former MGP Site  
Sag Harbor, New York

SHALLOW GROUNDWATER  
CONTOURS - HIGH TIDE  
3/19/14

Project 093190

June 2014

Fig. 3



**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

0.53

GROUNDWATER ELEVATION IN FEET

3.63\*

MEASUREMENT NOT USED TO GENERATE CONTOURS

2.0

GROUNDWATER CONTOUR (FT)

2.0

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

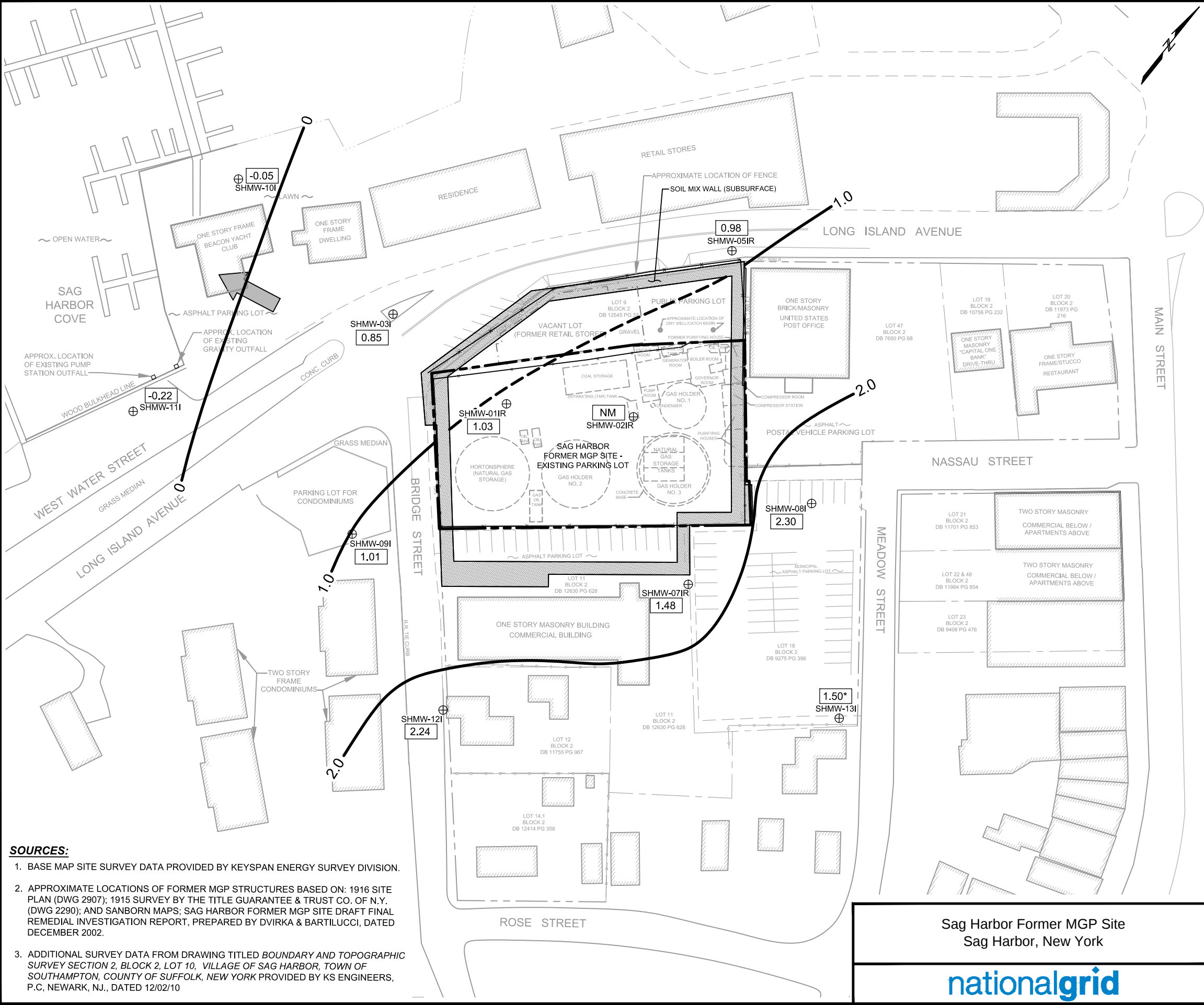
SHALLOW GROUNDWATER  
CONTOURS - LOW TIDE  
3/19/14

Project 093190

June 2014

Fig. 4





**LEGEND**

APPROXIMATE LOCATION OF FORMER MGP STRUCTURE

LOCATION OF EXISTING STRUCTURE

CURRENT SITE BOUNDARY

ADJACENT SITE BOUNDARY

CHAIN-LINK FENCE

STOCKADE FENCE

SHMW-02I

FORMER MONITORING WELL (WELL ABANDONED OR DESTROYED)

SHMW-03I

MONITORING WELL LOCATION

0.85

GROUNDWATER ELEVATION IN FEET

NM

WELL NOT MEASURED

1.50\*

MEASUREMENT NOT USED TO GENERATE CONTOURS

1.0

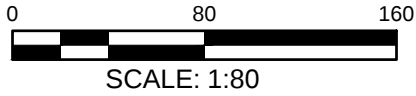
GROUNDWATER CONTOUR (FT)

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<br>Sag Harbor, New York                                    |  | INTERMEDIATE<br>GROUNDWATER CONTOURS<br>LOW TIDE<br>3/19/14 |           |
|                                                                                       |                                                                                       | Project 093190                                              | June 2014 |
|  |                                                                                       | Fig. 6                                                      |           |