



Geotechnical
Environmental and
Water Resources
Engineering

**Quarterly Groundwater Monitoring Report
Third Quarter (Q3) 2009**

Sag Harbor Former MGP Site

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

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1. Sag Harbor Site and Adjacent Off-Site Areas

Q3 2009 Groundwater Monitoring Event Summary

Event Date:	September 15-17, 2009	
Site Phase:	Quarterly groundwater monitoring	
Location:	The location of the Sag Harbor Former MGP Site is depicted on Figure 1 .	
Monitoring Program:	<i>Number of Wells:</i>	A total of 16 monitoring wells are currently located adjacent to the site (see Figure 2). Between Q1 2007 and Q1 2009, 16 other wells, including all on-site and several off-site wells, had been either abandoned or destroyed from site-related construction and remediation activities. 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 Q1 2009 sampling event due to the remediation activities being conducted at the site.
	<i>Hydrological Data:</i>	Groundwater levels were measured at all 16 remaining monitoring wells. At wells MW-07S, MW-07I, and MW-09S, it was observed that the water level measuring points have been altered. Therefore, the groundwater elevations at these wells are not accurate. As a result, they were not utilized in preparation of the groundwater contour maps. Depth to groundwater and calculated groundwater elevations are provided on Table 1. The groundwater flow direction was generally to the west towards Sag Harbor Cove (see Figures 3 through 6). 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 Q3 2009 were as follows: ▪ Depth to the water table in shallow wells at

high tide ranged from **0.87** (SHMW-12S) to **4.53** (SHMW-11S) feet below the well measuring point.

- Water table elevations in shallow wells at high tide ranged from **1.21** (SHMW-11S) to **3.58** (SHMW-08S) feet above mean sea level (MSL).
- Depth to the water table in shallow wells at low tide ranged from **0.92** (SHMW-12S) to **5.41** (SHMW-11S) feet below the well measuring point.
- Water table elevations in shallow wells at low tide ranged from **0.33** (SHMW-11S) to **3.58** (SHMW-08S) feet above MSL.
- The calculated shallow hydraulic gradient for high tide was **0.0049** feet/foot. The calculated shallow hydraulic gradient for low tide was **0.0067** feet/foot.
- Depth to groundwater in intermediate wells at high tide ranged from **0.07** (SHMW-12I) to **4.35** (SHMW-11I) feet below the well measuring point.
- Groundwater elevations in intermediate wells at high tide ranged from **1.44** (SHMW-11I) to **3.58** (SHMW-08I) feet above MSL.
- Depth to groundwater in intermediate wells at low tide ranged from **0.21** (SHMW-12I) to **5.74** (SHMW-11I) feet below the well measuring point.
- Groundwater elevations in intermediate wells at low tide ranged from **0.05** (SHMW-11I) to **3.08** (SHMW-12I) feet above MSL.
- The calculated intermediate hydraulic gradient for high tide was **0.0044** feet/foot. The calculated intermediate hydraulic gradient for low tide was **0.0058** feet/foot.

*NAPL
 Thickness
 Data:*

Table 2 provides a summary of historic non-aqueous phase liquid (NAPL) data. In Q3 2009, eight monitoring wells (SHMW-03S, SHMW-07S, SHMW-08S, SHMW-09S, SHMW-10S, SHMW-11S, SHMW-12S, and SHMW-13S) were monitored for NAPL as part of the groundwater monitoring program. As indicated in **Table 2**, only a trace of dense non-aqueous phase liquid (DNAPL) was found in well SHMW-07S, and no other evidence of

DNAPL or light non-aqueous phase liquid (LNAPL) was found in the remaining monitoring wells during Q3 2009.

*Chemical
Data:*

A total of eight monitoring wells were sampled during Q3 2009. The groundwater samples were analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) and methyl tert-butyl ether (MTBE) by EPA Method 8260, and polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270. Well sampling was conducted on September 16 and 17, 2009 and included all shallow accessible wells on the quarterly sampling list.

Chemical data for Q3 2009 (see **Table 3**) indicate:

- Total BTEX concentrations ranged from less than method detection limits in three of the eight wells sampled to **3,472** micrograms per liter (µg/L) in SHMW-07S.
- Total PAH concentrations ranged from less than method detection limits in three of the eight wells sampled to **4,722** µg/L in SHMW-07S.

**Data Trend
Analysis:**

In general, fairly consistent BTEX and PAH concentrations (see historical data in **Tables 4** and **5**) have been detected in shallow groundwater on and adjacent to the site when compared to previous sampling events.

In Q3 2009, BTEX concentrations were below laboratory detection limits in three of the eight shallow wells sampled. BTEX concentrations have been below detection limits in two shallow wells (SHMW-11S and SHMW-13S) since these wells were installed in 2002. In four of the five shallow wells that had detectable BTEX concentrations (SHMW-3S, SHMW-8S, SHMW-9S, and SHMW-12S), the BTEX concentration was lower than its respective mean. In the remaining well (SHMW-07S), the BTEX concentration was the highest value recorded during the historical monitoring period. It should be noted that well SHMW-07S currently has approximately four feet of sediment at the bottom of the well casing. During sampling, the well recharged normally indicating that it is still hydraulically connected to the aquifer. An attempt to clear the well of sediment will be made during the upcoming replacement well installation program which is currently planned for Q1 2010. Should the well not be cleared of sediment, it will be replaced.

Between Q2 and Q3 2009, BTEX concentrations decreased in three of the eight shallow wells sampled in each quarter (SHMW-03S, SHMW-09S and SHMW-12S). One increase in BTEX concentration was observed in shallow well SHMW-07S.

In Q3 2009, PAH concentrations were below the laboratory detection limits in three of the eight shallow wells sampled. In three of the five shallow wells that had detectable PAH concentrations (SHMW-09S, SHMW-11S, and SHMW-12S), the Q3 PAH concentration was lower than its respective mean. In the remaining two wells (SHMW-07S and SHMW-08S), the PAH concentrations were consistent with typical historical fluctuations.

Between Q2 and Q3 2009, PAH concentrations decreased in three of the eight shallow wells sampled in each quarter (SHMW-03S, SHMW-09S and SHMW-12S). PAH increases were observed in three of the eight shallow wells sampled in each quarter (SHMW-07S, SHMW-08S and SHMW-11S); however, in the cases of SHMW-08S and SHMW-11S, the increases were minor, and the increase in SHMW-07S was consistent with typical historical fluctuations.

MTBE concentrations remained below laboratory detection limits in six of the eight wells sampled. The exceptions were wells SHMW-08S and SHMW-12S, at which MTBE was detected at a concentration of 2 µg/L (estimated below the method detection level) in both wells.

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

The historical NAPL data (see **Table 2**) indicate that measurable quantities of NAPL have primarily been found in four former monitoring wells: on-site shallow monitoring wells MW-02 and MW-05; on-site intermediate well SHMW-02I; and off-site shallow well SHMW-04S. Historically, trace amounts of NAPL have primarily been observed in three former wells: on-site shallow wells MW-03 and MW-04; and off-site shallow well SHMW-06S. All of the wells in which NAPL has been historically found were either destroyed or abandoned due to remediation activities prior to the Q3 2009 groundwater monitoring event. A trace amount of NAPL was observed in existing shallow well SHMW-07S in Q3 2009. NAPL was not found in the remaining shallow wells.

Current Plans: Continue quarterly groundwater and NAPL monitoring at accessible monitoring wells.

Replace and sample several on-site and off-site monitoring wells in Q1 2010. The replacement wells will be selected in consultation with NYSDEC and installed based on a NYSDEC-approved work plan. In addition, monitoring well SHMW-07S, which currently has approximately four feet of sediment at the bottom of the well casing, will be re-evaluated to determine if the well can be rehabilitated or needs to be replaced. Should it be determined that SHMW-07S does not require replacement, it will be re-surveyed along with SHMW-07I and SHMW-09S as part of the replacement well installation program, to ensure that the measuring point elevations are correct.

Tables

Table 1
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Water Level Measurements and Calculated Water Elevations - Q3 2009

Well ID	Top of Casing Elevation (ft)	Tide	Time	9/15/2009		Notes
				Depth to Water (ft)	Groundwater Elevation (ft)	
MW-01	5.09	High	--	--	--	Well abandoned
		Low	--	--	--	
MW-02	4.48	High	--	--	--	Well abandoned
		Low	--	--	--	
MW-03	4.59	High	--	--	--	Well abandoned
		Low	--	--	--	
MW-04	4.13	High	--	--	--	Well abandoned
		Low	--	--	--	
MW-05	5.07	High	--	--	--	Well destroyed
		Low	--	--	--	
MW-06	5.38	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-01S	4.52	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-01I	4.47	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-02I	5.22	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-02D	5.19	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-03S	5.43	High	731	2.81	2.62	
		Low	1404	2.96	2.47	
SHMW-03I	5.43	High	731	1.98	3.45	
		Low	1404	2.83	2.60	
SHMW-04S	5.71	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-04I	5.71	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-05S	6.23	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-05I	6.14	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-06S	4.44	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-06I	4.43	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-07S	5.05	High	745	2.02	3.03	Measuring point lowered (well to be resurveyed)
		Low	1351	1.23	3.82	
SHMW-07I	5.00	High	746	1.55	3.45	Measuring point lowered (well to be resurveyed)
		Low	1351	2.06	2.94	
SHMW-08S	5.26	High	750	1.68	3.58	
		Low	1359	1.68	3.58	
SHMW-08I	5.08	High	750	1.50	3.58	
		Low	1357	2.24	2.84	
SHMW-09S	4.36	High	NM	NM	--	Car parked on well at high tide (could not obtain water level); measuring point lowered (well to be
		Low	1343	1.23	3.13	
SHMW-09I	4.41	High	740	1.28	3.13	
		Low	1343	1.58	2.83	
SHMW-10S	5.91	High	733	3.73	2.18	
		Low	1408	4.42	1.49	
SHMW-10I	5.89	High	734	3.09	2.80	
		Low	1409	4.89	1.00	
SHMW-11S	5.74	High	737	4.53	1.21	
		Low	1415	5.41	0.33	
SHMW-11I	5.79	High	738	4.35	1.44	
		Low	1416	5.74	0.05	
SHMW-12S	3.42	High	743	0.87	2.55	
		Low	1346	0.92	2.50	
SHMW-12I	3.29	High	743	0.07	3.22	
		Low	1347	0.21	3.08	
SHMW-13S	4.68	High	747	1.90	2.78	
		Low	1355	1.93	2.75	
SHMW-13I	4.70	High	748	1.13	3.57	
		Low	1355	1.71	2.99	

-- Not Available

NM: Not measured

Table 2
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of Historic NAPL Observations

Well ID	May 2002 Observations	May 2004 Observations	August 2004 Observations	October 2004 Observations	November 2004 Observations	December 2004 Observations	January 2005 Observations	February 2005 Observations	March 2005 Observations	April/Q1 2005 Observations	June/Q2 2005 Observations	September/Q3 2005 Observations	December/Q4 2005 Observations	March/Q1 2006 Observations
MW-01	None Observed	Odor	None Observed	Not Checked	NR	NR	NR	NR	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	Trace DNAPL at bottom of tape	Approx. 0.13' of DNAPL	Approx. 0.09' DNAPL, naphthalene-like odor	Approx. 0.01' 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	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	None, naphthalene-like odor	No DNAPL observed
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	None Observed	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	Trace DNAPL
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	Approx. 3.0' of DNAPL	Approx. 0.75' of DNAPL, approx. 0.12' of LNAPL	DNAPL blebs in purge H ₂ O, 0.5' DNAPL coating on tubes	Approx. 0.15' of DNAPL, approx. 0.1' of LNAPL
MW-06	None Observed	Slight naphthalene-like odor	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-01S	None Observed	Slight naphthalene-like odor	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-01I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-02I	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	Approx. 0.75' of DNAPL	Approx. 0.4' of DNAPL	Approx. 1.3' of DNAPL, naphthalene-like odor	Approx. 0.35' of DNAPL
SHMW-02D	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes:
DNAPL - Dense Non-aqueous Phase Liquid
LNAPL - Light Non-aqueous Phase Liquid
WC - Water Column
NR - Gauging Not Required

Table 2
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of Historic NAPL Observations

Well ID	May 2002 Observations	May 2004 Observations	August 2004 Observations	October 2004 Observations	November 2004 Observations	December 2004 Observations	January 2005 Observations	February 2005 Observations	March 2005 Observations	April/Q1 2005 Observations	June/Q2 2005 Observations	September/Q3 2005 Observations	December/Q4 2005 Observations	March/Q1 2006 Observations
SHMW-03S	None Observed	Odor	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-03I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-04S	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	Approx. 0.90' of DNAPL	Approx. 0.26' of DNAPL	Approx. 0.5' DNAPL, naphthalene-like odor	Approx. 0.25' of DNAPL
SHMW-04I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-05S	None Observed	Blebs of DNAPL in purge water, odor	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	No DNAPL observed
SHMW-05I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-06S	Slight sheen and naphthalene-like odor	Naphthalene-like odor	NR	NR	NR	NR	NR	NR	NR	NR	NR	Trace DNAPL at bottom of tape	Approx. 0.10' DNAPL, naphthalene-like odor	Trace DNAPL
SHMW-06I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-07S	Sheen and naphthalene-like odor	Slight odor	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-07I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-08S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes:
DNAPL - Dense Non-aqueous Phase Liquid
LNAPL - Light Non-aqueous Phase Liquid
WC - Water Column
NR - Gauging Not Required

Table 2
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of Historic NAPL Observations

Well ID	May 2002 Observations	May 2004 Observations	August 2004 Observations	October 2004 Observations	November 2004 Observations	December 2004 Observations	January 2005 Observations	February 2005 Observations	March 2005 Observations	April/Q1 2005 Observations	June/Q2 2005 Observations	September/Q3 2005 Observations	December/Q4 2005 Observations	March/Q1 2006 Observations
SHMW-08I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-09S	None Observed	Slight naphthalene- like odor	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-09I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-10S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-10I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-11S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-11I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-12S	None Observed	Sheen, strong sulfur-like odor	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-12I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-13S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-13I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes:
 DNAPL - Dense Non-aqueous Phase Liquid
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Table 2
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of Historic NAPL Observations

Well ID	June/Q2 2006 Observations	September/Q3 2006 Observations	December/Q4 2006 Observations	March/Q1 2007 Observations	June/Q2 2007 Observations	September/Q3 2007 Observations	December/Q4 2007 Observations	March/Q1 2008 Observations	June/Q2 2008 Observations	September/Q3 2008 Observations	December/Q4 2008 Observations	March/Q1 2009 Observations	June/Q2 2009 Observations	September/Q3 2009 Observations
MW-01	NR	NR	NR	NR	NR	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. 0.12' of DNAPL	Approx. 0.15' DNAPL	Approx. 0.10' DNAPL	Approx. 0.20' DNAPL	Approx. 0.07' DNAPL	Approx. 0.11' DNAPL	Approx. -0.08'	Trace DNAPL	Moderate DNAPL; not measureable	Trace DNAPL	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-03	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	No DNAPL observed	Trace DNAPL (coating on tubes)	None Observed	Trace DNAPL (coating on tubes)	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	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Approx. -0.02'	NR	Trace DNAPL	Trace DNAPL (at bottom of tubing)	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-05	Approx. 0.22' DNAPL; 0.05' of LNAPL	Approx. 0.55' DNAPL; 0.06' of LNAPL	Trace LNAPL; DNAPL in purge water (not measurable)	Trace LNAPL; DNAPL in purge water (not measurable)	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed
MW-06	NR	NR	NR	None Observed	NR	NR	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-01S	NR	NR	NR	None Observed	NR	NR	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-01I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-02I	Approx. 0.43' of DNAPL	Approx. 0.5' of DNAPL	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	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	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned

Notes:
DNAPL - Dense Non-aqueous Phase Liquid
LNAPL - Light Non-aqueous Phase Liquid
WC - Water Column
NR - Gauging Not Required

Table 2
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of Historic NAPL Observations

Well ID	June/Q2 2006 Observations	September/Q3 2006 Observations	December/Q4 2006 Observations	March/Q1 2007 Observations	June/Q2 2007 Observations	September/Q3 2007 Observations	December/Q4 2007 Observations	March/Q1 2008 Observations	June/Q2 2008 Observations	September/Q3 2008 Observations	December/Q4 2008 Observations	March/Q1 2009 Observations	June/Q2 2009 Observations	September/Q3 2009 Observations
SHMW-03S	NR	NR	NR	None Observed	NR	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-03I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	None Observed	NR	None Observed	NR
SHMW-04S	Approx. 0.5' of DNAPL	Approx. 0.25' of DNAPL	Approx. 0.30' of DNAPL	Approx. 0.40' DNAPL	Approx. 0.50' DNAPL	Approx. 0.5' DNAPL	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	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-05S	None Observed	None Observed	None Observed	None Observed	None Observed	NR	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-05I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-06S	Approx. 0.2' of DNAPL	Approx. 0.2' of DNAPL	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace	Trace DNAPL (on tubing)	Trace DNAPL	Trace DNAPL (on tubing)	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-06I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-07S	NR	NR	NR	None Observed	NR	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	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Inaccessible	None Observed	NR
SHMW-08S	NR	NR	NR	None Observed	NR	NR	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Inaccessible	None Observed	None Observed

Notes:
DNAPL - Dense Non-aqueous Phase Liquid
LNAPL - Light Non-aqueous Phase Liquid
WC - Water Column
NR - Gauging Not Required

Table 2
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of Historic NAPL Observations

Well ID	June/Q2 2006 Observations	September/Q3 2006 Observations	December/Q4 2006 Observations	March/Q1 2007 Observations	June/Q2 2007 Observations	September/Q3 2007 Observations	December/Q4 2007 Observations	March/Q1 2008 Observations	June/Q2 2008 Observations	September/Q3 2008 Observations	December/Q4 2008 Observations	March/Q1 2009 Observations	June/Q2 2009 Observations	September/Q3 2009 Observations
SHMW-08I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Inaccessible	None Observed	NR
SHMW-09S	NR	NR	NR	None Observed	NR	NR	None Observed	None Observed	None Observed	None Observed	None Observed	Well Inaccessible	None Observed	None Observed
SHMW-09I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-10S	NR	NR	NR	None Observed	NR	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-10I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-11S	NR	NR	NR	None Observed	NR	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-11I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-12S	NR	NR	NR	None Observed	NR	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-12I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	NR	NR	NR	NR
SHMW-13S	NR	NR	NR	None Observed	NR	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-13I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	NR	NR	NR	NR

Notes:
DNAPL - Dense Non-aqueous Phase Liquid
LNAPL - Light Non-aqueous Phase Liquid
WC - Water Column
NR - Gauging Not Required

Table 3
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of BTEX, MTBE, PAH Results - Q3 2009

Sample Name: Sample Date:	NYS AWQS	SHMW-03S 9/17/2009	Duplicate of SHMW-03S 9/17/2009	SHMW-07S 9/17/2009	SHMW-08S 9/16/2009	SHMW-09S 9/16/2009	SHMW-10S 9/16/2009	SHMW-11S 9/17/2009	SHMW-12S 9/16/2009	SHMW-13S 9/17/2009
BTEX (ug/L)										
Benzene	1	4 J	2 J	1600	5 J	160 J	10 U	10 U	24	10 U
Toluene	5	10 U	10 U	32	10 U	1 J	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	1100	10 U	220	10 U	10 U	4 J	10 U
Xylene, total	5	10 U	10 U	740	10 U	74	10 U	10 U	17	10 U
Total BTEX	NE	4	2	3472	5	455	ND	ND	45	ND
Other VOCs (ug/L)										
Methyl tert-butyl ether	10*	10 U	10 U	10 U	2 J	10 U	10 U	10 U	2 J	10 U
Total VOCs	NE	4	2	3472	7	455	ND	ND	47	ND
Non-carcinogenic PAHs (ug/L)										
Acenaphthene	20*	10 U	10 U	200 J	25	26	10 U	2 J	4 J	10 U
Acenaphthylene	NE	10 U	10 U	7	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	17	3	2 J	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	18	5	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	54	13	10	10 U	10 U	10 U	10 U
Methylnaphthalene,2-	NE	10 U	10 U	290 J	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	4000	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	85 J	9 J	1 J	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	23	5	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	ND	ND	4696	60	39	ND	2	4	ND
Carcinogenic PAHs (ug/L)										
Benzo[a]anthracene	0.002*	10 U	10 U	8	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	4 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	6	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	26	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)										
Total PAHs	NE	ND	ND	4722	60	39	ND	2	4	ND

Table 4
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of Historic Total BTEX Results

Well No.	Screen Interval (feet)	Total 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	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	35.0 - 45.0	--	--	5	0	0	--	--	--	--	0	--	--	--	0	0	--	--	--
SHMW-02I	35.0 - 45.0	--	--	26	0	1,179	16	20	20	19	25	0	0	0	0	--	11	12	15
SHMW-02D	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	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	2.0 - 12.0	--	--	37	69	83	--	107	282	2,960	115	202	45	43	26	35	458	676	98
SHMW-05I	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	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	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
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of Historic Total BTEX Results

Well No.	Screen Interval (feet)	Total BTEX Concentrations (µg/L)									
		Sampling Date							Min	Max	Mean
		2008				2009					
		March	June	Sep	Dec	March	June	Sept			
MW-01	1.50 - 7.32	337	141	208	--	--	--	--	0	2,720	236
MW-02	0.50 - 7.25	8,865	7,415	2,240	--	--	--	--	98	15,181	9,129
MW-03	2.17 - 10.17	2,842	2,241	2,875	--	--	--	--	560	4,965	2,416
MW-04	1.25 - 6.81	--	15	79	--	--	--	--	0	864	149
MW-05	2.46 - 7.46	--	--	--	--	--	--	--	5	18,900	5,689
MW-06	2.47 - 7.47	1	33	7	--	--	--	--	0	334	50
SHMW-01S	1.0 - 6.0	1,595	306	243	--	--	--	--	243	5,183	1,756
SHMW-01I	35.0 - 45.0	--	--	--	--	--	--	--	0	5	1
SHMW-02I	35.0 - 45.0	18	41	29	--	--	--	--	0	1,179	80
SHMW-02D	65.0 - 75.0	--	--	--	--	--	--	--	0	5	2
SHMW-03S	2.0 - 12.0	3	0	5	13	111	24	4	0	131	50
SHMW-03I	35.0 - 45.0	--	--	--	0	--	0	--	0	52	7
SHMW-04S	2.0 - 12.0	7,567	8,059	7,561	--	--	--	--	3,154	25,860	12,357
SHMW-04I	35.0 - 45.0	--	--	--	--	--	--	--	0	5	1
SHMW-05S	2.0 - 12.0	77	83	64	--	--	--	--	26	2,960	303
SHMW-05I	35.0 - 45.0	--	--	--	--	--	--	--	0	0	0
SHMW-06S	2.0 - 6.0	1,296	1,343	1,298	--	--	--	--	1,296	4,289	2,214
SHMW-06I	35.0 - 45.0	--	--	--	--	--	--	--	0	0	0
SHMW-07S	1.0 - 11.0	--	1,075	1,374	--	--	1,500	3,472	185	3,472	1,592
SHMW-07I	35.0 - 45.0	--	--	--	--	--	--	--	0	0	0
SHMW-08S	1.0 - 7.0	8	9	10	--	--	5	5	0	19	6
SHMW-08I	35.0 - 45.0	--	--	--	--	--	0	--	0	0	0
SHMW-09S	2.0 - 12.0	1,039	1,298	671	483	--	584	455	178	1,298	768
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	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	0	0	0	0
SHMW-11I	35.0 - 45.0	--	--	--	0	--	0	--	0	0	0
SHMW-12S	1.5 - 6.5	166	482	111	279	28	315	45	0	930	264
SHMW-12I	35.0 - 45.0	--	--	--	0	--	--	--	0	23	4
SHMW-13S	1.5 - 6.5	0	0	0	0	0	0	0	0	0	0
SHMW-13I	35.0 - 45.0	--	--	--	0	--	0	--	0	0	0

NOTES:

-- not analyzed or not applicable

µg/L - micrograms per liter

BTEX - benzene, toluene, ethylbenzene, and xylene

Table 5
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of Historic Total PAH Results

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	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	35.0 - 45.0	--	--	32	0	0	--	--	--	--	0	--	--	--	0	--	--	--	--
SHMW-02I	35.0 - 45.0	--	--	266	0	580,200	41	185	124	271	30	74	32	91	89	0	10	175	32
SHMW-02D	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	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	2.0 - 12.0	--	--	13	170	94	--	82	91	26	53	17	11	11	110	0	0	14	8
SHMW-05I	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	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	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
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of Historic Total PAH Results

Well No.	Screen Interval (feet)	Total PAH Concentrations (µg/L)									
		Sampling Date							Min	Max	Mean
		2008				2009					
		March	June	Sep	Dec	March	June	Sept			
MW-01	1.50 - 7.32	145	2	35	--	--	--	--	0	4,906	380
MW-02	0.50 - 7.25	400	3,455	3,488	--	--	--	--	0	25,167	6,235
MW-03	2.17 - 10.17	508	96	1,109	--	--	--	--	92	7,034	2,352
MW-04	1.25 - 6.81	--	0	22	--	--	--	--	0	3,612	304
MW-05	2.46 - 7.46	--	--	--	--	--	--	--	101	431,600	80,149
MW-06	2.47 - 7.47	0	0	10	--	--	--	--	0	5,416	420
SHMW-01S	1.0 - 6.0	0	0	0	--	--	--	--	0	4,147	1,392
SHMW-01I	35.0 - 45.0	--	--	--	--	--	--	--	0	32	6
SHMW-02I	35.0 - 45.0	8	42	209	--	--	--	--	0	580,200	30,625
SHMW-02D	65.0 - 75.0	--	--	--	--	--	--	--	0	308	81
SHMW-03S	2.0 - 12.0	0	0	17	29	0	20	0	0	430	118
SHMW-03I	35.0 - 45.0	--	--	--	0	--	0	--	0	320	40
SHMW-04S	2.0 - 12.0	0	1,328	1,868	--	--	--	--	0	6,669	3,986
SHMW-04I	35.0 - 45.0	--	--	--	--	--	--	--	0	18	3
SHMW-05S	2.0 - 12.0	2	0	31	--	--	--	--	0	170	41
SHMW-05I	35.0 - 45.0	--	--	--	--	--	--	--	0	17	3
SHMW-06S	2.0 - 6.0	0	44	5,848	--	--	--	--	0	5,848	2,690
SHMW-06I	35.0 - 45.0	--	--	--	--	--	--	--	0	2	0
SHMW-07S	1.0 - 11.0	--	54	3,252	--	--	2,919	4,722	0	7,211	3,395
SHMW-07I	35.0 - 45.0	--	--	--	--	--	--	--	0	2,212	369
SHMW-08S	1.0 - 7.0	14	21	55	--	--	59	60	10	112	58
SHMW-08I	35.0 - 45.0	--	--	--	--	--	1	--	0	13	2
SHMW-09S	2.0 - 12.0	0	92	485	503	--	68	39	0	2,737	1,120
SHMW-09I	35.0 - 45.0	--	--	--	0	--	0	--	0	3	0
SHMW-10S	5.0 - 15.0	0	0	0	0	0	0	0	0	22	1
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	173	8
SHMW-11I	35.0 - 45.0	--	--	--	0	--	0	--	0	4	1
SHMW-12S	1.5 - 6.5	9	137	259	280	0	332	4	0	600	201
SHMW-12I	35.0 - 45.0	--	--	--	0	--	--	--	0	20	3
SHMW-13S	1.5 - 6.5	0	0	0	0	0	0	0	0	0	0
SHMW-13I	35.0 - 45.0	--	--	--	0	--	0	--	0	0	0

NOTES:

-- not analyzed or not applicable

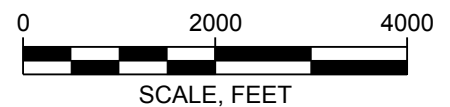
µg/L - micrograms per liter

PAHs - polycyclic aromatic hydrocarbons

Figures



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SAG HARBOR FORMER MGP SITE
SAG HARBOR, NEW YORK

nationalgrid



Project 093190-2-1203

SITE LOCATION MAP

December 2009

Figure 1

