APPENDIX G

Field Documentation and Field Measured Parameters

Field Measured Parameters
Fort Monmouth Main Post and Charles Wood Area
2010 BEE Sampling Event

Location	Medium	Date	Time	Hardness (mg/L)	pH	Temperature ˚C	Conductivity (umho)	Salinity (ppt)	Dissolved Oxygen mg/L	Dissolved Oxygen %
CW3-SD7	Sediment	28-Jun-10	11:40	NA	5.76	24.83	1.00	0.49	8.68	104.1
CW3-SD8	Sediment	28-Jun-10	12:10	NA	NA	NA	NA	NA	NA	NA
M14-SD14	Sediment	16-Jun-10	14:12	NA	7.15	22.60	0.27	0.13	9.35	108.4
M2-SD1	Sediment	25-Jun-10	13:40	NA	7.47	23.70	0.60	0.27	11.27	143.7
M2-SD2	Sediment	24-Jun-10	14:40	NA	7.08	27.58	0.59	0.27	11.15	142.3
M3-SD12	Sediment	21-Jun-10	15:40	NA	7.50	24.86	0.46	0.22	6.20	75.2
M3-SD13	Sediment	25-Jun-10	11:25	NA	7.30	22.73	0.42	0.21	8.88	103.4
M8-SD11	Sediment	21-Jun-10	10:15	NA	7.42	24.96	3.29	1.72	6.53	80.2
MP-SD1	Sediment	25-Jun-10	12:05	NA	7.30	23.20	0.42	0.21	9.24	108.4
MP-SD2	Sediment	25-Jun-10	14:15	NA	7.52	26.51	0.58	0.27	10.04	125.2
MP-SD3	Sediment	25-Jun-10	15:05	NA	7.53	22.34	0.36	0.18	7.33	112.6
CW3-SD1	Sediment	28-Jun-10	8:50	NA	8.32	22.49	0.66	0.34	7.17	83.3
CW3-SD2	Sediment	28-Jun-10	9:05	NA	7.00	21.80	0.70	0.36	6.85	78.6
CW3-SD3	Sediment	28-Jun-10	9:18	NA	6.65	21.21	0.75	0.39	6.01	68.4
CW3-SD4	Sediment	28-Jun-10	9:40	NA	5.87	22.29	0.85	0.44	6.43	74.6
CW3-SD5	Sediment	28-Jun-10	10:20	NA	6.05	22.19	1.03	0.54	5.56	64.4
CW3-SD6	Sediment	28-Jun-10	10:48	NA	6.27	23.61	0.55	0.27	5.44	64.1
CW6-SD1	Sediment	18-Jun-10	16:32	NA	NA	NA	NA	NA	NA	NA
CW6-SD2	Sediment	18-Jun-10	16:14	NA	NA	NA	NA	NA	NA	NA
CW6-SD3	Sediment	18-Jun-10	16:42	NA	NA	NA	NA	NA	NA	NA
CW6-SD4	Sediment	18-Jun-10	16:47	NA	NA	NA	NA	NA	NA	NA
CW6-SD5	Sediment	24-Jun-10	10:35	NA	7.80	18.45	0.50	0.28	8.16	95.0
CW6-SD6	Sediment	24-Jun-10	9:40	NA	7.80	17.52	0.55	0.31	8.12	87.6
CWA-SD1	Sediment	24-Jun-10	9:00	NA	8.25	26.93	0.55	0.25	9.11	115.9
M14-SD1	Sediment	15-Jun-10	9:10	NA	7.65	21.76	3.34	1.80	9.20	108.1
M14-SD10	Sediment	16-Jun-10	11:22	NA	6.77	21.77	0.31	0.16	8.63	98.4
M14-SD11	Sediment	16-Jun-10	11:50	NA	6.88	22.16	0.29	0.14		106.0
M14-SD12	Sediment	28-Jun-10	13:45	NA	6.85	33.02	42.90	23.35	8.74	139.0
M14-SD13	Sediment	16-Jun-10	12:48	NA	7.03	22.36	0.28	0.13	10.25	119.4
M14-SD2	Sediment	15-Jun-10	9:40	NA	7.51	23.45	6.30	3.58	8.61	104.0
M14-SD3	Sediment	15-Jun-10	10:25	NA	7.11	24.19	8.52	5.40	9.93	121.0
M14-SD4	Sediment	15-Jun-10	10:50	NA	7.14	24.81	16.92	9.81	13.53	172.0
M14-SD5	Sediment	15-Jun-10	11:36	NA	7.94	25.30	18.35	10.90	17.00	221.4
M14-SD6	Sediment	15-Jun-10	12:10	NA	8.22	25.82	21.17	11.80	20.29	266.7
M14-SD7	Sediment	15-Jun-10	14:33	NA	6.68	24.08	16.46	9.21	20.45	247.1
M14-SD8	Sediment	15-Jun-10	15:23	NA	7.14	23.97	1.14	9.02	22.37	284.2
M14-SD9	Sediment	16-Jun-10	10:50	NA	6.41	22.00	0.32	0.16	8.06	94.1
M15-SD1	Sediment	14-Jun-10	13:45	NA	7.85	24.36	32.50	20.55	9.27	121.9
M15-SD2	Sediment	14-Jun-10	14:10	NA	8.00	24.55	32.67	20.60	9.24	126.5
M15-SD3	Sediment	14-Jun-10	14:30	NA	7.80	24.51	32.72	20.44	8.07	108.6
M15-SD4	Sediment	14-Jun-10	15:02	NA	7.87	25.01	32.57	20.34	10.04	136.0
M16-SD1	Sediment	14-Jun-10	10:04	NA	7.62	24.32	33.57	21.09	3.99	50.2
M16-SD2	Sediment	14-Jun-10	10:44	NA	7.49	24.30	33.36	21.17	4.19	60.1
M16-SD3	Sediment	14-Jun-10	11:10	NA	7.35	24.29	33.77	21.41	4.19	56.6
M16-SD4	Sediment	14-Jun-10	11:55	NA	7.33	24.38	33.30	21.04	4.37	59.0
M18-SD1	Sediment	16-Jun-10	15:45	NA	6.61	26.33	0.33	0.16	9.69	120.4
M18-SD2	Sediment	17-Jun-10	9:03	NA	6.99	23.10	8.94	5.15	5.38	64.7
M18-SD3	Sediment	16-Jun-10	16:36	NA	8.22	24.64	13.77	7.64	10.24	137.0
M18-SD4	Sediment	16-Jun-10	17:00	NA	8.23	24.26	9.12	6.02	11.08	136.0
M18-SD5	Sediment	17-Jun-10	10:00	NA	7.30	22.40	5.88	3.38	6.38	75.6
M2-SD10	Sediment	25-Jun-10	9:40	NA	7.38	24.01	0.55	0.27	8.03	95.3
M2-SD11	Sediment	25-Jun-10	9:55	NA	7.33	24.46	0.56	0.27	8.01	97.1
M2-SD12	Sediment	25-Jun-10	10:10	NA	7.23	25.11	0.57	0.27	8.48	103.3
M2-SD13	Sediment	25-Jun-10	10:30	NA	7.28	24.88	0.56	0.27	8.64	104.7
M2-SD14	Sediment	24-Jun-10	14:15	NA	7.14	27.35	0.67	0.31	12.89	164.2
M2-SD3	Sediment	24-Jun-10	15:08	NA	6.96	27.43	0.60	0.27	13.21	168.2
M2-SD4	Sediment	24-Jun-10	15:24	NA	7.03	23.57	0.58	0.27	10.91	140.0
M2-SD5	Sediment	24-Jun-10	15:36	NA	7.11	27.58	0.58	0.27	11.72	149.3
M2-SD6	Sediment	24-Jun-10	15:53	NA	7.19	27.30	0.57	0.26	10.67	133.1
M2-SD7	Sediment	25-Jun-10	8:45	NA	8.01	24.45	0.57	0.28	8.61	102.7
M2-SD8	Sediment	25-Jun-10	9:05	NA	7.64	24.10	0.56	0.27	8.20	97.7
M2-SD9	Sediment	25-Jun-10	9:25	NA	7.50	24.00	0.55	0.27	7.80	91.8
M20-SD1	Sediment	23-Jun-10	9:50	NA	7.66	26.81	35.75	21.67	10.68	150.9
M20-SD2	Sediment	23-Jun-10	10:15	NA	7.67	26.68	35.63	21.65	136.20	9.6
M3-SD1	Sediment	18-Jun-10	10:38	NA	7.05	25.65	2.51	1.28	7.64	94.9
M3-SD10	Sediment	21-Jun-10	15:12	NA	7.51	28.29	0.73	0.33	6.33	81.4
M3-SD11	Sediment	21-Jun-10	14:25	NA	7.44	27.61	0.69	0.32	5.62	72.3
M3-SD2	Sediment	18-Jun-10	10:50	NA	7.25	25.52	1.79	0.90	7.40	91.0

See Notes at end of table.

Field Measured Parameters
Fort Monmouth Main Post and Charles Wood Area
2010 BEE Sampling Event

Location	Medium	Date	Time	Hardness (mg/L)	pH	Temperature ˚C	Conductivity (umho)	Salinity (ppt)	Dissolved Oxygen mg/L	Dissolved Oxygen %
M3-SD3	Sediment	18-Jun-10	11:28	NA	7.39	27.15	2.38	1.18	7.26	91.5
M3-SD4	Sediment	18-Jun-10	11:50	NA	7.50	25.62	1.47	0.73	7.16	87.9
M3-SD5	Sediment	18-Jun-10	13:33	NA	-	-	-	-	-	-
M3-SD6	Sediment	18-Jun-10	13:50	NA	-	-	-	-	-	-
M3-SD7	Sediment	18-Jun-10	14:08	NA	-	-	-	-	-	-
M3-SD8	Sediment	21-Jun-10	14:40	NA	7.42	28.97	0.84	0.38	7.30	95.4
M3-SD9	Sediment	21-Jun-10	14:57	NA	7.44	28.40	0.83	0.37	6.97	90.1
M4-SD1	Sediment	22-Jun-10	13:55	NA	7.28	25.30	0.63	0.30	4.65	57.6
M4-SD2	Sediment	22-Jun-10	14:14	NA	7.34	24.81	0.60	0.29	4.67	56.9
M4-SD3	Sediment	22-Jun-10	14:30	NA	7.24	24.74	0.59	0.28	4.21	52.5
M4-SD4	Sediment	22-Jun-10	14:46	NA	7.14	27.71	0.58	0.28	4.54	54.1
M4-SD5	Sediment	22-Jun-10	15:07	NA	7.20	24.87	0.57	0.28	4.64	58.9
M4-SD6	Sediment	22-Jun-10	15:30	NA	7.17	24.79	0.57	0.27	3.89	48.0
M5-SD1	Sediment	17-Jun-10	12:18	NA	7.36	21.28	1.41	0.72	6.90	85.1
M5-SD2	Sediment	18-Jun-10	9:23	NA	7.71	21.41	0.91	0.49	6.48	73.5
M5-SD3	Sediment	18-Jun-10	9:37	NA	7.42	21.53	0.82	0.43	6.63	75.7
M5-SD4	Sediment	18-Jun-10	9:04	NA	8.30	21.70	1.65	0.90	6.90	80.8
M5-SD5	Sediment	18-Jun-10	9:57	NA	7.43	21.20	0.61	0.34	6.67	75.5
M5-SD6	Sediment	18-Jun-10	10:17	NA	7.33	21.30	0.60	0.31	6.69	76.1
M8-SD1	Sediment	23-Jun-10	13:05	NA	8.29	27.49	8.99	4.75	9.43	121.9
M8-SD10	Sediment	17-Jun-10	11:58	NA	7.54	23.56	1.07	0.56	7.45	88.5
M8-SD12	Sediment	17-Jun-10	12:50	NA	7.41	25.00	1.73	0.71	7.59	92.3
M8-SD2	Sediment	17-Jun-10	10:46	NA	7.27	23.57	4.46	2.44	7.59	91.5
M8-SD3	Sediment	17-Jun-10	16:24	NA	8.33	28.31	26.67	15.21	7.60	106.4
M8-SD4	Sediment	17-Jun-10	16:44	NA	8.39	28.40	24.13	13.21	3.55	49.4
M8-SD5	Sediment	17-Jun-10	16:00 HT	NA	8.30	28.45	28.15	16.33	5.28	74.4
M8-SD6	Sediment	23-Jun-10	13:29	NA	7.92	28.14	6.39	3.39	8.30	1097.0
M8-SD6	None	17-Jun-10	15:28 HT	NA	8.11	28.55	30.30	17.37	7.54	106.9
M8-SD7	Sediment	23-Jun-10	13:38	NA	7.52	28.78	5.72	2.90	13.88	172.5
M8-SD7	None	17-Jun-10	14:40 HT	NA	8.03	28.30	28.90	16.54	6.50	91.5
M8-SD8	Sediment	17-Jun-10	13:45	NA	7.46	28.03	22.40	12.39	9.73	130.5
M8-SD9	Sediment	17-Jun-10	11:35	NA	7.84	23.79	1.19	0.61	7.05	84.1
CW6-SS1	Soil	18-Jun-10	15:23	NA	NA	NA	NA	NA	NA	NA
CW6-SS2	Soil	18-Jun-10	15:40	NA	NA	NA	NA	NA	NA	NA
CW6-SS3	Soil	18-Jun-10	15:50	NA	NA	NA	NA	NA	NA	NA
CW6-SS4	Soil	18-Jun-10	15:59	NA	NA	NA	NA	NA	NA	NA
CW3-SW7	Surface Water	28-Jun-10	11:35 HT	133.74	5.76	24.83	1.00	0.49	8.68	104.1
M14-SW14	None	16-Jun-10	14:03 HT	100	7.15	22.60	0.27	0.13	9.35	108.4
M14-SW14	Surface Water	22-Jun-10	12:09	71.1	7.56	26.33	0.34	0.16	7.33	91.2
M2-SW1	Surface Water	25-Jun-10	13:38	96.6	7.47	23.70	0.60	0.27	11.27	143.7
M2-SW2	Surface Water	24-Jun-10	14:33	92.4	7.08	27.58	0.59	0.27	11.15	142.3
M3-SW12	Surface Water	22-Jun-10	8:43	163	6.92	22.29	1.29	0.68	4.96	57.7
M3-SW13	Surface Water	25-Jun-10	11:15	113	7.30	22.73	0.42	0.21	8.88	103.4
M8-SW11	Surface Water	21-Jun-10	10:05	323	7.42	24.96	3.29	1.72	6.53	80.2
MP-SW1	Surface Water	25-Jun-10	11:55	111	7.30	23.20	0.42	0.21	9.24	108.4
MP-SW2	Surface Water	25-Jun-10	14:02	91.1	7.52	26.51	0.58	0.27	10.04	125.2
MP-SW3	Surface Water	25-Jun-10	14:58	85.4	7.53	22.34	0.36	0.18	7.33	112.6
CW3-SW4	Surface Water	28-Jun-10	9:50	73.41	5.87	22.29	0.85	0.44	6.43	74.6
CW3-SW5	Surface Water	28-Jun-10	10:15	85.1	6.05	22.19	1.03	0.54	5.56	64.4
CW6-SW6	Surface Water	24-Jun-10	10:29	95.2	7.80	18.45	0.50	0.28	8.16	95.0
CW6-SW6	Surface Water	24-Jun-10	9:33 HT	94.5	7.80	17.52	0.55	0.31	8.12	87.6
CWA-SW1	Surface Water	24-Jun-10	8:55 HT	132	8.25	26.93	0.55	0.25	9.11	115.9
M14-SW12	Surface Water	28-Jun-10	13:53	3821.58	6.85	33.02	42.90	23.35	8.74	139.0
M14-SW13	Surface Water	22-Jun-10	11:32	72.3	7.75	25.00	0.35	0.17	5.39	63.9
M14-SW3	Surface Water	22-Jun-10	10:08	334	7.45	25.82	3.80	1.83	4.26	53.0
M14-SW8	Surface Water	15-Jun-10	15:01	116.48	7.14	23.97	1.14	9.02	22.37	284.2
M15-SW1	Surface Water	14-Jun-10	13:40	3537	7.85	24.36	32.50	20.55	9.27	121.9
M15-SW2	Surface Water	14-Jun-10	14:00	3567	8.00	24.55	32.67	20.60	9.24	126.5
M15-SW4	Surface Water	14-Jun-10	14:55	3445	7.87	25.01	32.57	20.34	10.04	136.0
M16-SW1	Surface Water	23-Jun-10	11:55	3512	7.90	29.15	36.60	21.25	12.16	176.3
M16-SW2	Surface Water	23-Jun-10	12:05	3159	8.18	29.69	36.07	20.74	10.36	153.8
M16-SW4	None	14-Jun-10	11:45 HT	NA	7.33	24.38	33.30	21.04	4.37	59.0
M16-SW4	Surface Water	23-Jun-10	12:18	3087	8.36	30.05	32.69	18.30	8.50	122.8
M18-SW3	Surface Water	22-Jun-10	10:08	1195.2	6.70	25.95	26.33	15.52	1.84	24.7
M18-SW5	Surface Water	17-Jun-10	9:50	613	7.30	22.40	5.88	3.38	6.38	75.6
M2-SW11	Surface Water	21-Jun-10	11:30	90.4	7.41	24.07	0.52	0.25	7.48	90.5

See Notes at end of table.

Field Measured Parameters
Fort Monmouth Main Post and Charles Wood Area
2010 BEE Sampling Event

Location	Medium	Date	Time	Hardness (mg/L)	pH	Temperature ˚C	Conductivity (umho)	Salinity (ppt)	Dissolved Oxygen mg/L	Dissolved Oxygen %
M2-SW6	Surface Water	21-Jun-10	11:15	93.5	7.67	24.41	0.52	0.25	6.08	72.8
M20-SW1	Surface Water	23-Jun-10	9:45	3533	7.66	26.81	35.75	21.67	10.68	150.9
M20-SW2	Surface Water	23-Jun-10	10:10	3640	7.67	26.68	35.63	21.65	136.20	9.6
M3-SW3	Surface Water	21-Jun-10	8:31	512	8.19	23.89	5.15	2.80	3.83	46.6
M3-SW6	Surface Water	21-Jun-10	8:50	262	7.19	23.77	2.56	1.34	5.81	70.30
M4-SW4	Surface Water	21-Jun-10	9:45	99.9	8.07	23.19	0.60	0.31	6.53	77.0
M5-SW4	Surface Water	18-Jun-10	8:45	166	8.30	21.70	1.65	0.90	6.90	80.8
M8-SW12	Surface Water	23-Jun-10	11:20	229	7.70	25.16	2.36	1.25	14.14	159.3
M8-SW3	Surface Water	17-Jun-10	16:18	2590	8.33	28.31	26.67	15.21	7.60	106.4
M8-SW7	Surface Water	23-Jun-10	11:05	719	7.94	25.58	7.38	4.02	11.07	135.7
M8-SW7	None	17-Jun-10	14:25 HT	NA	8.03	28.30	28.90	16.54	6.50	91.5
P15-SW1	Surface Water	24-Jun-10	12:33	86.6	7.15	20.62	0.63	0.34	9.12	102.1
P15-SW3	Surface Water	24-Jun-10	12:15	79.6	7.26	21.17	0.56	0.29	9.23	105.0
P27-SW1	Surface Water	25-Jun-10	15:58	85.9	6.40	21.15	0.58	0.30	8.93	100.7
P27-SW2	Surface Water	25-Jun-10	15:45	88.9	6.94	21.15	0.57	0.29	7.33	82.6
P28-SW1	Surface Water	24-Jun-10	11:54	81.7	7.36	21.87	0.62	0.32	12.01	137.3
P28-SW2	Surface Water	24-Jun-10	11:34	83.1	7.61	21.30	0.60	0.32	8.64	112.0
P43-SW2	Surface Water	22-Jun-10	9:36	93	7.16	23.58	0.54	0.27	5.76	68.3
P43-SW3	Surface Water	22-Jun-10	9:18	95.8	7.40	23.38	0.54	0.27	6.52	74.9
P49-SW2	Surface Water	23-Jun-10	8:53 HT	3325	7.55	25.44	32.62	20.13	5.19	71.9
P49-SW3	Surface Water	23-Jun-10	8:40 HT	3308	7.81	25.72	33.08	20.36	7.70	105.5
P61-SW1	Surface Water	15-Jun-10	14:01 HT	106.75	6.86	19.20	0.78	10.45	13.00	140.4
P69-SW2	Surface Water	28-Jun-10	13:30	3809	7.38	32.55	41.38	22.65	7.87	123.0

Notes:
HT = Measurements taken within one hour of high tide as listed on NOAA tide tables for Gooseneck Point (NOAA, 2010)
None = No sample collected at specified date and time
NA = Not analyzed
mg/L = milligrams per liter
umho = micromhos
ppt = parts per thousand

2010 NOAA Tide Predictions: Gooseneck Point, bridge

(Reference station: Sandy Hook, Corrections Applied: Times: High 2 hr. 18 min., Low 2 hr. 41 min., Heights: High *0.55, Low *0.55)

January - Gooseneck Point, bridge

Date	Day	Time	Height		Time	Height		Time	Height		Time	Height		Time	Height	
01/01/2010	Fri	04:14AM LST	-0.4	L	09:58AM LST	3.3	H	05:06PM LST	-0.6	L	10:34PM LST	2.7	H			
01/02/2010	Sat	05:07AM LST	-0.5	L	10:49AM LST	3.3	H	05:55PM LST	-0.6	L	11:27PM LST	2.8	H			
01/03/2010	Sun	05:59AM LST	-0.5	L	11:42AM LST	3.2	H	06:42PM LST	-0.6	L						
01/04/2010	Mon	12:22AM LST	2.8	H	06:51AM LST	-0.4	L	12:36PM LST	3.0	H	07:29PM LST	-0.5	L			
01/05/2010	Tue	01:19AM LST	2.8	H	07:45AM LST	-0.2	L	01:32PM LST	2.9	H	08:19PM LST	-0.4	L			
01/06/2010	Wed	02:14AM LST	2.8	H	08:43AM LST	-0.1	L	02:27PM LST	2.6	H	09:13PM LST	-0.2	L			
01/07/2010	Thu	03:09AM LST	2.7	H	09:49AM LST	0.1	L	03:22PM LST	2.4	H	10:12PM LST	-0.1	L			
01/08/2010	Fri	04:03AM LST	2.7	H	10:58AM LST	0.2	L	04:18PM LST	2.3	H	11:13PM LST	0.0	L			
01/09/2010	Sat	04:59AM LST	2.6	H	12:02PM LST	0.2	L	05:18PM LST	2.1	H						
01/10/2010	Sun	12:10AM LST	0.1	L	05:57AM LST	2.6	H	12:59PM LST	0.1	L	06:20PM LST	2.1	H			
01/11/2010	Mon	01:03AM LST	0.1	L	06:54AM LST	2.6	H	01:51PM LST	0.1	L	07:20PM LST	2.1	H			
01/12/2010	Tue	01:52AM LST	0.1	L	07:47AM LST	2.6	H	02:39PM LST	0.0	L	08:12PM LST	2.1	H			
01/13/2010	Wed	02:39AM LST	0.1	L	08:34AM LST	2.7	H	03:24PM LST	-0.1	L	08:58PM LST	2.3	H			
01/14/2010	Thu	03:25AM LST	0.1	L	09:16AM LST	2.8	H	04:07PM LST	-0.1	L	09:41PM LST	2.3	H			
01/15/2010	Fri	04:08AM LST	0.0	L	09:56AM LST	2.8	H	04:47PM LST	-0.2	L	10:20PM LST	2.3	H			
01/16/2010	Sat	04:50AM LST	0.0	L	10:33AM LST	2.8	H	05:24PM LST	-0.2	L	10:59PM LST	2.3	H			
01/17/2010	Sun	05:28AM LST	0.1	L	11:10AM LST	2.6	H	05:59PM LST	-0.1	L	11:36PM LST	2.3	H			
01/18/2010	Mon	06:05AM LST	0.1	L	11:46AM LST	2.5	H	06:31PM LST	-0.1	L						
01/19/2010	Tue	12:13AM LST	2.3	H	06:41AM LST	0.2	L	12:22PM LST	2.4	H	07:02PM LST	0.0	L			
01/20/2010	Wed	12:50AM LST	2.3	H	07:16AM LST	0.2	L	12:59PM LST	2.3	H	07:32PM LST	0.1	L			
01/21/2010	Thu	01:26AM LST	2.3	H	07:54AM LST	0.3	L	01:40PM LST	2.2	H	08:04PM LST	0.1	L			
01/22/2010	Fri	02:06AM LST	2.3	H	08:42AM LST	0.4	L	02:25PM LST	2.1	H	08:44PM LST	0.2	L			
01/23/2010	Sat	02:52AM LST	2.4	H	09:50AM LST	0.4	L	03:17PM LST	2.0	H	09:43PM LST	0.2	L			
01/24/2010	Sun	03:44AM LST	2.4	H	11:08AM LST	0.4	L	04:17PM LST	2.0	H	10:57PM LST	0.2	L			
01/25/2010	Mon	04:44AM LST	2.5	H	12:16PM LST	0.3	L	05:24PM LST	2.0	H						
01/26/2010	Tue	12:07AM LST	0.1	L	05:51AM LST	2.6	H	01:15PM LST	0.1	L	06:33PM LST	2.1	H			
01/27/2010	Wed	01:09AM LST	-0.1	L	06:58AM LST	2.8	H	02:11PM LST	-0.1	L	07:37PM LST	2.3	H			
01/28/2010	Thu	02:08AM LST	-0.2	L	07:59AM LST	3.0	H	03:04PM LST	-0.3	L	08:34PM LST	2.5	H			
01/29/2010	Fri	03:05AM LST	-0.4	L	08:53AM LST	3.2	H	03:56PM LST	-0.5	L	09:26PM LST	2.8	H			
01/30/2010	Sat	04:00AM LST	-0.6	L	09:44AM LST	3.3	H	04:45PM LST	-0.7	L	10:17PM LST	2.9	H			
01/31/2010	Sun	04:53AM LST	-0.6	L	10:33AM LST	3.3	H	05:32PM LST	-0.7	L	11:07PM LST	3.0	H			

All times are listed in Local Standard Time(LST) or, Local Daylight Time (LDT) (when applicable). All heights are in feet referenced to Mean Lower Low Water (MLLW).

February - Gooseneck Point, bridge

Date	Day	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height
02/01/2010	Mon	05:45AM LST	-0.6 L	11:24AM LST	3.2 H	06:18PM LST	-0.7 L	11:59PM LST	3.0 H		
02/02/2010	Tue	06:35AM LST	-0.5 L	12:15PM LST	3.0 H	07:02PM LST	-0.6 L				
02/03/2010	Wed	12:53AM LST	3.0 H	07:26AM LST	-0.3 L	01:09PM LST	2.8 H	07:48PM LST	-0.4 L		
02/04/2010	Thu	01:46AM LST	2.9 H	08:20AM LST	-0.1 L	02:03PM LST	2.5 H	08:38PM LST	-0.2 L		
02/05/2010	Fri	02:39AM LST	2.8 H	09:20AM LST	0.1 L	02:57PM LST	2.3 H	09:34PM LST	0.1 L		
02/06/2010	Sat	03:33AM LST	2.6 H	10:28AM LST	0.2 L	03:53PM LST	2.1 H	10:38PM LST	0.2 L		
02/07/2010	Sun	04:28AM LST	2.5 H	11:35AM LST	0.3 L	04:52PM LST	2.0 H	11:42PM LST	0.3 L		
02/08/2010	Mon	05:26AM LST	2.4 H	12:35PM LST	0.3 L	05:55PM LST	2.0 H				
02/09/2010	Tue	12:40AM LST	0.3 L	06:27AM LST	2.4 H	01:27PM LST	0.2 L	06:57PM LST	2.0 H		
02/10/2010	Wed	01:31AM LST	0.2 L	07:23AM LST	2.5 H	02:14PM LST	0.1 L	07:51PM LST	2.1 H		
02/11/2010	Thu	02:19AM LST	0.2 L	08:12AM LST	2.6 H	02:58PM LST	0.1 L	08:37PM LST	2.3 H		
02/12/2010	Fri	03:04AM LST	0.1 L	08:54AM LST	2.6 H	03:39PM LST	-0.1 L	09:18PM LST	2.4 H		
02/13/2010	Sat	03:47AM LST	0.1 L	09:33AM LST	2.7 H	04:17PM LST	-0.1 L	09:55PM LST	2.4 H		
02/14/2010	Sun	04:28AM LST	0.0 L	10:09AM LST	2.7 H	04:54PM LST	-0.1 L	10:30PM LST	2.5 H		
02/15/2010	Mon	05:07AM LST	0.0 L	10:43AM LST	2.6 H	05:27PM LST	-0.1 L	11:03PM LST	2.5 H		
02/16/2010	Tue	05:44AM LST	0.0 L	11:17AM LST	2.6 H	05:58PM LST	-0.1 L	11:35PM LST	2.5 H		
02/17/2010	Wed	06:19AM LST	0.1 L	11:50AM LST	2.5 H	06:28PM LST	-0.1 L				
02/18/2010	Thu	12:06AM LST	2.5 H	06:53AM LST	0.1 L	12:26PM LST	2.4 H	06:56PM LST	0.1 L		
02/19/2010	Fri	12:40AM LST	2.5 H	07:29AM LST	0.2 L	01:06PM LST	2.3 H	07:27PM LST	0.1 L		
02/20/2010	Sat	01:22AM LST	2.5 H	08:11AM LST	0.3 L	01:55PM LST	2.1 H	08:06PM LST	0.2 L		
02/21/2010	Sun	02:12AM LST	2.5 H	09:12AM LST	0.4 L	02:50PM LST	2.1 H	09:02PM LST	0.3 L		
02/22/2010	Mon	03:09AM LST	2.5 H	10:35AM LST	0.4 L	03:53PM LST	2.1 H	10:25PM LST	0.3 L		
02/23/2010	Tue	04:14AM LST	2.6 H	11:50AM LST	0.3 L	05:01PM LST	2.1 H	11:46PM LST	0.2 L		
02/24/2010	Wed	05:26AM LST	2.6 H	12:53PM LST	0.1 L	06:13PM LST	2.3 H				
02/25/2010	Thu	12:53AM LST	0.0 L	06:37AM LST	2.8 H	01:49PM LST	-0.1 L	07:18PM LST	2.5 H		
02/26/2010	Fri	01:53AM LST	-0.2 L	07:40AM LST	3.0 H	02:41PM LST	-0.3 L	08:16PM LST	2.8 H		
02/27/2010	Sat	02:50AM LST	-0.4 L	08:35AM LST	3.2 H	03:32PM LST	-0.5 L	09:08PM LST	3.0 H		
02/28/2010	Sun	03:45AM LST	-0.6 L	09:26AM LST	3.2 H	04:20PM LST	-0.6 L	09:57PM LST	3.2 H		

All times are listed in Local Standard Time(LST) or, Local Daylight Time (LDT) (when applicable). All heights are in feet referenced to Mean Lower Low Water (MLLW).

March - Gooseneck Point, bridge

Date	Day	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height
03/01/2010	Mon	04:38AM LST	-0.6 L	10:15AM LST	3.2 H	05:06PM LST	-0.7 L	10:45PM LST	3.2 H		
03/02/2010	Tue	05:28AM LST	-0.6 L	11:03AM LST	3.1 H	05:51PM LST	-0.6 L	11:34PM LST	3.2 H		
03/03/2010	Wed	06:17AM LST	-0.5 L	11:53AM LST	2.9 H	06:34PM LST	-0.4 L				
03/04/2010	Thu	12:24AM LST	3.1 H	07:05AM LST	-0.3 L	12:45PM LST	2.7 H	07:18PM LST	-0.2 L		
03/05/2010	Fri	01:15AM LST	3.0 H	07:55AM LST	-0.1 L	01:38PM LST	2.5 H	08:04PM LST	0.1 L		
03/06/2010	Sat	02:08AM LST	2.8 H	08:50AM LST	0.2 L	02:33PM LST	2.3 H	08:57PM LST	0.3 L		
03/07/2010	Sun	03:01AM LST	2.6 H	09:53AM LST	0.3 L	03:28PM LST	2.1 H	10:02PM LST	0.4 L		
03/08/2010	Mon	03:55AM LST	2.5 H	11:01AM LST	0.4 L	04:26PM LST	2.0 H	11:11PM LST	0.6 L		
03/09/2010	Tue	04:53AM LST	2.4 H	12:03PM LST	0.4 L	05:26PM LST	2.0 H				
03/10/2010	Wed	12:13AM LST	0.5 L	05:53AM LST	2.4 H	12:56PM LST	0.4 L	06:27PM LST	2.1 H		
03/11/2010	Thu	01:06AM LST	0.4 L	06:51AM LST	2.4 H	01:42PM LST	0.3 L	07:22PM LST	2.3 H		
03/12/2010	Fri	01:54AM LST	0.3 L	07:42AM LST	2.5 H	02:24PM LST	0.2 L	08:09PM LST	2.4 H		
03/13/2010	Sat	02:39AM LST	0.2 L	08:25AM LST	2.6 H	03:04PM LST	0.1 L	08:49PM LST	2.5 H		
03/14/2010	Sun	04:22AM LDT	0.1 L	10:05AM LDT	2.7 H	04:42PM LDT	0.0 L	10:25PM LDT	2.6 H		
03/15/2010	Mon	05:03AM LDT	0.1 L	10:41AM LDT	2.7 H	05:18PM LDT	-0.1 L	10:59PM LDT	2.7 H		
03/16/2010	Tue	05:43AM LDT	0.0 L	11:15AM LDT	2.6 H	05:53PM LDT	-0.1 L	11:30PM LDT	2.8 H		
03/17/2010	Wed	06:22AM LDT	0.0 L	11:49AM LDT	2.6 H	06:26PM LDT	0.0 L				
03/18/2010	Thu	12:00AM LDT	2.8 H	06:58AM LDT	0.0 L	12:24PM LDT	2.5 H	06:58PM LDT	0.0 L		
03/19/2010	Fri	12:31AM LDT	2.8 H	07:35AM LDT	0.1 L	01:02PM LDT	2.4 H	07:29PM LDT	0.1 L		
03/20/2010	Sat	01:07AM LDT	2.8 H	08:12AM LDT	0.2 L	01:46PM LDT	2.3 H	08:04PM LDT	0.2 L		
03/21/2010	Sun	01:53AM LDT	2.8 H	08:56AM LDT	0.3 L	02:39PM LDT	2.3 H	08:47PM LDT	0.3 L		
03/22/2010	Mon	02:48AM LDT	2.7 H	09:55AM LDT	0.4 L	03:38PM LDT	2.2 H	09:46PM LDT	0.4 L		
03/23/2010	Tue	03:51AM LDT	2.6 H	11:12AM LDT	0.4 L	04:41PM LDT	2.2 H	11:10PM LDT	0.4 L		
03/24/2010	Wed	04:57AM LDT	2.7 H	12:27PM LDT	0.3 L	05:47PM LDT	2.3 H				
03/25/2010	Thu	12:32AM LDT	0.3 L	06:06AM LDT	2.8 H	01:29PM LDT	0.1 L	06:55PM LDT	2.5 H		
03/26/2010	Fri	01:39AM LDT	0.1 L	07:16AM LDT	2.8 H	02:24PM LDT	-0.1 L	07:58PM LDT	2.7 H		
03/27/2010	Sat	02:39AM LDT	-0.1 L	08:19AM LDT	3.0 H	03:15PM LDT	-0.3 L	08:55PM LDT	3.0 H		
03/28/2010	Sun	03:35AM LDT	-0.3 L	09:15AM LDT	3.1 H	04:04PM LDT	-0.4 L	09:47PM LDT	3.2 H		
03/29/2010	Mon	04:29AM LDT	-0.4 L	10:06AM LDT	3.1 H	04:52PM LDT	-0.4 L	10:35PM LDT	3.4 H		
03/30/2010	Tue	05:21AM LDT	-0.5 L	10:54AM LDT	3.1 H	05:38PM LDT	-0.4 L	11:21PM LDT	3.4 H		
03/31/2010	Wed	06:10AM LDT	-0.5 L	11:42AM LDT	3.0 H	06:23PM LDT	-0.4 L				

All times are listed in Local Standard Time(LST) or, Local Daylight Time (LDT) (when applicable). All heights are in feet referenced to Mean Lower Low Water (MLLW).

April - Gooseneck Point, bridge

Date	Day	Time	Height		Time	Height		Time	Height		Time	Height		Time	Height	
04/01/2010	Thu	12:07AM LDT	3.4	H	06:58AM LDT	-0.4	L	12:30PM LDT	2.8	H	07:07PM LDT	-0.2	L			
04/02/2010	Fri	12:55AM LDT	3.2	H	07:44AM LDT	-0.2	L	01:21PM LDT	2.6	H	07:49PM LDT	0.0	L			
04/03/2010	Sat	01:45AM LDT	3.0	H	08:30AM LDT	0.0	L	02:15PM LDT	2.5	H	08:34PM LDT	0.2	L			
04/04/2010	Sun	02:36AM LDT	2.8	H	09:20AM LDT	0.2	L	03:09PM LDT	2.3	H	09:23PM LDT	0.4	L			
04/05/2010	Mon	03:28AM LDT	2.6	H	10:16AM LDT	0.4	L	04:03PM LDT	2.2	H	10:23PM LDT	0.7	L			
04/06/2010	Tue	04:22AM LDT	2.5	H	11:20AM LDT	0.5	L	04:57PM LDT	2.1	H	11:34PM LDT	0.7	L			
04/07/2010	Wed	05:16AM LDT	2.4	H	12:22PM LDT	0.5	L	05:53PM LDT	2.1	H						
04/08/2010	Thu	12:39AM LDT	0.7	L	06:12AM LDT	2.4	H	01:15PM LDT	0.4	L	06:50PM LDT	2.2	H			
04/09/2010	Fri	01:35AM LDT	0.6	L	07:08AM LDT	2.4	H	02:01PM LDT	0.4	L	07:44PM LDT	2.4	H			
04/10/2010	Sat	02:23AM LDT	0.4	L	08:01AM LDT	2.4	H	02:43PM LDT	0.3	L	08:32PM LDT	2.5	H			
04/11/2010	Sun	03:09AM LDT	0.3	L	08:49AM LDT	2.5	H	03:22PM LDT	0.2	L	09:13PM LDT	2.7	H			
04/12/2010	Mon	03:53AM LDT	0.2	L	09:31AM LDT	2.6	H	04:01PM LDT	0.1	L	09:50PM LDT	2.8	H			
04/13/2010	Tue	04:36AM LDT	0.1	L	10:10AM LDT	2.6	H	04:40PM LDT	0.1	L	10:24PM LDT	2.9	H			
04/14/2010	Wed	05:19AM LDT	0.0	L	10:47AM LDT	2.6	H	05:18PM LDT	0.1	L	10:57PM LDT	3.0	H			
04/15/2010	Thu	06:00AM LDT	0.0	L	11:24AM LDT	2.6	H	05:55PM LDT	0.1	L	11:30PM LDT	3.0	H			
04/16/2010	Fri	06:40AM LDT	0.0	L	12:03PM LDT	2.5	H	06:33PM LDT	0.1	L						
04/17/2010	Sat	12:06AM LDT	3.0	H	07:20AM LDT	0.0	L	12:46PM LDT	2.5	H	07:11PM LDT	0.2	L			
04/18/2010	Sun	12:48AM LDT	3.0	H	08:02AM LDT	0.1	L	01:36PM LDT	2.4	H	07:53PM LDT	0.2	L			
04/19/2010	Mon	01:39AM LDT	2.9	H	08:49AM LDT	0.2	L	02:32PM LDT	2.4	H	08:42PM LDT	0.3	L			
04/20/2010	Tue	02:38AM LDT	2.9	H	09:46AM LDT	0.3	L	03:32PM LDT	2.4	H	09:44PM LDT	0.4	L			
04/21/2010	Wed	03:41AM LDT	2.8	H	10:55AM LDT	0.3	L	04:32PM LDT	2.4	H	11:02PM LDT	0.4	L			
04/22/2010	Thu	04:44AM LDT	2.8	H	12:03PM LDT	0.2	L	05:34PM LDT	2.5	H						
04/23/2010	Fri	12:19AM LDT	0.3	L	05:48AM LDT	2.8	H	01:04PM LDT	0.1	L	06:36PM LDT	2.7	H			
04/24/2010	Sat	01:25AM LDT	0.2	L	06:53AM LDT	2.8	H	01:58PM LDT	-0.1	L	07:37PM LDT	2.9	H			
04/25/2010	Sun	02:24AM LDT	0.0	L	07:55AM LDT	2.8	H	02:48PM LDT	-0.2	L	08:33PM LDT	3.1	H			
04/26/2010	Mon	03:19AM LDT	-0.2	L	08:53AM LDT	2.9	H	03:36PM LDT	-0.2	L	09:25PM LDT	3.3	H			
04/27/2010	Tue	04:12AM LDT	-0.3	L	09:45AM LDT	2.9	H	04:24PM LDT	-0.3	L	10:12PM LDT	3.4	H			
04/28/2010	Wed	05:03AM LDT	-0.3	L	10:34AM LDT	2.9	H	05:11PM LDT	-0.2	L	10:57PM LDT	3.4	H			
04/29/2010	Thu	05:52AM LDT	-0.3	L	11:21AM LDT	2.8	H	05:57PM LDT	-0.1	L	11:42PM LDT	3.4	H			
04/30/2010	Fri	06:38AM LDT	-0.2	L	12:09PM LDT	2.7	H	06:41PM LDT	0.0	L						

All times are listed in Local Standard Time(LST) or, Local Daylight Time (LDT) (when applicable). All heights are in feet referenced to Mean Lower Low Water (MLLW).

May - Gooseneck Point, bridge

Date	Day	Time	Height		Time	Height		Time	Height		Time	Height		Time	Height	
05/01/2010	Sat	12:28AM LDT	3.2	H	07:23AM LDT	-0.1	L	12:59PM LDT	2.5	H	07:24PM LDT	0.2	L			
05/02/2010	Sun	01:16AM LDT	3.0	H	08:07AM LDT	0.1	L	01:51PM LDT	2.4	H	08:07PM LDT	0.4	L			
05/03/2010	Mon	02:06AM LDT	2.8	H	08:51AM LDT	0.2	L	02:44PM LDT	2.3	H	08:53PM LDT	0.6	L			
05/04/2010	Tue	02:56AM LDT	2.6	H	09:40AM LDT	0.4	L	03:36PM LDT	2.3	H	09:46PM LDT	0.7	L			
05/05/2010	Wed	03:46AM LDT	2.5	H	10:34AM LDT	0.5	L	04:26PM LDT	2.3	H	10:50PM LDT	0.8	L			
05/06/2010	Thu	04:36AM LDT	2.4	H	11:31AM LDT	0.6	L	05:16PM LDT	2.3	H	11:57PM LDT	0.8	L			
05/07/2010	Fri	05:27AM LDT	2.4	H	12:25PM LDT	0.5	L	06:06PM LDT	2.3	H						
05/08/2010	Sat	12:56AM LDT	0.7	L	06:19AM LDT	2.3	H	01:13PM LDT	0.4	L	06:57PM LDT	2.4	H			
05/09/2010	Sun	01:48AM LDT	0.6	L	07:13AM LDT	2.3	H	01:56PM LDT	0.3	L	07:46PM LDT	2.6	H			
05/10/2010	Mon	02:36AM LDT	0.4	L	08:05AM LDT	2.4	H	02:37PM LDT	0.3	L	08:30PM LDT	2.8	H			
05/11/2010	Tue	03:22AM LDT	0.3	L	08:53AM LDT	2.4	H	03:19PM LDT	0.2	L	09:11PM LDT	2.9	H			
05/12/2010	Wed	04:07AM LDT	0.2	L	09:37AM LDT	2.5	H	04:01PM LDT	0.2	L	09:50PM LDT	3.0	H			
05/13/2010	Thu	04:53AM LDT	0.1	L	10:19AM LDT	2.5	H	04:44PM LDT	0.1	L	10:28PM LDT	3.1	H			
05/14/2010	Fri	05:38AM LDT	0.0	L	11:01AM LDT	2.6	H	05:29PM LDT	0.1	L	11:07PM LDT	3.2	H			
05/15/2010	Sat	06:22AM LDT	-0.1	L	11:45AM LDT	2.5	H	06:13PM LDT	0.1	L	11:49PM LDT	3.2	H			
05/16/2010	Sun	07:07AM LDT	-0.1	L	12:33PM LDT	2.5	H	06:59PM LDT	0.1	L						
05/17/2010	Mon	12:37AM LDT	3.1	H	07:52AM LDT	-0.1	L	01:27PM LDT	2.5	H	07:47PM LDT	0.2	L			
05/18/2010	Tue	01:32AM LDT	3.1	H	08:40AM LDT	0.0	L	02:25PM LDT	2.5	H	08:39PM LDT	0.2	L			
05/19/2010	Wed	02:31AM LDT	3.0	H	09:34AM LDT	0.1	L	03:23PM LDT	2.6	H	09:40PM LDT	0.3	L			
05/20/2010	Thu	03:31AM LDT	2.9	H	10:34AM LDT	0.1	L	04:20PM LDT	2.7	H	10:52PM LDT	0.4	L			
05/21/2010	Fri	04:29AM LDT	2.8	H	11:37AM LDT	0.1	L	05:18PM LDT	2.8	H						
05/22/2010	Sat	12:04AM LDT	0.3	L	05:28AM LDT	2.8	H	12:36PM LDT	0.1	L	06:16PM LDT	2.9	H			
05/23/2010	Sun	01:09AM LDT	0.2	L	06:30AM LDT	2.7	H	01:30PM LDT	0.0	L	07:14PM LDT	3.0	H			
05/24/2010	Mon	02:08AM LDT	0.1	L	07:31AM LDT	2.6	H	02:20PM LDT	-0.1	L	08:10PM LDT	3.2	H			
05/25/2010	Tue	03:02AM LDT	0.0	L	08:31AM LDT	2.6	H	03:10PM LDT	-0.1	L	09:02PM LDT	3.3	H			
05/26/2010	Wed	03:55AM LDT	-0.1	L	09:25AM LDT	2.6	H	03:58PM LDT	-0.1	L	09:50PM LDT	3.3	H			
05/27/2010	Thu	04:45AM LDT	-0.1	L	10:15AM LDT	2.6	H	04:47PM LDT	0.0	L	10:36PM LDT	3.3	H			
05/28/2010	Fri	05:33AM LDT	-0.1	L	11:03AM LDT	2.6	H	05:34PM LDT	0.1	L	11:20PM LDT	3.2	H			
05/29/2010	Sat	06:19AM LDT	-0.1	L	11:50AM LDT	2.6	H	06:19PM LDT	0.2	L						
05/30/2010	Sun	12:04AM LDT	3.1	H	07:02AM LDT	0.0	L	12:37PM LDT	2.5	H	07:01PM LDT	0.3	L			
05/31/2010	Mon	12:49AM LDT	3.0	H	07:43AM LDT	0.1	L	01:26PM LDT	2.4	H	07:43PM LDT	0.4	L			

All times are listed in Local Standard Time(LST) or, Local Daylight Time (LDT) (when applicable). All heights are in feet referenced to Mean Lower Low Water (MLLW).

June - Gooseneck Point, bridge

Date	Day	Time	Height		Time	Height		Time	Height		Time	Height		Time	Height
06/01/2010	Tue	01:36AM LDT	2.8	H	08:23AM LDT	0.2	L	02:16PM LDT	2.4	H	08:25PM LDT	0.6	L		
06/02/2010	Wed	02:23AM LDT	2.6	H	09:04AM LDT	0.3	L	03:04PM LDT	2.3	H	09:10PM LDT	0.7	L		
06/03/2010	Thu	03:09AM LDT	2.5	H	09:47AM LDT	0.4	L	03:50PM LDT	2.3	H	10:04PM LDT	0.8	L		
06/04/2010	Fri	03:54AM LDT	2.4	H	10:35AM LDT	0.4	L	04:34PM LDT	2.4	H	11:07PM LDT	0.8	L		
06/05/2010	Sat	04:40AM LDT	2.4	H	11:26AM LDT	0.5	L	05:18PM LDT	2.4	H					
06/06/2010	Sun	12:11AM LDT	0.8	L	05:28AM LDT	2.3	H	12:17PM LDT	0.4	L	06:04PM LDT	2.5	H		
06/07/2010	Mon	01:08AM LDT	0.7	L	06:20AM LDT	2.3	H	01:06PM LDT	0.4	L	06:53PM LDT	2.6	H		
06/08/2010	Tue	02:00AM LDT	0.5	L	07:16AM LDT	2.3	H	01:52PM LDT	0.3	L	07:43PM LDT	2.8	H		
06/09/2010	Wed	02:49AM LDT	0.3	L	08:12AM LDT	2.3	H	02:39PM LDT	0.3	L	08:31PM LDT	2.9	H		
06/10/2010	Thu	03:38AM LDT	0.2	L	09:04AM LDT	2.4	H	03:27PM LDT	0.2	L	09:18PM LDT	3.1	H		
06/11/2010	Fri	04:27AM LDT	0.1	L	09:53AM LDT	2.5	H	04:16PM LDT	0.1	L	10:03PM LDT	3.2	H		
06/12/2010	Sat	05:16AM LDT	-0.1	L	10:40AM LDT	2.6	H	05:07PM LDT	0.1	L	10:49PM LDT	3.3	H		
06/13/2010	Sun	06:04AM LDT	-0.2	L	11:28AM LDT	2.6	H	05:58PM LDT	0.0	L	11:37PM LDT	3.3	H		
06/14/2010	Mon	06:51AM LDT	-0.2	L	12:19PM LDT	2.7	H	06:48PM LDT	-0.1	L					
06/15/2010	Tue	12:28AM LDT	3.3	H	07:37AM LDT	-0.2	L	01:14PM LDT	2.8	H	07:38PM LDT	0.0	L		
06/16/2010	Wed	01:22AM LDT	3.2	H	08:25AM LDT	-0.2	L	02:11PM LDT	2.8	H	08:32PM LDT	0.1	L		
06/17/2010	Thu	02:19AM LDT	3.1	H	09:15AM LDT	-0.1	L	03:08PM LDT	2.9	H	09:30PM LDT	0.2	L		
06/18/2010	Fri	03:16AM LDT	3.0	H	10:09AM LDT	-0.1	L	04:03PM LDT	2.9	H	10:36PM LDT	0.3	L		
06/19/2010	Sat	04:12AM LDT	2.8	H	11:07AM LDT	0.0	L	04:57PM LDT	3.0	H	11:46PM LDT	0.3	L		
06/20/2010	Sun	05:08AM LDT	2.6	H	12:07PM LDT	0.1	L	05:53PM LDT	3.0	H					
06/21/2010	Mon	12:52AM LDT	0.3	L	06:07AM LDT	2.5	H	01:03PM LDT	0.1	L	06:50PM LDT	3.0	H		
06/22/2010	Tue	01:51AM LDT	0.2	L	07:09AM LDT	2.4	H	01:56PM LDT	0.1	L	07:47PM LDT	3.1	H		
06/23/2010	Wed	02:45AM LDT	0.1	L	08:10AM LDT	2.4	H	02:47PM LDT	0.1	L	08:41PM LDT	3.1	H		
06/24/2010	Thu	03:37AM LDT	0.1	L	09:07AM LDT	2.5	H	03:37PM LDT	0.2	L	09:31PM LDT	3.1	H		
06/25/2010	Fri	04:26AM LDT	0.1	L	09:58AM LDT	2.5	H	04:25PM LDT	0.2	L	10:17PM LDT	3.1	H		
06/26/2010	Sat	05:13AM LDT	0.0	L	10:44AM LDT	2.5	H	05:13PM LDT	0.2	L	11:00PM LDT	3.1	H		
06/27/2010	Sun	05:57AM LDT	0.0	L	11:29AM LDT	2.5	H	05:57PM LDT	0.3	L	11:42PM LDT	3.0	H		
06/28/2010	Mon	06:38AM LDT	0.0	L	12:13PM LDT	2.5	H	06:39PM LDT	0.3	L					
06/29/2010	Tue	12:23AM LDT	2.9	H	07:16AM LDT	0.1	L	12:58PM LDT	2.5	H	07:19PM LDT	0.4	L		
06/30/2010	Wed	01:05AM LDT	2.8	H	07:52AM LDT	0.1	L	01:42PM LDT	2.4	H	07:58PM LDT	0.5	L		

All times are listed in Local Standard Time(LST) or, Local Daylight Time (LDT) (when applicable). All heights are in feet referenced to Mean Lower Low Water (MLLW).

July - Gooseneck Point, bridge

Date	Day	Time	Height		Time	Height		Time	Height		Time	Height		Time	Height	
07/01/2010	Thu	01:47AM LDT	2.7	H	08:27AM LDT	0.2	L	02:26PM LDT	2.4	H	08:38PM LDT	0.6	L			
07/02/2010	Fri	02:29AM LDT	2.5	H	09:01AM LDT	0.3	L	03:07PM LDT	2.4	H	09:22PM LDT	0.7	L			
07/03/2010	Sat	03:11AM LDT	2.4	H	09:38AM LDT	0.4	L	03:47PM LDT	2.5	H	10:16PM LDT	0.8	L			
07/04/2010	Sun	03:54AM LDT	2.3	H	10:22AM LDT	0.4	L	04:28PM LDT	2.5	H	11:21PM LDT	0.8	L			
07/05/2010	Mon	04:40AM LDT	2.3	H	11:14AM LDT	0.5	L	05:11PM LDT	2.6	H						
07/06/2010	Tue	12:26AM LDT	0.7	L	05:32AM LDT	2.2	H	12:13PM LDT	0.5	L	06:00PM LDT	2.6	H			
07/07/2010	Wed	01:24AM LDT	0.6	L	06:31AM LDT	2.2	H	01:10PM LDT	0.4	L	06:56PM LDT	2.8	H			
07/08/2010	Thu	02:18AM LDT	0.4	L	07:34AM LDT	2.3	H	02:05PM LDT	0.3	L	07:55PM LDT	2.9	H			
07/09/2010	Fri	03:11AM LDT	0.2	L	08:34AM LDT	2.4	H	02:59PM LDT	0.2	L	08:51PM LDT	3.1	H			
07/10/2010	Sat	04:02AM LDT	0.1	L	09:29AM LDT	2.5	H	03:54PM LDT	0.1	L	09:43PM LDT	3.3	H			
07/11/2010	Sun	04:53AM LDT	-0.1	L	10:20AM LDT	2.7	H	04:49PM LDT	-0.1	L	10:33PM LDT	3.4	H			
07/12/2010	Mon	05:43AM LDT	-0.2	L	11:10AM LDT	2.8	H	05:42PM LDT	-0.2	L	11:22PM LDT	3.4	H			
07/13/2010	Tue	06:31AM LDT	-0.3	L	12:02PM LDT	2.9	H	06:35PM LDT	-0.2	L						
07/14/2010	Wed	12:13AM LDT	3.4	H	07:17AM LDT	-0.4	L	12:55PM LDT	3.0	H	07:26PM LDT	-0.2	L			
07/15/2010	Thu	01:06AM LDT	3.3	H	08:03AM LDT	-0.3	L	01:50PM LDT	3.0	H	08:19PM LDT	-0.1	L			
07/16/2010	Fri	02:01AM LDT	3.1	H	08:50AM LDT	-0.3	L	02:46PM LDT	3.1	H	09:15PM LDT	0.1	L			
07/17/2010	Sat	02:57AM LDT	2.9	H	09:40AM LDT	-0.1	L	03:40PM LDT	3.1	H	10:17PM LDT	0.2	L			
07/18/2010	Sun	03:52AM LDT	2.8	H	10:36AM LDT	0.1	L	04:34PM LDT	3.0	H	11:25PM LDT	0.3	L			
07/19/2010	Mon	04:48AM LDT	2.5	H	11:38AM LDT	0.2	L	05:29PM LDT	3.0	H						
07/20/2010	Tue	12:32AM LDT	0.3	L	05:47AM LDT	2.4	H	12:38PM LDT	0.3	L	06:26PM LDT	3.0	H			
07/21/2010	Wed	01:33AM LDT	0.3	L	06:49AM LDT	2.3	H	01:35PM LDT	0.3	L	07:25PM LDT	2.9	H			
07/22/2010	Thu	02:27AM LDT	0.3	L	07:52AM LDT	2.3	H	02:28PM LDT	0.3	L	08:21PM LDT	3.0	H			
07/23/2010	Fri	03:18AM LDT	0.2	L	08:50AM LDT	2.4	H	03:18PM LDT	0.3	L	09:12PM LDT	3.0	H			
07/24/2010	Sat	04:05AM LDT	0.2	L	09:40AM LDT	2.5	H	04:06PM LDT	0.3	L	09:57PM LDT	3.0	H			
07/25/2010	Sun	04:50AM LDT	0.1	L	10:24AM LDT	2.5	H	04:52PM LDT	0.3	L	10:39PM LDT	3.0	H			
07/26/2010	Mon	05:31AM LDT	0.1	L	11:06AM LDT	2.6	H	05:35PM LDT	0.3	L	11:18PM LDT	3.0	H			
07/27/2010	Tue	06:09AM LDT	0.1	L	11:46AM LDT	2.6	H	06:16PM LDT	0.3	L	11:56PM LDT	2.9	H			
07/28/2010	Wed	06:45AM LDT	0.1	L	12:25PM LDT	2.6	H	06:54PM LDT	0.3	L						
07/29/2010	Thu	12:33AM LDT	2.8	H	07:18AM LDT	0.1	L	01:03PM LDT	2.6	H	07:32PM LDT	0.4	L			
07/30/2010	Fri	01:11AM LDT	2.7	H	07:50AM LDT	0.2	L	01:41PM LDT	2.5	H	08:08PM LDT	0.5	L			
07/31/2010	Sat	01:49AM LDT	2.5	H	08:19AM LDT	0.3	L	02:18PM LDT	2.5	H	08:46PM LDT	0.6	L			

All times are listed in Local Standard Time(LST) or, Local Daylight Time (LDT) (when applicable). All heights are in feet referenced to Mean Lower Low Water (MLLW).

August - Gooseneck Point, bridge

Date	Day	Time	Height		Time	Height		Time	Height		Time	Height		Time	Height	
08/01/2010	Sun	02:29AM LDT	2.4	H	08:50AM LDT	0.4	L	02:56PM LDT	2.6	H	09:30PM LDT	0.7	L			
08/02/2010	Mon	03:12AM LDT	2.3	H	09:25AM LDT	0.4	L	03:37PM LDT	2.6	H	10:29PM LDT	0.7	L			
08/03/2010	Tue	04:00AM LDT	2.3	H	10:14AM LDT	0.5	L	04:23PM LDT	2.6	H	11:43PM LDT	0.7	L			
08/04/2010	Wed	04:54AM LDT	2.2	H	11:23AM LDT	0.6	L	05:17PM LDT	2.7	H						
08/05/2010	Thu	12:51AM LDT	0.6	L	05:56AM LDT	2.2	H	12:36PM LDT	0.5	L	06:19PM LDT	2.8	H			
08/06/2010	Fri	01:51AM LDT	0.4	L	07:03AM LDT	2.3	H	01:40PM LDT	0.3	L	07:25PM LDT	3.0	H			
08/07/2010	Sat	02:45AM LDT	0.2	L	08:09AM LDT	2.4	H	02:39PM LDT	0.2	L	08:28PM LDT	3.1	H			
08/08/2010	Sun	03:38AM LDT	0.1	L	09:07AM LDT	2.6	H	03:36PM LDT	0.0	L	09:24PM LDT	3.3	H			
08/09/2010	Mon	04:29AM LDT	-0.2	L	10:00AM LDT	2.9	H	04:32PM LDT	-0.2	L	10:15PM LDT	3.5	H			
08/10/2010	Tue	05:18AM LDT	-0.3	L	10:50AM LDT	3.1	H	05:26PM LDT	-0.3	L	11:05PM LDT	3.5	H			
08/11/2010	Wed	06:05AM LDT	-0.4	L	11:40AM LDT	3.2	H	06:19PM LDT	-0.3	L	11:55PM LDT	3.4	H			
08/12/2010	Thu	06:51AM LDT	-0.4	L	12:31PM LDT	3.3	H	07:10PM LDT	-0.3	L						
08/13/2010	Fri	12:46AM LDT	3.3	H	07:36AM LDT	-0.4	L	01:25PM LDT	3.3	H	08:02PM LDT	-0.2	L			
08/14/2010	Sat	01:40AM LDT	3.1	H	08:22AM LDT	-0.2	L	02:19PM LDT	3.2	H	08:55PM LDT	0.0	L			
08/15/2010	Sun	02:36AM LDT	2.9	H	09:11AM LDT	-0.1	L	03:14PM LDT	3.1	H	09:54PM LDT	0.2	L			
08/16/2010	Mon	03:32AM LDT	2.6	H	10:06AM LDT	0.2	L	04:08PM LDT	3.0	H	11:01PM LDT	0.4	L			
08/17/2010	Tue	04:29AM LDT	2.5	H	11:09AM LDT	0.4	L	05:03PM LDT	2.9	H						
08/18/2010	Wed	12:09AM LDT	0.4	L	05:28AM LDT	2.4	H	12:15PM LDT	0.5	L	06:01PM LDT	2.8	H			
08/19/2010	Thu	01:12AM LDT	0.4	L	06:30AM LDT	2.3	H	01:16PM LDT	0.5	L	07:01PM LDT	2.8	H			
08/20/2010	Fri	02:06AM LDT	0.4	L	07:32AM LDT	2.3	H	02:10PM LDT	0.4	L	07:58PM LDT	2.8	H			
08/21/2010	Sat	02:54AM LDT	0.3	L	08:29AM LDT	2.4	H	02:59PM LDT	0.4	L	08:50PM LDT	2.9	H			
08/22/2010	Sun	03:39AM LDT	0.2	L	09:18AM LDT	2.5	H	03:45PM LDT	0.3	L	09:34PM LDT	2.9	H			
08/23/2010	Mon	04:20AM LDT	0.2	L	10:00AM LDT	2.6	H	04:29PM LDT	0.3	L	10:14PM LDT	3.0	H			
08/24/2010	Tue	04:59AM LDT	0.1	L	10:39AM LDT	2.7	H	05:11PM LDT	0.3	L	10:51PM LDT	3.0	H			
08/25/2010	Wed	05:36AM LDT	0.1	L	11:15AM LDT	2.8	H	05:51PM LDT	0.3	L	11:27PM LDT	2.9	H			
08/26/2010	Thu	06:10AM LDT	0.1	L	11:50AM LDT	2.8	H	06:30PM LDT	0.3	L						
08/27/2010	Fri	12:02AM LDT	2.8	H	06:43AM LDT	0.2	L	12:22PM LDT	2.8	H	07:06PM LDT	0.3	L			
08/28/2010	Sat	12:36AM LDT	2.6	H	07:13AM LDT	0.2	L	12:54PM LDT	2.8	H	07:41PM LDT	0.4	L			
08/29/2010	Sun	01:12AM LDT	2.5	H	07:42AM LDT	0.3	L	01:27PM LDT	2.7	H	08:17PM LDT	0.5	L			
08/30/2010	Mon	01:51AM LDT	2.4	H	08:11AM LDT	0.4	L	02:05PM LDT	2.7	H	08:57PM LDT	0.6	L			
08/31/2010	Tue	02:37AM LDT	2.3	H	08:46AM LDT	0.4	L	02:52PM LDT	2.7	H	09:50PM LDT	0.7	L			

All times are listed in Local Standard Time(LST) or, Local Daylight Time (LDT) (when applicable). All heights are in feet referenced to Mean Lower Low Water (MLLW).

September - Gooseneck Point, bridge

Date	Day	Time	Height		Time	Height		Time	Height		Time	Height		Time	Height	
09/01/2010	Wed	03:30AM LDT	2.3	H	09:34AM LDT	0.6	L	03:46PM LDT	2.7	H	11:06PM LDT	0.7	L			
09/02/2010	Thu	04:29AM LDT	2.2	H	10:48AM LDT	0.6	L	04:47PM LDT	2.8	H						
09/03/2010	Fri	12:22AM LDT	0.6	L	05:33AM LDT	2.3	H	12:12PM LDT	0.6	L	05:53PM LDT	2.8	H			
09/04/2010	Sat	01:25AM LDT	0.4	L	06:41AM LDT	2.4	H	01:22PM LDT	0.3	L	07:02PM LDT	3.0	H			
09/05/2010	Sun	02:20AM LDT	0.2	L	07:47AM LDT	2.6	H	02:23PM LDT	0.2	L	08:06PM LDT	3.1	H			
09/06/2010	Mon	03:12AM LDT	0.0	L	08:46AM LDT	2.9	H	03:20PM LDT	-0.1	L	09:03PM LDT	3.3	H			
09/07/2010	Tue	04:02AM LDT	-0.2	L	09:39AM LDT	3.1	H	04:15PM LDT	-0.2	L	09:55PM LDT	3.4	H			
09/08/2010	Wed	04:50AM LDT	-0.4	L	10:28AM LDT	3.4	H	05:09PM LDT	-0.3	L	10:45PM LDT	3.4	H			
09/09/2010	Thu	05:37AM LDT	-0.4	L	11:17AM LDT	3.5	H	06:01PM LDT	-0.4	L	11:34PM LDT	3.4	H			
09/10/2010	Fri	06:23AM LDT	-0.4	L	12:06PM LDT	3.5	H	06:52PM LDT	-0.3	L						
09/11/2010	Sat	12:24AM LDT	3.2	H	07:09AM LDT	-0.3	L	12:57PM LDT	3.4	H	07:42PM LDT	-0.2	L			
09/12/2010	Sun	01:17AM LDT	3.0	H	07:54AM LDT	-0.1	L	01:50PM LDT	3.3	H	08:34PM LDT	0.0	L			
09/13/2010	Mon	02:14AM LDT	2.8	H	08:42AM LDT	0.1	L	02:45PM LDT	3.1	H	09:30PM LDT	0.2	L			
09/14/2010	Tue	03:11AM LDT	2.5	H	09:36AM LDT	0.3	L	03:41PM LDT	3.0	H	10:33PM LDT	0.4	L			
09/15/2010	Wed	04:09AM LDT	2.4	H	10:39AM LDT	0.6	L	04:37PM LDT	2.8	H	11:41PM LDT	0.6	L			
09/16/2010	Thu	05:07AM LDT	2.3	H	11:50AM LDT	0.7	L	05:34PM LDT	2.7	H						
09/17/2010	Fri	12:45AM LDT	0.6	L	06:07AM LDT	2.3	H	12:54PM LDT	0.7	L	06:32PM LDT	2.6	H			
09/18/2010	Sat	01:38AM LDT	0.4	L	07:07AM LDT	2.4	H	01:48PM LDT	0.6	L	07:29PM LDT	2.7	H			
09/19/2010	Sun	02:24AM LDT	0.4	L	08:02AM LDT	2.4	H	02:36PM LDT	0.5	L	08:20PM LDT	2.8	H			
09/20/2010	Mon	03:05AM LDT	0.3	L	08:50AM LDT	2.6	H	03:20PM LDT	0.4	L	09:05PM LDT	2.8	H			
09/21/2010	Tue	03:44AM LDT	0.2	L	09:31AM LDT	2.7	H	04:03PM LDT	0.3	L	09:45PM LDT	2.9	H			
09/22/2010	Wed	04:22AM LDT	0.2	L	10:08AM LDT	2.8	H	04:45PM LDT	0.2	L	10:22PM LDT	2.9	H			
09/23/2010	Thu	04:58AM LDT	0.1	L	10:43AM LDT	2.9	H	05:26PM LDT	0.2	L	10:58PM LDT	2.8	H			
09/24/2010	Fri	05:34AM LDT	0.1	L	11:14AM LDT	2.9	H	06:05PM LDT	0.2	L	11:32PM LDT	2.7	H			
09/25/2010	Sat	06:07AM LDT	0.2	L	11:44AM LDT	2.9	H	06:43PM LDT	0.2	L						
09/26/2010	Sun	12:06AM LDT	2.6	H	06:40AM LDT	0.2	L	12:14PM LDT	2.9	H	07:19PM LDT	0.3	L			
09/27/2010	Mon	12:42AM LDT	2.5	H	07:11AM LDT	0.3	L	12:47PM LDT	2.9	H	07:56PM LDT	0.4	L			
09/28/2010	Tue	01:24AM LDT	2.4	H	07:44AM LDT	0.4	L	01:29PM LDT	2.8	H	08:37PM LDT	0.5	L			
09/29/2010	Wed	02:14AM LDT	2.3	H	08:23AM LDT	0.4	L	02:21PM LDT	2.8	H	09:30PM LDT	0.6	L			
09/30/2010	Thu	03:13AM LDT	2.3	H	09:15AM LDT	0.6	L	03:23PM LDT	2.8	H	10:41PM LDT	0.6	L			

All times are listed in Local Standard Time(LST) or, Local Daylight Time (LDT) (when applicable). All heights are in feet referenced to Mean Lower Low Water (MLLW).

October - Gooseneck Point, bridge

Date	Day	Time	Height		Time	Height		Time	Height		Time	Height		Time	Height	
10/01/2010	Fri	04:15AM LDT	2.3	H	10:31AM LDT	0.6	L	04:27PM LDT	2.8	H	11:57PM LDT	0.5	L			
10/02/2010	Sat	05:18AM LDT	2.4	H	11:57AM LDT	0.5	L	05:33PM LDT	2.8	H						
10/03/2010	Sun	01:00AM LDT	0.3	L	06:23AM LDT	2.5	H	01:07PM LDT	0.3	L	06:40PM LDT	2.9	H			
10/04/2010	Mon	01:55AM LDT	0.1	L	07:26AM LDT	2.8	H	02:08PM LDT	0.1	L	07:44PM LDT	3.0	H			
10/05/2010	Tue	02:45AM LDT	-0.1	L	08:24AM LDT	3.0	H	03:04PM LDT	-0.1	L	08:42PM LDT	3.2	H			
10/06/2010	Wed	03:34AM LDT	-0.3	L	09:17AM LDT	3.3	H	03:59PM LDT	-0.3	L	09:34PM LDT	3.2	H			
10/07/2010	Thu	04:22AM LDT	-0.4	L	10:06AM LDT	3.5	H	04:52PM LDT	-0.3	L	10:24PM LDT	3.2	H			
10/08/2010	Fri	05:09AM LDT	-0.4	L	10:53AM LDT	3.6	H	05:44PM LDT	-0.4	L	11:13PM LDT	3.1	H			
10/09/2010	Sat	05:56AM LDT	-0.3	L	11:41AM LDT	3.5	H	06:34PM LDT	-0.3	L						
10/10/2010	Sun	12:03AM LDT	3.0	H	06:42AM LDT	-0.2	L	12:30PM LDT	3.4	H	07:23PM LDT	-0.2	L			
10/11/2010	Mon	12:55AM LDT	2.8	H	07:28AM LDT	0.0	L	01:22PM LDT	3.2	H	08:12PM LDT	0.0	L			
10/12/2010	Tue	01:51AM LDT	2.6	H	08:15AM LDT	0.2	L	02:16PM LDT	3.0	H	09:03PM LDT	0.2	L			
10/13/2010	Wed	02:49AM LDT	2.4	H	09:06AM LDT	0.4	L	03:12PM LDT	2.8	H	10:01PM LDT	0.4	L			
10/14/2010	Thu	03:46AM LDT	2.3	H	10:07AM LDT	0.6	L	04:07PM LDT	2.7	H	11:05PM LDT	0.5	L			
10/15/2010	Fri	04:43AM LDT	2.3	H	11:16AM LDT	0.7	L	05:02PM LDT	2.6	H						
10/16/2010	Sat	12:07AM LDT	0.6	L	05:38AM LDT	2.3	H	12:23PM LDT	0.7	L	05:56PM LDT	2.5	H			
10/17/2010	Sun	01:00AM LDT	0.5	L	06:33AM LDT	2.3	H	01:19PM LDT	0.6	L	06:50PM LDT	2.5	H			
10/18/2010	Mon	01:46AM LDT	0.4	L	07:26AM LDT	2.4	H	02:07PM LDT	0.5	L	07:42PM LDT	2.5	H			
10/19/2010	Tue	02:26AM LDT	0.3	L	08:14AM LDT	2.6	H	02:52PM LDT	0.4	L	08:29PM LDT	2.6	H			
10/20/2010	Wed	03:05AM LDT	0.2	L	08:57AM LDT	2.8	H	03:35PM LDT	0.3	L	09:12PM LDT	2.6	H			
10/21/2010	Thu	03:43AM LDT	0.2	L	09:34AM LDT	2.9	H	04:18PM LDT	0.2	L	09:52PM LDT	2.6	H			
10/22/2010	Fri	04:20AM LDT	0.1	L	10:09AM LDT	3.0	H	05:00PM LDT	0.2	L	10:29PM LDT	2.6	H			
10/23/2010	Sat	04:58AM LDT	0.1	L	10:41AM LDT	3.0	H	05:41PM LDT	0.1	L	11:06PM LDT	2.6	H			
10/24/2010	Sun	05:35AM LDT	0.2	L	11:13AM LDT	3.0	H	06:21PM LDT	0.1	L	11:42PM LDT	2.5	H			
10/25/2010	Mon	06:12AM LDT	0.2	L	11:46AM LDT	3.0	H	07:01PM LDT	0.2	L						
10/26/2010	Tue	12:22AM LDT	2.4	H	06:49AM LDT	0.2	L	12:23PM LDT	2.9	H	07:41PM LDT	0.2	L			
10/27/2010	Wed	01:08AM LDT	2.4	H	07:29AM LDT	0.3	L	01:10PM LDT	2.9	H	08:25PM LDT	0.3	L			
10/28/2010	Thu	02:02AM LDT	2.3	H	08:13AM LDT	0.3	L	02:06PM LDT	2.8	H	09:17PM LDT	0.3	L			
10/29/2010	Fri	03:02AM LDT	2.3	H	09:09AM LDT	0.4	L	03:09PM LDT	2.8	H	10:21PM LDT	0.4	L			
10/30/2010	Sat	04:03AM LDT	2.4	H	10:22AM LDT	0.5	L	04:12PM LDT	2.8	H	11:30PM LDT	0.3	L			
10/31/2010	Sun	05:03AM LDT	2.5	H	11:42AM LDT	0.4	L	05:15PM LDT	2.8	H						

All times are listed in Local Standard Time(LST) or, Local Daylight Time (LDT) (when applicable). All heights are in feet referenced to Mean Lower Low Water (MLLW).

November - Gooseneck Point, bridge

Date	Day	Time	Height		Time	Height		Time	Height		Time	Height		Time	Height	
11/01/2010	Mon	12:33AM LDT	0.2	L	06:04AM LDT	2.6	H	12:52PM LDT	0.3	L	06:18PM LDT	2.8	H			
11/02/2010	Tue	01:27AM LDT	0.0	L	07:04AM LDT	2.9	H	01:53PM LDT	0.1	L	07:20PM LDT	2.8	H			
11/03/2010	Wed	02:18AM LDT	-0.2	L	08:02AM LDT	3.1	H	02:49PM LDT	-0.1	L	08:20PM LDT	2.9	H			
11/04/2010	Thu	03:07AM LDT	-0.3	L	08:55AM LDT	3.3	H	03:43PM LDT	-0.3	L	09:14PM LDT	2.9	H			
11/05/2010	Fri	03:55AM LDT	-0.3	L	09:45AM LDT	3.5	H	04:35PM LDT	-0.3	L	10:05PM LDT	2.9	H			
11/06/2010	Sat	04:44AM LDT	-0.3	L	10:32AM LDT	3.5	H	05:26PM LDT	-0.3	L	10:55PM LDT	2.9	H			
11/07/2010	Sun	04:32AM LST	-0.3	L	10:19AM LST	3.4	H	05:16PM LST	-0.3	L	10:44PM LST	2.8	H			
11/08/2010	Mon	05:19AM LST	-0.1	L	11:06AM LST	3.3	H	06:03PM LST	-0.2	L	11:35PM LST	2.6	H			
11/09/2010	Tue	06:05AM LST	0.0	L	11:55AM LST	3.1	H	06:49PM LST	-0.1	L						
11/10/2010	Wed	12:28AM LST	2.5	H	06:51AM LST	0.2	L	12:47PM LST	2.9	H	07:36PM LST	0.1	L			
11/11/2010	Thu	01:24AM LST	2.4	H	07:38AM LST	0.4	L	01:41PM LST	2.7	H	08:25PM LST	0.3	L			
11/12/2010	Fri	02:18AM LST	2.3	H	08:31AM LST	0.6	L	02:33PM LST	2.5	H	09:19PM LST	0.4	L			
11/13/2010	Sat	03:11AM LST	2.2	H	09:33AM LST	0.7	L	03:23PM LST	2.4	H	10:17PM LST	0.4	L			
11/14/2010	Sun	04:02AM LST	2.3	H	10:40AM LST	0.7	L	04:13PM LST	2.4	H	11:11PM LST	0.4	L			
11/15/2010	Mon	04:52AM LST	2.3	H	11:41AM LST	0.7	L	05:04PM LST	2.3	H	11:59PM LST	0.4	L			
11/16/2010	Tue	05:42AM LST	2.4	H	12:33PM LST	0.5	L	05:57PM LST	2.3	H						
11/17/2010	Wed	12:42AM LST	0.3	L	06:31AM LST	2.5	H	01:20PM LST	0.4	L	06:48PM LST	2.3	H			
11/18/2010	Thu	01:23AM LST	0.2	L	07:16AM LST	2.6	H	02:06PM LST	0.3	L	07:37PM LST	2.4	H			
11/19/2010	Fri	02:03AM LST	0.2	L	07:58AM LST	2.8	H	02:50PM LST	0.2	L	08:21PM LST	2.4	H			
11/20/2010	Sat	02:44AM LST	0.1	L	08:36AM LST	2.9	H	03:35PM LST	0.1	L	09:02PM LST	2.4	H			
11/21/2010	Sun	03:26AM LST	0.1	L	09:13AM LST	3.0	H	04:19PM LST	0.0	L	09:42PM LST	2.4	H			
11/22/2010	Mon	04:08AM LST	0.1	L	09:49AM LST	3.0	H	05:02PM LST	-0.1	L	10:23PM LST	2.4	H			
11/23/2010	Tue	04:52AM LST	0.1	L	10:28AM LST	3.0	H	05:45PM LST	-0.1	L	11:07PM LST	2.4	H			
11/24/2010	Wed	05:35AM LST	0.1	L	11:11AM LST	3.0	H	06:28PM LST	-0.1	L	11:56PM LST	2.4	H			
11/25/2010	Thu	06:20AM LST	0.1	L	12:01PM LST	2.9	H	07:13PM LST	0.0	L						
11/26/2010	Fri	12:51AM LST	2.4	H	07:08AM LST	0.1	L	12:57PM LST	2.9	H	08:02PM LST	0.0	L			
11/27/2010	Sat	01:50AM LST	2.4	H	08:04AM LST	0.2	L	01:57PM LST	2.8	H	08:58PM LST	0.1	L			
11/28/2010	Sun	02:48AM LST	2.5	H	09:11AM LST	0.3	L	02:56PM LST	2.7	H	10:00PM LST	0.1	L			
11/29/2010	Mon	03:45AM LST	2.6	H	10:26AM LST	0.3	L	03:55PM LST	2.6	H	11:02PM LST	0.0	L			
11/30/2010	Tue	04:43AM LST	2.7	H	11:36AM LST	0.2	L	04:56PM LST	2.6	H						

All times are listed in Local Standard Time(LST) or, Local Daylight Time (LDT) (when applicable). All heights are in feet referenced to Mean Lower Low Water (MLLW).

December - Gooseneck Point, bridge

Date	Day	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height
12/01/2010	Wed	12:00AM LST	-0.1 L	05:42AM LST	2.9 H	12:38PM LST	0.0 L	05:58PM LST	2.5 H		
12/02/2010	Thu	12:52AM LST	-0.2 L	06:40AM LST	3.0 H	01:34PM LST	-0.1 L	07:00PM LST	2.5 H		
12/03/2010	Fri	01:43AM LST	-0.2 L	07:35AM LST	3.1 H	02:28PM LST	-0.2 L	07:57PM LST	2.6 H		
12/04/2010	Sat	02:33AM LST	-0.3 L	08:26AM LST	3.2 H	03:20PM LST	-0.3 L	08:50PM LST	2.6 H		
12/05/2010	Sun	03:23AM LST	-0.2 L	09:14AM LST	3.2 H	04:10PM LST	-0.3 L	09:39PM LST	2.6 H		
12/06/2010	Mon	04:12AM LST	-0.2 L	10:00AM LST	3.2 H	04:58PM LST	-0.3 L	10:27PM LST	2.5 H		
12/07/2010	Tue	04:59AM LST	-0.1 L	10:45AM LST	3.1 H	05:43PM LST	-0.2 L	11:14PM LST	2.5 H		
12/08/2010	Wed	05:44AM LST	0.0 L	11:31AM LST	2.9 H	06:26PM LST	-0.2 L				
12/09/2010	Thu	12:04AM LST	2.4 H	06:27AM LST	0.1 L	12:18PM LST	2.8 H	07:07PM LST	-0.1 L		
12/10/2010	Fri	12:54AM LST	2.3 H	07:10AM LST	0.3 L	01:06PM LST	2.6 H	07:48PM LST	0.1 L		
12/11/2010	Sat	01:44AM LST	2.2 H	07:55AM LST	0.4 L	01:54PM LST	2.5 H	08:31PM LST	0.2 L		
12/12/2010	Sun	02:32AM LST	2.2 H	08:46AM LST	0.6 L	02:41PM LST	2.3 H	09:17PM LST	0.3 L		
12/13/2010	Mon	03:18AM LST	2.2 H	09:47AM LST	0.6 L	03:27PM LST	2.2 H	10:09PM LST	0.3 L		
12/14/2010	Tue	04:04AM LST	2.2 H	10:53AM LST	0.6 L	04:15PM LST	2.1 H	11:02PM LST	0.3 L		
12/15/2010	Wed	04:51AM LST	2.3 H	11:53AM LST	0.6 L	05:07PM LST	2.0 H	11:52PM LST	0.3 L		
12/16/2010	Thu	05:40AM LST	2.4 H	12:45PM LST	0.4 L	06:02PM LST	2.0 H				
12/17/2010	Fri	12:39AM LST	0.2 L	06:30AM LST	2.5 H	01:34PM LST	0.3 L	06:58PM LST	2.1 H		
12/18/2010	Sat	01:25AM LST	0.2 L	07:19AM LST	2.6 H	02:22PM LST	0.1 L	07:49PM LST	2.1 H		
12/19/2010	Sun	02:12AM LST	0.1 L	08:05AM LST	2.8 H	03:09PM LST	0.0 L	08:37PM LST	2.3 H		
12/20/2010	Mon	02:59AM LST	0.0 L	08:48AM LST	2.9 H	03:56PM LST	-0.1 L	09:21PM LST	2.4 H		
12/21/2010	Tue	03:47AM LST	-0.1 L	09:31AM LST	3.0 H	04:42PM LST	-0.2 L	10:06PM LST	2.4 H		
12/22/2010	Wed	04:35AM LST	-0.2 L	10:15AM LST	3.1 H	05:27PM LST	-0.3 L	10:52PM LST	2.5 H		
12/23/2010	Thu	05:23AM LST	-0.2 L	11:01AM LST	3.1 H	06:12PM LST	-0.3 L	11:42PM LST	2.5 H		
12/24/2010	Fri	06:11AM LST	-0.2 L	11:51AM LST	3.0 H	06:56PM LST	-0.3 L				
12/25/2010	Sat	12:36AM LST	2.5 H	07:00AM LST	-0.2 L	12:45PM LST	2.9 H	07:42PM LST	-0.3 L		
12/26/2010	Sun	01:32AM LST	2.6 H	07:54AM LST	-0.1 L	01:41PM LST	2.8 H	08:33PM LST	-0.2 L		
12/27/2010	Mon	02:28AM LST	2.6 H	08:56AM LST	0.1 L	02:38PM LST	2.6 H	09:29PM LST	-0.2 L		
12/28/2010	Tue	03:23AM LST	2.7 H	10:07AM LST	0.1 L	03:35PM LST	2.5 H	10:31PM LST	-0.1 L		
12/29/2010	Wed	04:20AM LST	2.8 H	11:17AM LST	0.1 L	04:35PM LST	2.4 H	11:32PM LST	-0.1 L		
12/30/2010	Thu	05:18AM LST	2.8 H	12:21PM LST	0.1 L	05:38PM LST	2.3 H				
12/31/2010	Fri	12:30AM LST	-0.1 L	06:18AM LST	2.9 H	01:19PM LST	-0.1 L	06:42PM LST	2.3 H		

All times are listed in Local Standard Time(LST) or, Local Daylight Time (LDT) (when applicable). All heights are in feet referenced to Mean Lower Low Water (MLLW).

Soil and Sediment Sample Descriptions
Fort Monmouth Main Post and Charles Wood Area
2010 BEE Sampling Event

Sample ID	Description
CW3-SD1	Reddish brown organic silt
CW3-SD2	Reddish brown organic silt
CW3-SD3	Gray coarse sand, medium sand and gravel
CW3-SD4	Dark gray-light gray medium to coarse sand and gravel
CW3-SD5	Brown fine sand and silt
CW3-SD6	Gray medium sand grading to dark brown silt, some organic matter
CW3-SD7	Gray sand and silt, dark brown silt
CW3-SD8	Gray medium to coarse sand and gravel - grading into dark brown silt - organic matter
CW6-SD1	Dark brown organic silt and roots
CW6-SD2	Dark brown organic silt and roots
CW6-SD3	Dark brown organic silt and roots
CW6-SD4	Dark brown organic silt, little roots, leaf matter
CW6-SD6	Red to fine reddish brown sand and silt
CW6-SS1	Reddish brown organic and fine sand, roots
CW6-SS2	Brown organic and fine sand, some roots and gravel
CW6-SS3	Reddish brown organic and fine sand, little roots
CW6-SS4	Brown organic silt, lots of roots
CWA-SD1	Dark gray to brown, medium to fine sand and silt, some organic matter, some gravel
M14-SD10	Dark brown, organic silt and fine sand, trace olive-green silt and clay
M14-SD11	Borwn, organic silt, trace fine sand with roots and peat
M14-SD12	Gray organic silt, some roots
M14-SD13	Light brown medium-fine sand and silt, trace gravel
M14-SD14	Gray, medium-coarse sand, little silt and fine sand, trace gravel, some organic detritus
M14-SD2	Dark gray, medium to coarse sand
M14-SD4	Dark gray, medium to coarse sand - little gravel, little silt
M14-SD5	Dark gray, medium to coarse sand, little brown and light gray sand
M14-SD6	Dark gray, medium to coarse sand and gravel, some fines
M14-SD7	Gray medium to coarse sand and gravel, some fine sand.
M14-SD8	Brown, medium to fine sand, little coarse sand and gravel, little silt
M14-SD9	Sand and gravel, coarse, brown
M15-SD1	Dark gray-orange silt, medium to fine sand with little peat
M15-SD2	Dark gray-orange silt, medium to fine sand
M15-SD3	Dark gray silt and medium to fine sand, trace amount white clay
M15-SD4	Dark gray silt and medium to fine sand, some clay
M16-SD1	Top 2" dark brown silt-sand, grades into medium yellow fine to medium sand
M16-SD2	Dark gray silt and very fine sand
M16-SD3	Dark gray silt and very fine sand
M18-SD1	Organic muck
M18-SD2	Dark brown medium sand and gravel
M18-SD3	Organic muck, glauconitic clay, some gravel and medium-coarse clay
M18-SD4	Glauconitic sand and yellow fine sand
M18-SD4	Dark olive-green glauconitic sand, trace gravel
M18-SD5	Dark gray, medium to fine glauconitic sand, little gravel
M20-SD1	Dark gray, fine sand and silt, some peat, trace gravel
M20-SD2	Dark gray, fine sand and silt, some peat, trace gravel
M2-SD1	Dark gray medium to coarse sand and gravel, little fine sand and silt
M2-SD10	Dark brown, medium to coarse sand, grading to dark brown silt and fine sand with little clay
M2-SD11	Dark brown medium to fine sand and silt, some roots
M2-SD12	Dark gray silt and clay, little gravel and medium-coarse sand
M2-SD13	Brown medium-fine sand and silt, roots and branches
M2-SD14	Dark brown, medium to fine sand and silt, some woody matter

Soil and Sediment Sample Descriptions
Fort Monmouth Main Post and Charles Wood Area
2010 BEE Sampling Event

Sample ID	Description
M2-SD3	Dark brown medium-coarse sand, little fine sand and silt, some gravel and organic matter
M2-SD4	Dark gray to light brown, medium to fine sand, little coarse sand and gravel
M2-SD5	Brown, medium to coarse sand and gravel, gray fine sand and silt
M2-SD6	Dark gray to reddish brown, medium to coarse sand and gravel, some fine sand and silt
M2-SD7	Brown, medium to coarse sand and gravel, little fine sand and silt
M2-SD8	Dark brown, organic silt and fine sand
M2-SD9	Brown, medium-coarse sand, little fine sand and silt, trace gravel
M3-SD1	Dark brown organic silt, some root, some coarse sand
M3-SD10	Dark brown medium-coarse sand, little silte and fine sand, trace gravel
M3-SD11	Dark gray, fine to medium sand, little fine sand and silt
M3-SD12	Dark gray, medium to coarse sand, little fine sand and silt, trace gravel
M3-SD13	Reddish brown-gray fine sand and silt, little clay with some glauconite, trace coarse sand and gravel
M3-SD2	Dark brown organic silt, little fine sand, some roots
M3-SD3	Dark brown organic silt, little fine sand, some roots
M3-SD4	Dark brown organic silt, grading to gray medium-fine sand
M3-SD5	Dark gray organic silt, medium-fine sand
M3-SD6	Dark gray organic silt, grading to medium-fine sand
M3-SD7	Dark brown organic silt, little medium-fine sand, some roots and wood
M3-SD8	Dark brown, fine to medium sand and silt
M3-SD9	Dark gray, medium-fine sand and silt, little coarse sand, trace gravel
M4-SD1	Dark gray coarse sand and gravel, little dark gray medium to fine sand and silt
M4-SD2	Dark gray coarse sand and gravel, little dark gray medium to fine sand and silt
M4-SD4	Dark gray coarse sand and gravel, little dark gray medium to fine sand and silt, some glauconitic sand
M4-SD5	Dark gray coarse sand and gravel, little dark gray medium to fine sand and silt, some glauconitic sand
M4-SD6	Medium to coarse sand and gravel, little fine sand and silt
M5-SD1	Dark gray, medium to fine sand, some coarse sand and gravel
M5-SD2	Brown, medium-coarse sand and gravel, little fine sand and silt
M5-SD3	Dark brown, medium-coarse sand, some fine sand and silt
M5-SD4	Brown, medium-coarse sand and gravel, little fine sand and silt
M5-SD6	Brown, medium-fine sand, little silt, little coarse sand and gravel, some organic roots
M8-SD1	Dark gray, glauconitic sand and silt, little clay
M8-SD1	Dark gray, medium to fine sand and silt, glauconitic
M8-SD10	Dark gray organic silt, medium to fine sand, some coarse sand and gravel
M8-SD11	Dark fine to medium sand, some silt
M8-SD12	Brown, medium to coarse sand, some fine sand and silt
M8-SD2	Dark gray, medium to fine sand, some silt and clay
M8-SD3	Dark gray-brown, medium to fine sand and organic silt, some glauconitic clay
M8-SD4	Dark gray, organic silt, medium to fine sand, some glauconite
M8-SD5	Dark gray, medium to fine sand
M8-SD6	Dark gray, medium to fine sand and silt, little coarse sand
M8-SD6	Dark brown, medium-coarse sand, little silt, trace gravel
M8-SD7	Black organic silt
M8-SD7	Dark brown, organic silt, little fine sand, roots
M8-SD8	Dark gray, organic silt and fine sand, some roots
M8-SD9	Dark gray to light gray fine sand (silt/glauconitic sand/clay and gravel)
M2-SD2	Brown, medium to coarse sand, gray medium to fine sand, little gravel
MP-SD1	Dark gray-olive green glauconitic sand and silt
MP-SD2	Dark gray organic silt and fine sand, some clay and gravel
MP-SD3	Brown fine sand and silt, little organic matter

6/14/10 FT Monmouth Bera Sampling

0800 Met at bldg 173 for kickoff and Tailgate safety mtng & JSA
M. Magness, D. Duh, M. Murray, J. Filosa, J. Myers, H. Horning of TVS, Darwin of Chemtech

0915 Mob to 1st sampling location.
M16 SD/1, M16-SW1

0945 Depth 50" - YSI readings collected - tide fairly high.
Refer to Chemtech notes for YSI parameters.
Tidal current flowing out (ebbing) very slowly - likely beginning of ebb.

0950 Surface water samples collected. J. Myers & J. Filosa collected samples.
Weather cond. Overcast, wind calm, Air temp 70°F
D. Duh call to lab to check on bottle count.
PID back ground 1.5 ppm

1004 Collected sediment sample
1 auger sample collected.

6/14/10

Description - Top 2" dk br. silty sand, grades into med yellow. fine to med sand.
VOA sample collected first.
No PID reading in sample.

1014 Completed sample collection at M16 SD/SW1.

1030 - Began sample collection at Location M16-SW/SD 2.
Moved GPS location slightly to improve access.
Depth 47"
In Situ parameters collected by Darwin of Chemtech.
M. Magness leaves work crew.

1032 Collected surface water sample.

1044 - Collected sediment sample
Dk gray silt + very fine sand.
PID 7.0 ppm

1055 Collected GPS coordinates.
Completed sample collection at M16-SW/SD 2.
Visitors on site Chuck Appleby.

6/14/10

Main Post Sampling Continued

1106 Began sample collection at M16 SD3
Depth 48.
Collected in-situ parameters.
See - ChemTech notes.

1110 - Sediment sample collected
Same sed description as M16 SD2
PID 4.1 ppm, DUP-SD01
Duplicate sample collected here. 2 cores composited.

1130 Completed sample collection at Location M16SD ~~2~~ 3 6/14

1135 Sample location M16 SW/SD4 located off of drain pipe

1145 - Collected surface water sample at M16 SW ~~3~~ 4
In situ parameters collected previously.

1155 Collected sediment sample.
PID reading 33.0 ppm

1205 Completed sample collection at M16 SW/SD4
Loaded truck for IRP Site M15

1230 Lunch break.

1330 Began sample collection at Depth 21" M15 SW/SD1
In situ parameters collected.
see ChemTech notes.

1340 Collected surface water sample.

1345 Collected Sediment sample.
PID 3.2 ppm
Dk gray - org. silt - med to fine sand little peat

1352 Completed sampling at M15 SW/SD1
GPS data collected

1357 Began sample collection at M15 SW/SD2
In situ parameters collected
See ChemTech notes.
Depth 27"

1400 Surface water sample collected.

1410 Sediment sample collected
Note - Lab notified as that 3 8oz soil jars are required

PID 1.9 ppm - Descr. same as prev - no peat.

1415 Completed sampling at M15 SW SD2

6/14/10 FT Monmouth BERA Sampling

1425 M15 SD 3 Located.
Insitu parameters collected.
(see Chem Tech notes)
Depth 24"
Sample collected 1430
PID 3.4 ppm
Dk gray silt & med to
fine sand, traces white clay.
1440 Completed sample collection
at M15 SD3.
1450 Began sample collection
at M15 SW/SD4
insitu parameters collected
(see Chem Tech notes)
1455 - Collected surface water
samples.
1502 Collected sediment
sample - 2 cores composite
PID 3.3 ppm
Dk gray silt & med to fine
sand - some clay.
1510 Completed sample collection
at M15 SW/SD4.

MM 6/14/10

(5)

6/15/10

Met at bldg 173 - work area for
day. Joe Filosa, Darwin. M. Murray
Melissa and Rocco. From Ft. Mon.
0800 Conducted JSA & tailgate safety
mtng. Prepared to mob for
field.
0820 Darwin of Chem tech
calibrating YSI meter
Weather - clear 66°F
air temp. - wind W 10-15 mph.
Travelled to sampling stations.
Could not access M14 SDSW2
or P69 SW2 due to fence.
Will continue with M14 SD1.
Little current in creek.
Melissa & Rocco not at station.
Tide low.
0858 Station M14SD1. 6/15/10 MM
Depth 17". parameters
0900. Surface water ~~sample~~ collected
MS/MSD collected here
for sediment.
0910 Sediment sample collected.
Sheen noticeable on water
near pipe.

(6)

6/15/10

0937 Began sample collection at M14SD2
Depth 19.5"
In situ parameters collected.
Sediment only collected.
0940 Sediment sample collected
PID 0.1 ppm.
Dk gray med sand, coarse.
0950 Completed sampling at M14SD2.
1000 - Location M14SD3 GPS collected - station marked with temp stake.
Sediment & SW collected here.
1008 In-situ parameters collected - see ChemTech notes.
Depth 20.5"
Flood tide beginning.
1020 Surface water sample collected.
1025 Sediment sample collected - PID 0.0 ppm
1035 Completed sample

6/15/10

1050 Began sampling at M14SD4 located on N side in depositional area
Depth 32.5 inches
In situ parameters collected.
(See ChemTech notes)
1050 Sediment sample collected.
PID - 0.0 ppm
desc. Dk gray med to coarse sand - little gravel, little silt. Amphipods observed.
1110 Completed sampling at location M14SD4.
1130 Located and GPS station M14SD5 - no depositional area this reach -
In-situ parameters collected.
(See ChemTech notes)
Water level rising but no movement.
Depth 33" at sample location
1136 Sediment sample collected
Dk gray - med to coarse sand. little brown & light gray sand
PID 0.0 ppm.
1155 Completed sampling at M14SD5.

6/15/10

1200 Station M14 SD6 located & GPS coor. taken.
Depth 36"

1210 Sediment sample collected.
PID 0.0 ppm
Dk gray medium to coarse sand and gravel - some fines

1230 Completed sample collection at M14SD6
Break for lunch.

1350 Arrived at location P61SW1.
In situ parameters collected (See Chem Tech notes)
GPS Coord. collected.

1401 Sample collected - (SW) no pesticides in analysis this location.
Small oil sighted. Substantial surface film - no oil sheen.

1410 Completed sample collection at P61SW1.

1430 Began sampling at location M14SD7
Depth 30"

6/15/10

1435 In situ parameters collected (See Chem Tech notes)

1433 - Sediment sample collected by J. Kilosa.
Sample description. gray medium to coarse sand & gravel, some fine sand. Quartz subrounded gravel.
PID 0.0 ppm.

1440 weather - clear temp 77°F breeze west at ≈ 10 mph.
Sample M14SD07 collected about 6 ft. off of drain pipe. No flow at time of sampling. 18" pipe.

1450 Sampling completed at M14SD07.

1501 Surface water collected at M14SW8
In situ parameters collected (See Chem Tech notes)
Surface water MS/MSD collected this location.
Depth 26.5"

M1450/SW 8 cont. 6/15/10

1523 Sediment sample collected. Sample desc. Brown medium sand, little coarse sand & gravel little silt. PID - 0.0 ppm.

1548 Sampling completed at M1450/SW8

1555 ~~Begin sample collection at station M14509.~~ MM 6/15

Sample not collected at M14509. Due to time Rinse blank will be collected as last sample of day.

1602 Rinse blank sample collected. DI Water poured over decontaminated auger into SS bowl. FB 06/15/10 Darwin reports that no trip blanks sent with sample bottles. End of sampling for day. Return to Bldg 173.

MM 6/15/10

6/16/10

0730 Assemble at Building 173 Arrange Vehicle + Fill Decon Buckets.

0745 Conducted Tailgate Safety Meeting. (See JSA + Tailgate Safety Form

0815 Called ChemTech. to Find out Where Sampler Is?

0830 Call from ChemTech. Just Received Message of Switching Personnel. Will Take 1 Hour + To Get Here

0840 Called Mark Maroness To Inform Him

0845 Headed To MP to Flag Locations Flagged M14- 14, 13, 11, + 10 P69-SD1 will need Key To Gate to Murphy Drive/Oceanport Ck.

0940 Call from Chem Tech. They've Arrived. Called Mark. He'll Escort Him to First Station.

10:10 All Set Up At First Station Mark, Divya Mehta from ChemTech

6/6/10

Tim Peck Have Arrived.
Conducted H&S Meeting
Set Up For Sampling
10:45 At M14-SD9. Take Parameters
Depth of Water 6½ inches
10:50 Sampled Sediment M14-SD9, two Cores
Sand + Gravel / Coarse / Brown
PID 0.1 ppm
Took GPS Reading
11:12 Head To M14-SD10
11:15 Measured Parameters
Depth of Water 6½"
11:22 Sampled Sediment M14-SD10, 2 cores
Dark Brown Org Silt + Fine Sand
Trace Olive-Green Silt + Clay
PID 0.1 PPM
Took GPS Reading
1145 Head To M14-SD11
Measured Parameters
Depth of water 11"
1150 Sampled Sediment M14-SD11, 3 cores
Brown Org Silt, Trace Fine Sand
Roots, Peat
PID 0.0 ppm, Took GPS Reading

15

1200 HEAD TO M14-SD13/M14-SW13
COLLECT PARAMETERS
1210 COLLECT M14-SW13
AND DUP-SW01
DEPTH OF WATER 16"
1248 COLLECT SEDIMENT
LIGHT BROWN MED-FINE SAND
SILT, TRACE GRAVEL
PID 0.0 PPM
TOOK GPS READINGS
1330 HEAD TO M14-SD14/M14-SW14
1345 COLLECT PARAMETERS
NEW LOCATION ~70 feet upstream
of OLD LOCATION, DUE TO EXCESSIVE
POISON IVY
1403 COLLECT WATER M14-SW14
1412 COLLECT SEDIMENT M14-SD14
GRAY, MED-COARSE SAND, LITTLE
SILT + FINE SAND, TRACE GRAVEL
SOME ORG. DETRITUS
PID 0.0 PPM, TAKE GPS READING
1430 CALL HAROLD HORNUNG FOR
KEY TO M18 LANDFILL
WALTER MET US @ GAS STATION

16

AND TOOK ~~US TO~~ JOE TO SIGN OUT KEY

1502 ARRIVE AT M18 LANDFILL + SET UP FOR SAMPLING

1520 HEAD TO M18-SD1
300 ft through thorny brush & 90 ft through Phragmites + Sedges to waters edge.

1545 ARRIVE AT M18-SD1
COLLECT PARAMETERS
COLLECT SEDIMENT M18-SD1
ORGANIC MUCK
PID 0.0 PPM
Gather GPS INFO.

1630 ARRIVE AT M18-~~SD2~~ SD3
TAKE PARAMETERS
DEPTH 14"

1636 COLLECT SEDIMENT
ORGANIC MUCK, GLAUCONIC CLAY
SOME GRAVEL + MED-COARSE CLAY
PID 0.0 PPM
GPS INFO

1655 HEAD TO M18-SD4
TAKE PARAMETERS
DEPTH WATER ~3 feet
RIP RAP PREVENTS NEAR
SHORE SAMPLING
1700 COLLECT SAMPLE
GLAUCONIC ~~Clay~~ SAND
+ Yellow sand-fine,
PID 0.0PPM
Collect GPS
1730 COLLECTED FIELD BLANK
1800 HEADED BACK TO BLDG 173
1815 173 LOCKED, SO COULDN'T UNLOAD
+ RECHARGE
1830 FINISHED

DDL 6/16/10

7 mm
6/16/10 Ft Monmouth BERA Sampling
0730 D. DuL + M. Murray arrive
at Bldg 173, organize equipment.
0745 Calibrate PID 99ppm.
0800 Conduct JSA/ tailgate
safety meeting.
0830 Arrived at Landfill M18.
Prepared for sampling.
0903 Sed sample collected
DK brown med sand + gravel
Change of plans - water
not collected due to water
access at M18 SD2
0930 Collected Surface water
sample at M18 SW3.
Sediment sample collected
here previous day.
0950 Collected surface water
sample at M18 SW5
Depth 12.5 inches
1000 Sediment sample collected
see Chem Tech notes
for in-situ parameters. mm 6/17/10
DK gray med to ~~coarse~~ fine
glauconic sand - little gravel.
PID. 0.0ppm

6/12/10

1010 continue to sample surface water and sediment at M18SD/SW5

1027 Arrive At M8-SD1 + Take Parameters

1035 Collect Sediment At M8-SD1
Depth 2½ feet
Dark Gray Glauconitic Sand + Silt, Little Clay

1046 Collected M8SD2 sediment sample.
Dk gray med to fine sand - some silt + clay
In-situ parameters prev collected. (See Chemtech notes.) GPS coord. collected.
PID 0.0ppm.
Depth 1.5 ft.

1100 Move to location M8SD9
Sediment only station.
Weather cond. Clear - Air temp 78°F - wind W20 mph - Parked vehicle at West end of road due to Construction.

(21)

6/12/10

1135 Sample collected at M8SD9
Depth 13.5 inches
DUP-SD02 collected at M8SD9.
water quality parameters collected - (see Chem Tech notes).
PID - 0.0
Sample description. Dk gray to light gray fine sand/silt, glauconitic sand/clay + gravel.

1150 Completed sample collection at M8SD9.

1158 Sediment sample collected at M8SD10
In-situ parameters collected (See Chem Tech notes)
Depth 25.5"
Description Dk gray organic silt - med to fine sand, some coarse sand + gravel.
PID 0.0ppm.

1200 Completed sampling at location M8SD10

(22)

6/17/10

1218 - Sediment sample Collected at M5 SD1
In situ parameters collected (see Chem Tech notes.
Sed. description - Dk gray Med. to fine sand, some coarse sand & gravel.

1240 Location M8 SW/SD12
In situ parameters collected. (see Chem Tech notes)

1245 Surface water sample collated.

1250 Sediment sample collated at location M8 SW/SD12
Depth 24".
Sample description: Brown med to coarse sand - some fine sand and silt. Trace gravel. PID 0.0 ppm.

1300 Completed sampling at M8 SW/SD12.
Break for lunch.

1340 Began sample collation at M8 SD8
Depth 24"

6/17/10

1345 M8 SD8 sediment sample coll.
Sample description - Dk gray organic silt & fine sand some roots.
PID 0.0 ppm

1350 Completed sampling at location M8 SD8. In situ param collated (see Chem Tech notes)
MS/MSD sample collated this location.

1415 ARRIVE AT ~~SD8~~ M8-SD7/M8-SW7
COLLECTED PARAMETERS

1425 COLLECTED M8-SW7

1440 COLLECTED M8-SD7
DEPTH OF WATER 4 feet
SEDIMENT BLACK ORGANIC SILT
PID 0.0 ppm

1525 Began sampling at M8 SD6
In situ samples collected. (See Chem Tech notes)

1528 Sediment sample collated at location M8 SD6.
Description Dk gray med to fine sand & silt, little coarse sand
PID 0.0 ppm.

6/17/10

1600 Sediment sample collected at M8SD5

Descr. Dk gray med-fine sand

PID 0.0

Descr. cont. Organic silt fine sand, root material.

1612 Completed sampling at M8SD5.

See ChemTech notes for in-situ parameters.

1615 Began sample Collection at Location: M8SW/SD3

In situ parameters collected. (see ChemTech notes)

Tide ebbing (also ebb tide during sample collection at M8SD5 and M8SD6.)

1618 Surface water sample collected at M8SW3

1624 Sediment sample collected.

Dark gray/brown medium to fine sand and organic silt. some glauconitic clay.

PID 0.0 ppm.

1630 Sampling completed at M8SW/SD3.

6/17/10

1640 Began sample collection at M8SD4.

In situ parameters collected (See ChemTech notes)

1644 Sediment sample collected.

Multiple cores attempted - many rocks below mud surface.

Description - Dark gray organic silt med to fine sand, some glauconite.

PID 0.0 ppm.

1655 Complete sample collection at M8SD4.

FB06172010 collected at 1645

1730 Chain of custody completed.

6/18/10

0730 ASSEMBLE AT BLDG 173
D. DUH, J. FILOSA, D. DeLeon
J Myers.
CALIBRATE METERS (CHEMTECH)
0800 CONDUCT TAILGATE SAFETY MEETING
(SEE JSA + TAILGATE FORM)
HEAD TO M-3/M-5 LANDFILLS
JOE + JOE GET KEY TO
GATE #6
0830 HEAD TO MS-SD4/MS-SW4
TAKE PARAMETERS
0845 COLLECT MS-SW4
0904 COLLECT MS-SD4
Depth of WATER 4"
BROWN MED Coarse Sand + GRAVEL
LITTLE FINE SAND + SILT
TOOK GPS READINGS
PID 0.0 PPM
0919 ARRIVE AT MS-SD2
TAKE PARAMETERS
0923 COLLECT MS-SD2
DEPTH OF WATER

BROWN MED-COARSE SAND + GRAVEL
LITTLE FINE SAND + SILT
MS-SAMPLES COLLECTED NEAR
RIP RAP IN UNDISTURBED SEDIMENT
DEPOSITIONAL AREAS NEAREST
SHORE
PID 0.0 PPM
TAKE GPS READINGS
0933 ARRIVE AT MS-SD3
TAKE PARAMETERS
0937 COLLECT SEDIMENT MS-SD3
PID 0.0 PPM
DARK BROWN MED-COARSE SAND
AND ~~LITTLE~~ SOME FINE SAND + SILT
TAKE GPS READINGS
0953 ARRIVE AT MS-SD5
TAKE PARAMETERS
0957 COLLECT SEDIMENT MS-SD5
DEPTH OF WATER 9½"
COLLECTED FROM DEPOSITIONAL
AREA NEAR SAND BAR
PID 0.0 PPM

1013 ARRIVE AT M5-SD6
TAKE PARAMETERS
DEPOSITIONAL AREA JUST
UP FROM LINE OF ROCKS
ACROSS CREEK
1017 COLLECT SEDIMENT M5-SD6
DEPTH 6"
BROWN MED-FINE SAND
LITTLE SILT, LITTLE COARSE
SAND+GRAVEL, SOME
ORGANIC ROOTS
TOOK GPS
1035 AT M3-SD1
TAKE PARAMETERS
1036 NO WATER CURRENTLY
IN DEPOSITIONAL ZONE
NEAR ~~LOW~~ LOW-TIDE BUT
STILL OUTGOING
1038 COLLECT SEDIMENT
DARK BROWN ORGANIC SILT
SOME ROOT, SOME COARSE SAND
COLLECT GPS

1042 ARRIVE AT M3-S2
TAKE PARAMETERS
1050 COLLECT SEDIMENT
NO WATER PRESENT IN
DEPOSITIONAL AREA
ADJACENT TO LANDFILL
DARK BROWN ORGANIC SILT
LITTLE FINE SAND, SOME ROOTS
PID 0.0 ppm
TAKE GPS
MARK MAGNESS CALLED RE:
SAMPLING SEDIMENTS AT LOW TIDE
1120 HEAD TO M3-SD3/M3-SW3
TOO LOW OF WATER FOR COLLECTING
WILL COLLECT LATER. TAKE PARAMETERS
1128 COLLECT SEDIMENT.
NO WATER PRESENT IN DEPOSITIONAL
AREA NEAR LANDFILL
DARK BROWN ORGANIC SILT
LITTLE FINE SAND, SOME ROOT
TAKE GPS INFORMATION
1145 ARRIVE AT M3-SD4
TAKE PARAMETERS
1150 COLLECT SEDIMENT

DARK BROWN ORGANIC SILT
GRADING TO GRAY MED-FINE SAND
NO WATER AT PRESENT
TOOK GPS
1205 Water Direction APPEARS TO
HAVE CHANGED FROM OUTGOING
TO INCOMING.

TOOK PICTURES OF SEDIMENT
LOCATIONS
1 @ M3-SD1
2 @ M3-SD2
2 @ M3-SD3
2 @ M3-SD4
1 @ M3-SD5
1 @ M3-SD6
1 @ M3-SD7
1 @ M3-SD8
1 @ M3-SD9
1 @ M3-SD10
1 @ M3-SD11

Repositioned Vehicles +
Decon Area

1320 HEAD TO M3-SD5
TAKE PARAMETERS
WATER DEPTH 9"
1333 COLLECT SEDIMENT M3-SD5
DARK GRAY ORGANIC SILT
MED-FINE SAND
TOOK GPS COORDINATES
1345 HEAD TO M3-SD6
TAKE PARAMETERS
1350 COLLECT SEDIMENT.
APPEARANCE OF POTENTIAL SEEP
RUST-COLORED FLOW from BELOW
RIP RAP. DEPTH OF WATER 9"
DARK GRAY ORGANIC SILT
GRADING TO MED-FINE SAND
1400 HEAD TO M3-SD7
1408 COLLECT SEDIMENT
DARK-BROWN ORGANIC SILT
LITTLE MED-FINE SAND
SOME ROOTS WOOD.
APPEARAPLE OF POTENTIAL
SEEP.
YSI NOT WOR

1420 CALLED MARK MAGNESS.
ADVICED US TO DO THE SOIL
SAMPLES AT CWA.
1520 ARRIVE AT CW6 AREA
1523 AT CW6-SS1 COLLECT
SOIL CW6-SS1 WITH MS/MSD
6 bottles + 9 ENCORES.
Reddish BROWN ORGANIC + FINE SAND
ROOTS COLLECT GPS
AREA IS LOW SPOT IN AREA
1538 ARRIVE AT CW6-SS2
1540 COLLECT SOIL IN LOW AREA
BROWN ORGANIC + FINE SAND
SOME ROOT + GRAVEL
COLLECT GPS
1550 ARRIVE AT CW6-SS3
REDDISH BROWN ORGANIC +
FINESAND, LITTLE ROOTS
COLLECTED AT LOW POINT
IN AREA.
1559 COLLECT CW6-SS4
BROWN ORGANIC SILT, LOTS of Roots
COLLECTED IN LOW SPOT IN AREA

1614 AT WETLAND AREA
NEAR WAMPUM BROOK
COLLECT CW6-SD2
DARK BROWN ORGANIC SILT
ROOTS
1632 AT WETLAND AREA CW6-SD1
COLLECT CW6-SD1
DARK BROWN ORGANIC SILT
ROOTS
1642 AT WETLANDS AREA CW6-SD3
COLLECT SAMPLE
DARK BROWN ORGANIC SILT
ROOTS
1647 AT WETLANDS AREA CW6-SD4
COLLECT SAMPLE
DRK BROWN ORGANIC SILT,
LITTLE ROOTS, LEAF MATTER
THIS IS ON A RUNOFF COURSE
TO WAMPUM BROOK
1725 COLLECT FIELD BLANK
1750 RETURN TO BLDG 173

6/21/10

0730 Assemble at Bldg 173
0745 Conduct Tailgate Safety Meeting (See JSA)
0800 Head Across to MP Stations
Key Available for M-3 but not M-2
0820 Arrive at M3-SW3
Outgoing Tide, Depth 10"
Sufficient Water for Sampling
0838 At M3-SW3, Depth 10"
Measure Parameters
Collect Sample
0850 At M3-SW6 Depth 10"
Measure Parameters
Collect Sample
Tide Still Outgoing.
0915 At M4-SW4
Tide Outgoing, Depth 1½'
0930 Head To M8-SD11/M8-SW11 Off-Post at Blades Run

0945 Arrive At M8-SW11
1000 Shrewsbury Visitors Arrived
Tom Menapace - Shrewsbury
Frank Clark - Foreman Public Works
Jill Gwydir - Chair of Env. Commission
Collect Parameters
1005 Collect M8-SW11
Water Depth 9"
Water Clear
1015 Collect Sediment M8-SD11
PID 0.1ppm
Dark Fine-Med Sand, Some Silt
1030 Headed Back To Main Post
1100 Arrive At Landfill M2,
Water Too Low for Sampling
At P43 but M2-SW6
and M2-SW11 are Fine.
1113 At M2-SW6
Depth of Water ~9"
Collect Parameters
1115 Collect Surface Water Only
1130 At M2-SW11 ~1' in Depth
Collect Parameters + Surface Water Sample.

TOOK PICTURES of M-5 + M-8
LOCATIONS

2 Pictures ~~M5-SD1~~ M8-SD12
~5 feet from RIP RAP, Depos. Muds
2 Pictures ~~M8-SD~~ ~~M~~5-SD1
~5 feet from RIP RAP, Depositing
Bar of Muds at confluence
2 Pictures M8-SD10
>6 feet from RIP RAP IN ORGANIC
MUCK
2 PICTURES M8-SD9
2 FT PAST LAST RIP RAP
BUT 6 FT FROM RIP RAP WALL
THESE FURTHEST RIP RAP
APPEAR TO HAVE FALLEN
DURING OR AFTER PLACEMENT
UPSTREAM OF STORM DRAINAGE
2 PICS OF M8-SD8
>15 FT PAST RIP RAP. JUST OFF
MOSSY LEDGE. ORGANIC MUCK
2 PICS OF M7-SD7
IN MUD JUST OFF OF RIP-RAP

RAN

2 PICS OF M8-SD5
6" from LAST RIP RAP WHICH
APPEARS FALLEN FROM MAINWALL
4' from MAIN WALL
2 PICS OF M8-SD4
5' FEET FROM RIP RAP WALL
THOUGH SMALL LINE OF RIPRAP
STONES NEAR SAMPLE
2 PICS OF M8-SD3
3' FT FROM RIP RAP 1' PAST
GULLY THAT APPEARS TO
BE DISTURBANCE AREA
2 PICS OF M8-SD2
2 FT FROM LAST RIP RAP
>6' FROM WALL MUDS.
2 PICS OF M8-SD1 AREA
NO STICK PRESENT
STEEP WALL DROP OFF
1 PIC OF M18-SD5
NO RIP RAP
UNDISTURBED MUST
JUST UPSTREAM OF OUTFALL
1½ PICS OF M18-SD4
STEEP RIPRAP
COLLECTED JUST OFF EDGE

2 PICS M18-SD3
2-3 ft OFF OF RIP RAP
AT END OF RIP RAP
2 PICS OF M18-SD8 AREA
STAKE NOT FOUND

1330 MET WITH JOE FALLON
REGARDING SEDIMENTS
1400 RETURN TO M8 AREA
+SET UP FOR SEDIMENT
COLLECTIONS
1425 AT M3~~M8~~ SD11
COLLECT PARAMETERS
COLLECT SAMPLE M3-SD11
DARK-~~BROWN~~-GRAY FINE-MED
SAND, LITTLE FINE SAND+SILT
POTENTIAL SEEPAGE AREA
~6' FROM RIP RAP.
2 PICTURES TAKEN
1440 AT M3-SD8
COLLECT PARAMETERS M3-SD8
COLLECT SAMPLE ~~M8~~-SD8
DARK BROWN, FINE-MED SAND+SILT
POTENTIAL SEEPAGE AREA
2 PICS TAKEN. TIDE STILL
GOING OUT

1457 ARRIVE AT M3-SD9
COLLECT PARAMETERS. SAMPLE
TAKEN IN MUD BANK OFF
OF LEDGE
2 PICTURES TAKEN #146, #147
1459 COLLECT SEDIMENT M3-SD9
DARK GRAY, MED-FINE SAND+SILT,
LITTLE COARSE SAND, TRACE GRAVEL
1515 AT M3-SD10
COLLECT PARAMETERS
1518 COLLECT SEDIMENT IN DEPRESSION
AREA BEYOND MOSS BANK
ALSO COLLECT DUP-SD04
2 PIX TAKEN #148 + #149
DARK ~~GREY~~ BROWN MED-COARSE
SAND, LITTLE SILT + FINE SAND,
TRACE GRAVEL.
1530 HEAD UPSTREAM TO M3-SD12
1540 ARRIVE AT M3-SD12
COLLECT PARAMETERS
COLLECT SEDIMENT
DARK GRAY, MED-COARSE SAND
LITTLE FINE SAND + SILT
TRACE GRAVEL. 2 PIX.
#150 + #151

1600 HEAD TO M4 AREA
WATER IS TOO DEEP TO
IDENTIFY GOOD LOCATIONS
1630 COLLECT FB0621201O
FOR SEDIMENT FIELD BLANK
1700 HEAD BACK TO BLDG 173

NO

6/22/10

~~M14~~

11:15 ARRIVE ON SITE + SCOUT
OUT ACCESS TO OTHER LOCATIONS
ON PARKERS CREEK +
OCEANPORT AVENUE.
ACCESS TO M20 SITES W
THROUGH LOCK #2 UPSTREAM
OF GS BUILDING #259
ACCESS TO P69-SW2 AND
M14-SW/SD2 ARE THROUGH
DOUBLE FENCES WITH NO GATES
ON INNER FENCE.
WILL HAVE TO FIND OTHER ACCESS
12:45 PHOTODOCUMENTING M-14
~~M8-SP~~ M14-SD8, Depositional Mud
Center Channel. No Rip Rap
on M14 side, present on M12
SIDE, 5 feet from RIP-RAP
TWO pictures
AT M14-SD7, JUST BELOW
CONFLUENCE, DEPOSITIONAL ZONE
~4 feet FROM RIP RAP
TWO PICS

TWO PIX at M14-SD6
DEPOSITIONAL ZONE
6 FEET FROM RIP RAP on M14
10 FEET FROM RIP RAP on M12
2 PIX at M14-SD5
APPROX MID CHANNEL
DEPOSITIONAL AREA
2 PIX, NEAR OLD
CORRUGATED PIPE IN ~~SMALLER~~
MUDDY AREA
← THIS IS M14-SD4
1 PICTURE OF PIPE
5-6' DOWNSTREAM OF PIPE
AT M14-SD3, NEAR
MID-CHANNEL
6' FROM EACH WALL
TWO PICTURES.
AT M14-SD2, MID CHANNEL
UNIFORM BOTTOM
6-7' from BANKS.
TWO PICTURES
AT M14-SD1, CENTER
CHANNEL, ~8 feet from Walls
TWO PICTURES.

Field Activity Daily Log

Shaw® Shaw Environmental & Infrastructure, Inc.

DATE	6	22	10
NO.			
SHEET	1	OF	4

Project Name: FT Monmouth BERA Sampling Project No. 135065

Field Activity Subject:

Description of Daily Activities and Events: Surface water and Sediment Sampling

0800 M. Murray conducts Tailgate safety mtng / JSA.
0805 Travel to location M3SW12. J. Filosa to get gate keys
0825 Wait at gate for J. Filosa. Open gate drive to M3SW12.
0743 Surface water sample collected at M3SW12. Tide flowing out. Water appears somewhat turbid. No sheen or oil visible - no seeps apparent.
0900 Completed sampling at M3SW12. Travel to P43SW3.
0909 Arrived at location P43SW3. Tide ebbing. Water appears less turbid this location. Numerous large carp observed in stream. No seeps or erosion areas.
0918 Insitu parameters collected. (See Chem Tech notes)
~~0923~~ Surface water sample collected at same time as in-situ parameters at P43SW3
0935 Arrived at location P43SW2 - Collect in situ parameters (See Chem Tech notes) Water fairly clear - carp observed at the location.
0936 Surface water sample collected.
0944 Completed sampling at P43SW2. Travel to M18SW3.
0959 Arrived at location M18SW3. MS/MSD will be collected here. Tide flowing out - no mud banks visible. In situ parameters collected (see Chem Tech notes) This is a re-collect.

VISITORS ON SITE: —	CHANGES FROM PLANS AND SPECIFICATIONS AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS: —
WEATHER CONDITIONS: mostly clear warm - 73°F light W. wind	IMPORTANT TELEPHONE CALLS: —
SHAW E & I PERSONNEL ON SITE: M. Murray, J. Myers, J. Filosa	
SIGNATURE: [signature]	DATE: 6/22/10

0.25 in x 0.25 in

Form Number: 139_1
Rev. 07-21-06

Field Activity Daily Log

Shaw® Shaw Environmental & Infrastructure, Inc.

DATE	6	22	10
NO.			
SHEET	2	OF	4

Project Name: FT Monmouth BERA Sampling Project No. 135065

Field Activity Subject:

Description of Daily Activities and Events: Surface water and sediment sampling.

1008 Surface water sample collected at M18 SW3.
1030 Completed collection of sample at M18/SW3 plus MS/MSD.
Travel to location M14 SW3.
1055 Arrived at location M14 SW3. Tide still coming in. In situ parameters collected. (See ChemTech notes).
1057 Water sample collected. Water only slightly turbid - rocks visible on bottom
~~1057~~ mm 6/22
1103 Completed sample collection at M14SW3.
1120 Arrived at location M14 SW13 for resample. Duplicate will be collected.
1132 Surface water sample and duplicate sample collected at M14 SW13. Dup-SW02. Water fairly clear, running out of culvert pipe approx 40 ft. upstream of sample location.
1150 Completed sampling at M14SW13.
1202 Arrived at location M14 SW14 - Surface water sample from lake. Relocated to near outfall
1209 Surface water sample collected - sampler standing on rip-rap - dipping bottles with pole sampler.
1230 Completed sampling at location M14 SW14. See ChemTech notes for in-situ parameters.
1245 Lunch break
1300 Document sediment sampling locations with Dan Duh. (Photodocumentation)
1339 Arrive at location M4 SD2 - Sediment only location.
mm 6/22

VISITORS ON SITE:	CHANGES FROM PLANS AND SPECIFICATIONS AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS:
none	none
WEATHER CONDITIONS: clear 82°F wind NW 5-10 mph.	IMPORTANT TELEPHONE CALLS: none
SHAW E & I PERSONNEL ON SITE: M. Murray, F. Falosa, J. Myers.	
SIGNATURE:	DATE: 6/22/10

0.25 in x 0.25 in

Form Number: 139_1
Rev. 07-21-06

Field Activity Daily Log

Shaw® Shaw Environmental & Infrastructure, Inc.

DATE	6	22	N
NO.			
SHEET	3	OF	4

Project Name: FT Monmouth BERA Sampling Project No. 135065

Field Activity Subject:

Description of Daily Activities and Events: Sediment Sampling.

1343 Began sample collection at location M4SD1. In situ parameters collected. -(Darwin of ChemTech) See ChemTech notes for data. Photo of parameter collection at M4SD1. Large fish observed under bridge.

1355 Sediment sample collected. MS/MSD at this location. Two photographs of sample collection in mid-stream. No deposit zone area this location. Sample Description: Dk gray coarse sand & gravel. Little dk gray med to fine sand & silt.

1410 Completed collection of sample and MS/MSD at location M4SD1.

1412 Began sample collection at M4SD2. In situ parameters collected. (See ChemTech notes)

1414 Sediment sample collected. GPS coordinates collected. Two photos taken of sample location. Description: same as location M4SD1.

1421 Completed sample collection at M4SD2

1428 Began sample collection at M4SD3. In situ parameters collected (See ChemTech notes)

1430 Sediment sample collected at location M4SD3. Two photos taken of sample location. GPS coordinates collected.

1440 Completed sampling at M4SD3.

1444 Began sampling at location M4SD4. In situ parameters collected (See ChemTech notes)

1446 Sediment sample collected at M4SD4.

VISITORS ON SITE:	CHANGES FROM PLANS AND SPECIFICATIONS AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS:
—	—
WEATHER CONDITIONS: Hot - humid - breeze light.	IMPORTANT TELEPHONE CALLS: —
SHAW E & I PERSONNEL ON SITE: M. Murray, D. Dick, J. Myers, J. Filosa.	
SIGNATURE:	DATE: 8/22/10

0.25 in x 0.25 in

Form Number: 139_1

Rev. 07-21-06

Field Activity Daily Log

Shaw® Shaw Environmental & Infrastructure, Inc.

DATE	6	22	10
NO.			
SHEET	4	OF	4

Project Name: FT Monmouth BERA Sampling Project No. 135065

Field Activity Subject:

Description of Daily Activities and Events: Sediment Sampling

1441 Two photographs taken of sampling location M4SD4. Completed sampling at M4SD4 - Sample description similar to previous - with some glauconitic sand.

1503 Began sample collection at M4SD5. Insitu parameters collected. (See Chem Tech notes)

1507 Sediment sample collected at M4SD5. Two photographs taken of sample location. Description, Similar sand, & gravel to previous samples this reach - some glauconitic sand. Completed sample collection at M4SD5.

1515 Began sample collection at location M4SD6. Insitu parameters collected (See Chem Tech notes)

1530 Sediment sample M4SD6 collected. Medium to coarse sand and gravel - little fine sand and silt. GPS coordinates collected. Two photographs of sample collection location.

1540 Completed sample collection at location M4SD6.

1555 Collected field blank from decontaminated auger and SS bowl. FB 6222010.

1610 Completed sample collection for day. Completed Chains of Custody.

1625 Checked gate at M2 site key 23 required for gate. Returned to Bldg 173.

1645 Arrived at Bldg 173 - put equipment on chargers.

MM

VISITORS ON SITE:	CHANGES FROM PLANS AND SPECIFICATIONS AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS:
—	—
WEATHER CONDITIONS: overcast - air temp 72°F wind E 5-10 mph	IMPORTANT TELEPHONE CALLS: —
SHAW E & I PERSONNEL ON SITE: M. Murray, J. Filosa, J. Myers	
SIGNATURE:	DATE: 6/22/10

0.25 in x 0.25 in

Form Number: 139_1

Rev. 07-21-06

6/23/10

0710 MET WITH HAROLD HORNUNG
HE KNOWS NO ACCESS TO P69-SW2
OR M14-SD12/M14-SW12. OR
OF LAUNCHING FROM FIREHOUSE
SUGGESTS BOAT LAUNCHED AT
THE MARINA.

0730 TEAM ASSEMBLES.

0745 CONDUCT HEALTH + SAFETY MEETING
(SEE JSA)
CALIBRATED METERS.

0805 HEADED TO M-18 LANDFILL

0811 ARRIVE AT M-18 LANDFILL
AND HEAD TO P49-SW3.
ACCESS IS THROUGH MUD +
PHRAGMITES.

0840 COLLECT PARAMETERS AT P49-SW3
COLLECT SW SAMPLE
OUTGOING TIDE NEAR HIGH
HEAD TO P49-SW5
LOCATION IS JUST DOWNSTREAM
OF OUTFALL

0853 COLLECT PARAMETERS AT P49-SW2
COLLECT SW SAMPLE
WATER CLEAR

0920 HEAD TO M-20 LOCATIONS
0945 AT M-20-SW1
COLLECT PARAMETERS
COLLECT SAMPLE
STILL OUTGOING NEAR HIGH
TIDE, WATER CLEAR
0950 COLLECT SEDIMENT M20-SD1
~~0950~~ 0955 DARK GRAY, FINE SAND + SILT
SOME PEAT, TRACE GRAVEL
1005 ARRIVE AT M20-SW2
COLLECT PARAMETERS
1010 COLLECT SURFACE WATER M20-SW2
DEPOSITION COVE SANDY BEACH
1015 COLLECT SEDIMENT
DARK GREY, FINE SAND + SILT
SOME PEAT, TRACE GRAVEL
1020 HEAD OUT OF M20 AREA.
1050 HEAD OVER TO M8
FOR RESAMPLING M8-SW7
AND M8-SW12
1105 COLLECTED PARAMETER +
SAMPLE AT M8-SW7
1120 COLLECTED PARAMETERS +
SAMPLES AT M8-SW12

1135 HEAD TO MARINA
1145 AT MARINA
1155 COLLECT PARAMETERS +
SURFACE WATER AT M16SW1
TIDE STILL OUTGOING ~ MID
DEPTH
1205 COLLECT PARAMETERS +
~~SEDIM~~ SD SURFACE WATER AT M16-SW2
COLLECT PARAMETERS +
1218 SURFACE WATER AT M16-SW4
THIS IS SURFACE FLOE IN
AREA
1220 HEAD TO M-18 LANDFILL TO
RECOLLECT M18-SD4
1243 ARRIVE AT M18 LANDFILL
WATER STILL TOO DEEP TO
SAMPLE
1252 HEAD TO M-8 LANDFILL
1305 COLLECT PARAMETERS AT
M8-SD1. COLLECT SEDIMENT
~5 feet OFF RIP RAP WALL
DARK-GRAY, MED-FINE SAND + SILT
GLAUCONITIC
2 PIX TAKEN

1329 COLLECT PARAMETERS +
SEDIMENT AS ~~SE~~ M8-SD6
DARK-BROWN MED-COARSE SAND
LITTLE SILT TRACE GRAVEL
~10 FEET OFF RIP RAP
WALL ~4 feet FROM
LAST TRACE OF FALLEN RIP RAP
2 PIX TAKEN
1330 PREPARE FIELD BLANK
FB0623201O
1338 COLLECT PARAMETERS AT
M8-SD7
COLLECT SEDIMENT
DARK BROWN ORGANIC SILT
LITTLE FINE SAND, ROOTS
>6 ~ off WALL LARGE ROCKS/LOGS
NEARBY
1410 HEAD TO M18-SD4
TOO DEEP + RIPRAP TOO STEEP
TO GET SAMPLE. MOVED
LOCATION 30' UPSTREAM
STILL WITHIN RIPRAP
1420 COLLECT SEDIMENT
DK OLIVE GREENISH GLAUCONITIC SAND
TRACE GRAVEL 2 PIXS
3-4' OFF RIPRAP

1500 RETURNED KEYS TO PD +
CALLED IN BOTTLE ORDER FOR
TOMORROW

1520 PUT PIN FLAGS AT M2 LANDFILL

1550 WENT TO LOOK FOR OCEANPORT
CREEK ACCESS FOR SAMPLING

6/24/10 Ft Mon. BERA Sampling

0800 Conducted tailgate safety mtng.
Darwin calibrated YSI meter
0815 Collect water for decon.
Travel to CWA.
Weather: warm, 80°F - humid
hazy.
0834 Arrived at location
CWA SD/SW1 offof
Maxwell Place.
0849 Insitu parameters collected
(see chem Tech notes.
0855 Surface water sample
collected.
Numerous small fish and
frogs observed.
0900 Sediment sample collected.
Description - Dk gray to
brown - med to fine sand
and silt - some organic
matter - some gravel.
0915 Completed sample collection
at CWA SD/SW1.
Two photos of location
taken.

6/24/10

0920 Travel to vicinity of
location CW6 SD SW5
No access due to fence around
old housing area.
0925 Travel to CW6 SW/SD6
Insitu parameters collected
(See Chem Tech notes)
0933 Surface water sample
collected. Area heavily
vegetated - Japanese knotweed.
Water strider observed.
Creek flow toward east.
0940 Sediment sample collected.
Med to fine reddish brown
sand and silt. Stream
very straight. No deposition
zone. One photo taken
of GPS coordinates being
collected.
0955 Completed sample collection
at CW6 SD/SW6.
0925 Arrived at location
CW6 SD/SW5.
Collect in-situ parameters
(see chem tech notes)

6/24/10

1029 Collect surface water at CW6 SD/SW5
Sediment sample will be collected from depositional area on bend in creek

1035 Sediment sample collected.
No riprap this stream
Water fairly clear - water striders - no other aquatic organisms observed.
GPS coordinates collected some difficulty due to tree cover. Two photos taken.

1100 Completed sampling at CW6 SD/SW5.
Travel to CW3 area.

1125 Arrived at location P28 SW2 - No access for commercial vehicles at Corrugador gate.
Access difficult - steep heavily vegetated bank

1133 Insitu parameters collected (see Chem Tech notes)

1134 Surface water sample collected directly off of old drain pipe. Algae on water. GPS data collected. Two photos taken.

1150 Sample location P28SW1
Insitu parameters collected
Water quite shallow - 2-3 inches. See Chem Tech notes for insitu parameters.

1154 Surface water sample collected. Care taken not to get sediment in sample due to very shallow water.
GPS data collected and photos (2) taken.

1205 Completed sample collection at P28SW1

1215 Arrive at P15SW3
Collect insitu parameters.
Water very shallow.
GPS data difficult due to tree cover.

1230 Completed sampling at P15 SW3 - Two photos taken.

6/24/10

1230 Arrive at P15 SW1
Collect in situ parameters
(See Chem Tech notes)

1233 Surface water sample
collected at P15 SW1.
Deep pool at this location
near concrete wall.
GPS difficult - few
satellites - only 19 seconds
of data collected.
Two photos taken.
Sampling completed at
location P15 SW1

1250 Bottle inventory.

1315 Break for lunch

1345 Travel to IRP Site M-2

1400 Arrived at location
M2-SD14.

1410 In situ parameters
collected. (See ChemTech)

1415 Sediment sample
collected.
GPS coordinates +
2 photos taken Two
outfalls at this location

Descr. Brown med to fine sand &
silt. some woody matter.

1420 Completed sampling at
M2 SD 14.

1430 Arrived at location
M2-SD/SW2.
In situ parameters collected.
Station adjacent to sewer
Authority facility.

1433 Surface water sample
collected (M2-SW2)
Good amount of stream flow
depth 1.0 ft. Stream
mostly shaded this location.

1440 Sediment sample collected.
Description: Brown med to
coarse sand, gray med to
fine sand, little gravel.
GPS & Two photos taken.
GPS difficult because of
canopy. 40 sec of data
collected.

1457 Completed sampling at
M2 SD/SW2.

6/24/10

1508 Arrived at location M2 S03
Sediment only
In situ parameters collected
(See Chem Tech notes)

1509 Sediment sample collected
Dk brown med to course sand - little fine sand & silts. Some gravel and organic matter
GPS data collected
Two photos taken

1521 Completed M2 S03 - biogen sampling at M2 S04.

1524 Sediment sample collected at M2 S04.
In situ parameters collected previously (see chem Tech notes)
Description: Dk gray to Lt brown med to fine sand - little coarse sand and gravel.
GPS coordinates collected.
Two photographs taken.

1535 Completed sampling at M2 S04

6/24/10

1536 Arrived at location M2 S05
In situ parameters collected.
Sediment sample collected.
Description: Brown med to coarse sand & gravel, gray fine sand and silt.
GPS coordinates collected.
Two photos taken.

1545 Completed sampling at M2 S05
Moved to location M2 S05WG
Only sediment collected here today

1553 Sediment sample collected at location M2 S06.
Description: Dk gray to reddish brown med to coarse sand & gravel - some fine sand and silt.

1557 Distant thunder heard.
GPS coordinates collected
Two photos taken.
Close thunder - rain begins.

1605 Field blank FB-624201 collected.

Note: water needs to be collected at location M2 SWG.

6/24/10

1627 Completed Chains of custody Forms.

1855 Returned to Bldg 173
Put instruments on charger.
Completed work for day.
Will recon launch point for canoe at Fire house.

MW 6/24/10

6/25/10

0730 ASSEMBLE AT BLDG 173
J MYERS D DUA J FILOSA
D DeLEON
CALIBRATE METERS
CONDUCT TAILGATE SAFETY MEETING
(SEE JSA)

0825 HEAD TO M2 LANDFILL

0845 AT M2-SD7
COLLECT PARAMETERS
COLLECT SEDIMENT / MS / MSD
SAMPLE ~8 ft FROM WALL
TOWARDS MID STREAM
DEPTH ~2"
BROWN MED-COARSE SAND + GRAVEL
LITTLE FINE SAND + SILT
2 PIX #64 & #65

0905 AT M2-SD8
COLLECT PARAMETERS
COLLECT SEDIMENT + DUP_SD05
~6 feet from RIP RAP WALL
~2" DEEP
2 PIX #66 + #67
DARK BROWN ORGANIC SILT
+ FINE SAND

0925 AT M2-SD9
COLLECT PARAMETERS
COLLECT SEDIMENT PID 0.2ppm
~3 FEET FROM RIP RAP
AREA IS MORE CHANNELIZED
BROWN MED-COARSE SAND
LITTLE FINE SAND + SILT
~~SOME~~ TRACE GRAVEL
2 PIX #68 + #69
0940 AT M2-SD10
COLLECT SEDIMENT PID 0.1ppm
DEPTH ~18"
COLLECTED ~3' FROM RIPRAP
LOCATED ABOUT 20' EAST
OF STORMWATER OUTFALL FROM
OPPOSITE SIDE
DARK BROWN MED-COARSE SAND
Grades to Dark Brown SILT-FINE
SAND W/ LITTLE CLAY.
3 PIX #70, #71, + #72
0955 AT M2-SD11
COLLECT SEDIMENT PID 0.1 ppm
DEPTH 2-3". COLLECTED
NEARER TO MIDDLE WHERE

DEPOSITION IS OCCURRING
LOCATED ~30' EAST OF
STORMWATER OUTFALL ON OPPOSITE
SIDE
DARK BROWN MED-FINE SAND + SILT
SOME ROOTS
3 PIX #73 - #75
1010 AT M2-SD12
COLLECT PARAMETERS
COLLECT SEDIMENT FROM
DEPOSITIONAL AREA WEST
OF ~~SAND~~-GRAVEL BAR
DARK GRAY SILT + CLAY, LITTLE GRAVEL
+ MED-COARSE SAND AT SURFACE
2 PIX #76 + #77
1030 AT M2-SD13
COLLECT PARAMETERS
COLLECT SEDIMENT.
LOCATED 40' downstream OF
CULVERT. NEARER CULVERT
IS TOO DEEP + COATED WITH
RIP RAP
3 PIX TAKEN AT M2-SD14
SHOWING OUTFALLS

PIX OF CULVERT NEAR
M2-SD13 #81
2 PIX OF M2-SD13 #82 + #83
LOCATION ABOUT 3' FROM
RIP RAP
BROWN MED-FINE SAND + SILT
ROOTS + BRANCHES
1050 LEAVE M2 AREA
1105 ARRIVE AT CALVARY CHAPEL
PARKING LOT
1115 COLLECT PARAMETERS AT
M3-SD13/MW-SD13
COLLECT SURFACE WATER
M3-SW13
LOCATION ABOUT 50'
DOWNSTREAM OF ROAD
1125 COLLECT SEDIMENT M3-SD13
FROM POOLED DEPOSITIONAL AREA
MOST OF STREAM IS SCOURED
+ RUNNING WATER.
REDDISH BROWN - GRAY
FINE SAND + SILT, LITTLE SOME GLAUCONITIC CLAY
TRACE COARSE SAND + GRAVEL
2 PIX TAKEN

1155 COLLECT PARAMETERS AT
MP-SW1. COLLECT SURFACE WATER
~50' upstream of ROAD
SLOW MOVING 12" DEEP
1205 SEDIMENT COLLECTED MP-SD1
~2' FROM BANK
DARK GRAY-OLIVE GREEN
GLAUCONITIC SAND + SILT
1230 BREAK FOR LUNCH
SET UP FOR NEXT SAMPLES
1300 HEAD TO PARK ON RT 35
HEAD TO M2-SD1/M2-SW1
OFF AR COMMUNICATIONS
PROPERTY
1335 COLLECT PARAMETERS
COLLECT SURFACE WATER M2-SW1
STREAM HAS STRONG FLOW
DEPOSITIONAL AREAS TOWARDS
BANK
1340 COLLECT SEDIMENT
~3 ft FROM BANK ON
North Side
DARK-GRAY MED-COARSE SAND + GRAVEL
LITTLE FINE SAND + SILT

2 PIX TAKEN OF MP-SD1
AREA. NOTE WALLED ON
SOUTH SIDE.
1402 AT MP-SD2/MP-SW2
COLLECT PARAMETERS
COLLECT SURFACE WATER
50' DOWN FROM OVERFLOW
FROM LAKE. WATER
SLUGGISH. ~3' DEEP
1415 COLLECT SEDIMENT
~5' FROM S BULKHEAD
DARK GRAY, ORGANIC
SILT + FINE SAND,
SOME CLAY + GRAVEL
1435 LEAVE PARK AREA
1445 ARRIVE AT MP-SD3/MP-SW3
ON BROAD ST.
CREEK IS SLOW MOVING
~6" DEEP, DEPOSITIONAL
AREAS
1458 COLLECT PARAMETERS
COLLECT SURFACE WATER @
MP-SW3
1505 COLLECT SEDIMENT

1 PICTURE TAKEN
SAMPLES COLLECTED ~50 ft
UPSTREAM OF ROAD.
BROWN FINE SAND + SILT, LITTLE
ORGANIC MATTER.
1515 HEAD TO CWA
PARK NEAR P27
1545 COLLECT PARAMETERS +
SAMPLE AT P27-SW2
DOWNSTREAM OF OUTFALL
UPSTREAM OF CULVERT
1558 COLLECT PARAMETERS +
SAMPLE AT P27-SW1
AT OUTFALL
PIX TAKEN OF P27-SW1 + P27-SW2
1610 FIELD BLANK COLLECTED
CHAIN-OF-CUSTODY COMPLETED
FLAGGED CW3 STATIONS
1700 FINISHED. RETURN TO
BLDG 173

5/28/10 Ft Monmouth sampling
0800 Tailgate safety mtng & JSA conducted by D. Duh.
Instruments calibrated.
0825 Arrived at location of Landfill CW3.
Prepared to sample CW3 SD1 through CW3 SD3.
0850 Arrived at location CW3 SD1.
Collected sediment sample.
PID 0.6 ppm
Description Reddish brown organic silt.
Two Photos taken
In situ parameters taken (see Chem Tech notes)
0900 Completed sample collection at CW3 SD1
0905 Collected sample at CW3 SD X2 mm 5/28/10
In situ parameters collected by Darwin of Chem Tech - (see Chem Tech notes)

Description: Reddish brown organic silt.
PID 0.0 ppm
Two photos taken.
0915 Completed sampling at CW3 SD2
0918 Arrived at CW3 SD3
Collected Sediment sample. Chem Tech Darwin collects in-situ sample.
Description: Gray coarse sand also medium sand some gravel. little fine sand.
PID - 0.0.
Two photos taken.
0925 Completed sampling at CW3 SD3
0940 Prepare to sample CW3 SW1 SD4.
0950 Collected water sample at CW3 SW4.
In situ parameters collected (see chem tech notes)

6/30/10 FT Monmouth BERA Sampling
Station CW3 SW504 cont.
0952 Sediment sample collected CW3 SD4.
Description: Dk gray to light gray med to coarse sand and gravel.
PID malfunction.
GPS coordinates collated.
Two photos taken.
1000 Completed sampling at CW3 SW504.
1014 Arrived at CW3SD/SW5
Collected in situ parameters (See Chem Tech notes.)
1015 Surface water sample collected - Little water movement.
1020 Sediment sample collected.
GPS data collected.
Two photographs taken.
Description: Brown fine sand and silt.
1028 Completed sample collection at CW3 SD/SW5.

1030 Take photographs of general CW3 area. Five photos taken.
Prepare to sample CW3 SD6.
1040 Arrived at CW3 SD6
In situ parameters collected.
Substrate rocky at GPS location. Moved approx 30 ft downstream to depositional area.
1048 Sediment sample collected at CW3 SD6.
Description: Gray medium sand grading to dk brown silt - some organic matter.
GPS data and in situ parameters collected See Chem Tech notes for in-situ data.
Two photos taken of sample location.
1100 Completed sampling at location CW3 SD6.
Travelled to Public works office.
Checked in with office to notify them of sampling activities

6/28/10

1125 Public Works stream access

1135 Arrived at location CW3 SD SW 7

In situ parameters collected. (See Chem Tech Notes)

Surface water sample collected. Water turbid.

Film on surface

1140 Sediment sample collected.

Description: Gray sand and silt – dk brown silt.

GPS coordinates collected.

Two photographs collected.

1210 Arrived at location CW3-SD/SW8

Insufficient water at this location.

Sediment sample collected.

Location SW7 (CW3SD7) is furthest upstream location with sufficient water for sampling.

Description: 1-2 inches gray med to coarse sand and gravel - grading into dk brown silt - organic matter.

1218 Two photographs taken at CW3 SW8.

Dmm 6/28/10

GPS coordinates collected.

1227 Completed sampling at CW3 SD8.

1315 Reached camp and gear near ocean port storehouse. Head for station P69 SW2

1330 Arrived at location P69 SW2 - Collected surface water sample. Tide ebbing.

Two photos taken.

1339 Completed sampling at P69 SW2.

1345 Arrived at M14 SW/SD12 Collected water sample. Water fairly clear, some surface algae.

1353 Sediment sample collected. Description - Gray organic silt - some roots.

6/28/10

1400 GPS coordinates collected.
Two photographs taken of sediment sample location.

1405 Completed sample collection at M14 SW SD 12.
Returned to shore.

1415 Collected Field Blank FB062820 10.
DI water poured over decontaminated auger into decontaminated SS bowl.

1420 Light rain begins. Then clearing.

1440 Sampling completed. Pack samples and equipment.

MM 6/28/10