

9/15/2005  
 New Bedford Harbor Dredge Project - Phase II - Part 2  
 Water Quality Monitoring - Maritime Excavation Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 5:57				Current					
Falling Tide	9:30	091505_00_01	814454.27	Up	5	0.6		Cloudy looks like rain	None
			2692734.15		10	0.5		Wind ~ 5-10 Kts NE	
					15	0.8		No Dredging Occuring	
					20	0.5			
					25	0.4			
					AVERAGE	0.5	20.5		
Low 11:40									
Rising Tide	14:31	091505_01_1	814454.78	Up	5	0.7	(Background)	Cloudy looks like rain	None
			2694352.7	(Background)	10	0.6		Wind ~ 5-10 Kts NE	
					15	2.6			
					20	2.3			
					25	2.4			
					AVERAGE	1.7	21.7		
	14:36	091505_01_9	814467.27	Down	5	3.5	(Background)	Rainy ~70 deg. F	None
			26903754.63		10	3.3		Wind ~ 5-10 Kts NE	
					15	2.9			
					20	3.4			
					25	3.6			
					30	3.4			
					AVERAGE	3.3	(18.4 Below Permissible)		
	15:35	091505_02_1	814438.72	Up	5	2.0	Turbidity Increase Limit)	Rainy ~70 deg. F	None
			2693793.54	(Background)	10	1.9		Wind ~ 5-10 Kts NE	
					15	1.2			
					20	1.1			
					25	0.8			
					30	0.9			
					AVERAGE	1.3	21.3		
	15:36	091505_02_9	814443.69	Down	5	7.0	(Background)	Rainy ~70 deg. F	None
			2694262.57		10	10.0		Wind ~ 5-10 Kts NE	
					15	16.0			
					20	16.2			
					25	4.0			
					30	2.0			
					AVERAGE	9.2	(11.2 Below Permissible)		
	16:30	091505_03_1	814426.44	Up	5	6.0	Turbidity Increase Limit)	Rainy ~70 deg. F	None
			2693767.63	(Background)	10	2.5		Wind ~ 5-10 Kts NE	
					15	2.6			
					20	2.7			
					25	2.9			
					30	2.0			
					AVERAGE	3.1	23.1		
	16:35	091505_03_9	814433.47	Down	5	7.0	(Background)	Rainy ~70 deg. F	None
			2694407.47		10	12.5		Wind ~ 5-10 Kts NE	
					15	11.0			
					20	12.0			
					25	5.0			
					30	3.7			
					AVERAGE	8.5	(14.6 Below Permissible)		
	17:23	091505_04_1	814393.95	Up	5	1.1	Turbidity Increase Limit)	Rainy ~70 deg. F	None
			2693794.44	(Background)	10	2.8		Wind ~ 5-10 Kts NE	
					15	2.6			
					20	2.1			
					25	2.1			
					30	2.1			
					AVERAGE	2.1	22.1		
	17:28	091505_04_9	814442.46	Down	5	1.8	(Background)	Rainy ~70 deg. F	None
			2694364.29		10	2.9		Wind ~ 5-10 Kts NE	
					15	1.6			
					20	3.3			
					25	6.5			
					30	2.6			
					AVERAGE	3.1	(19.0 Below Permissible)		
High 18:30							Turbidity Increase Limit)		

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



9/16/2005  
 New Bedford Harbor Dredge Project - Phase II - Part 2  
 Water Quality Monitoring - Maritime Excavation Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity	Permissible Turbidity	Weather Conditions	Vessel
High 6.53				Current		(NTUs)	Increase (NTUs)		Traffic
Falling Tide	7:47	091605_00_1	814417.75	Up	5	4.8		Rainy - 75 deg. F	None
			2694424.98		10	2.4		Wind - 5-10 Kts. SW	
					15	2.8			
					20	2.7			
					25	2.3			
					30	3.1			
					<b>AVERAGE</b>	<b>3.0</b>	<b>23.0</b>		
	8:08	091605_01_1	814425.05	Up	5	11.5	(Background)	Rainy - 75 deg. F	None
			2694442.09	(Background)	10	4.0		Wind - 5-10 Kts. SW	
					15	3.1			
					20	2.5			
					25	2.8			
					30	3.8			
					<b>AVERAGE</b>	<b>4.6</b>	<b>24.6</b>		
	7:58	091605_01_9	814398.38	Down	5	4.1	(Background)	Rainy - 75 deg. F	None
			2693834.91		10	2.0		Wind - 5-10 Kts. SW	
					15	2.6			
					20	2.6			
				25	2.5				
				30	3.0				
				<b>AVERAGE</b>	<b>2.8</b>	<b>(21.8 Below Permissible</b>			
9:53	091605_03_1	814420.88	Up	5	4.6	Turbidity Increase Limit)	Rainy - 75 deg. F	None	
		2694407.78	(Background)	10	5.7		Wind - 5-10 Kts. SW		
				15	4.1				
				20	2.6				
				25	2.3				
				30	2.8				
				<b>AVERAGE</b>	<b>3.7</b>	<b>23.7</b>			
10:08	091605_03_9	814427.12	Down	5	12.5	(Background)	Rainy - 75 deg. F	None	
		2693734.4		10	9.5		Wind - 5-10 Kts. SW		
				15	12.5				
				20	12.0				
				25	2.9				
				30	2.0				
				<b>AVERAGE</b>	<b>8.6</b>	<b>(15.1 Below Permissible</b>			
12:07	091605_05_1	814422.48	Up	5	9.8	Turbidity Increase Limit)	Rainy - 75 deg. F	None	
		2694443.41	(Background)	10	2.4		Wind - 5-10 Kts. SW		
				15	4.4				
				20	6.0				
				25	22.0				
				30	14.5				
				<b>AVERAGE</b>	<b>9.8</b>	<b>29.8</b>			
12:15	091605_05_9	814397.5	Down	5	6.8	(Background)	Rainy - 75 deg. F	None	
		2693723.13		10	13.0		Wind - 5-10 Kts. SW		
				15	6.0				
				20	4.1				
				25	3.3				
				<b>AVERAGE</b>	<b>6.6</b>	<b>(23.2 Below Permissible</b>			
Low 12.40									
Rising Tide	14:23	091605_07_1	81485.22	Up	5	7.9	Turbidity Increase Limit)	Rainy - 75 deg. F	None
			2693525.8	(Background)	10	4.5		Wind - 5-10 Kts. SW	
					15	2.3			
					20	2.4			
					25	3.2			
					<b>AVERAGE</b>	<b>4.0</b>	<b>24.0</b>		
	14:06	091605_07_9	814385.22	Down	5	8.8	(Background)	Rainy - 75 deg. F	None
			2694216.07		10	17.5		Wind - 5-10 Kts. SW	
					15	7.5			
					20	5.5			
					25	4.3			
					30	1.8			
					<b>AVERAGE</b>	<b>7.5</b>	<b>(16.5 Below Permissible</b>		
	16:14	091605_09_1	814426.94	Up	5	5.2	Turbidity Increase Limit)	Rainy - 75 deg. F	None
			2693756.21	(Background)	10	3.0		Wind - 5-10 Kts. SW	
					15	2.7			
					20	2.3			
					25	3.0			
				30	4.4				
				<b>AVERAGE</b>	<b>3.4</b>	<b>23.4</b>			
16:10	091605_09_9	814391.97	Down	5	0.4		Rainy - 75 deg. F	None	
		2694575.06		10	7.9		Wind - 5-10 Kts. SW		
				15	7.9				
				20	9.5				
				25	7.8				
				30	6.4				
				<b>AVERAGE</b>	<b>6.6</b>	<b>(16.8 Below Permissible</b>			
High 19.22							Turbidity Increase Limit)		

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9/17/2005  
 New Bedford Harbor Dredge Project - Phase II - Part 2  
 Water Quality Monitoring - Maritime Excavation Area

Tide Time	Time	ID	Coordinates	Up/Down Current	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 7:44									
Falling Tide	8:52	091705_01_1	814598.22	Up	5	3.5		Cloudy light rain	None
			2694685.81	(Background)	10	2.2		Wind 10 Kts NE	
					15	2.3			
					20	2.3			
					25	2.3			
					30	2.7			
					<b>AVERAGE</b>	<b>2.5</b>	<b>22.5</b>		
	9:01	091705_01_9	814398.59	Down	5	16.5	(Background)	Cloudy ~75 deg. F	None
			2693709.36		10	2.7		Wind ~ 5-10 Kts NE	
					15	2.7			
					20	2.5			
					25	2.6			
					30	3.6			
					<b>AVERAGE</b>	<b>5.1</b>	(17.4 Below Permissible Turbidity Increase Limit)		
	10:36	091705_03_1	814514.18	Up	5	3.3	Turbidity Increase Limit)	Cloudy ~75 deg. F	None
			2694435.84	(Background)	10	2.8		Wind ~ 5-10 Kts NE	
					15	3.3			
					20	1.8			
					25	2.1			
					30	2.6			
					<b>AVERAGE</b>	<b>2.6</b>	<b>22.6</b>		
	10:52	091705_03_9	814488.93	Down	5	7.5	(Background)	Cloudy ~75 deg. F	None
			2693554.73		10	8.9		Wind ~ 5-10 Kts NE	
					15	11.0			
					20	11.0			
					25	8.3			
					<b>AVERAGE</b>	<b>9.3</b>	(13.3 Below Limit)		
	12:38	091705_05_1	814535.37	Up	5	3.8	Turbidity Increase Limit)	Cloudy ~75 deg. F	None
			2694592.09	(Background)	10	3.2		Wind ~ 5-10 Kts NE	
					15	4.4			
					20	2.8			
					25	1.7			
					30	2.1			
					<b>AVERAGE</b>	<b>3.0</b>	<b>23.0</b>		
	12:56	091705_05_9	814357.12	Down	5	6.0	(Background)	Cloudy ~75 deg. F	None
			2694044.21		10	14.0		Wind ~ 5-10 Kts NE	
					15	15.0			
					20	6.5			
					<b>AVERAGE</b>	<b>10.4</b>	(12.6 Below Limit)		
Low 13:36									
Rising Tide	14:33	091705_07_1	10' North of Rt. 6 Brdige	Up	5	3.2	Turbidity Increase Limit)	Cloudy ~75 deg. F	None
				(Background)	10	2.5		Wind ~ 5-10 Kts NE	
					15	2.4			
					20	2.9			
					25	3.0			
					30	3.5			
					<b>AVERAGE</b>	<b>2.9</b>	<b>22.9</b>		
	14:55	091705_07_9	10' North of Rt. 6 Brdige	Down	5	5.0	(Background)	Cloudy ~75 deg. F	None
					10	18.5		Wind ~ 5-10 Kts NE	
					15	32.5			
					20	19.5			
					25	12.5			
					30	7.5			
					<b>AVERAGE</b>	<b>15.9</b>	(7.0 Below Permissible Turbidity Increase Limit)		
High 20:12									

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9/19/2005  
 New Bedford Harbor Dredge Project - Phase II - Part 2  
 Water Quality Monitoring - White's Terminal Excavation Area

Tide Time	Time	ID	Coordinates	Up/Down Current	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 9:21									
<b>Falling Tide</b>	10:00	091905_00_1	815055	Up	5	2.0		Sunny ~75 deg. F	None
			2695409	(Background)	15	1.8		Wind 5-10 kts NE	
					25	3.0			
					<b>AVERAGE</b>	<b>2.3</b>	<b>22.3</b>		
	10:18	091905_00_9	815144	Down	5	2.3	(Background)	Sunny ~75 deg. F	None
			2694602		15	2.5		Wind 5-10 kts NE	
					25	3.0			
					<b>AVERAGE</b>	<b>2.6</b>	(19.7 Below Permissible)		
	14:12	091905_06_1	814995	Up	5	3.5	Turbidity Increase Limit)	Sunny ~75 deg. F	None
			2695373	(Background)	15	2.8		Wind 5-10 kts NE	
					25	2.5			
					<b>AVERAGE</b>	<b>2.9</b>	<b>22.9</b>		
	14:17	091905_06_9	815122	Down	5	3.3	(Background)	Sunny ~75 deg. F	None
			2694597		15	3.8		Wind 5-10 kts NE	
					25	2.5			
					<b>AVERAGE</b>	<b>3.2</b>	(19.7 Below Permissible)		
	15:21	091905_07_1	8151818	Up	5	3.0	Turbidity Increase Limit)	Sunny ~75 deg. F	None
			2695037	(Background)	15	2.5		Wind 5-10 kts NE	
					25	10.0			
					<b>AVERAGE</b>	<b>5.2</b>	<b>25.2</b>		
	15:15	091905_07_9	815164	Down	5	18.0	(Background)	Sunny ~75 deg. F	None
			2694528		15	5.5		Wind 5-10 kts NE	
					25	3.5			
					<b>AVERAGE</b>	<b>9.0</b>	(16.2 Below Permissible)		
Low 15:17							Turbidity Increase Limit)		

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9/21/2005  
 New Bedford Harbor Dredge Project - Phase II - Part 2  
 Water Quality Monitoring - White's Terminal Excavation Area

Tide Time	Time	ID	Coordinates	Up/Down Current	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 3:56									
<b>Rising Tide</b>	7:46	092105_00_1	814599.29	Up	5	2.9		Sunny ~ 75 deg. F	None
			2694441.52	(Background)	15	2.3		Wind 5-10 kts W	
					25	2.6			
					<b>AVERAGE</b>	<b>2.6</b>	<b>22.6</b>		
	7:59	092105_00_9	815126.88	Down	5	3.8	(Background)	Sunny ~ 75 deg. F	None
			2694995.01		15	4.6		Wind 5-10 kts W	
					25	4.5			
					<b>AVERAGE</b>	<b>3.0</b>	(19.6 Below Permissible)		
	9:43	092105_02_1	815248.46	Up	5	2.3	Turbidity Increase Limit)	Sunny ~ 75 deg. F	None
			2694376.43	(Background)	15	1.5		Wind 5-10 kts W	
					25	2.0			
					<b>AVERAGE</b>	<b>1.9</b>	<b>21.9</b>		
	9:47	092105_02_9	815106.71	Down	5	3.0	(Background)	Sunny ~ 75 deg. F	None
			2694939.99		15	3.6		Wind 5-10 kts W	
					25	5.0			
					<b>AVERAGE</b>	<b>3.9</b>	(18.0 Below Permissible)		
High 10:57									
<b>Falling Tide</b>	11:25	092105_04_1	815162.14	Up	5	3.4	Turbidity Increase Limit)	Sunny ~ 75 deg. F	None
			2695397.31	(Background)	15	3.8		Wind 5-10 kts W	
					25	5.0			
					<b>AVERAGE</b>	<b>4.1</b>	<b>24.1</b>		
	12:29	092105_04_9	815141.71	Down	5	7.3	(Background)	Sunny ~ 75 deg. F	None
			2694557.36		15	2.5		Wind 5-10 kts W	
					25	3.8			
					<b>AVERAGE</b>	<b>4.5</b>	(19.6 Below Permissible)		
	14:20	092105_07_1	815046.65	Up	5	3.5	Turbidity Increase Limit)	Sunny ~ 75 deg. F	None
			2695455.02	(Background)	15	3.3		Wind 5-10 kts W	
					25	5.3			
					<b>AVERAGE</b>	<b>4.0</b>	<b>24.0</b>		
	14:25	092105_07_9	815176.7	Down	5	10.5	(Background)	Sunny ~ 75 deg. F	None
			2694611.2		15	6.8		Wind 5-10 kts W	
					25	9.5			
					<b>AVERAGE</b>	<b>8.9</b>	(15.1 Below Permissible)		
	17:35	092105_10_1	815207.72	Up	5	3.5	Turbidity Increase Limit)	Sunny ~ 75 deg. F	None
			2694451.02	(Background)	15	4.0		Wind 5-10 kts W	
					25	3.3			
					<b>AVERAGE</b>	<b>3.6</b>	<b>23.6</b>		
	17:38	092105_10_9	815210.06	Down	5	2.7	(Background)	Sunny ~ 75 deg. F	None
			2695057.56		15	10.0		Wind 5-10 kts W	
					25	13.0			
					<b>AVERAGE</b>	<b>8.6</b>	(15.0 Below Permissible)		
Low 16:47							Turbidity Increase Limit)		

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



9/26/2005  
 New Bedford Harbor Dredge Project - Phase II - Part 2  
 Water Quality Monitoring - Pease Park Excavation Area

Tide Time	Time	ID	Coordinates	Up/Down Current	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 8:03									
<b>Rising Tide</b>	12:55	092605_01_1	817791.2	Up	5	3.5		Cloudy ~70 deg. F	None
			2693259.8	(Background)	15	3.1		Wind 20-30 Kts SW	
					25	3.4			
					<b>AVERAGE</b>	<b>3.3</b>	<b>23.3</b>		
	13:03	092605_01_9	817929.5	Down	5	3.8	(Background)	Cloudy ~70 deg. F	None
			2694003.2		15	4.6		Wind 20-30 Kts SW	
					25	4.5			
					<b>AVERAGE</b>	<b>3.0</b>	(20.3 Below Permissible)		
	14:11	092605_02_1	817862.1	Up	5	5.0	Turbidity Increase Limit)	Cloudy ~70 deg. F	None
			2693436.9	(Background)	15	4.3		Wind 20-30 Kts SW	
					25	3.5			
					<b>AVERAGE</b>	<b>4.3</b>	<b>24.3</b>		
	14:04	092605_02_9	818044.3	Down	5	22.5	(Background)	Cloudy ~70 deg. F	None
			2693977.4		15	22.5		Wind 20-30 Kts SW	
					25	21.3			
					<b>AVERAGE</b>	<b>22.1</b>	(2.2 Below Permissible)		
High 15:30							Turbidity Increase Limit)		

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9/30/2005  
**New Bedford Harbor Dredge Project - Phase II - Part 2**  
**Water Quality Monitoring - Pease Park Excavation Area**

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 6:43				Current					
Rising Tide	8:48	093005_01_1	817925.66	Up	5	5.0		Sunny -70 deg. F	None
			2694001.67	(Background)	10	5.5		Wind 5-10 Kts. NW	
					15	3.5			
					AVERAGE	4.7	24.7		
	8:52	093005_01_9	817945.39	Down	5	5.0	(Background)	Sunny -70 deg. F	None
			2693414.46		10	10.0		Wind 5-10 Kts. NW	
					15	17.5			
					AVERAGE	10.8	(13.9 Below Permissible)		
	10:38	093005_03_1	817974.46	Up	5	2.2	Turbidity Limit)	Sunny -75 deg. F	None
			2693770.27	(Background)	10	3.4		Wind 5-10 Kts. NW	
					15	5.0			
					AVERAGE	3.5	23.5		
	10:42	093005_03_9	817968.49	Down	5	5.0	(Background)	Sunny -75 deg. F	None
			2693508.16		10	4.8		Wind 5-10 Kts. NW	
					15	2.5			
					AVERAGE	4.1	(19.4 Below Permissible)		
Low 12:17									
Falling Tide	12:38	093005_05_1	817860.19	Up	5	5.5	Turbidity Limit)	Sunny -80 deg. F	None
			2693426.89	(Background)	10	4.3		Wind 5-10 Kts. NW	
					15	2.2			
					AVERAGE	4.0	24.0		
	12:43	093005_05_9	817893.86	Down	5	2.5	(Background)	Sunny -80 deg. F	None
			2694023.07		10	5.5		Wind 5-10 Kts. NW	
					15	13.0			
					AVERAGE	7.0	(17.0 Below Permissible)		
High 19:02							Turbidity Limit)		

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



10/3/2005  
**New Bedford Harbor Dredge Project - Phase II - Part 2**  
**Water Quality Monitoring - D.N. Kelley (K1) and SR1 Excavation Areas**

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 2:52				Current					
Rising Tide	8:54	100305_03_1	817942.97	Up	2	2.6		Cloudy ~70 deg F	None
			2693886.54	(Background)	5	5.3		Wind ~ 2 Kts. N	
					10	14.9			
					AVERAGE	7.6	27.6		
	9:01	100305_03_9	817824.33	Down	5	5.3	(Background)	Cloudy ~70 deg F	None
			2693300.85		10	6.3		Wind ~ 2 Kts. N	
					15	5.5			
					AVERAGE	5.7	(21.9 Below Permissible)		
High 9:38									
Falling Tide	11:42	100305_05_1	815199.84	Up	5	2.3	Turbidity Increase Limit	Cloudy ~70 deg F	None
			2693545.07	(Background)	10	2.6		Wind ~ 2 Kts. N	
					15	3.3			
					AVERAGE	2.7	22.7		
	11:49	100305_05_9	815780.63	Down	5	2.8	(Background)	Cloudy ~70 deg F	None
			2692762.94		10	2.0		Wind ~ 2 Kts. N	
					15	2.2			
					AVERAGE	2.3	(20.6 Below Permissible)		
	13:40	100305_08_1	815271.74	Up	5	2.8	Turbidity Increase Limit	Cloudy ~70 deg F	None
			2693858.85	(Background)	10	2.5		Wind ~ 2 Kts. N	
					15	10.1			
					AVERAGE	5.1	25.1		
	13:50	100305_08_9	815561.13	Down	5	7.8	(Background)	Cloudy ~70 deg F	None
			2693013.89		10	2.8		Wind ~ 2 Kts. N	
					15	6.8			
					AVERAGE	5.8	(19.3 Below Permissible)		
	15:55	100305_10_1	815750.15	Up	5	5.0	Turbidity Increase Limit	Cloudy ~70 deg F	None
			2693021.46	(Background)	10	6.9		Wind ~ 2 Kts. N	
					15	4.7			
					AVERAGE	5.5	25.5		
	16:02	100305_10_9	815398.53	Down	5	2.6	(Background)	Cloudy ~70 deg F	None
			2693705.35		10	5.8		Wind ~ 2 Kts. N	
					15	12.8			
					AVERAGE	7.1	(18.4 Below Permissible)		
	17:15	100305_11_1	817528.94	Up	5	3.3	Turbidity Increase Limit	Cloudy ~70 deg F	None
			2692861.62	(Background)	10	2.9		Wind ~ 2 Kts. N	
					15	4.0			
					AVERAGE	3.4	23.4		
	17:30	100305_11_9	817944.4	Down	5	7.3	(Background)	Cloudy ~70 deg F	None
			693276.07		10	11.2		Wind ~ 2 Kts. N	
					15	11.2			
					AVERAGE	9.9	(13.5 Below Permissible)		
Low 17:57							Turbidity Increase Limit		

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.







**10/6/2005**  
**New Bedford Harbor Dredge Project - Phase II - Part 2**  
**Water Quality Monitoring - D.N. Kelley (K1) Excavation Area**

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 3:24				Current					
Rising Tide	7:54	100605_02_1	817847.58	Up	2	1.8		Cloudy -68 deg. F	None
			2693813.81	(Background)	5	5.4		Wind 1-5 Kts. NNW	
					10	8.0			
					<b>AVERAGE</b>	<b>5.1</b>	<b>25.1</b>		
	7:58	100605_02_9	817862.67	Down	2	2.0	(Background)	Cloudy -68 deg. F	None
			2693307.13		4	3.5		Wind 1-5 Kts. NNW	
					14	1.9			
					<b>AVERAGE</b>	<b>2.5</b>	(22.6 Below Permissible		
	9:47	100605_04_1	817865.43	Up	2	1.8	Turbidity Increase Limit)	Cloudy -70 deg. F	None
			2693879.29	(Background)	10	4.0		Wind 1-5 Kts. NNW	
				15	10.5				
				<b>AVERAGE</b>	<b>5.4</b>	<b>25.4</b>			
9:49	100605_04_9	817953.21	Down	2	5.0	(Background)	Cloudy -70 deg. F	None	
		2693443.85		8	8.5		Wind 1-5 Kts. NNW		
				16	3.4				
				<b>AVERAGE</b>	<b>5.6</b>	(19.8 Below Permissible			
High 10:19									
Falling Tide	13:15	100605_07_1	817803.18	Up	2	5.0	Turbidity Increase Limit)	Sunny -72 deg. F	None
			2693010.69	(Background)	5	5.5		Wind 5-10 Kts S	
					8	5.3			
					<b>AVERAGE</b>	<b>5.3</b>	<b>25.3</b>		
	13:10	100605_07_9	817575.01	Down	5	6.5	(Background)	Sunny -72 deg. F	None
			2692729.49		10	5.3		Wind 5-10 Kts S	
				15	1.8				
				<b>AVERAGE</b>	<b>4.5</b>	(20.8 Below Permissible			
Low 16:08							Turbidity Increase Limit)		

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



10/10/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - Linberg Excavation Area

Tide Time	Time	ID	Coordinates	Up/Down Current	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 6:21									
<b>Flood Tide</b>	11:09	101005_00_1	817847.58	Up	5	2.6		Raining-50 deg. F	None
			2693813.81	(Background)	10	2.5		Wind 10 kts SW	
					15	5.0			
					<b>AVERAGE</b>	<b>3.3</b>	<b>23.3</b>		
	11:13	101005_00_9	817862.67	Down	5	2.6	(Background)	Raining-50 deg. F	None
			2693307.13		10	2.5		Wind 10 kts SW	
					15	3.9			
High 1:55					<b>AVERAGE</b>	<b>3.0</b>	(20.3 Below Permissible)		
<b>Falling Tide</b>									
	13:02	101005_02_1	817865.43	Up	5	4.5	Turbidity Increase Limit)	Raining-50 deg. F	None
			2693879.29	(Background)	10	2.9		Wind 10 kts SW	
					15	3.5			
					<b>AVERAGE</b>	<b>3.6</b>	<b>23.6</b>		
	13:06	101005_02_9	817953.21	Down	2	7.5	(Background)	Raining-50 deg. F	None
			2693443.85		5	15.0		Wind 10 kts SW	
					10	11.0			
					<b>AVERAGE</b>	<b>11.2</b>	(12.4 Below Permissible)		
	14:55	101005_04_1	817803.18	Up	5	2.8	Turbidity Increase Limit)	Raining-50 deg. F	None
			2693010.69	(Background)	10	8.0		Wind 10 kts SW	
					15	9.4			
					<b>AVERAGE</b>	<b>6.7</b>	<b>26.7</b>		
	15:15	101005_04_9	817575.01	Down	2	6.1	(Background)	Raining-50 deg. F	None
			2692729.49		5	4.7		Wind 10 kts SW	
					10	5.0			
					<b>AVERAGE</b>	<b>5.3</b>	(21.4 Below Permissible)		
Low 17:48							Turbidity Increase Limit)		

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



10/17/2005  
**New Bedford Harbor Dredge Project - Phase II**  
**Water Quality Monitoring - Linberg Excavation Area**

Tide Time	Time	ID	Coordinates	Up/Down Current	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
	7:40	101705_02_1	817878.96 2693561.4	Up (Background)	5 10 15	8.5 3.5 4.0		Sunny-50 deg. F Wind 10 kts NW	None
					<b>AVERAGE</b>	<b>5.3</b>	<b>25.3</b>		
	7:45	101705_02_9	817948.07 2694131.6	Down	2 5 10	10.5 3.1 0.9	(Background)	Sunny-50 deg. F Wind 10 kts NW	None
High 8:11					<b>AVERAGE</b>	<b>4.8</b>	(23.3 Below Permissible)		
Falling Tide									
	9:35	101705_04_1	818036.19 2694183.4	Up (Background)	2 5 8	7.8 8.0 7.3	Turbidity Increase Limit)	Sunny-50 deg. F Wind 10 kts NW	None
					<b>AVERAGE</b>	<b>7.7</b>	<b>27.7</b>		
	9:40	101705_4_9_1	818134.68 2693870.7	Down	5 10 15	10.5 24.0 50.0	(Background)	Sunny-50 deg. F Wind 10 kts NW	*
					<b>AVERAGE</b>	<b>28.2</b>	(19.4 Below Permissible)		
	9:52	101705_4_9_2	817941.16 2693805.6	Down	5 10 15	42.0 80.0 45.0	Turbidity Increase Limit)	Sunny-50 deg. F Wind 10 kts NW	*
					<b>AVERAGE</b>	<b>55.7</b>	(19.0 Below Permissible)		
	10:00	101705_4_cso (cso up current)	817633.61 2694021	Down	5 7	125.0 37.5	Turbidity Increase Limit)	Sunny-50 deg. F Wind 10 kts NW	*
					<b>AVERAGE</b>	<b>81.3</b>	<b>81.3</b>		
	10:12	101705_4_cso_2 (cso up current)	817816.76 2693756.6	Down	2 5 10	50.0 40.0 125.0		Sunny-50 deg. F Wind 10 kts NW	*
					<b>AVERAGE</b>	<b>71.7</b>	<b>91.7</b>		
	10:18	101705_4_9_3 (cso Down current)	818143.32 2693908.7	Down	5 10	13.0 18.0		Sunny-50 deg. F Wind 10 kts NW	*
					<b>AVERAGE</b>	<b>15.5</b>	<b>15.5</b>		
	10:25	101705_4_9_4 (cso down current)	817982.63 2694036.6	Down	5 10 15	11.5 22.0 14.5		Sunny-50 deg. F Wind 10 kts NW	*
					<b>AVERAGE</b>	<b>16.0</b>	<b>16.0</b>		
	10:35	101705_5_1	817832.31 2694119.5	Up (Background)	5 10 15	22.5 10.0 9.0		Sunny-50 deg. F Wind 10 kts NW	None
					<b>AVERAGE</b>	<b>13.8</b>	<b>28.8</b>		
	10:27	101705_5_9	817802.93 2693701.4	Down	5 10 15	10.0 42.5 14.5	(Background)	Sunny-50 deg. F Wind 10 kts NW	None
					<b>AVERAGE</b>	<b>22.3</b>	(6.5 Below Permissible)		
	11:15	101705_6_1	817683.71 2694084.9	Up (Background)	5 10 15	9.0 12.0 10.5	Turbidity Increase Limit)	Sunny-50 deg. F Wind 10 kts NW	None
					<b>AVERAGE</b>	<b>10.5</b>	<b>25.5</b>		
	11:23	101705_6_9	817873.78 2693468.1	Down	2 5 10	11.0 11.2 8.0	(Background)	Sunny-50 deg. F Wind 10 kts NW	None
					<b>AVERAGE</b>	<b>10.2</b>	(15.3 Below Permissible)		
	11:55	101705_7_1	817557.58 2694126.4	Up (Background)	2 5 10	9.9 2.5 12.0	Turbidity Increase Limit)	Sunny-50 deg. F Wind 10 kts NW	None
					<b>AVERAGE</b>	<b>8.1</b>	<b>28.1</b>		
	12:05	101705_7_9	817759.74 2693742.8	Down	5 10 15	9.1 9.2 7.6	(Background)	Sunny-50 deg. F Wind 10 kts NW	None
Low 13:24					<b>AVERAGE</b>	<b>8.6</b>	(19.0 Below Permissible)		
Flood Tide									
	13:35	101705_8_1	817889.33 2693333.3	Up (Background)	2 3 5	55.0 60.0 100.3	Turbidity Increase Limit)	Sunny-50 deg. F Wind 10 kts NW	None
					<b>AVERAGE</b>	<b>71.8</b>	<b>93.3</b>		
	13:42	101705_8_9	817749.37 2693976.1	Down	5 10 12	25.0 10.0 7.5	(Background)	Sunny-50 deg. F Wind 10 kts NW	None
High 19:04					<b>AVERAGE</b>	<b>14.2</b>	(79.1 Below Permissible Turbidity Increase Limit)		

\* - Observed CSO flowing into harbor up current from dredge

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



10/21/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - D.N. Kelley (K-3 and K-4) Excavation Area

Tide Time	Time	ID	Coordinates	Up/Down Current	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 4:00									
<b>Flood Tide</b>	9:53	102105_00_1	817663.71	Up	5	1.6		Sunny-60 deg. F	None
			2692681.4	(Background)	10	1.4		Wind 5 kts E	
					15	1.5			
					<b>AVERAGE</b>	<b>1.5</b>	<b>21.5</b>		
	10:00	102105_01_1	817693.74	Up	5	4.8	(Background)	Sunny-60 deg. F	None
			2692561.5	(Background)	10	1.6		Wind 5 kts E	
					15	2.3			
					<b>AVERAGE</b>	<b>2.9</b>	<b>22.9</b>		
	10:03	102105_01_9	817921.39	Down	5	5.5	(Background)	Sunny-60 deg. F	None
			2692800.1		10	1.8		Wind 5 kts E	
					15	1.5			
					<b>AVERAGE</b>	<b>2.9</b>	<b>(20.0 Below Permissible)</b>		
	11:15	102105_02_1	817895.49	Up	5	1.6	Turbidity Increase Limit)	Sunny-60 deg. F	None
			2692547.8	(Background)	10	1.5		Wind 5 kts E	
					15	3.5			
					<b>AVERAGE</b>	<b>2.2</b>	<b>22.2</b>		
High 11:18									
<b>Falling Tide</b>									
	11:20	102105_02_9	817834.14	Down	5	8.5	(Background)	Sunny-60 deg. F	None
			2692832.8		10	9.8		Wind 5 kts E	
					15	6.1			
					<b>AVERAGE</b>	<b>8.1</b>	<b>(14.1 Below Permissible)</b>		
	12:10	102105_03_1	818008.65	Up	5	7.0	Turbidity Increase Limit)	Sunny-60 deg. F	None
			2692820.5	(Background)	10	7.5		Wind 5 kts E	
					15	8.5			
					<b>AVERAGE</b>	<b>7.7</b>	<b>27.7</b>		
	12:06	102105_03_9	817780.9	Down	5	5.5	(Background)	Sunny-60 deg. F	None
			2692511.7		10	5.8		Wind 5 kts E	
					15	5.5			
					<b>AVERAGE</b>	<b>5.6</b>	<b>(22.1 Below Permissible)</b>		
Low 17:09									

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.





9/21/2005  
 New Bedford Harbor Dredge Project - Phase II - Part 2  
 Water Quality Monitoring - CAD Cell Disposal Area - Disposal # 1  
 Scow - Eddie Carroll - (Mostly Mud)

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 3:56				Current					
Rising Tide	10:54	092105_d1_00	815094.22	Up	5	3.4		Sunny ~ 75 deg. F	None
			2695756.76	(Background)	15	2.5		Wind 5-10 kts W	
					25	5.0			
		10:56 DISPOSAL #1 STARTED							
High 10:57					AVERAGE	3.6	43.6		
Falling Tide	10:57	092105_d1_01	815093.01	Down	5	2.7	(Background)	Sunny ~ 75 deg. F	None
			2695659.56		15	3.5		Wind 5-10 kts W	
					25	5.5			
					AVERAGE	3.0	(40.7 Below Permissible		
	10:59	092105_d1_03	814859.63	Down	5	2.3	Turbidity Increase Limit)	Sunny ~ 75 deg. F	None
			2695828.06		15	2.5		Wind 5-10 kts W	
					25	5.5			
					AVERAGE	3.4	(40.2 Below Permissible		
	11:01	092105_d1_06	814789.68	Down	5	1.4	Turbidity Increase Limit)	Sunny ~ 75 deg. F	None
			2696057.59		15	2.7		Wind 5-10 kts W	
					25	4.8			
					AVERAGE	2.9	(40.7 Below Permissible		
	11:12	092105_d1_15	814956.39	Down	5	5.0	Turbidity Increase Limit)	Sunny ~ 75 deg. F	None
			2695834.56		15	3.8		Wind 5-10 kts W	
					25	5.0			
					AVERAGE	4.6	(39.7 Below Permissible		
Low 16:47							Turbidity Increase Limit)		

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



9/22/2005  
 New Bedford Harbor Dredge Project - Phase II - Part 2  
 Water Quality Monitoring - CAD Cell Disposal Area - Disposal # 2  
 Scow - SEI 2000 (Mostly Mud)

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 3:56									
Rising Tide	11:14	092205_d2_00	814615.34	Up	5	2.5		Sunny ~ 80 deg. F	None
			2695266.84	(Background)	15	2.6		Wind 1-5 kts SW	
					25	3.0			
		11:42 DISPOSAL #2 STARTED							
					AVERAGE	2.7	42.7		
High 11:48									
Falling Tide	11:43	092205_d2_01	814996.05	Down	5	3.0	Background	Sunny ~ 80 deg. F	None
			2695913.17		15	5.0		Wind 1-5 kts SW	
					25	5.0			
					AVERAGE	4.3	(38.4 Below Permissible		
	11:44	092205_d2_02	814910.81	Down	5	5.5	Turbidity Increase Limit)	Sunny ~ 80 deg. F	None
			2696010.02		15	4.3		Wind 1-5 kts SW	
					25	3.8			
					AVERAGE	4.5	(38.2 Below Permissible		
	11:46	092205_d2_04	814721.45	Down	5	3.0	Turbidity Increase Limit)	Sunny ~ 80 deg. F	None
			2695890.99		15	3.5		Wind 1-5 kts SW	
					25	3.5			
					AVERAGE	3.3	(39.4 Below Permissible		
	11:51	092205_d2_07	814763.43	Down	5	2.8	Turbidity Increase Limit)	Sunny ~ 80 deg. F	None
			2695742.21		15	4.3		Wind 1-5 kts SW	
					25	4.6			
					AVERAGE	3.9	(38.8 Below Permissible		
Low 17:31							Turbidity Increase Limit)		

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



9/22/2005  
 New Bedford Harbor Dredge Project - Phase II - Part 2  
 Water Quality Monitoring - CAD Cell Disposal Area - Disposal # 3  
 Scow - Mighty Quinn (Mostly Mud)

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 11:48									
Falling Tide	11:14	092205_d3_00	814615.34	Up	5	2.5		Sunny ~ 80 deg. F	None
			2695266.84	(Background)	15	2.6		Wind 1-5 kts SW	
					25	3.0			
		<b>12:06 DISPOSAL #3 STARTED</b>							
					<b>AVERAGE</b>	<b>2.7</b>	<b>42.7</b>		
	12:13	092205_d3_07	815012.56	Down	5	3.5	<b>Background</b>	Sunny ~ 80 deg. F	None
			2695876.22		15	4.6		Wind 1-5 kts SW	
					25	5.5			
					<b>AVERAGE</b>	<b>4.5</b>	<b>(38.2 Below Permissible</b>		
	12:16	092205_d3_10	814904.62	Down	5	3.2	Turbidity Increase Limit)	Sunny ~ 80 deg. F	None
			2695948.32		15	3.4		Wind 1-5 kts SW	
					25	5.5			
					35	10.0			
					<b>AVERAGE</b>	<b>5.5</b>	<b>(37.2 Below Permissible</b>		
	12:21	092205_d3_15	814629.79	Down	5	2.6	Turbidity Increase Limit)	Sunny ~ 80 deg. F	None
			2695809.59		15	3.5		Wind 1-5 kts SW	
					25	4.1			
					<b>AVERAGE</b>	<b>3.4</b>	<b>(39.3 Below Permissible</b>		
	12:24	092205_d3_18	815027.07	Down	5	2.6	Turbidity Increase Limit)	Sunny ~ 80 deg. F	None
			2695961.87		15	7.5		Wind 1-5 kts SW	
					25	5.0			
					<b>AVERAGE</b>	<b>5.0</b>	<b>(37.0 Below Permissible</b>		
Low 17:53							Turbidity Increase Limit)		

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.

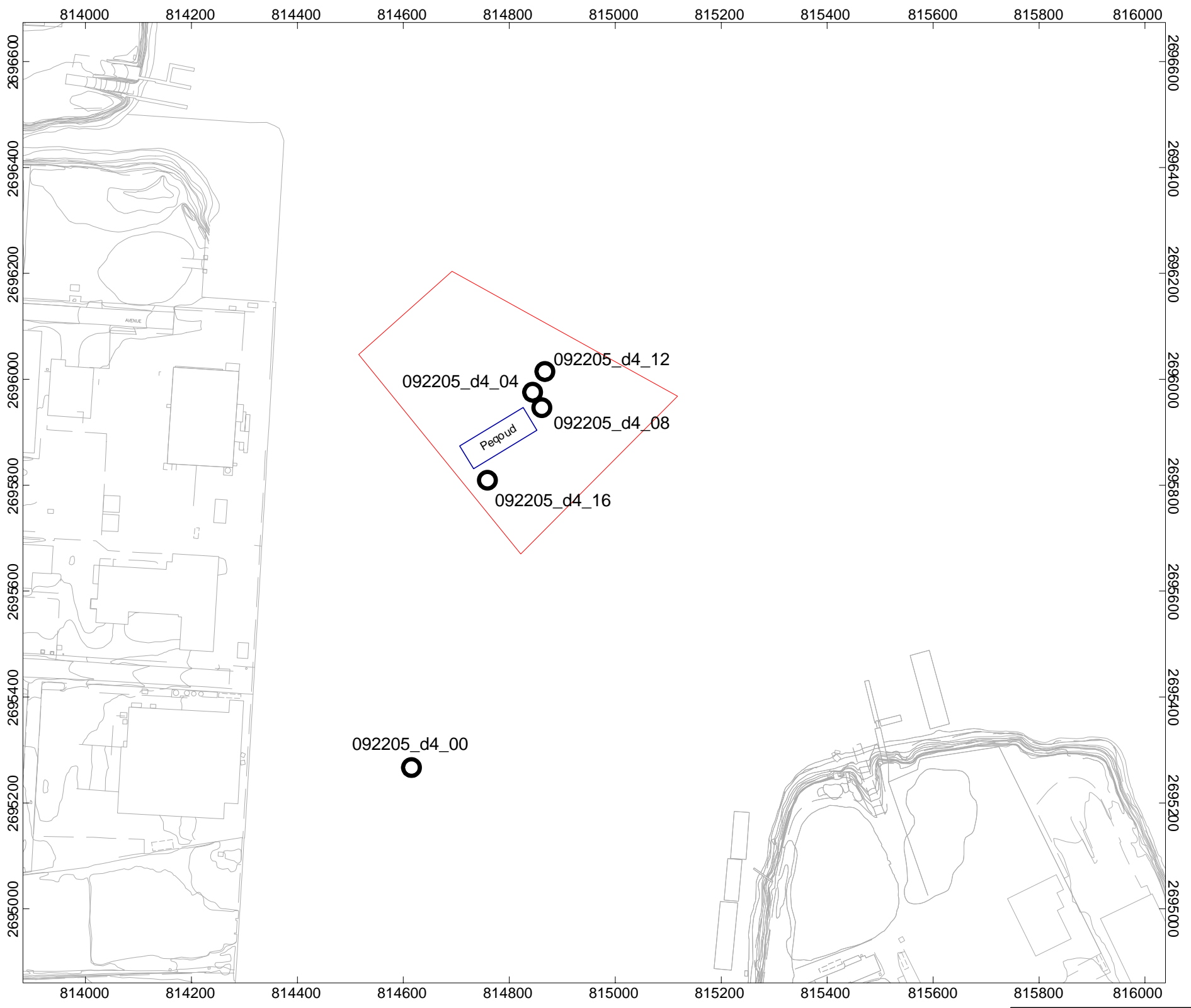


9/22/2005  
 New Bedford Harbor Dredge Project - Phase II - Part 2  
 Water Quality Monitoring - CAD Cell Disposal Area - Disposal # 4  
 Scow - Pequod (Mostly Sand)

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 11:48									
Falling Tide	11:14	092205_d4_00	814615.34	Up	5	2.5		Sunny ~ 80 deg. F	None
			2695266.84	(Background)	15	2.6		Wind ~ 1-5 kts SW	
					25	3.0			
		<b>12:32 DISPOSAL #4 STARTED</b>							
					<b>AVERAGE</b>	<b>2.7</b>	<b>42.7</b>		
	12:36	092205_d4_04	814843.98	Down	5	3.4	<b>Background</b>	Sunny ~ 80 deg. F	None
			2695975.57		15	7.0		Wind ~ 1-5 kts SW	
					25	4.5			
					<b>AVERAGE</b>	<b>5.0</b>	(37.7 Below Permissible)		
	12:40	092205_d4_08	814861.34	Down	5	3.1	Turbidity Increase Limit	Sunny ~ 80 deg. F	None
			2695946.36		15	4.0		Wind ~ 1-5 kts SW	
					25	11.0			
					<b>AVERAGE</b>	<b>6.0</b>	(36.7 Below Permissible)		
	12:44	092205_d4_12	814867.16	Down	5	5.0	Turbidity Increase Limit	Sunny ~ 80 deg. F	None
			2696014.75		15	6.5		Wind ~ 1-5 kts SW	
					25	10.5			
					<b>AVERAGE</b>	<b>7.3</b>	(35.4 Below Permissible)		
	12:48	092205_d4_16	814758.63	Down	5	6.0	Turbidity Increase Limit	Sunny ~ 80 deg. F	None
			2695809.41		15	5.0		Wind ~ 1-5 kts SW	
					25	2.9			
					<b>AVERAGE</b>	<b>4.6</b>	(38.1 Below Permissible)		
Low 17:53							Turbidity Increase Limit		


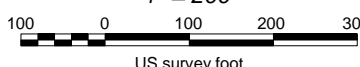
Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.





**LEGEND**

092205\_d4\_08 - Water Quality Monitoring Location

<p>Figure</p> <p style="font-size: 2em;">10</p>		<p><b>CAD CELL DISPOSAL</b></p> <p><b>WATER QUALITY MONITORING LOCATIONS</b></p>	<p>Scale 1:2400</p> <p>1" = 200'</p>  <p>US survey foot</p>	
	JOB # 6542.011	DISPOSAL #4 - 9/22/2005		
	DATE: Sept. 22, 2005	New Bedford Harbor New Bedford, MA		
	FIGURE 10			
				REVISIONS
				DATE
				BY

9/22/2005  
 New Bedford Harbor Dredge Project - Phase II - Part 2  
 Water Quality Monitoring - CAD Cell Disposal Area - Disposal # 5  
 Scow - Eddie Carroll (Mostly Sand)

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 11:48				Current					
Falling Tide	13:13	092205_d5_00	815094.21	Up	5	4.0		Sunny ~ 80 deg. F	None
			2695756.76	(Background)	15	4.8		Wind ~ 1-5 kts SW	
					25	8.0			
	13:20 DISPOSAL #5 STARTED								
					AVERAGE	5.6	45.6		
	13:22	092205_d5_02	814950.44	Down	5	3.5	(Background)	Sunny ~ 80 deg. F	None
			2696020.86		15	9.0		Wind ~ 1-5 kts SW	
					25	12.3			
					AVERAGE	8.3	(37.3 Below Permissible)		
	13:24	092205_d5_04	814848.1	Down	5	4.0	Turbidity Increase Limit)	Sunny ~ 80 deg. F	None
			2695945.08		15	10.5		Wind ~ 1-5 kts SW	
					25	17.5			
					35	25.0			
					AVERAGE	14.3	(31.3 Below Permissible)		
	13:26	092205_d5_06	814817.67	Down	5	3.4	Turbidity Increase Limit)	Sunny ~ 80 deg. F	None
			2696017.28		15	6.5		Wind ~ 1-5 kts SW	
					25	15.2			
					AVERAGE	8.4	(37.2 Below Permissible)		
Low 17:53							Turbidity Increase Limit)		

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



9/25/2005  
 New Bedford Harbor Dredge Project - Phase II - Part 2  
 Water Quality Monitoring - CAD Cell Disposal Area - Disposal # 6  
 Scow - Eddie Carroll (Mostly Sand)

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 6:51				Current					
Falling Tide	7:11	092505_d6_00	814693.78	Up	5	1.7		Sunny ~ 75 deg. F	None
			2695373.13	(Background)	15	2.6		Wind ~ 1-5 kts SW	
					25	3.8			
	<b>7:45 DISPOSAL #6 STARTED</b>								
					<b>AVERAGE</b>	<b>2.7</b>	<b>42.7</b>		
	7:46	092505_d6_01	814941.43	Down	5	2.5	(Background)	Sunny ~ 75 deg. F	None
			2696086.79		15	9.0		Wind ~ 1-5 kts SW	
					25	6.5			
					<b>AVERAGE</b>	<b>6.0</b>	(36.7 Below Permissible		
	7:49	092505_d6_04	814727.54	Down	5	2.0	Turbidity Increase Limit)	Sunny ~ 75 deg. F	None
			2695937.28		15	4.5		Wind ~ 1-5 kts SW	
					25	4.0			
					<b>AVERAGE</b>	<b>3.5</b>	(39.2 Below Permissible		
	7:52	092505_d6_07	814694.1	Down	5	4.0	Turbidity Increase Limit)	Sunny ~ 75 deg. F	None
			2696061.19		15	5.5		Wind ~ 1-5 kts SW	
				25	5.0				
				<b>AVERAGE</b>	<b>4.8</b>	(37.9 Below Permissible			
High 14:35							Turbidity Increase Limit)		

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



9/26/2005  
 New Bedford Harbor Dredge Project - Phase II - Part 2  
 Water Quality Monitoring - CAD Cell Disposal Area - Disposal # 7  
 Scow - Mighty Quinn (Mostly Sand)

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 15:40									
Falling Tide	16:26	092605_d7_00	815104.9	Up	5	2.3		Sunny - 75 deg. F	None
			2695866.6	(Background)	15	2.4			
					25	2.3			
	16:52 DISPOSAL #7 STARTED								
					AVERAGE	2.3	42.3		
	16:53	092605_d7_01	814810.4	Down	5	2.3	(Background)		None
			2695776.4		15	3.3			
					25	5.0			
					AVERAGE	3.5	(38.8 Below Permissible		
	16:55	092605_d7_03	814806.4	Down	5	2.5	Turbidity Increase Limit)		None
			2695591.8		15	2.4			
					25	3.1			
					AVERAGE	2.7	(39.6 Below Permissible		
	16:58	092605_d7_06	814814.8	Down	5	2.6	Turbidity Increase Limit)		None
			2695762.5		15	2.4			
					25	3.3			
					AVERAGE	2.8	(39.5 Below Permissible		
	17:02	092605_d7_10	815033.7	Down	5	3.3	Turbidity Increase Limit)		None
			2695994.9		15	3.0			
					25	4.0			
					AVERAGE	3.4	(38.9 Below Permissible		
	17:07	092605_d7_15	814995.1	Down	5	2.7	Turbidity Increase Limit)		None
			2695818.1		15	2.4			
					25	2.5			
					AVERAGE	2.5	(39.8 Below Permissible		
Low 22:47							Turbidity Increase Limit)		

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



9/27/2005  
 New Bedford Harbor Dredge Project - Phase II - Part 2  
 Water Quality Monitoring - CAD Cell Disposal Area - Disposal # 9  
 Scow - Pequod (Mostly Mud)

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic	
High 14:46										
Falling Tide	16:42	092705_d9_00	814755.4	Up	5	2.9		Sunny - 75 deg. F	None	
			2695300.9	(Background)	15	5.5		Wind 5-10 Kts SW		
					25	5.0				
	<b>17:32 DISPOSAL #9 STARTED</b>									
						<b>AVERAGE</b>	<b>4.5</b>	<b>44.5</b>		
	17:34	092705_d9_02	814894.6	Down	5	1.5	(Background)	Sunny - 75 deg. F	None	
			2695728.1		15	2.5		Wind 5-10 Kts SW		
					25	2.8				
						<b>AVERAGE</b>	<b>2.3</b>	(42.2 Below Permissible		
	17:36	092705_d9_04	814846.1	Down	5	1.8	Turbidity Increase Limit)	Sunny - 75 deg. F	None	
			2695696.9		15	2.6		Wind 5-10 Kts SW		
					25	3.0				
						<b>AVERAGE</b>	<b>2.5</b>	(42.0 Below Permissible		
	17:38	092705_d9_06	814805.7	Down	5	2.2	Turbidity Increase Limit)	Sunny - 75 deg. F	None	
			2695724.5		15	2.9		Wind 5-10 Kts SW		
					25	3.8				
						<b>AVERAGE</b>	<b>3.0</b>	(41.5 Below Permissible		
	17:40	092705_d9_08	814961.8	Down	5	2.3	Turbidity Increase Limit)	Sunny - 75 deg. F	None	
			2695829.8		15	2.4		Wind 5-10 Kts SW		
					25	3.0				
					<b>AVERAGE</b>	<b>2.6</b>	(41.9 Below Permissible			
17:42	092705_d9_10	814950.7	Down	5	1.8	Turbidity Increase Limit)	Sunny - 75 deg. F	None		
		2695766.2		15	2.5		Wind 5-10 Kts SW			
				25	2.4					
					<b>AVERAGE</b>	<b>2.2</b>	(42.3 Below Permissible			
Low 23:54							Turbidity Increase Limit)			

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.





9/29/2005  
 New Bedford Harbor Dredge Project - Phase II - Part 2  
 Water Quality Monitoring - CAD Cell Disposal Area - Disposal # 10  
 Scow - Eddie Carroll

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 6:00									
Falling Tide	10:53	092905_d10_00	814512.2	Up	5	2.9		Sunny - 75 deg. F	None
			2695672.6	(Background)	15	3.5		Wind 15-20 Kts S	
					25	4.6			
	11:02 DISPOSAL #10 STARTED								
					AVERAGE	1.0	41.0		
	11:05	092905_d10_03	814973.1	Down	5	2.7	(Background)	Sunny - 75 deg. F	None
			2695819.8		15	3.0		Wind 15-20 Kts S	
					25	3.6			
					AVERAGE	3.1	(40.6 Below Permissible		
	11:07	092905_d10_05	814927.2	Down	5	2.5	Turbidity Increase Limit)	Sunny - 75 deg. F	None
			2695752.9		15	2.6		Wind 15-20 Kts S	
					25	3.2			
					AVERAGE	2.8	(40.9 Below Permissible		
	11:09	092905_d10_07	814883.6	Down	5	3.0	Turbidity Increase Limit)	Sunny - 75 deg. F	None
			2695688.2		15	3.6		Wind 15-20 Kts S	
					25	5.5			
					AVERAGE	4.0	(39.7 Below Permissible		
	11:12	092905_d10_10	814773.6	Down	5	2.8	Turbidity Increase Limit)	Sunny - 75 deg. F	None
			2695723.8		15	3.4		Wind 15-20 Kts S	
					25	4.3			
					AVERAGE	3.5	(40.2 Below Permissible		
	11:14	092905_d10_12	814872.2	Down	5	2.7	Turbidity Increase Limit)	Sunny - 75 deg. F	None
			2695693.2		15	3.8		Wind 15-20 Kts S	
					25	3.4			
					AVERAGE	3.3	(40.3 Below Permissible		
Low 11:33							Turbidity Increase Limit)		

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



10/6/2005  
 New Bedford Harbor Dredge Project - Phase II - Part 2  
 Water Quality Monitoring - CAD Cell Disposal Area - Disposal # 16  
 Scow - SEI 2000

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic	
Low 4:08										
Rising Tide	5:15	100605_d16_00	814904.16	Up	5	2.8		Sunny ~ 70 deg. F	None	
			2695206.26	(Background)	15	2.4		Wind 5-10 kts W		
					25	2.7				
	5:20 DISPOSAL #16 STARTED									
						AVERAGE	2.6	42.6		
	5:22	100605_d16_02	814793.31	Down	5	2.8	(Background)	Sunny ~ 70 deg. F	None	
			2696254.07		15	3.0		Wind 5-10 kts W		
						AVERAGE	2.9	(39.7 Below Permissible)		
	5:28	100605_d16_08	814747.82	Down	5	3.1	Turbidity Increase Limit)	Sunny ~ 70 deg. F	None	
			2696453.09		15	2.8		Wind 5-10 kts W		
					25	5.0				
						AVERAGE	3.6	(38.9 Below Permissible)		
	5:32	100605_d16_12	814783.11	Down	5	3.0	Turbidity Increase Limit)	Sunny ~ 70 deg. F	None	
			2696410.27		15	2.5		Wind 5-10 kts W		
					25	2.5				
						AVERAGE	2.6	(39.9 Below Permissible)		
	5:36	106050_d16_16	814871.49	Down	5	3.4	Turbidity Increase Limit)	Sunny ~ 70 deg. F	None	
			2696118.78		15	2.5		Wind 5-10 kts W		
					25	2.8				
						AVERAGE	2.9	(39.7 Below Permissible)		
5:41	100605_d16_21	814603.72	Down	5	3.1	Turbidity Increase Limit)	Sunny ~ 70 deg. F	None		
		2695998.02		15	2.3		Wind 5-10 kts W			
				25	3.5					
					AVERAGE	3.0	(39.64 Below Permissible)			
High 10:01							Turbidity Increase Limit)			

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



10/10/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - CAD Cell Disposal Area - Disposal # 21  
 Scow - SEI 2000

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 6:21				Current					
Rising Tide	9:24	101005_d21_00	814736.1	Up	5	4.4		Raining-50 deg. F	None
			2696246.8	(Background)	15	15.0		Wind 10 kts SW	
					25	9.0			
	9:20 DISPOSAL #21 STARTED								
					AVERAGE	9.5	49.5		
	9:42	101005_d21_22	814711.2	Down	5	10.5	(Background)	Raining-50 deg. F	None
			2696180.4		15	12.5		Wind 10 kts SW	
					25	10.0			
					AVERAGE	11.0	(38.5 Below Permissible)		
	9:44	101005_d21_24	814724.3	Down	5	5.3	Turbidity Increase Limit	Raining-50 deg. F	None
			2696158.2		15	10.8		Wind 10 kts SW	
					25	11.0			
					AVERAGE	9.0	(40.5 Below Permissible)		
	9:45	101005_d21_25	814719.1	Down	5	12.0	Turbidity Increase Limit	Raining-50 deg. F	None
			2696108.9		15	6.5		Wind 10 kts SW	
					25	3.8			
					AVERAGE	7.4	(42.1 Below Permissible)		
	9:47	101050_d21_27	815600.2	Down	5	4.0	Turbidity Increase Limit	Raining-50 deg. F	None
			2696150		15	9.0		Wind 10 kts SW	
					25	6.8			
					AVERAGE	6.6	(42.9 Below Permissible)		
	9:50	101005_d21_30	814776.6	Down	5	7.0	Turbidity Increase Limit	Raining-50 deg. F	None
			2696167.7		15	10.0		Wind 10 kts SW	
					25	5.6			
					AVERAGE	7.5	(42.0 Below Permissible)		
High 1:55							Turbidity Increase Limit)		

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



10/21/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - CAD Cell Disposal Area - Disposal # 37  
 Scow - SEI 2000

Tide Time	Time	ID	Coordinates	Up/Down Current	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 11:18									
Falling Tide	15:00	102105_d37_00_0	815149.67	Up	5	3.3		Sunny-60 deg. F	None
			2696481.2	(Background)	15	3.0		Wind 5 kts E	
					30	2.5			
		15:05 DISPOSAL #37 STARTED							
					AVERAGE	2.9	42.9		
	15:06	102105_d37_00	815031.91	Down	5	3.3	(Background)	Sunny-60 deg. F	None
			2695678.6		15	3.0		Wind 5 kts E	
					30	2.5			
					AVERAGE	2.9	(40.0 Below Permissible		
	15:07	102105_d37_01	815162.07	Down	5	2.5	Turbidity Increase Limit)	Sunny-60 deg. F	None
			2695892.4		15	3.5		Wind 5 kts E	
					30	2.8			
					AVERAGE	2.9	(40.0 Below Permissible		
	15:08	102105_d37_02	815013.32	Down	5	3.0	Turbidity Increase Limit)	Sunny-60 deg. F	None
			2696140.3		15	3.0		Wind 5 kts E	
					25	3.5			
					AVERAGE	3.2	(39.7 Below Permissible		
	15:09	102105_d37_03	814560.86	Down	5	4.0	Turbidity Increase Limit)	Sunny-60 deg. F	None
			2696138.4		15	3.0		Wind 5 kts E	
					25	4.0			
					AVERAGE	3.7	(39.2 Below Permissible		
	15:10	102105_d37_04	814489.58	Down	5	3.6	Turbidity Increase Limit)	Sunny-60 deg. F	None
			2695991.6		15	2.1		Wind 5 kts E	
					25	4.5			
					AVERAGE	3.4	(39.5 Below Permissible		
	15:11	102105_d37_05	814529.87	Down	5	3.3	Turbidity Increase Limit)	Sunny-60 deg. F	None
			2695805.6		15	2.0		Wind 5 kts E	
					30	8.5			
					AVERAGE	4.6	(387.3 Below Permissible		
	15:12	102105_d37_06	814824.28	Down	5	2.5	Turbidity Increase Limit)	Sunny-60 deg. F	None
			2695876.9		15	2.0		Wind 5 kts E	
					30	3.5			
					AVERAGE	2.7	(40.2 Below Permissible		
	15:13	102105_d37_07	814774.69	Down	5	3.3	Turbidity Increase Limit)	Sunny-60 deg. F	None
			2695749.8		15	3.5		Wind 5 kts E	
					25	2.5			
					AVERAGE	3.1	(39.8 Below Permissible		
Low 4:59							Turbidity Increase Limit)		

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.

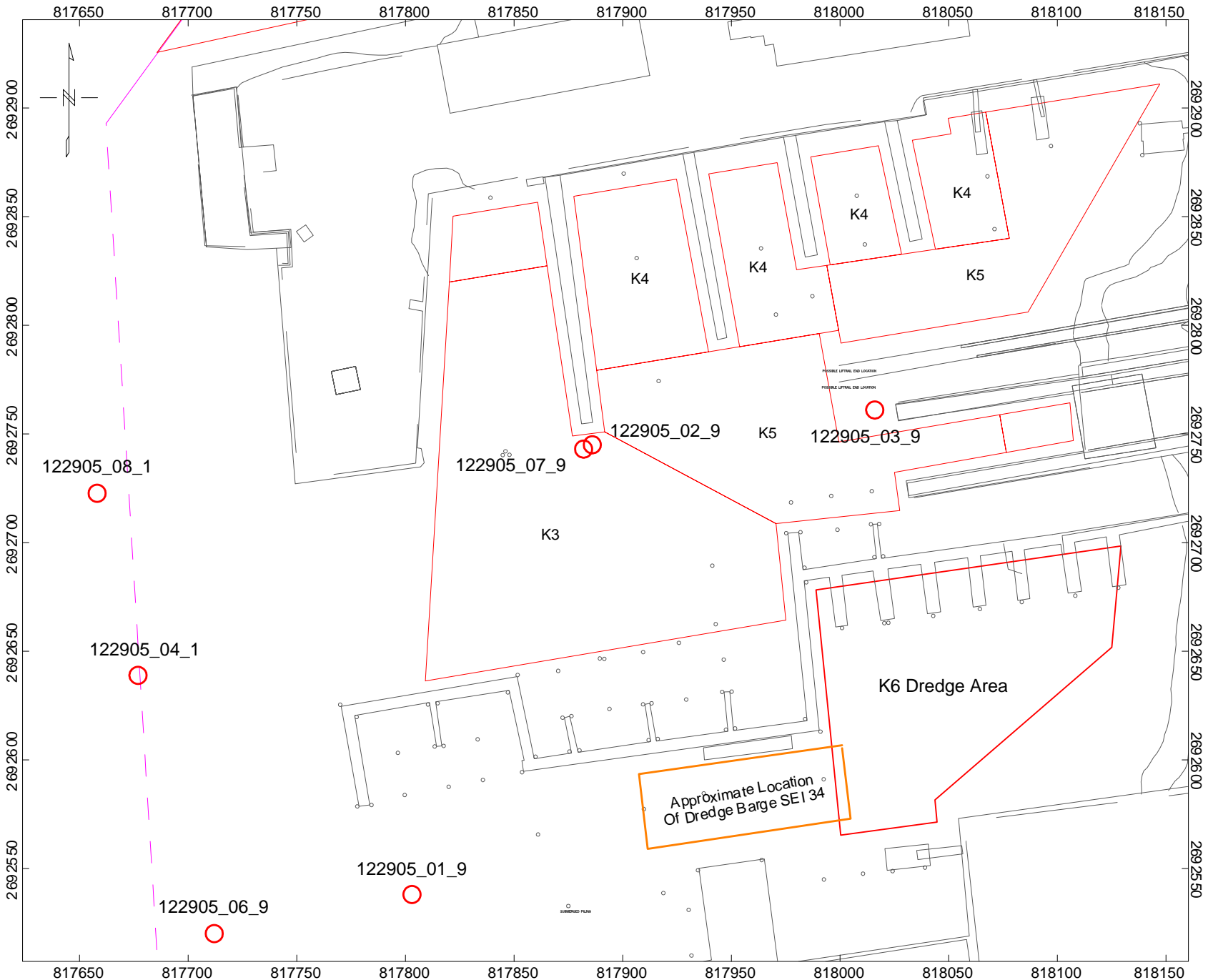




12/29/2005  
 New Bedford Harbor Dredge Project - Phase II - Part 2  
 Water Quality Monitoring - D.N. Kelley (K-6) Excavation Area

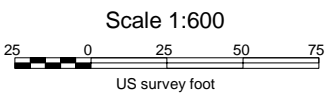
Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 6:00				Current					
<b>Flood Tide</b>	9:01	122905_01_9	817803	Down	5	2.5		Light rain, ~55 deg. F	None
			2692538		10	2.5		Wind 5 kts N	
					15	2.5			
					<b>AVERAGE</b>	<b>2.5</b>	(20.8 Below Permissible Turbidity Increase Limit)		
	9:04	122905_02_9	817886	Down	5	2.8		Light rain, ~55 deg. F	None
			2692745		10	2.8		Wind 5 kts N	
					<b>AVERAGE</b>	<b>2.8</b>	(20.5 Below Permissible Turbidity Increase Limit)		
	9:07	122905_03_9	818016	Down	5	3.0		Light rain, ~55 deg. F	None
			2692761		10	3.0		Wind 5 kts N	
					15	3.0			
					<b>AVERAGE</b>	<b>3.0</b>	(20.2 Below Permissible Turbidity Increase Limit)		
	9:10	122905_04_1	817538	Up	5	3.3		Light rain, ~55 deg. F	None
			2692571	(Background)	10	3.3		Wind 5 kts N	
					15	3.3			
					20	3.3			
					<b>AVERAGE</b>	<b>3.3</b>	<b>23.3</b>		
	10:27	122905_06_9	817712	Down	5	7.0	(Background)	Overcast, ~55 deg. F	None
			2692520		10	6.0		Wind 5 kts N	
					15	6.0			
					18	6.0			
					<b>AVERAGE</b>	<b>6.3</b>	(20.0 Below Permissible Turbidity Increase Limit)		
	10:31	122905_07_9	817882	Down	5	10.5		Overcast, ~55 deg. F	None
			2692743		10	4.0		Wind 5 kts N	
					<b>AVERAGE</b>	<b>7.3</b>	(19.0 Below Permissible Turbidity Increase Limit)		
	10:35	122905_08_1	817440	Up	5	6.5		Overcast, ~55 deg. F	None
			2692564	(Background)	10	6.0		Wind 5 kts N	
					<b>AVERAGE</b>	<b>6.3</b>	<b>26.3</b>		
<b>Low 12:11</b>							(Background)		

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



**LEGEND**

122905\_03\_9 - Water Quality Monitoring Location



**New Bedford Harbor Dredge - Phase II - Part 2**  
**Water Quality Monitoring Locations**  
**D.N. Kelley (K6) Excavation Area**

December 29, 2005

**Apex Environmental, Inc.**

1/4/2006  
**New Bedford Harbor Dredge Project - Phase II - Part 2**  
**Water Quality Monitoring - D.N. Kelley (K-6) Excavation Area**

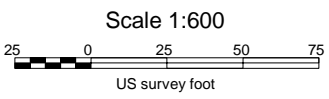
Tide Time	Time	ID	Coordinates	Up/Down Current	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 4:11									
Rising Tide	9:01	010406_00_0	817716.4	Up	5	2.4		Cloudy -25 Deg. F	None
			2692697.3	(Background)	10	2.5		Wind 5-10 Kts. NE	
					15	3.3			
					<b>AVERAGE</b>	<b>2.7</b>	<b>22.7</b>		
	9:46	010406_00_9a	817902.7	Down	5	4.0		Cloudy -25 Deg. F	None
			2692571.6		10	3.5		Wind 5-10 Kts. NE	
					15	2.8			
					<b>AVERAGE</b>	<b>3.4</b>	(19.3 Below Permissible)		
	9:51	010406_00_9b	818033.4	Down	2	3.0	Turbidity Increase Limit	Cloudy -25 Deg. F	None
			2692748.4		8	3.0		Wind 5-10 Kts. NE	
					12	3.0			
					<b>AVERAGE</b>	<b>3.0</b>	(19.7 Below Permissible)		
10:48	010406_01_9a	817906	Down	2	10.5	Turbidity Increase Limit	Cloudy -25 Deg. F	None	
		2692570.8		6	8.0		Wind 5-10 Kts. NE		
				12	2.7				
				<b>AVERAGE</b>	<b>7.1</b>	(15.6 Below Permissible)			
10:51	010406_01_9b	818033.8	Down	5	9.0	Turbidity Increase Limit	Cloudy -25 Deg. F	None	
		2692749.9		10	3.4		Wind 5-10 Kts. NE		
				15	2.9				
				<b>AVERAGE</b>	<b>5.1</b>	(17.6 Below Permissible)			
High 11:08									
Falling Tide	11:52	010406_02_9a	818063.2	Down	2	22.5	Turbidity Increase Limit	Cloudy -25 Deg. F	None
			2692733.1		5	26.0		Wind 5-10 Kts. NE	
					10	3.5			
					<b>AVERAGE</b>	<b>17.3</b>	(5.4 Below Permissible)		
	11:45	010406_02_9b	817882.9	Down	2	6.5	Turbidity Increase Limit	Cloudy -25 Deg. F	None
			2692504.3		6	3.6		Wind 5-10 Kts. NE	
				12	3.1				
				<b>AVERAGE</b>	<b>4.4</b>	(18.3 Below Permissible)			
Low 16:53							Turbidity Increase Limit		

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



**LEGEND**

010406\_00\_0 - Water Quality Monitoring Location



**New Bedford Harbor Dredge - Phase II - Part 2**  
**Water Quality Monitoring Locations**  
**D.N. Kelley (K6) Excavation Area**

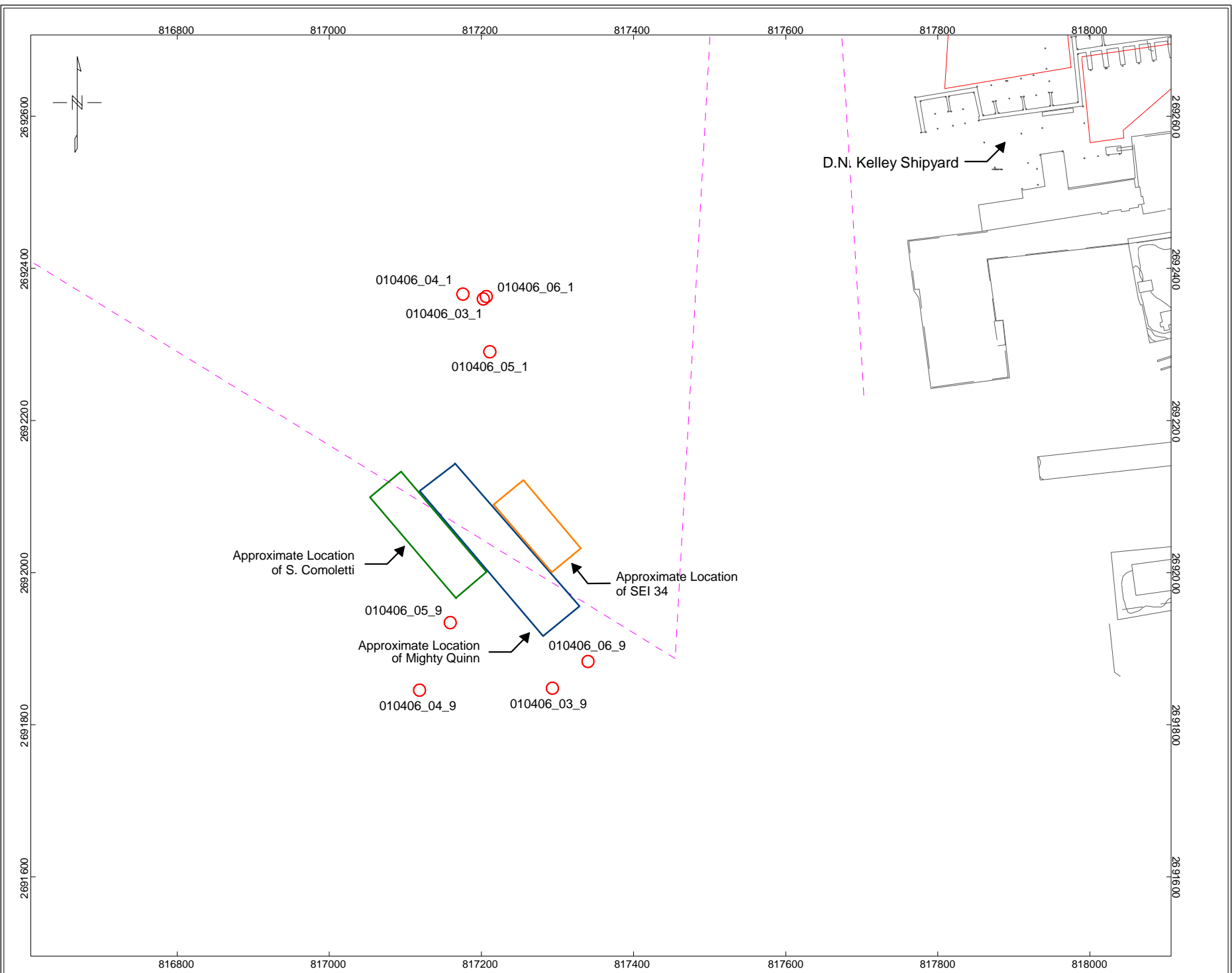
January 4, 2006

**Apex Environmental, Inc.**

1/4/2006  
**New Bedford Harbor Dredge Project - Phase II - Part 2**  
**Water Quality Monitoring - Scow Transfer Area**

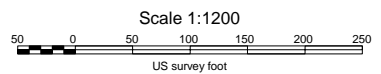
Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 11:08				Current					
Falling Tide	12:48	010406_03_1	817202.4	Up	2	2.7		Cloudy -28 Deg. F	None
			2692359.8	(Background)	5	2.8		Wind 5-10 Kts. NE	
					10	3.6			
					AVERAGE	3.0	23.0		
	12:51	010406_03_9	817293.3	Down	5	2.7		Cloudy -28 Deg. F	None
			2691848.1		15	2.9		Wind 5-10 Kts. NE	
					20	2.4			
					AVERAGE	2.7	(20.3 Below Permissible)		
	13:48	010406_04_1	817175.6	Up	2	2.8	Turbidity Increase Limit	Cloudy -28 Deg. F	None
			2692366.2	(Background)	5	2.6		Wind 5-10 Kts. NE	
					10	3.2			
					AVERAGE	2.8	22.8		
	13:51	010406_04_9	817118.6	Down	5	2.6		Cloudy -28 Deg. F	None
			2691845.5		10	2.9		Wind 5-10 Kts. NE	
					15	2.3			
					AVERAGE	2.6	(20.2 Below Permissible)		
	14:46	010406_05_1	817211	Up	2	2.8	Turbidity Increase Limit	Cloudy -28 Deg. F	None
			2692290.4	(Background)	5	3.3		Wind 5-10 Kts. NE	
					10	2.6			
					AVERAGE	2.9	22.9		
14:50	010406_05_9	817159	Down	5	3.0		Cloudy -28 Deg. F	None	
		2691934.3		10	2.6		Wind 5-10 Kts. NE		
				20	2.5				
				AVERAGE	2.7	(20.2 Below Permissible)			
15:45	010406_06_1	817206.4	Up	2	2.6	Turbidity Increase Limit	Cloudy -28 Deg. F	None	
		2692363	(Background)	5	3.0		Wind 5-10 Kts. NE		
				8	2.9				
				AVERAGE	2.8	22.8			
15:50	010406_06_9	817340.1	Down	5	2.4		Cloudy -28 Deg. F	None	
		2691883.2		10	2.0		Wind 5-10 Kts. NE		
				20	2.3				
				AVERAGE	2.2	(27.9 Below Permissible)			
Low 16:53							Turbidity Increase Limit		

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



**LEGEND**

010406\_04\_9 - Water Quality Monitoring Location



**New Bedford Harbor Dredge - Phase II - Part 2**  
**Water Quality Monitoring Locations**  
**Scow Transfer Area**

January 4, 2006

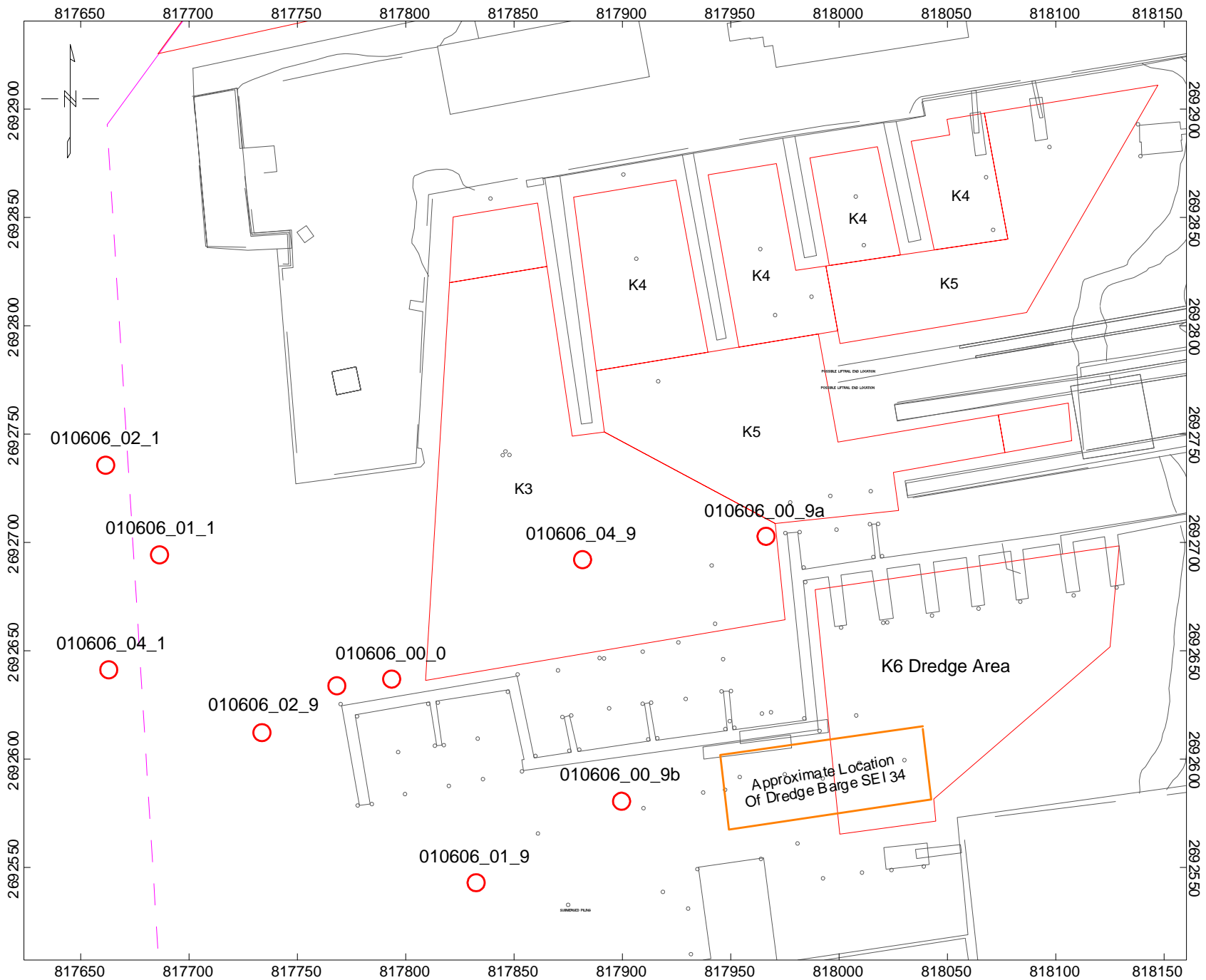
**Apex Environmental, Inc.**

1/6/2006  
**New Bedford Harbor Dredge Project - Phase II - Part 2**  
**Water Quality Monitoring - D.N. Kelley (K-6) Excavation Area**

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 6:30				Current					
<b>Rising Tide</b>	8:45	010606_00_0	817793.5	Up	2	2.0		Cloudy -35 Deg. F	None
			2692636.9	(Background)	6	2.6		Wind 0-5 Kts. NE	
					12	3.8			
					<b>AVERAGE</b>	<b>2.8</b>	<b>22.8</b>		
	9:20	010606_00_9a	817966.3	Down	2	4.5		Cloudy -35 Deg. F	None
			2692702.8		6	4.6		Wind 0-5 Kts. NE	
					12	5.0			
					<b>AVERAGE</b>	<b>4.7</b>	(18.1 Below Permissible)		
	9:27	010606_00_9b	817899.6	Down	2	3.1	Turbidity Increase Limit	Cloudy -35 Deg. F	None
			2692580.5		5	4.0		Wind 0-5 Kts. NE	
					10	4.8			
					<b>AVERAGE</b>	<b>3.9</b>	(18.9 Below Permissible)		
	10:27	010606_01_1	817768.2	Up	2	2.5	Turbidity Increase Limit	Cloudy -35 Deg. F	None
			2692633.8	(Background)	5	2.4		Wind 0-5 Kts. NE	
					15	2.4			
					<b>AVERAGE</b>	<b>2.4</b>	<b>22.4</b>		
	10:30	010606_01_9	817832.5	Down	5	2.5		Cloudy -35 Deg. F	None
			2692642.9		10	4.7		Wind 0-5 Kts. NE	
					15	4.3			
					<b>AVERAGE</b>	<b>3.8</b>	(18.6 Below Permissible)		
	11:23	010606_02_1	817530.6	Up	2	2.9	Turbidity Increase Limit	Cloudy -35 Deg. F	None
			2692676.9	(Background)	5	2.3		Wind 0-5 Kts. NE	
					15	2.7			
					<b>AVERAGE</b>	<b>2.6</b>	<b>22.6</b>		
	11:27	010606_02_9	817833.1	Down	2	3.0		Cloudy -35 Deg. F	None
			2692571.3		5	9.5		Wind 0-5 Kts. NE	
					10	10.5			
					<b>AVERAGE</b>	<b>7.7</b>	(14.9 Below Permissible)		
<b>High 12:59</b>									
<b>Falling Tide</b>	13:35	010606_04_1	817402.1	Up	2	2.2	Turbidity Increase Limit	Cloudy -35 Deg. F	None
			2692604.6	(Background)	6	2.6		Wind 0-5 Kts. NE	
					12	2.7			
					<b>AVERAGE</b>	<b>2.5</b>	<b>22.5</b>		
	13:38	010606_04_9	817881.6	Down	2	18.5		Cloudy -35 Deg. F	None
			2692692		10	4.1		Wind 0-5 Kts. NE	
					15	3.2			
					<b>AVERAGE</b>	<b>8.6</b>	(13.9 Below Permissible)		
<b>Low 18:38</b>							Turbidity Increase Limit		

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.





**LEGEND**

010606\_01\_9 - Water Quality Monitoring Location



**New Bedford Harbor Dredge - Phase II - Part 2**  
**Water Quality Monitoring Locations**  
**D.N. Kelley (K6) Excavation Area**

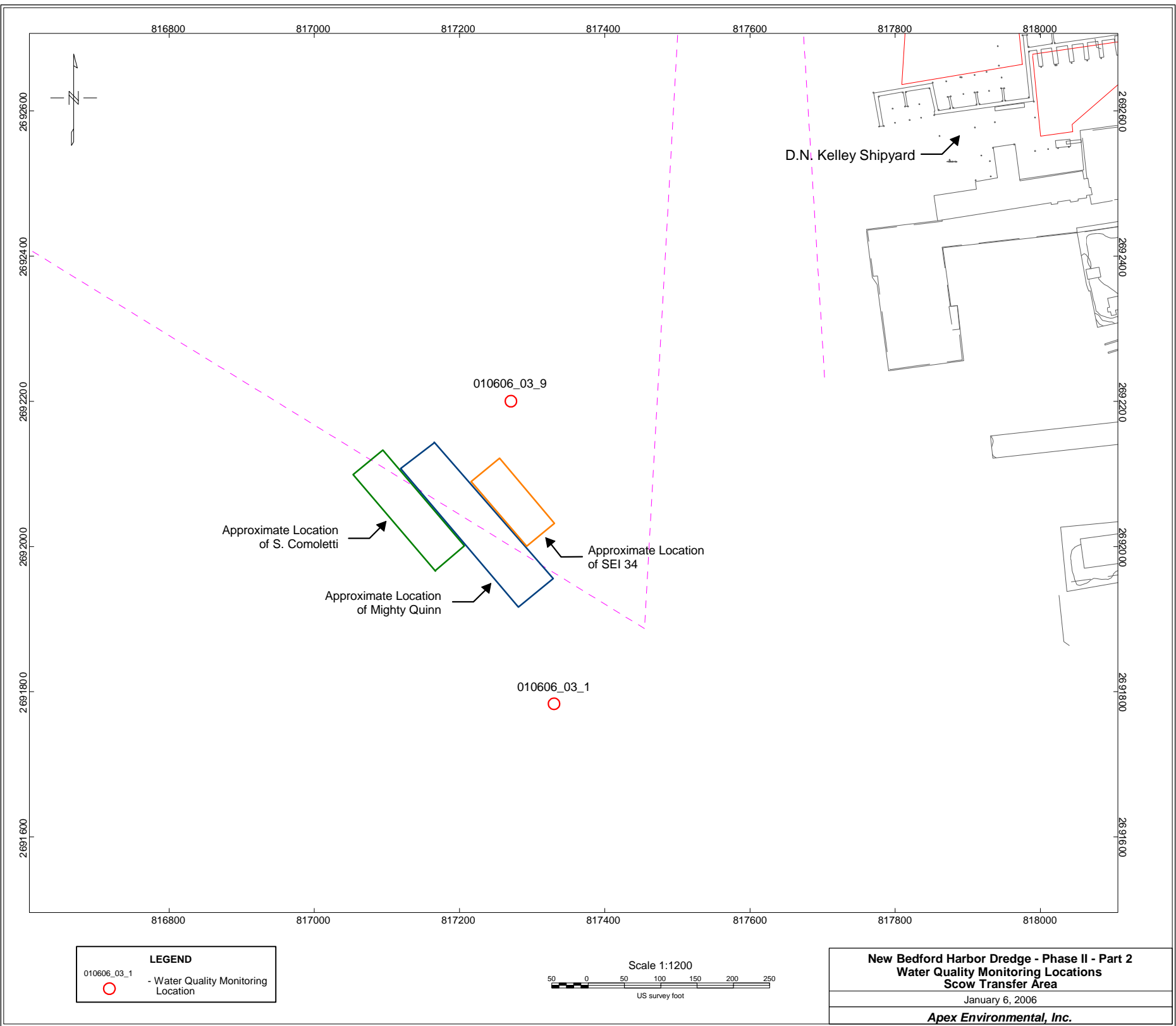
January 6, 2006

**Apex Environmental, Inc.**

1/6/2006  
**New Bedford Harbor Dredge Project - Phase II - Part 2**  
**Water Quality Monitoring - Scow Transfer Area**

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 6:30				Current					
Rising Tide	12:35	010606_03_1	817330.1	Up	5	2.4		Cloudy -35 Deg. F	None
			2691783.4	(Background)	10	2.4		Wind 0-5 Kts. NE	
					20	3.1			
					AVERAGE	2.6	22.6		
	12:39	010606_03_9	817270.7	Down	2	3.4		Cloudy -35 Deg. F	None
			2692200.2		5	2.5		Wind 0-5 Kts. NE	
					10	2.9			
				AVERAGE	2.9	(19.7 Below Permissible Turbidity Increase Limit)			
High 12:59									

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



**LEGEND**

010606\_03\_1 - Water Quality Monitoring Location

Scale 1:1200

50 0 50 100 150 200 250

US survey foot

**New Bedford Harbor Dredge - Phase II - Part 2**

**Water Quality Monitoring Locations**

**Scow Transfer Area**

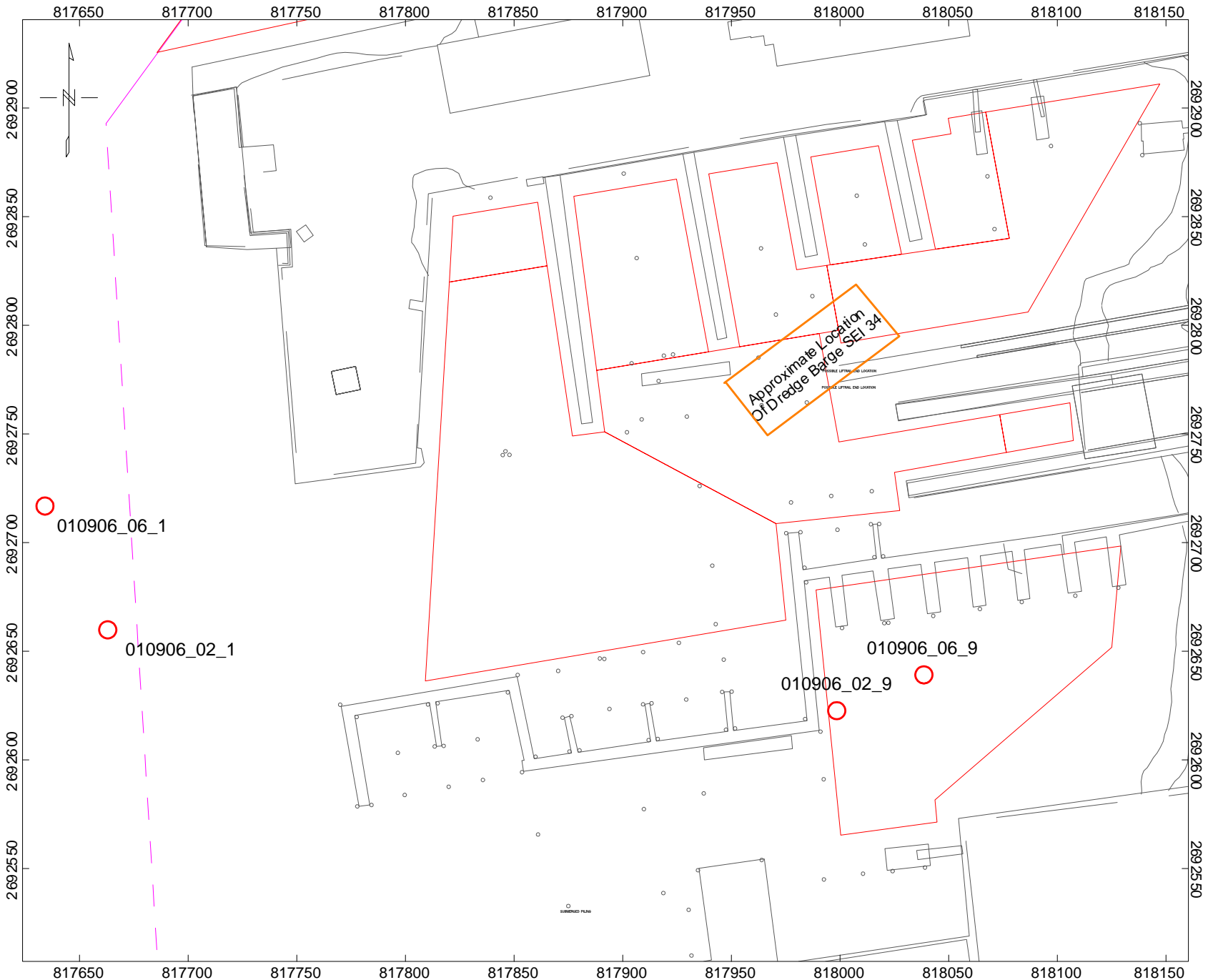
January 6, 2006

**Apex Environmental, Inc.**


1/9/2006  
**New Bedford Harbor Dredge Project - Phase II - Part 2**  
**Water Quality Monitoring - D.N. Kelley (K4) Excavation Area**

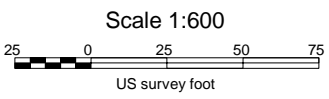
Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 10:32				Current					
Rising Tide	14:42	010906_02_1	817509.7	Up	5	0.5		Clear -50 Deg. F	None
			2692506.5	(Background)	10	0.6		Wind 10-15 Kts. SW	
					15	0.6			
					AVERAGE	0.5	20.5		
	14:50	010906_02_9	817998.5	Down	2	2.8		Clear -50 Deg. F	None
		2692622.6			4	0.3		Wind 10-15 Kts. SW	
					6	0.4			
					AVERAGE	1.2	(19.3 Below Permissible)		
High 16:00									
Falling Tide	16:43	010906_06_1	817634.1	Up	5	3.4	Turbidity Increase Limit	Clear -40 Deg. F	None
			2692716.8	(Background)	10	4.6		Wind 10-15 Kts. SW	
					15	3.6			
					AVERAGE	3.8	23.8		
	16:46	010906_06_9	818038.6	Down	2	11.1		Clear -40 Deg. F	None
		2692639.1			6	8.4		Wind 10-15 Kts. SW	
					12	9.2			
					AVERAGE	9.6	(14.4 Below Permissible)		
Low 21:31							Turbidity Increase Limit		

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



**LEGEND**

010906\_06\_1  
 - Water Quality Monitoring Location



**New Bedford Harbor Dredge - Phase II - Part 2**  
**Water Quality Monitoring Locations**  
**D.N. Kelley (K5) Excavation Area**

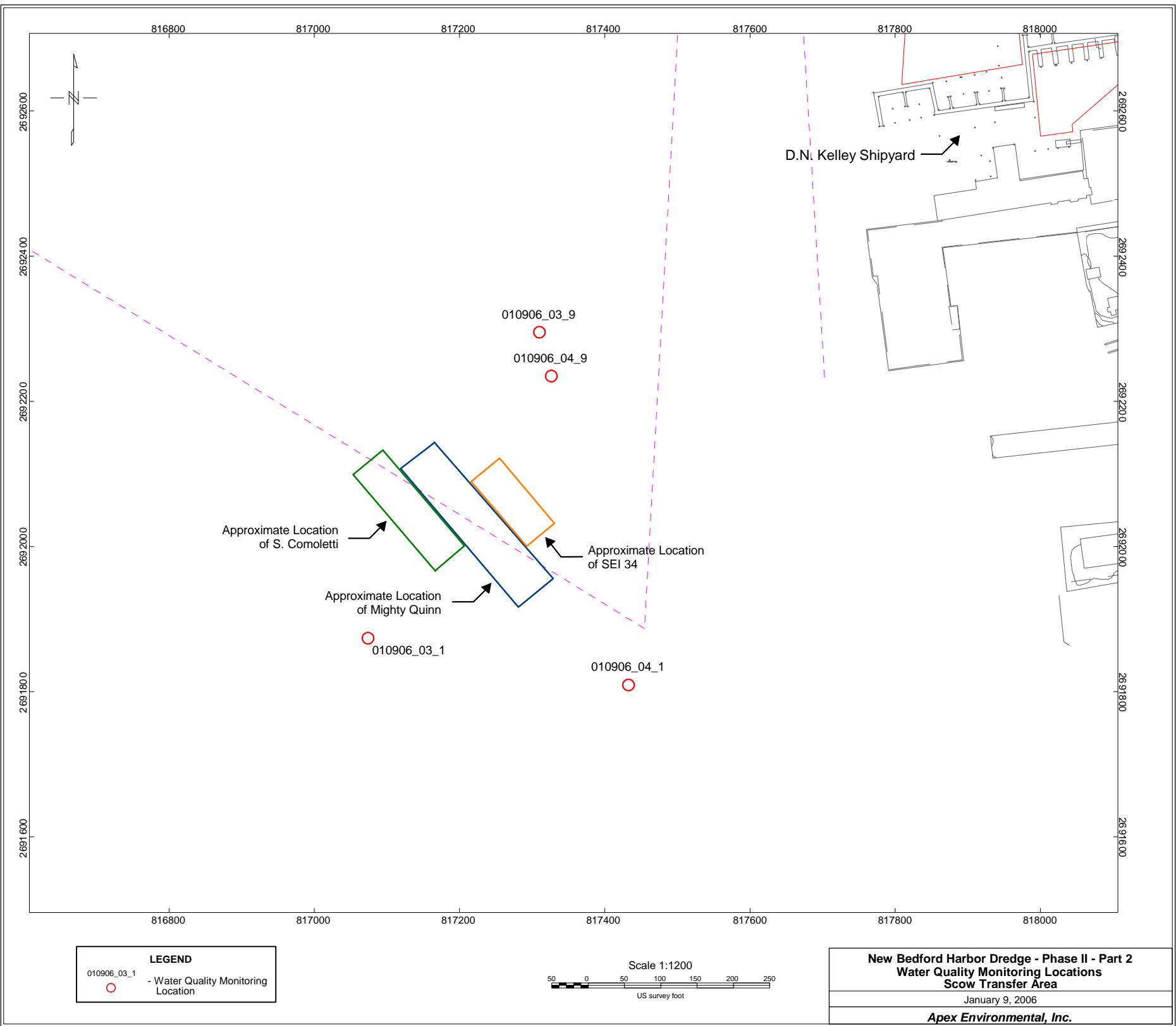
January 9, 2006

**Apex Environmental, Inc.**

1/9/2006  
**New Bedford Harbor Dredge Project - Phase II - Part 2**  
**Water Quality Monitoring - Scow Transfer Area**

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 10:32				Current					
Rising Tide	15:04	010906_03_1	817073.9	Up	2	2.4		Sunny ~45 Deg. F	None
			2691873.8	(Background)	10	2.9		Wind 10-15 Kts. SW	
					20	3.1			
					AVERAGE	2.8	22.8		
	15:08	010906_03_9	817310	Down	2	3.4		Sunny ~45 Deg. F	None
			2692295.3		5	4.6		Wind 10-15 Kts. SW	
					10	4.4			
					AVERAGE	4.1	(18.7 Below Permissible)		
	15:50	010906_04_1	817432.7	Up	5	2.6	Turbidity Increase Limit	Sunny ~45 Deg. F	None
			2691809.3	(Background)	10	3.1		Wind 10-15 Kts. SW	
					15	3.5			
					AVERAGE	3.0	23.0		
15:56	010906_04_9	817326.4	Down	5	4.2		Sunny ~45 Deg. F	None	
		2692234.9		10	4.5		Wind 10-15 Kts. SW		
				15	3.1				
				AVERAGE	3.9	(19.1 Below Permissible)			
High 16:00							Turbidity Increase Limit		

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



**LEGEND**

010906\_03\_1 - Water Quality Monitoring Location

Scale 1:1200

50 0 50 100 150 200 250

US survey foot

**New Bedford Harbor Dredge - Phase II - Part 2**

**Water Quality Monitoring Locations**

**Scow Transfer Area**

January 9, 2006

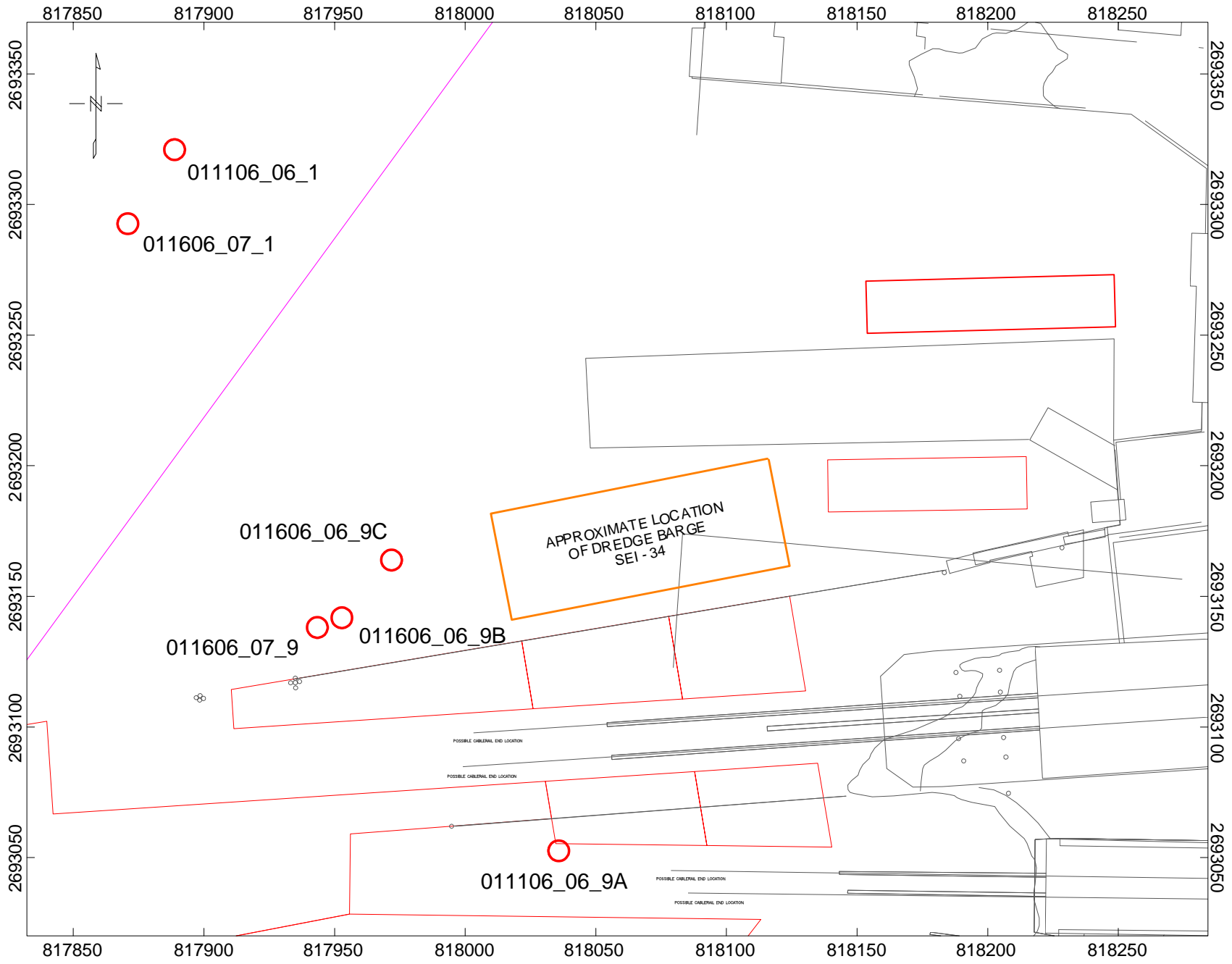
**Apex Environmental, Inc.**

1/11/2006  
**New Bedford Harbor Dredge Project - Phase II - Part 2**  
**Water Quality Monitoring - Warren Alexander Property (A1 + A2)**

Tide Time	Time	ID	Coordinates	Up/Down Current	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
<b>Rising Tide</b>	14:22	011106_06_1	817835	Up	2	5.0		Cloudy ~50 Deg. F	None
			2693326.3	(Background)	6	7.2		Wind 10-15 Kts. SW	
					12	6.4			
					<b>AVERAGE</b>	<b>6.2</b>	<b>26.2</b>		
	14:27	011106_06_9A	818035.8	Down	5	8.1		Cloudy ~50 Deg. F	None
			2693052.6		10	13.3		Wind 10-15 Kts. SW	
					15	9.0			
					<b>AVERAGE</b>	<b>10.1</b>	(16.1 Below Permissible)		
	14:33	011106_06_9B	817952.8	Down	2	5.0	Turbidity Increase Limit)	Cloudy ~50 Deg. F	None
			2693141.8		6	8.2		Wind 10-15 Kts. SW	
					12	11.0			
					<b>AVERAGE</b>	<b>8.1</b>	(18.1 Below Permissible)		
	14:45	011106_06_9C	817971.8	Down	2	19.1	Turbidity Increase Limit)	Cloudy ~50 Deg. F	None
			2693163.9		5	20.0		Wind 10-15 Kts. SW	
					10	18.3			
					<b>AVERAGE</b>	<b>19.1</b>	(7.1 Below Permissible)		
	15:20	011106_07_1	817753.3	Up	1.5	7.4	Turbidity Increase Limit)	Cloudy ~50 Deg. F	None
			2693084.1	(Background)	6.5	6.5		Wind 10-15 Kts. SW	
					10	6.3			
					<b>AVERAGE</b>	<b>6.7</b>	<b>26.7</b>		
	15:26	011106_07_9	817943.4	Down	2	6.2		Cloudy ~50 Deg. F	None
			2693138.1		6	8.2		Wind 10-15 Kts. SW	
					12	9.5			
					<b>AVERAGE</b>	<b>8.0</b>	(18.7 Below Permissible)		
<b>High 17:52</b>							Turbidity Increase Limit)		

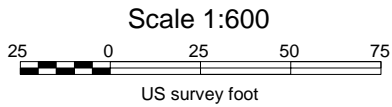
Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.





**LEGEND**

011606\_07\_1 - Water Quality Monitoring Location



**New Bedford Harbor Dredge - Phase II - Part 2**  
**Water Quality Monitoring Locations**  
**Warren Alexander Property**

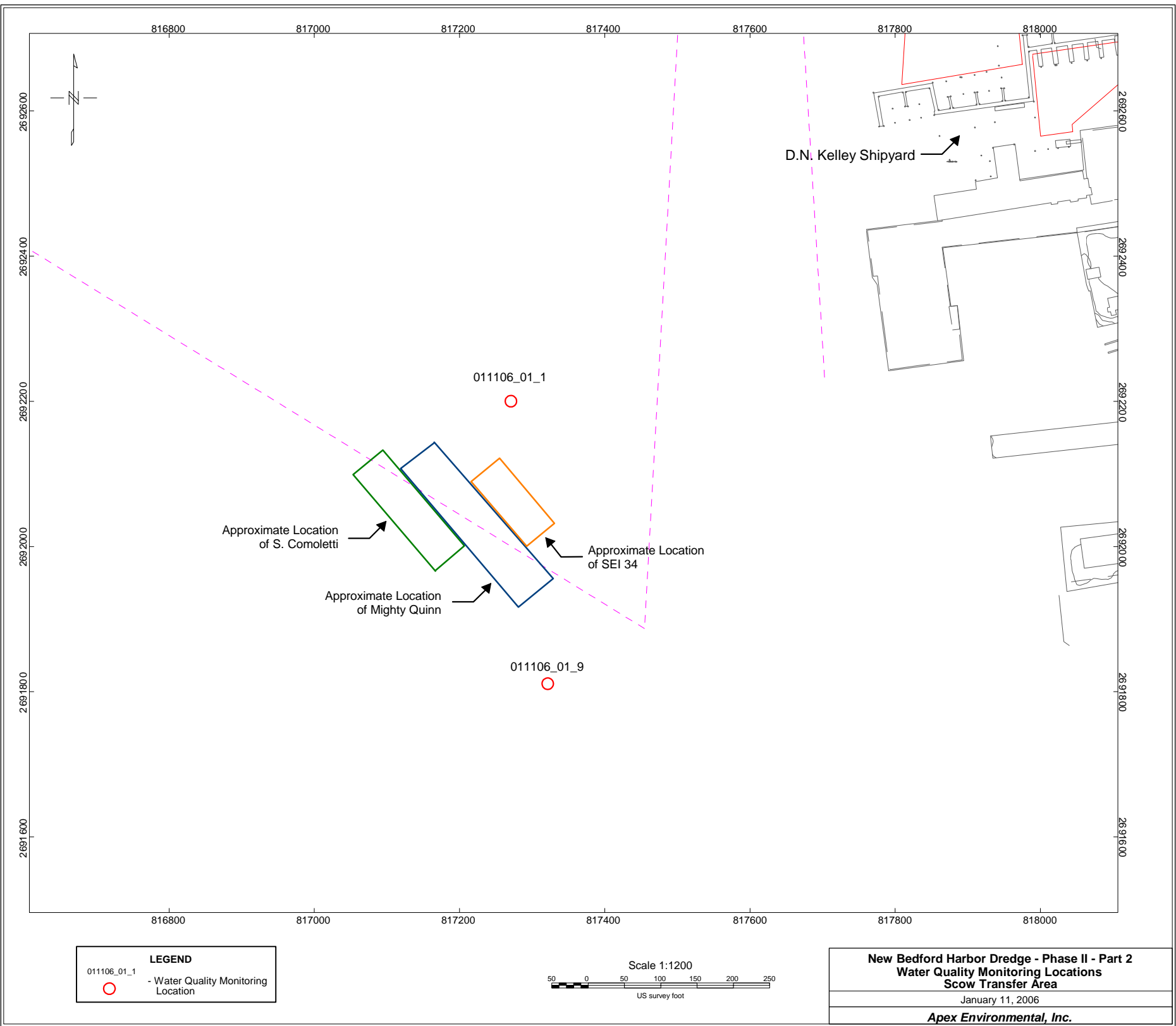
January 11, 2006

**Apex Environmental, Inc.**

1/11/2006  
**New Bedford Harbor Dredge Project - Phase II - Part 2**  
**Water Quality Monitoring - Scow Transfer Area**

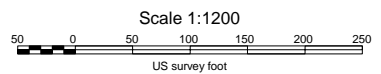
Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 5:31				Current					
Falling Tide	9:35	011106_01_1	817792.1	Up	5	13.5		Cloudy -45 Deg. F	None
			2692659.2	(Background)	10	20.0		Wind 10-15 Kts. SW	
					15	2.1			
					AVERAGE	11.9	31.9		
	9:41	011106_01_9	817321.4	Down	5	9.0		Cloudy -45 Deg. F	None
			2691811.1		10	15.5		Wind 10-15 Kts. SW	
					15	6.0			
				AVERAGE	10.2	(21.7 Below Permissible Turbidity Increase Limit)			
Low 12:08									

Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



**LEGEND**

011106\_01\_1 - Water Quality Monitoring Location



**New Bedford Harbor Dredge - Phase II - Part 2**  
**Water Quality Monitoring Locations**  
**Scow Transfer Area**

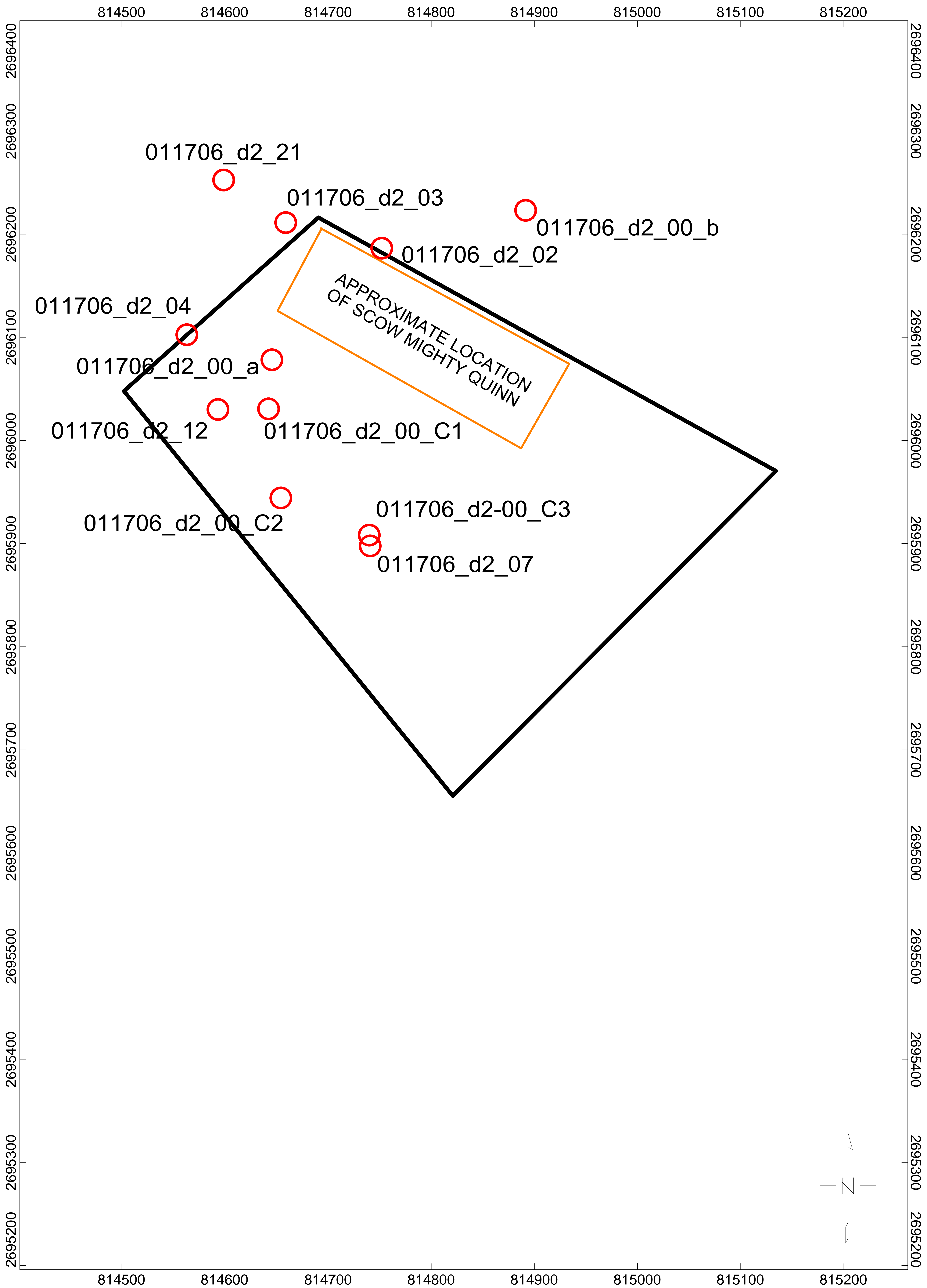
January 11, 2006

**Apex Environmental, Inc.**


1/17/2006  
**New Bedford Harbor Dredge Project - Phase II - Part 2**  
**Water Quality Monitoring - CAD Cell Disposal Area - Disposal # 2**  
**Scow - Mighty Quinn**

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 9:38				Current					
Falling Tide	9:48	011706_d2_00_a	814645.5 2696078.2	Up (Background)	5 10 20	1.1 1.4 1.2		Sunny-30 deg. F Wind 5-15 kts E	None
					<b>AVERAGE</b>	<b>1.2</b>	<b>41.2</b>		
	11:55	011706_d2_00_C1 Cleaning Scow	814642.24 2696030.6	Down	5 10 20	3.2 2.8 1.5	(Background)	Sunny-30 deg. F Wind 5-15 kts E	None
					<b>AVERAGE</b>	<b>2.5</b>	(38.7 Below Permissible)		
	12:11	011706_d2_00_C2 Cleaning Scow	814654.2 2695944.2	Down	5 10 20	4.1 3.2 2.4	Turbidity Increase Limit	Sunny-30 deg. F Wind 5-15 kts E	None
					<b>AVERAGE</b>	<b>3.2</b>	(38.0 Below Permissible)		
	12:19	011706_d2-00_C3 Cleaning Scow	814739.9 2695908.2	Down	5 10 20	5.6 7.5 2.3	Turbidity Increase Limit	Sunny-30 deg. F Wind 5-15 kts E	None
					<b>AVERAGE</b>	<b>5.1</b>	(36.1 Below Permissible)		
	12:32	011706_d2_00_b	814891.5 2696223.1	Up (Background)	5 10 20	6.3 6.6 3.8	Turbidity Increase Limit	Sunny-30 deg. F Wind 5-15 kts E	None
					<b>AVERAGE</b>	<b>5.6</b>	45.6		
	<b>14:43 DISPOSAL STARTED</b>						(Background)		
	14:45	011706_d2_02	814752 2696186.4	Down	5 10 15	1.4 1.3 2.4		Sunny-30 deg. F Wind 5-15 kts E	None
					<b>AVERAGE</b>	<b>1.7</b>	(43.9 Below Permissible)		
	14:46	011706_d2_03	814658.9 2696211.2	Down	5 15 20	1.3 2.0 1.4	Turbidity Increase Limit	Sunny-30 deg. F Wind 5-15 kts E	None
					<b>AVERAGE</b>	<b>1.6</b>	(44.0 Below Permissible)		
	14:47	011706_d2_04	814563 2696102.5	Down	5 10 20	5.0 3.8 3.4	Turbidity Increase Limit	Sunny-30 deg. F Wind 5-15 kts E	None
					<b>AVERAGE</b>	<b>4.1</b>	(41.5 Below Permissible)		
	14:50	011706_d2_07	814740.8 2695897.7	Down	5 15 25	4.3 5.1 5.0	Turbidity Increase Limit	Sunny-30 deg. F Wind 5-15 kts E	None
					<b>AVERAGE</b>	<b>4.8</b>	(40.8 Below Permissible)		
	14:55	011706_d2_12	814593.2 2696030	Down	5 10 20	3.3 13.5 4.3	Turbidity Increase Limit	Sunny-30 deg. F Wind 5-15 kts E	None
					<b>AVERAGE</b>	<b>7.0</b>	(38.6 Below Permissible)		
	15:04	011706_d2_21	814598.7 2696252.5	Down	5 10 20 30	4.2 7.5 24.0 25.0	Turbidity Increase Limit	Sunny-30 deg. F Wind 5-15 kts E	None
					<b>AVERAGE</b>	<b>15.2</b>	(30.4 Below Permissible)		
Low 15:20							Turbidity Increase Limit		

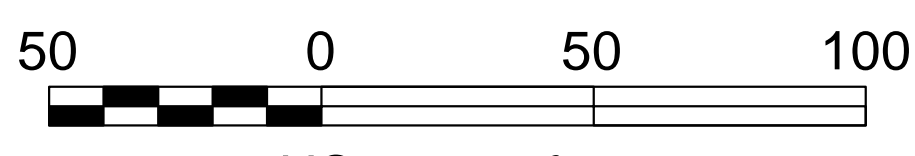
Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



**LEGEND**

011706\_d2\_21  
 - Water Quality Monitoring Location

Scale 1:1200



US survey foot

NAD83(CSRS98) / Massachusetts CS83 Mainland zone

**New Bedford Harbor Dredge - Phase II - Part 2**  
**Water Quality Monitoring Locations**  
**CAD Cell - Disposal Operations**

January 17, 2006

**Apex Environmental, Inc.**

