

1/13/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity	Permissible Turbidity	Weather Conditions	Vessel
High 10:01				Current		(NTUs)	Increase (NTUs)		Traffic
	13:30	050113_00_1_05	N:2694684.583	Up	5	2.3		Foggy, Cold	None
	13:32	050113_00_1_15	E:814715.222	Up	10	1.9		Light N Wind	None
	13:34	050113_00_1_25		Up	25	1.9			None
					<b>AVERAGE</b>	<b>2.0</b>	<b>22.0</b>		
	13:42	050113_00_9_05	N:2694464.650	Down	5	2.4		Foggy, Cold	None
	13:45	050113_00_9_12	E:814525.369	Down	12	2.5		Light N Wind	None
	13:47	050113_00_9_20		Down	20	2.3			None
Low 15:56					<b>AVERAGE</b>	<b>2.4</b>	(19.6 Below Limit)		
	18:44	050113_02_1_05	N:2694258.072	Up	5	2.8		Cloudy, ~40F	None
	18:45	050113_02_1_14	E:814513.105	Up	14	2.7		Light SW Wind	None
	18:50	050113_02_1_22		Up	22	2.4			None
					<b>AVERAGE</b>	<b>2.6</b>	<b>22.6</b>		
	18:56	050113_02_9_05	N:2694824.140	Down	5	2.8		Cloudy, ~40F	None
	18:58	050113_02_9_14	E:814696.050	Down	14	2.8		Light SW Wind	None
	18:59	050113_02_9_25		Down	25	2.7			None
					<b>AVERAGE</b>	<b>2.7</b>	(19.9 Below 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.

1/15/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 4:59				Current					
	6:31	050115_00_1_05	Fish Isl.	Up	5	3.8		Partly Cloudy, 30 Degrees	None
	6:31	050115_00_1_15		Up	10	3.5		E Wind ~5 Knots	None
	6:31	050115_00_1_25		Up	25	3.5			None
					<b>AVERAGE</b>	<b>3.6</b>	<b>23.6</b>		
	8:30	050115_02_1_05	N:2694508.091	Up	5	3.6		Sunny, ~30 Degrees	None
	8:32	050115_02_1_15	E:814661.751	Up	15	3.4		Light Wind	None
	8:33	050114_02_9_25		Up	25	3.1			None
					<b>AVERAGE</b>	<b>3.4</b>	<b>23.4</b>		
	8:35	050115_02_9_05	N:2694088.242	Down	5	6.0		Sunny, ~30 Degrees	None
	8:36	050115_02_9_15	E:814546.150	Down	15	3.8		Light Wind	None
	8:37	050115_02_9_25		Down	25	3.8			None
					<b>AVERAGE</b>	<b>4.5</b>	(18.9 Below Limit)		
	10:48	050115_04_1_05	N:2694758.328	Up	5	4.0		Sunny, ~35 Degrees	None
	10:49	050115_04_1_15	E:814842.285	Up	15	3.6		Light Wind	None
	10:49	050115_04_1_25		Up	25	3.6			None
					<b>AVERAGE</b>	<b>3.7</b>	<b>23.7</b>		
	10:57	050115_04_9_05	N:2694802.673	Down	5	7.5		Sunny, ~35 Degrees	None
	10:58	050115_04_9_15	E:814217.831	Down	25	4.2		Light Wind	None
	10:59	050115_04_9_25		Down	25	4.0			None
					<b>AVERAGE</b>	<b>5.2</b>	(18.5 Below Limit)		
High 11:47									
	12:30	050115_06_1_05	N:2693165.688	Up	5	3.9		Sunny, ~40 Degrees	None
	12:31	050115_06_1_15	E:814634.427	Up	15	4.8		Light Wind	None
	12:32	050115_06_1_25		Up	25	4.0			None
					<b>AVERAGE</b>	<b>4.2</b>	<b>24.2</b>		
	12:35	050115_06_9_05	N:2694546.483	Down	5	8.8		Sunny, ~40 Degrees	None
	12:36	050115_06_9_15	E:814948.512	Down	15	25.3		Light Wind	None
	12:37	050115_06_9_25		Down	25	25.3			None
					<b>AVERAGE</b>	<b>19.8</b>	(4.4 Below Limit)		
	14:30	050115_08_1_05	N:2694702.864	Up	5	3.0		Sunny, ~35 Degrees	None
	14:31	050115_08_1_15	E:814724.210	Up	15	4.0		Light Wind	None
	14:32	050115_08_1_25		Up	25	3.5			None
					<b>AVERAGE</b>	<b>3.5</b>	<b>23.5</b>		
	14:35	050115_08_9_05	N:2694282.427	Down	5	3.6		Sunny, ~35 Degrees	None
	14:36	050115_08_9_15	E:8145222.051	Down	15	6.0		Light Wind	None
	14:37	050115_08_9_25		Down	25	10.5			None
					<b>AVERAGE</b>	<b>6.7</b>	(16.8 Below Limit)		
Low 17:20									

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1/14/2005  
New Bedford Harbor Dredge Project - Phase II  
Water Quality Monitoring

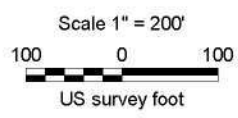
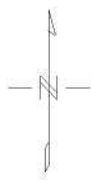
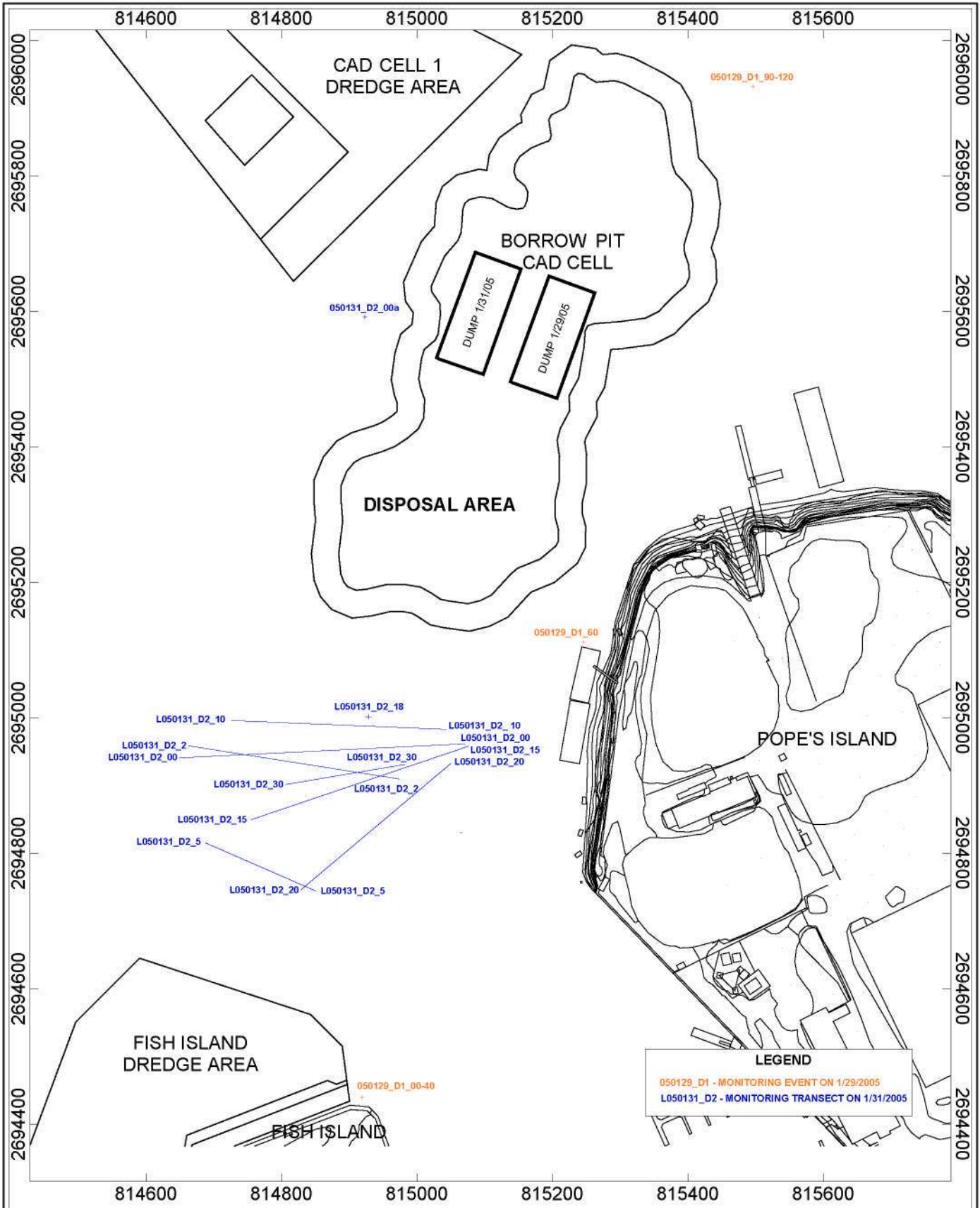
Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity	Permissible Turbidity	Weather Conditions	Vessel
Low 4:03				Current		(NTUs)	Increase (NTUs)		Traffic
	7:02	050114_00_1_05	N:2694928.096	Up	5	2.0		Partly Cloudy, 35 Degrees	None
	7:03	050114_00_1_15	E:814800.127	Up	10	2.1		S Wind ~15 Knots	None
	7:04	050114_00_1_24		Up	24	2.0			None
					<b>AVERAGE</b>	<b>2.0</b>	<b>22.0</b>		
	6:52	050114_00_9_05	N:2695109.669	Down	5	2.5		Partly Cloudy, 35 Degrees	None
	6:53	050114_00_9_10	E:814707.776	Down	10	2.6		S Wind ~15 Knots	None
	6:54	050114_00_9_25		Down	25	2.8			None
					<b>AVERAGE</b>	<b>2.6</b>	<b>(19.4 Below Limit)</b>		
	8:55	050114_02_1_05	N:2694928.158	Up	5	2.4		Cloudy, 25 Degrees	None
	8:55	050114_02_1_15	E:814809.238	Up	15	2.5		Strong S Wind	None
	8:56	050114_02_9_25		Up	25	2.1			None
					<b>AVERAGE</b>	<b>2.3</b>	<b>22.3</b>		
	8:45	050114_02_9_05	N:2695121.846	Down	5	3.5		Cloudy, 25 Degrees	None
	8:46	050114_02_9_15	E:814712.249	Down	15	2.4		Strong S Wind	None
	8:47	050114_02_9_25		Down	25	2.4			None
					<b>AVERAGE</b>	<b>2.8</b>	<b>(19.5 Below Limit)</b>		
High 10:54									
	11:18	050114_04_1_05	N:2694058.155	Up	5	2.4		Cloudy, 35 Degrees	None
	11:19	050114_04_1_15	E:814587.358	Up	15	2.5		Strong W Wind	None
	11:19	050114_04_1_24		Up	24	2.6			None
					<b>AVERAGE</b>	<b>2.5</b>	<b>22.5</b>		
	11:30	050114_04_9_05	N:2694947.400	Down	5	3.4		Cloudy, 35 Degrees	None
	11:32	050114_04_9_18	E:814959.449	Down	18	3.7		Strong W Wind	None
	11:34	050114_04_9_30		Down	30	2.2			None
					<b>AVERAGE</b>	<b>3.1</b>	<b>(19.4 Below Limit)</b>		
	13:01	050114_06_1_05	N:2694775.958	Up	5	3.0		Rainy, 40 Degrees	None
	13:02	050114_06_1_15	E:814755.603	Up	15	3.1		N Wind ~ 15 Knots	None
	13:02	050114_06_1_25		Up	25	2.9			None
					<b>AVERAGE</b>	<b>3.0</b>	<b>23.0</b>		
	13:08	050114_06_9_05	N:2694063.888	Down	5	0.6		Rainy, 40 Degrees	None
	13:09	050114_06_9_15	E:814537.203	Down	15	4.0		N Wind ~ 15 Knots	None
	13:10	050114_06_9_25		Down	25	8.0			None
					<b>AVERAGE</b>	<b>4.2</b>	<b>(18.8 Below Limit)</b>		
	14:55	050114_08_1_05	N:2694957.872	Up	5	6.5		Rainy, 40 Degrees	None
	14:56	050114_08_1_15	E:814713.364	Up	15	4.0		N Wind ~25 Knots	None
	14:57	050114_08_1_25		Up	25	8.0			None
					<b>AVERAGE</b>	<b>6.2</b>	<b>26.2</b>		
	14:47	050114_08_9_05	N:2694087.562	Down	5	11.0		Rainy, 40 Degrees	None
	14:48	050114_08_9_15	E:814445.923	Down	15	10.0		N Wind ~25 Knots	None
	14:49	050114_08_9_25		Down	25	10.0			None
					<b>AVERAGE</b>	<b>10.3</b>	<b>(15.9 Below Limit)</b>		
Low 15:56									
	17:00	050114_10_1_05	N:2694567.491	Up	5	3.6		Rainy, 30 Degrees	None
	17:01	050114_10_1_15	E:814465.444	Up	15	5.8		N Wind ~25 Knots	None
	17:03	050114_10_1_25		Up	25	5.0			None
					<b>AVERAGE</b>	<b>4.8</b>	<b>24.8</b>		
	16:55	050114_10_9_05	N:2694142.560	Down	5	7.0		Rainy, 30 Degrees	None
	16:56	050114_10_9_15	E:814495.665	Down	15	7.1		N Wind ~25 Knots	None
	16:56	050114_10_9_25		Down	25	4.0			None
					<b>AVERAGE</b>	<b>6.0</b>	<b>(18.8 Below Limit)</b>		

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1/21/2005  
New Bedford Harbor Dredge Project - Phase II  
Water Quality Monitoring

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 5:05				Current					
	6:50	050121_00_1_05	N:2694799.971	Up	5	3.1		Clear, ~5 Degrees	None
	6:50	050121_00_1_15	E:814714.437	Up	10	3.3		N Wind ~10 Knots	None
	6:51	050121_00_1_24		Up	24	3.1			None
					<b>AVERAGE</b>	<b>3.1</b>	<b>23.1</b>		
	7:01	050121_00_9_05	N:2694299.223	Down	5	3.0		Clear, ~5 Degrees	None
	7:02	050121_00_9_10	E:814312.363	Down	10	4.1		N Wind ~10 Knots	None
	7:03	050121_00_9_25		Down	25	3.2			None
					<b>AVERAGE</b>	<b>3.4</b>	<b>(19.7 Below Limit)</b>		
	10:08	050121_02_1_05	N:2694752.286	Up	5	1.3		Clear, ~5 Degrees	None
	10:09	050121_02_1_15	E:814846.881	Up	15	1.8		N Wind ~10 Knots	None
	10:10	050121_02_9_25		Up	25	11.5			None
					<b>AVERAGE</b>	<b>4.8</b>	<b>24.8</b>		
	10:15	050121_02_9_05	N:2694422.975	Down	5	3.7		Clear, ~5 Degrees	None
	10:16	050121_02_9_15	E:814648.662	Down	15	8.4		N Wind ~10 Knots	None
	10:17	050121_02_9_25		Down	25	6.8			None
Low 11:30					<b>AVERAGE</b>	<b>6.3</b>	<b>(18.5 Below Limit)</b>		
	12:02	050121_04_1_05	N:2694283.231	Up	5	5.5		Clear, ~10 Degrees	None
	12:03	050121_04_1_15	E:814640.500	Up	15	7.5		N Wind ~10 Knots	None
	12:03	050121_04_1_24		Up	24	5.0			None
					<b>AVERAGE</b>	<b>6.0</b>	<b>26.0</b>		
	12:10	050121_04_9_05	N:2694660.012	Down	5	0.4		Clear, ~10 Degrees	None
	12:11	050121_04_9_18	E:814674.386	Down	18	4.3		N Wind ~10 Knots	None
	12:12	050121_04_9_30		Down	30	9.0			None
					<b>AVERAGE</b>	<b>4.6</b>	<b>(21.5 Below Limit)</b>		
	14:27	050121_06_1_05	N:2694051.928	Up	5	0.9		Clear, ~5 Degrees	None
	14:29	050121_06_1_15	E:814564.621	Up	15	9.0		N Wind ~10 Knots	None
	14:30	050121_06_1_25		Up	25	20.0			None
					<b>AVERAGE</b>	<b>10.0</b>	<b>30.0</b>		
	15:39	050121_06_9_05	N:2694502.328	Down	5	12.5		Clear, ~5 Degrees	None
	15:40	050121_06_9_15	E:814707.350	Down	15	13.0		N Wind ~10 Knots	None
	15:41	050121_06_9_25		Down	25	20.5			None
					<b>AVERAGE</b>	<b>15.3</b>	<b>(14.7 Below Limit)</b>		
	16:22	050121_08_9_05	N:2694562.749	Up	5	3.0		Clear, ~5 Degrees	None
	16:22	050121_08_9_15	E:814661.380	Up	15	4.3		N Wind ~10 Knots	None
	16:23	050121_08_9_25		Up	25	4.5			None
					<b>AVERAGE</b>	<b>3.9</b>	<b>23.9</b>		
	16:14	050121_08_1_05	N:2694197.744	Down	5	7.5		Clear, ~5 Degrees	None
	16:15	050121_08_1_15	E:814572.742	Down	15	9.0		N Wind ~10 Knots	None
	16:16	050121_08_1_25		Down	25	14.0			None
					<b>AVERAGE</b>	<b>10.2</b>	<b>(13.7 Below Limit)</b>		
	16:27	050121_08_9a_05	N:2694197.744	Down	5	12.5		Clear, ~5 Degrees	None
	16:28	050121_08_9a_15	E:814572.742	Down	15	50.0		N Wind ~10 Knots	None
	16:29	050121_08_9a_25		Down	25	57.5			None
					<b>AVERAGE</b>	<b>40.0</b>	<b>(16.1 Above Limit)</b>		
	16:45	050121_08_9b	N:2694197.744	Down	15	20.0		(3.9 Below Limit)	None
High 17:24	17:00	050121_08_9b	E:814572.742	Down	15	15.0		(8.9 Below Limit)	None

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**NEW BEDFORD HARBOR DREDGE - PHASE II**

**WATER QUALITY MONITORING LOCATIONS - DISPOSAL**

**1/29/05 & 1/31/05**

**APEX ENVIRONMENTAL, INC.**



1/29/2005

New Bedford Harbor Dredge Project - Phase II  
Water Quality Monitoring - Disposal Operations

Tide Time	Time	ID	Coordinates	Up/Down Current	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
10:10 High									
	14:55	050129_D1_00	Fish Island	Down	15	6.5		Clear, ~25 Degrees	None
	14:56	050129_D1_00_1	Fish Island	Down	15	6.8		N Wind ~5 Knots	
	<b>15:10</b>	<b>DISPOSAL</b>	<b>STARTED</b>						
					<b>AVERAGE</b>	<b>6.6</b>	<b>46.6</b>		
	15:20	050129_D1_10	Fish Island	Down	15	11.5		Clear, ~25 Degrees	None
					<b>AVERAGE</b>	<b>11.5</b>	(35.1 Below Limit)	N Wind ~5 Knots	
	15:23	050129_D1_20	Fish Island	Down	15	9.0		Clear, ~25 Degrees	None
					<b>AVERAGE</b>	<b>9.0</b>	(38.5 Below Limit)	N Wind ~5 Knots	
	15:35	050129_D1_30	Fish Island	Down	15	7.5		Clear, ~25 Degrees	None
					<b>AVERAGE</b>	<b>7.5</b>	(39.1 Below Limit)	N Wind ~5 Knots	
	15:41	050129_D1_40	Fish Island	Down	15	8.6		Clear, ~25 Degrees	None
					<b>AVERAGE</b>	<b>8.6</b>	(38.0 Below Limit)	N Wind ~5 Knots	
15:51 Low									
	16:15	050129_D1_60	Pope's Island	Down	10	7.8		Clear, ~20 Degrees	None
					<b>AVERAGE</b>	<b>7.8</b>	(38.8 Below Limit)	N Wind ~5 Knots	
	16:23	050129_D1_70	Pope's Island	Up	10	7.5		Clear, ~20 Degrees	None
					<b>AVERAGE</b>	<b>7.5</b>	<b>47.5</b>	NW Wind ~10 Knots	
	16:56	050129_D1_90	N:815431.19 E:2695916.29	Down	6	17.5		Clear, ~15 Degrees	X
	<b>17:00</b>	<b>DISPOSAL</b>	<b>STOPPED</b>					NW Wind ~10 Knots	
	17:02				10	17.5			None
	17:04				15	42.5			None
	17:06				18	17.5			None
					<b>AVERAGE</b>	<b>23.8</b>	(23.7 Below Limit)		
	17:11	050129_D1_120	N:815431.19 E:2695916.29	Down	10	22.5		Clear, ~15 Degrees	None
	<b>17:15</b>	<b>DISPOSAL</b>	<b>CONTINUED</b>					NW Wind ~10 Knots	
					<b>AVERAGE</b>	<b>22.5</b>	(25 Below Limit)		
	17:27	050129_D1_140	N:815431.19	Down	10	15.0		Clear, ~12 Degrees	X
	17:58		E:2695916.29	Down	10	25.0		NW Wind ~10 Knots	
					<b>AVERAGE</b>	<b>20.0</b>	(27.5 Below Limit)		

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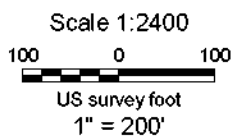
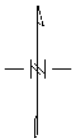
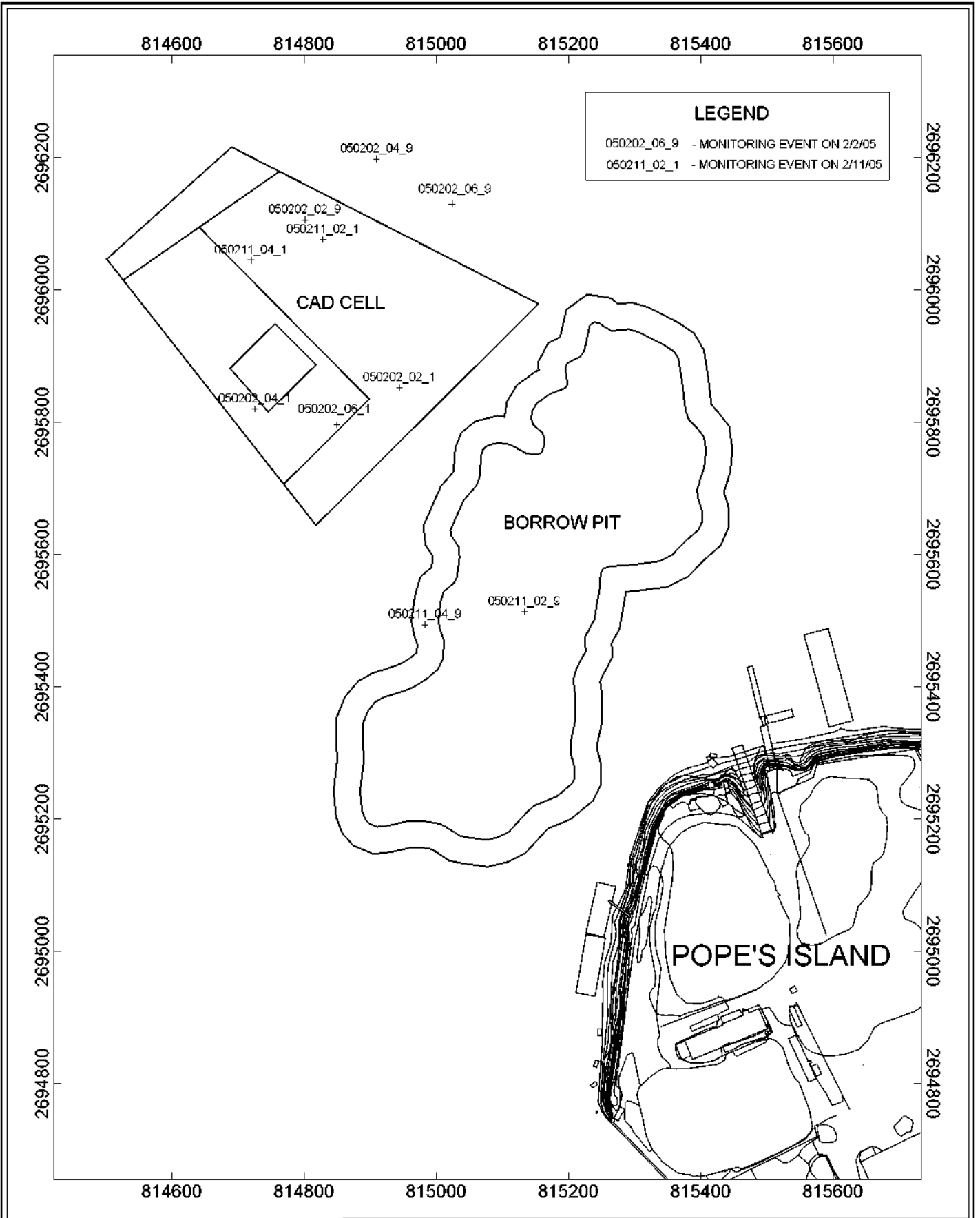
1/31/2005

New Bedford Harbor Dredge Project - Phase II  
Water Quality Monitoring - Disposal Operations

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
15:51 Low				Current					
	16:08	050131_D2_00	W-E Transect	Down	10	4.0		Clear, ~40 Degrees	None
	16:12				20	4.5		N Wind ~5 Knots	None
	16:16				20	3.9			None
					<b>AVERAGE</b>	<b>4.1</b>	<b>44.1</b>		
	16:20	050131_D2_00a	GPS Target 1621	Down	5	4.9		Clear, ~40 Degrees	None
					15	4.0		N Wind ~5 Knots	
	<b>16:23</b>	<b>DUMPING</b>	<b>STARTED</b>		25	3.6			
					<b>AVERAGE</b>	<b>4.2</b>	<b>44.2</b>		
	16:24	050131_D2_2	W-E Transect	Down	20	4.3		Clear, ~35 Degrees	None
					<b>AVERAGE</b>	<b>4.3</b>	(39.9 Below Limit)	N Wind ~5 Knots	
	16:28	050131_D2_5	E-W Transect	Down	25	3.8		Clear, ~35 Degrees	None
					<b>AVERAGE</b>	<b>3.8</b>	(40.4 Below Limit)	N Wind ~5 Knots	
	16:32	050131_D2_10	W-E Transect	Down	15	4.3		Clear, ~30 Degrees	None
					<b>AVERAGE</b>	<b>4.3</b>	(39.9 Below Limit)	N Wind ~5 Knots	
	16:35	050131_D2_15	E-W Transect	Down	5	3.8		Clear, ~30 Degrees	None
					15	4.1		N Wind ~5 Knots	
					25	3.6			
					<b>AVERAGE</b>	<b>3.8</b>	(40.4 Below Limit)		
	16:37	050131_D2_18	W-E Transect	In Sheen	5	5.0		Clear, ~30 Degrees	None
					15	4.2		N Wind ~5 Knots	
					25	3.8			
					<b>AVERAGE</b>	<b>4.3</b>	(39.9 Below Limit)		
	16:40	050131_D2_20	W-E Transect	Down	20	4.5		Clear, ~30 Degrees	None
					<b>AVERAGE</b>	<b>4.5</b>	(39.7 Below Limit)	N Wind ~5 Knots	
	16:47	050131_D2_30	E-W Transect	Down	35	3.8		Clear, ~30 Degrees	None
					<b>AVERAGE</b>	<b>3.8</b>	(40.4 Below Limit)	N Wind ~5 Knots	

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.





**NEW BEDFORD HARBOR DREDGE - PHASE II**

**WATER QUALITY MONITORING LOCATIONS**  
**2/5/05 & 2/11/05**

**APEX ENVIRONMENTAL, INC.**

2/2/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 5:41	10:27	050202_02_1	2695852.23 814944.175	Up	5	5.8		Clear, ~38 Degrees NE Wind ~10 Knots	None
					10	4.3			
					25	3.3			
						<b>AVERAGE</b>	<b>4.4</b>	<b>24.4</b>	
	10:32	050202_02_9	2696106.339 814801.221	Down	5	7.5		Clear, ~38 Degrees NE Wind ~10 Knots	None
					10	11.3			
					25	50.0			
						<b>AVERAGE</b>	<b>22.9</b>	(1.5 Below Limit)	
	12:42	050202_04_1	2695820.376 814725.721	Up	5	2.0		Clear, ~40 Degrees NE Wind ~10 Knots	None
					15	3.4			
					25	3.0			
						<b>AVERAGE</b>	<b>2.8</b>	<b>22.8</b>	
12:47	050202_04_9	2696198.18 814909.93	Down	5	20.0		Clear, ~40 Degrees NE Wind ~10 Knots	None	
				15	15.0				
				25	15.0				
					<b>AVERAGE</b>	<b>16.7</b>	(6.1 Below Limit)		
High 13:23	14:32	050202_06_1	2694283.231 814925.126	Up	5	15.0		Clear, ~40 Degrees NE Wind ~10 Knots	None
					15	30.0			
					25	7.5			
						<b>AVERAGE</b>	<b>17.5</b>	<b>32.5</b>	
	14:27	050202_06_9	2694333.149 814836.066	Down	5	3.8		Clear, ~40 Degrees NE Wind ~10 Knots	None
					15	5.6			
					25	7.5			
					<b>AVERAGE</b>	<b>5.6</b>	(26.9 Below Limit)		

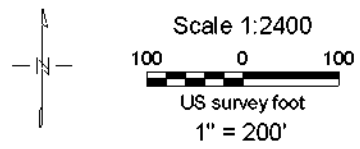
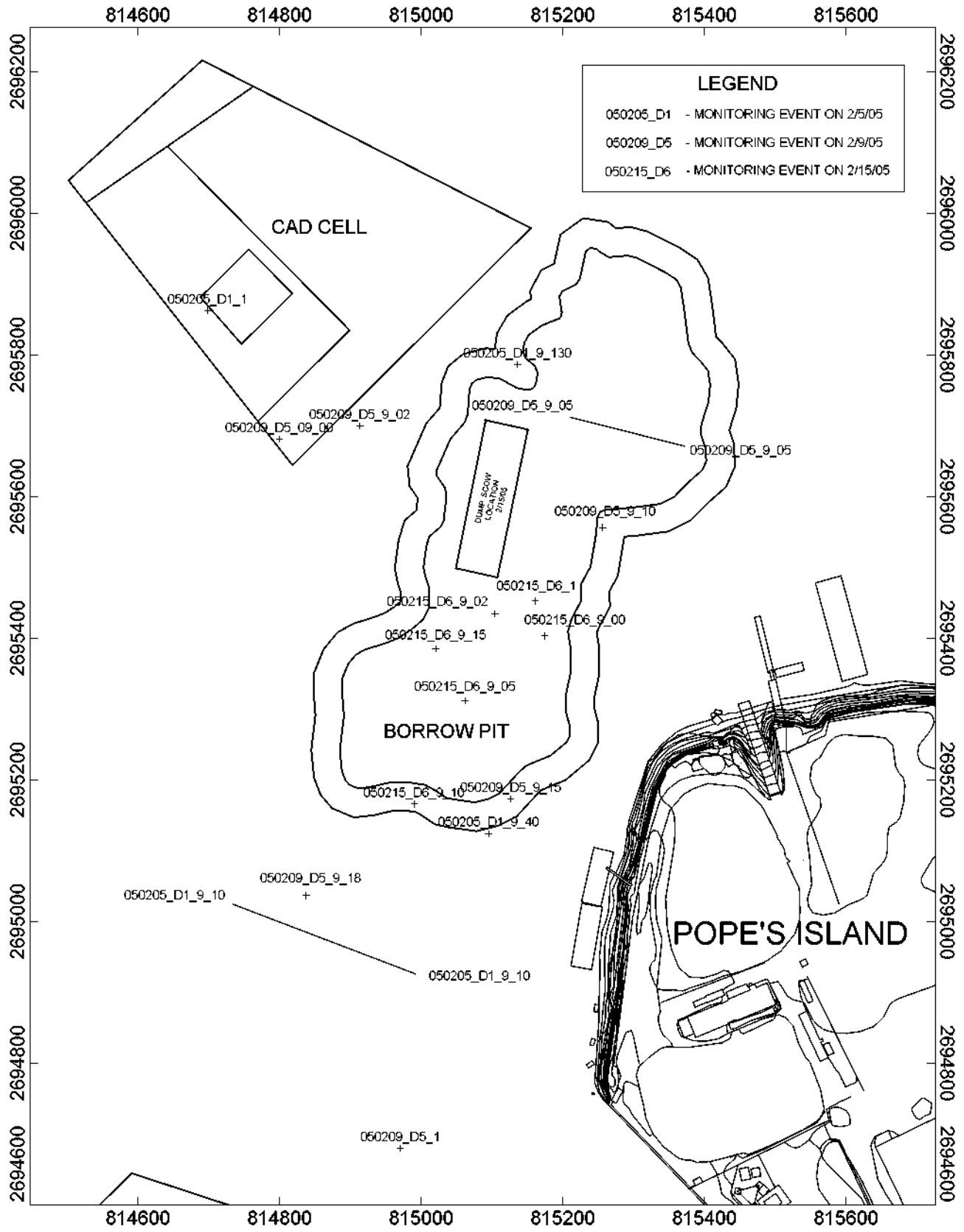
Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.

2/11/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 9:38				Current					
	9:39	050211_02_1	2696076.16	Up	5	6.5		Sunny, ~28 Degrees	None
			814828.76		10	11.0		NW Wind ~25 knots	None
					25	12.5			None
					<b>AVERAGE</b>	<b>10.0</b>	<b>30.0</b>		
	9:46	050211_02_9	2695513.409	Down	5	8.5		Sunny, ~28 Degrees	None
			815133.267		10	6.5		NW Wind ~25 knots	None
					25	14.0			None
					<b>AVERAGE</b>	<b>9.7</b>	(20.3 below limit)		
	12:03	050211_04_1	2696045.05	Up	5	5.3		Sunny, ~30 Degrees	None
			814719.637		15	5.5		NW Wind ~20 knots	None
					25	7.0			None
					<b>AVERAGE</b>	<b>5.9</b>	<b>25.9</b>		
	12:09	050211_04_9	2695494.165	Down	5	16.0		Sunny, ~30Degrees	None
			814983.059		15	19.0		NW Wind ~20 knots	None
					25	7.5			None
Low 15:21					<b>AVERAGE</b>	<b>14.2</b>	(11.7 below 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.





**NEW BEDFORD HARBOR DREDGE - PHASE II**

**WATER QUALITY MONITORING LOCATIONS - DISPOSAL**

**2/5/05, 2/9/05, 2/15/05**

**APEX ENVIRONMENTAL, INC.**

2/5/2005

New Bedford Harbor Dredge Project - Phase II  
Water Quality Monitoring - Disposal Operations

Tide Time	Time	ID	Coordinates	Up/Down Current	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic	
High 4:16	8:57	050205_D1_1	2695862.702 814698.099	Up	5 10 22	2.7 2.5 4.0		Sunny, ~40 Deg. F N Wind ~10 knots	None	
					<b>AVERAGE</b>	<b>3.1</b>	<b>43.1</b>			
	9:29	050205_D1_9_10	2694917.407 815014.323	Down	5 15 25	4.0 5.0 4.0		Sunny, ~40 Deg. F N Wind ~10 knots	None	
					<b>AVERAGE</b>	<b>4.3</b>	(38.8 below limit)			
	10:00	050205_D1_9_40	2695124.451 815094.917	Down	20 20	4.0 6.0		Sunny, ~40 Deg. F N Wind ~10 knots	None	
					<b>AVERAGE</b>	<b>5.0</b>	(38.1 below limit)			
	Low 10:41									
		11:26	050205_D1_9_130	2695786.73 815135.959	Down	10	35.0		Sunny, ~40 Deg. F N Wind ~10 knots	None
						<b>AVERAGE</b>	<b>35.0</b>	(8.1 Below 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.

2/9/2005

New Bedford Harbor Dredge Project - Phase II  
Water Quality Monitoring - Disposal Operations

Tide Time	Time	ID	Coordinates	Up/Down Current	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 8:00									
	7:13	050209_D5_1	2694680.246	Up	5	2.8		Overcast, ~35 Deg.	None
			814970.38		10	2.5		Minimal wind	
					25	2.5			
	<b>7:33</b>	<b>DISPOSAL</b>	<b>STARTED</b>						
					<b>AVERAGE</b>	<b>2.6</b>	<b>42.6</b>		
	7:34	050209_D5_09_00	2695681.191	Down	5	3.4		Overcast, ~35 Deg.	None
			814799.558		10	3.3		Minimal wind	
					25	2.6			
					<b>AVERAGE</b>	<b>3.1</b>	<b>(39.5 Below Limit)</b>		
	7:36	050209_D5_9_02	2695700.186	Down	15	2.4		Overcast, ~35 Deg.	None
			814913.321		25	2.6		Minimal wind	
					<b>AVERAGE</b>	<b>2.5</b>	<b>(40.1 Below Limit)</b>		
	7:39	050209_D5_9_05	2695714.257	Down	15	3.1		Overcast, ~35 Deg.	None
			815195.677		25	3.3		Minimal wind	
					<b>AVERAGE</b>	<b>3.2</b>	<b>(39.4 Below Limit)</b>		
	7:42	050209_D5_9_10	2695556.76	Down	15	2.8		Overcast, ~35 Deg.	None
			815255.975		25	3.1		Minimal wind	
					<b>AVERAGE</b>	<b>2.9</b>	<b>(39.7 Below Limit)</b>		
	7:45	050209_D5_9_15	2695173.254	Down	5	3.8		Overcast, ~35 Deg.	None
			815126.475		15	7.0		Minimal wind	
					25	13.0			
					<b>AVERAGE</b>	<b>7.9</b>	<b>(34.7 Below Limit)</b>		
	7:48	050209_D5_9_18	2692864.793	Down	5	2.9		Overcast, ~35 Deg.	None
			815041.977		15	3.6		Minimal wind	
					25	2.8			
					<b>AVERAGE</b>	<b>3.1</b>	<b>(39.5 Below Limit)</b>		
Low 14:03									

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.



2/15/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - Disposal Operations

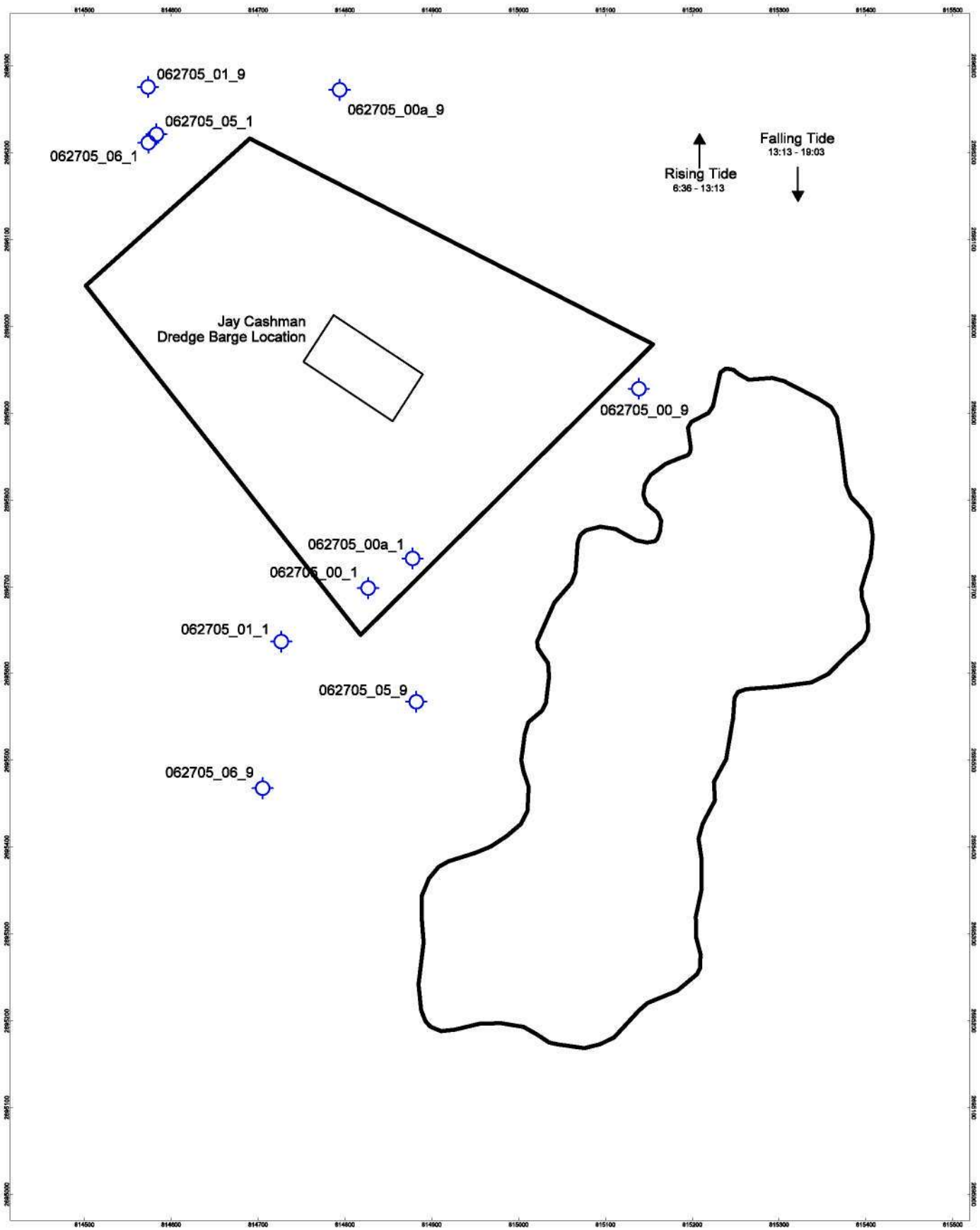
Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 13:54	15:42	050215_D6_1	2695452.865	Up	5	1.0		Clear, ~45 Degrees	None
			815161.014	Up	15	1.5		W Wind ~10 Knots	
				Up	25	2.8			
					<b>AVERAGE</b>	<b>1.8</b>	<b>41.8</b>		
	<b>15:53</b>	<b>DISPOSAL</b>	<b>STARTED</b>						
	15:53	050215_D6_9_00	2695440.594	Down	5	0.3		Clear, ~45 Degrees	None
			815142.875					W Wind ~10 Knots	
					<b>AVERAGE</b>	<b>0.3</b>	<b>(41.5 Below Limit)</b>		
	15:54	050215_D6_9_02	2695440.346	Down	5	0.7		Clear, ~45 Degrees	None
			815106.431		10	4.0		W Wind ~10 Knots	
					15	2.6			
					20	8.5			
					25	10.0			
					<b>AVERAGE</b>	<b>5.2</b>	<b>(36.6 Below Limit)</b>		
	15:59	050215_D6_9_05	2695312.5	Down	5	6.0		Clear, ~45 Degrees	None
			815061.745		10	8.0		W Wind ~10 Knots	
					15	9.0			
					20	11.5			
					25	10.5			
					30	10.0			
				15	11.5				
				10	9.0				
				5	7.0				
				<b>AVERAGE</b>	<b>9.2</b>	<b>(32.6 Below Limit)</b>			
16:01	050215_D6_9_10	2695166.249	Down	5	6.5		Clear, ~45 Degrees	None	
		814989.849		10	7.3		W Wind ~10 Knots		
				15	10.0				
				20	10.5				
				25	10.0				
				30	8.0				
				20	11.8				
				15	8.5				
				10	7.0				
				5	6.0				
				<b>AVERAGE</b>	<b>8.6</b>	<b>(33.2 Below Limit)</b>			
16:05	050215_D6_9_15	2695385.098	Down	5	6.8		Clear, ~45 Degrees	None	
		815020.248		10	7.0		W Wind ~5 Knots		
				15	7.5				
				20	6.5				
				25	10.5				
				30	11.9				
				25	13.0				
				20	6.5				
				15	27.5				
				10	7.3				
				5	6.3				
Low 18:54					<b>AVERAGE</b>	<b>10.1</b>	<b>(31.7 Below Limit)</b>		

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

**6/27/2005**  
**New Bedford Harbor Dredge Project - Phase II**  
**Water Quality Monitoring - CAD Cell Excavation Area**

Tide Time	Time	ID	Coordinates	Up/Down Current	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 6:36									
Rising Tide	7:39	062705_00_1 (Background)	814882.29 2695567.46	Up	5	2.3		Sunny, ~82 Degrees W Wind 0-5 knots	None
					10	2.8			
					15	2.8			
					20	2.3			
					25	2.2			
					30	2.5			
					<b>AVERAGE</b>	<b>2.5</b>	<b>22.5</b>		
	7:47	062705_00_9	814793.96 2696272.35	Down	5	7.0		Sunny, ~82 Degrees W Wind 0-5 knots	None
					10	4.3			
					15	2.6			
					20	2.5			
					25	2.8			
					30	4.3			
					<b>AVERAGE</b>	<b>3.9</b>	<b>(18.6 Below Limit)</b>		
	12:13	062705_00a_1 (Background)	814726.76 2695636.82	Up	5	2.8		Sunny, ~85 Degrees W Wind 1-5 knots	None
					10	3.5			
					15	2.4			
					20	2.1			
					25	2.2			
					30	8.5			
					<b>AVERAGE</b>	<b>3.6</b>	<b>23.6</b>		
	12:21	062705_00a_9	814573.74 2696211.51	Down	5	2.6		Sunny, ~85 Degrees W Wind 1-5 knots	None
					10	2.1			
					15	5.6			
				20	4.9				
				25	5.0				
				30	5.0				
				<b>AVERAGE</b>	<b>4.2</b>	<b>(19.4 Below Limit)</b>			
12:33	062705_01_1 (Background)	814878.05 2695732.56	Up	5	2.9		Sunny, ~85 Degrees W Wind 1-5 knots	None	
				10	2.8				
				15	2.6				
				20	2.4				
				25	2.6				
				30	4.0				
				<b>AVERAGE</b>	<b>2.9</b>	<b>22.9</b>			
12:40	062705_01_9	814573.31 2696275.65	Down	5	2.7		Sunny, ~85 Degrees W Wind 1-5 knots	None	
				10	2.8				
				15	3.0				
				20	5.8				
				25	6.3				
				30	5.5				
				<b>AVERAGE</b>	<b>4.3</b>	<b>(18.6 Below Limit)</b>			
High 13:13									
Falling Tide	14:18	062705_05_1 (Background)	814583.06 2696221.14	Up	5	3.1		Sunny, ~85 Degrees W Wind 1-5 knots	None
					10	3.3			
					15	3.2			
					20	4.8			
					25	6.8			
					30	6.3			
					<b>AVERAGE</b>	<b>4.6</b>	<b>24.6</b>		
	14:10	062705_05_9	814789.66 269578.51	Down	5	2.5		Sunny, ~85 Degrees W Wind 1-5 knots	None
					10	5.5			
					15	10.0			
					20	24.0			
					25	6.5			
					30	5.0			
					<b>AVERAGE</b>	<b>8.9</b>	<b>(15.7 Below Limit)</b>		
	15:40	062705_06_1 (Background)	814782.92 269618.36	Up	5	3.2		Sunny, ~85 Degrees S Wind 5-10 knots	None
					10	2.9			
					15	6.1			
					20	6.5			
					25	15.5			
					30	17.0			
					<b>AVERAGE</b>	<b>8.5</b>	<b>28.5</b>		
	15:48	062705_06_9	814705.34 2695467.98	Down	5	4.2		Sunny, ~85 Degrees S Wind 5-10 knots	None
					10	6.3			
					15	8.0			
				20	8.5				
				25	7.8				
				30	10.0				
				<b>AVERAGE</b>	<b>7.5</b>	<b>(21.0 Below Limit)</b>			
Low 19:03									

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.



**06/27/05 Dredge Operations Water Quality**  
**CAD Cell Area Water Quality Monitoring Locations**  
 Water Quality Stations  
**Apex Environmental, Inc.**



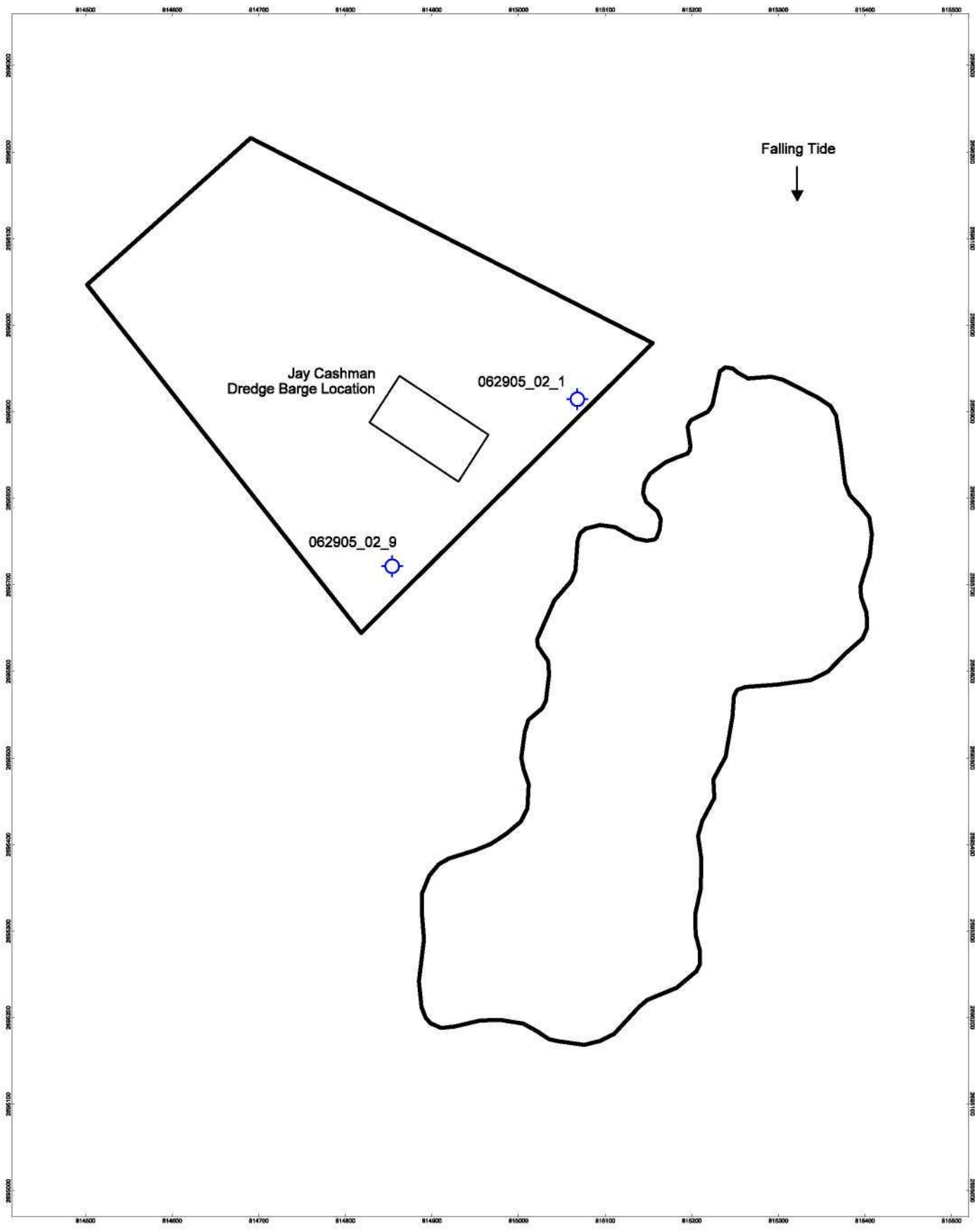
6/29/2005

New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - CAD Cell Excavation Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 2:33				Current					
Falling Tide	8:16	062905_02_1 (Background)	814854.04 2695721.48	Up	5	4.9		Sunny, ~80 Degrees	None
					10	4.8		W Wind 5-10 knots	
					15	6.3			
					20	11.0			
					25	4.7			
					30	4.3			
					<b>AVERAGE</b>	<b>6.0</b>	<b>26.0</b>		
	8:22	062905_02_9	815067.86 2695914.44	Down	5	14.0		Sunny, ~80 Degrees	None
					10	24.0		W Wind 5-10 knots	
					15	10.5			
				20	12.5				
				25	13.5				
				30	15.0				
Low 8:26					<b>AVERAGE</b>	<b>14.9</b>	11.1 NTUs		

Below Permissible  
 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.

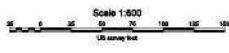
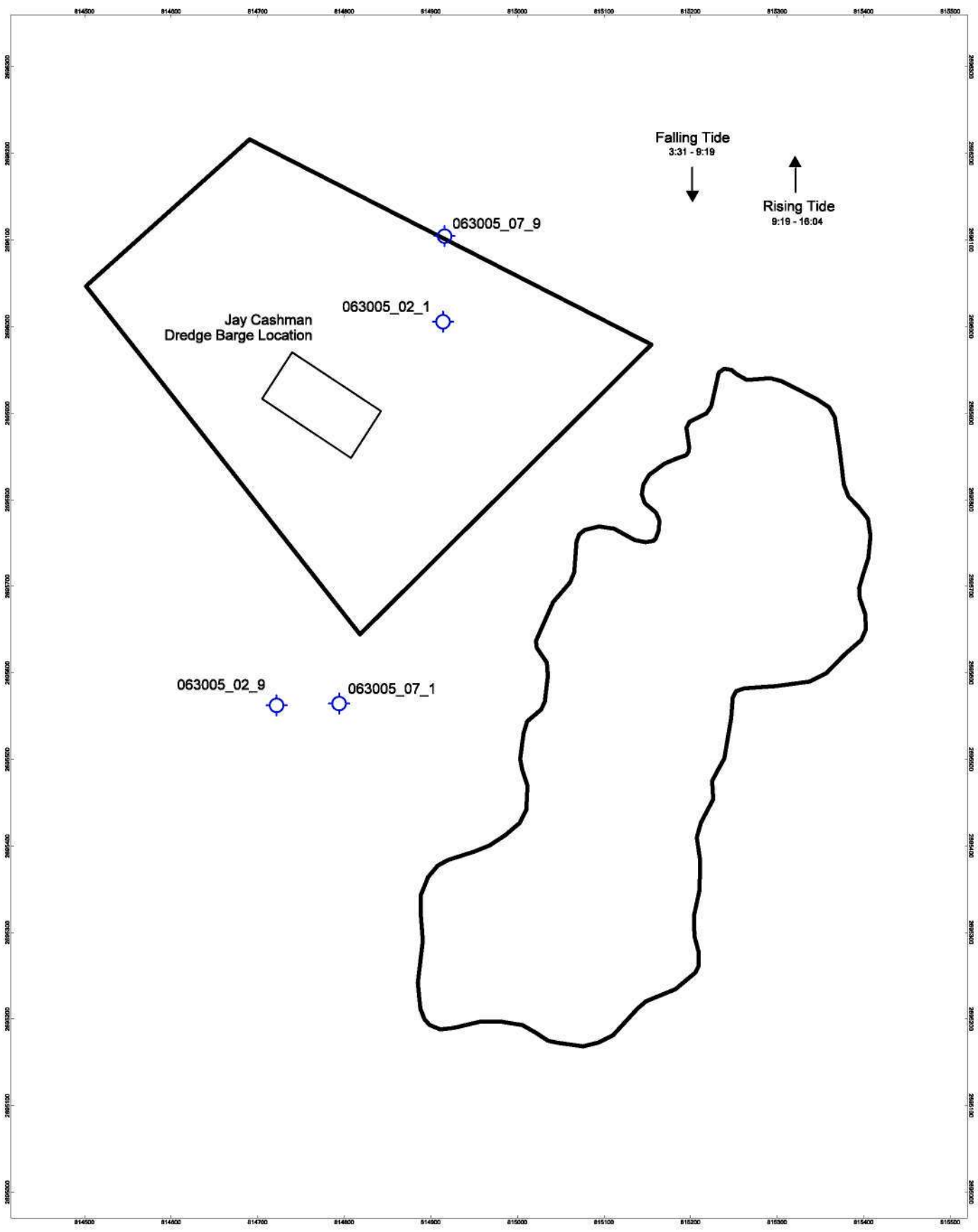


06/29/06 Dredge Operations Water Quality  
CAD Cell Area Water Quality Monitoring Locations  
Water Quality Stations  
Apex Environmental, Inc.

6/30/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - CAD Cell Excavation Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity	Permissible Turbidity	Weather Conditions	Vessel	
High 3:31				Current		(NTUs)	Increase (NTUs)		Traffic	
Falling Tide	8:53	063005_02_1 (Background)	814721.76 2695562.44	Up	5 10 15 20 25 30	5.5 10.0 7.0 12.0 12.5 8.5		Rainy, ~75 Degrees W Wind 5-10 knots	None	
						<b>AVERAGE</b>	<b>9.3</b>	<b>29.3</b>		
	9:00	063005_02_9	814914.04 2696005.58	Down	5 10 15 20 25 30	5.0 5.1 3.1 19.0 30.0 42.0		Rainy, ~75 Degrees W Wind 5-10 knots	None	
						<b>AVERAGE</b>	<b>17.4</b>	<b>11.9 NTUs</b>		
	Low 9:19									
	Rising Tide	14:16	063005_07_1 (Background)	814793.99 2695564.51	Up	5 10 15 20 25 30	1.5 1.7 1.6 1.7 2.1 2.0	Below Permissible Turbidity Increase Limit	Rainy, ~75 Degrees SW Wind 5-10 knots	None
							<b>AVERAGE</b>	<b>1.8</b>	<b>21.8</b>	
		14:07	063005_07_9	814915.86 2696104.53	Down	5 10 15 20 25 30	6.0 11.0 9.0 12.0 9.5 9.0		Rainy, ~75 Degrees SW Wind 5-10 knots	None
							<b>AVERAGE</b>	<b>9.4</b>	<b>(12.3 Below Limit)</b>	
		High 16:04								

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.



**06/30/05 Dredge Operations Water Quality  
CAD Cell Area Water Quality Monitoring Locations**  
Water Quality Stations  
**Apex Environmental, Inc.**

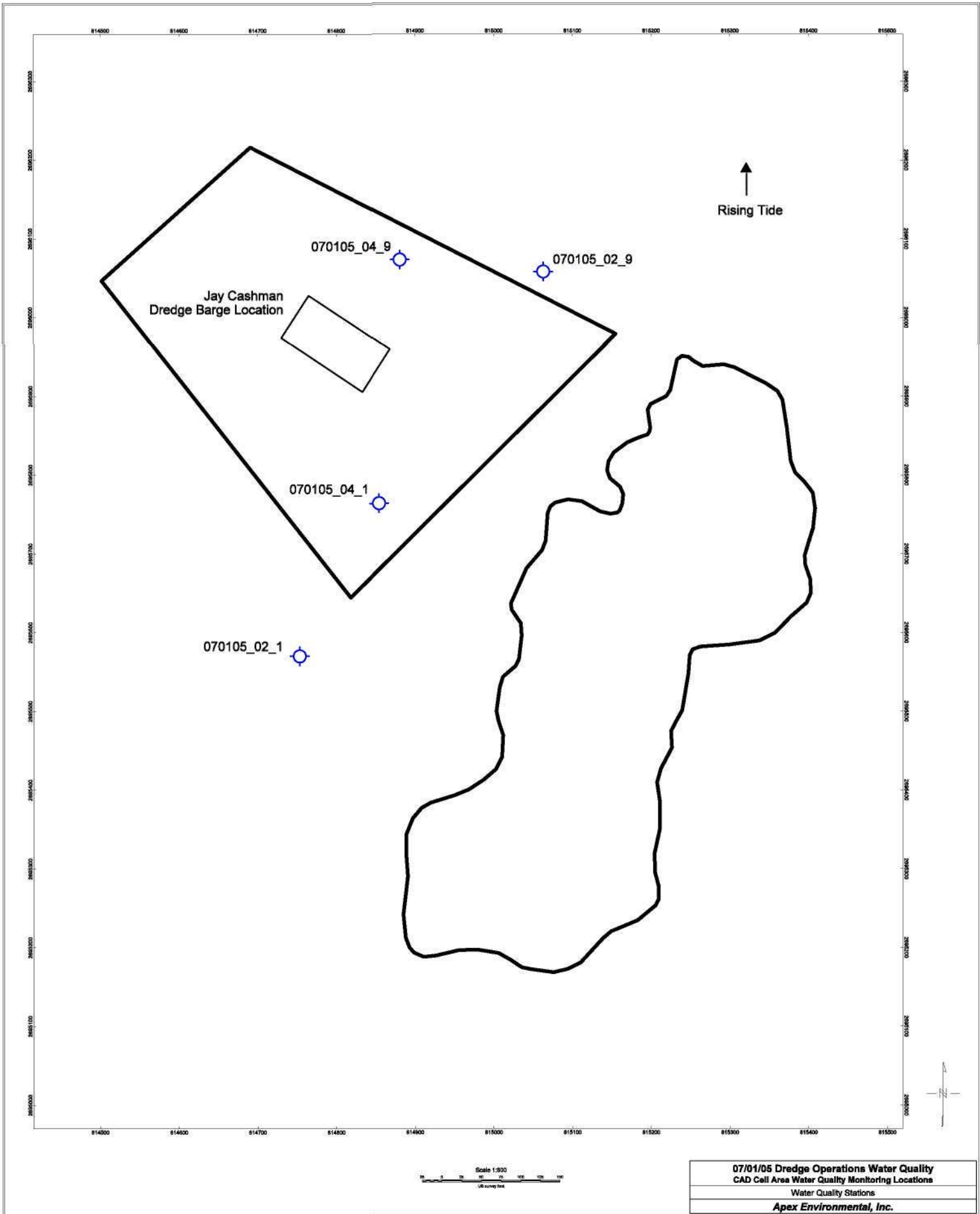


7/1/2005

New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - CAD Cell Excavation Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 10:04				Current					
Rising Tide	12:19	070105_02_1	814753.16	Up	5	3.8		Cloudy, ~72 Degrees	None
		(Background)	2695570.14		10	5.3		S Wind 5-10 knots	
					15	5.5			
					20	9.0			
					25	10.0			
					30	3.5			
					<b>AVERAGE</b>	<b>6.2</b>	<b>26.2</b>		
	12:28	070105_02_9	815062.91	Down	5	9.5		Cloudy, ~72 Degrees	None
			2696058.4		10	12.8		S Wind 5-10 knots	
					15	10.0			
					20	11.5			
					25	9.0			
					30	18.0			
					<b>AVERAGE</b>	<b>11.8</b>	<b>14.4 NTUs</b>		
	14:35	070105_04_1	814915.86	Up	5	1.9	Below Permissible	Cloudy, ~72 Degrees	None
		(Background)	2696104.53		10	2.0	Turbidity Increase Limit	S Wind 5-10 knots	
					15	2.0			
					20	1.9			
					25	5.5			
					30	12.0			
				<b>AVERAGE</b>	<b>4.2</b>	<b>24.2</b>			
14:39	070105_04_9	814793.99	Down	5	22.5		Cloudy, ~72 Degrees	None	
		2695564.51		10	5.7		S Wind 5-10 knots		
				15	8.0				
				20	10.2				
				25	10.0				
				30	8.7				
High 17:04					<b>AVERAGE</b>	<b>10.9</b>	(13.3 Below Limit)		

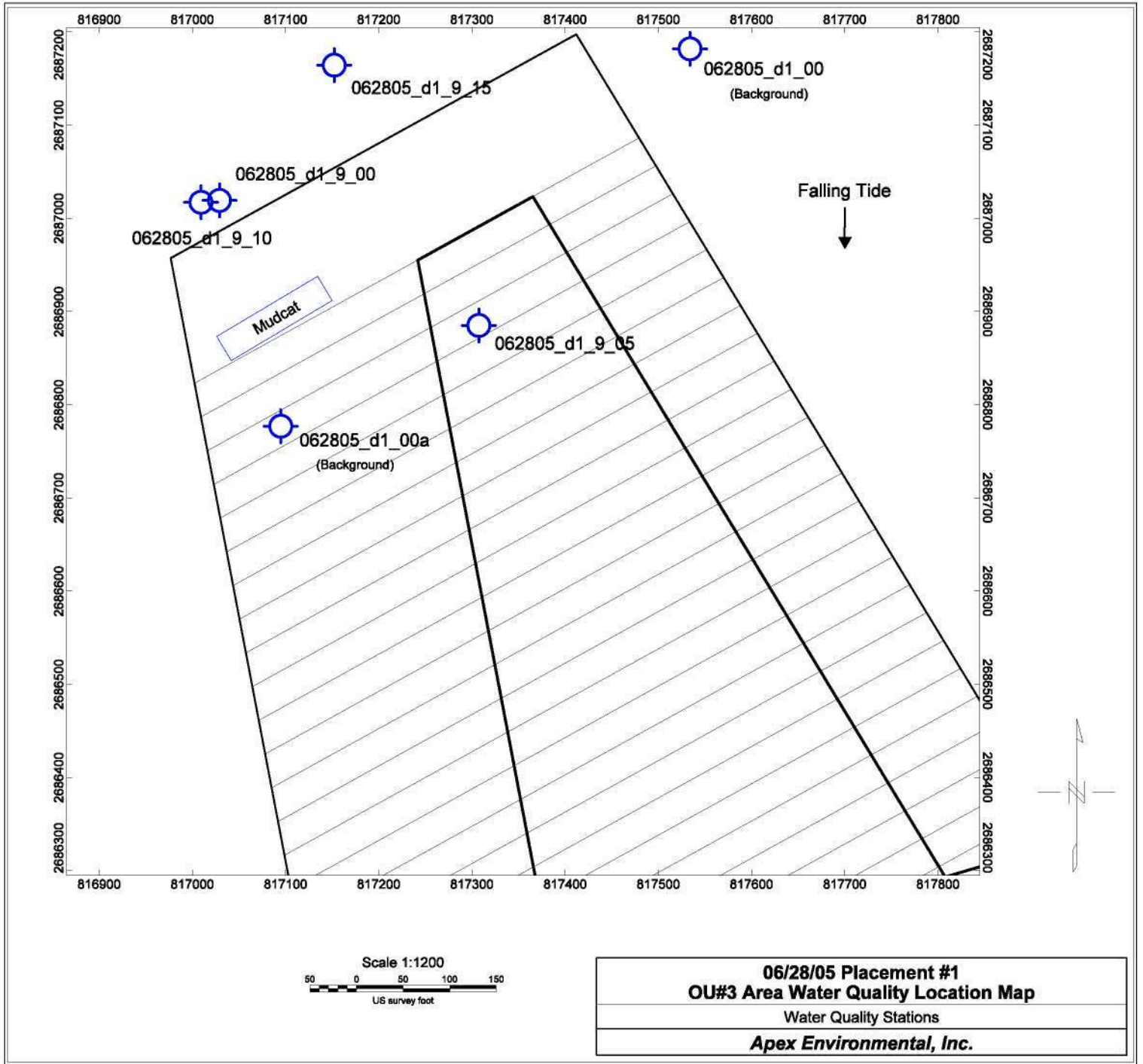
Notes: An X in the vessel traffic column indicates that either a vessel had passed or there was a movement of spuds that may have had an effect on turbidity.



6/28/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - Placement Operations - OU#3 Cap Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 7:30				Current					
Falling Tide	10:22	062805_d1_00	817780.5	Up	2	4.5		Sunny, ~85 Degrees	None
		(Background)	2687437.15		4	4.0		W Wind ~10 Knots	
					6	3.6			
					8	4.5			
					<b>AVERAGE</b>	<b>4.1</b>	<b>44.1</b>		
	10:46	062805_d1_00a	817159.23	Down	2	2.3		Sunny, ~85 Degrees	None
		(Background)	2686632.01		4	3.0		W Wind ~10 Knots	
					6	7.5			
					8	9.5			
					<b>AVERAGE</b>	<b>2.3</b>	<b>42.3</b>		
	<b>11:30</b>	<b>PLACEMENT 1</b>	<b>STARTED</b>						
	11:30	062805_d1_9_00	817014.81	Down	2	1.7		Sunny, ~85 Degrees	None
			2687052.69		4	3.5		W Wind ~10 Knots	
					6	5.0			
					8	6.0			
				6	4.5				
				8	2.5				
				10	3.8				
				<b>AVERAGE</b>	<b>4.5</b>	<b>37.8 NTUs</b>			
11:35	062805_d1_9_05	817023.65		2	20.0	Below Permissible	Sunny, ~85 Degrees	None	
		2687068.38		4	11.0	Turbidity Increase Limit	W Wind ~10 Knots		
				6	7.0				
				8	18.0				
				<b>AVERAGE</b>	<b>7.3</b>	<b>(35.0 Below Limit)</b>			
11:39	062805_d1_9_10	817006.35	Down	10	6.0		Sunny, ~85 Degrees	None	
		2687052.69		6	8.0		W Wind ~10 Knots		
				8	9.0				
				10	11.5				
				<b>AVERAGE</b>	<b>8.6</b>	<b>(33.7 Below Limit)</b>			
11:43	062805_d1_9_15	817233.98	Down	10	5.5		Sunny, ~85 Degrees	None	
		2687271.84		8	6.5		W Wind ~10 Knots		
				6	4.5				
				4	2.5				
				2	4.0				
High 14:09				<b>AVERAGE</b>	<b>4.6</b>	<b>(37.7 Below Limit)</b>			

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



**06/28/05 Placement #1**  
**OU#3 Area Water Quality Location Map**  
Water Quality Stations  
*Apex Environmental, Inc.*

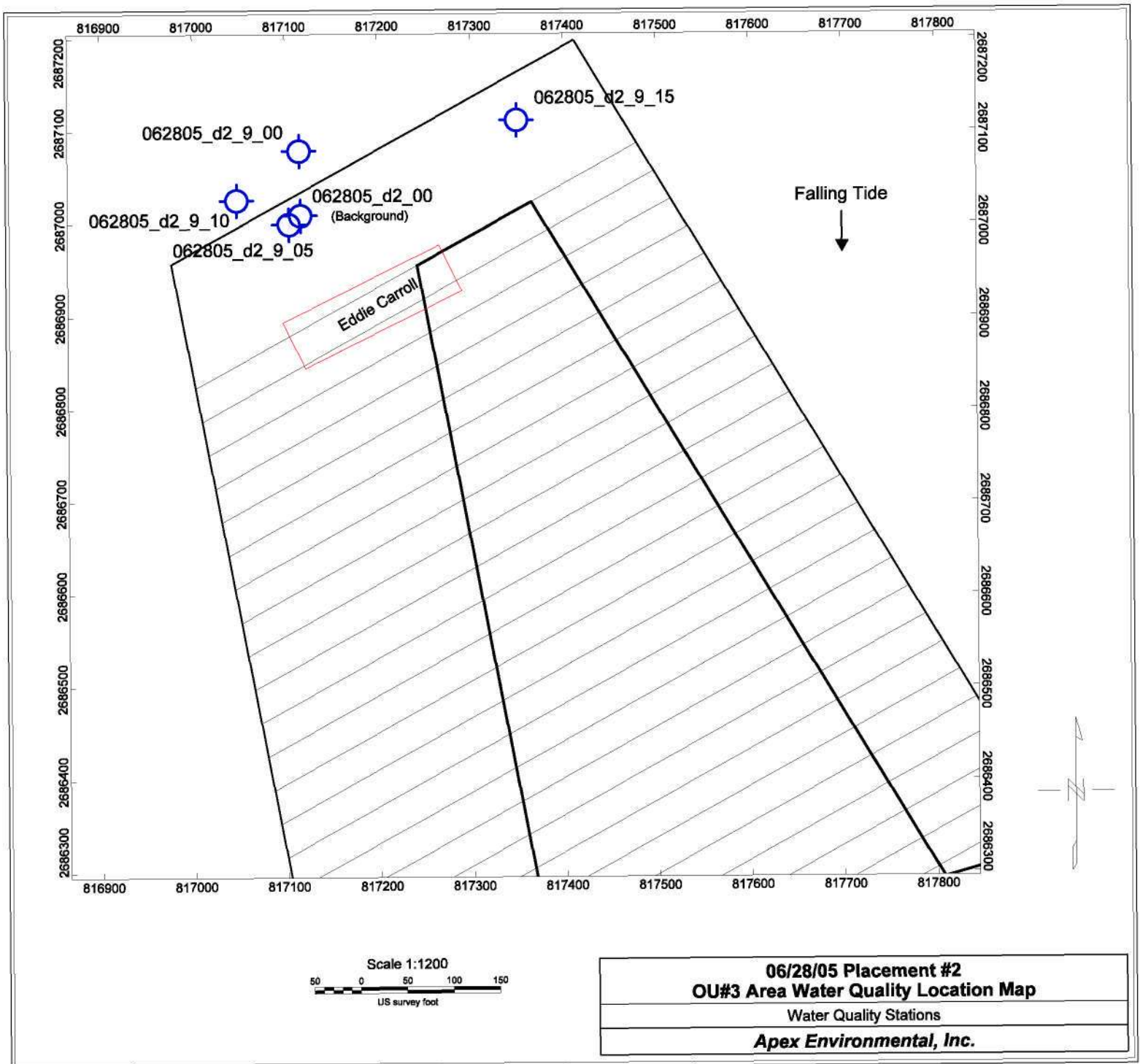


6/28/2005

New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - Placement Operations - OUI#3 Cap Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 14:09				Current					
Falling Tide	14:42	062805_d2_00 (Background)	817102.22 2687100.03	Down	2 4 6 8	3.5 3.8 3.9 3.7		Cloudy, ~80 Degrees SW Wind ~10 Knots	None
					<b>AVERAGE</b>	<b>3.7</b>	<b>43.7</b>		
	15:25	<b>PLACEMENT 2</b>	<b>STARTED</b>						
	15:25	062805_d2_9_00	817142.09 2687139.84	Down	2 4 6 8 10 12 10 8	3.4 3.5 3.5 3.8 12.0 16.0 12.5 7.0		Cloudy, ~80 Degrees SW Wind ~10 Knots	None
					<b>AVERAGE</b>	<b>7.7</b>	<b>36.0 NTUs</b>		
	15:30	062805_d2_9_05	817142.2 2687080.87	Down	8 6 4 8 10 8 6	7.5 13.0 12.0 27.0 34.0 15.0 5.0	Below Permissible Turbidity Increase Limit	Cloudy, ~80 Degrees SW Wind ~10 Knots	None
					<b>AVERAGE</b>	<b>16.2</b>	<b>(27.5 Below Limit)</b>		
	15:35	062805_d2_9_10	817154.12 2687090.14	Down	10 8 6 4 2 4 6 8 10	27.0 13.0 4.0 0.7 0.3 0.5 2.5 11.5 25.0		Sunny, ~85 Degrees W Wind ~10 Knots	None
					<b>AVERAGE</b>	<b>9.4</b>	<b>(34.3 Below Limit)</b>		
	15:40	062805_d2_9_15	817355.87 2687144.62	Down	2 4 6 8 10	0.4 0.5 1.0 1.8 2.3		Sunny, ~85 Degrees W Wind ~10 Knots	None
Low 20:45					<b>AVERAGE</b>	<b>6.0</b>	<b>(37.7 Below Limit)</b>		

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.

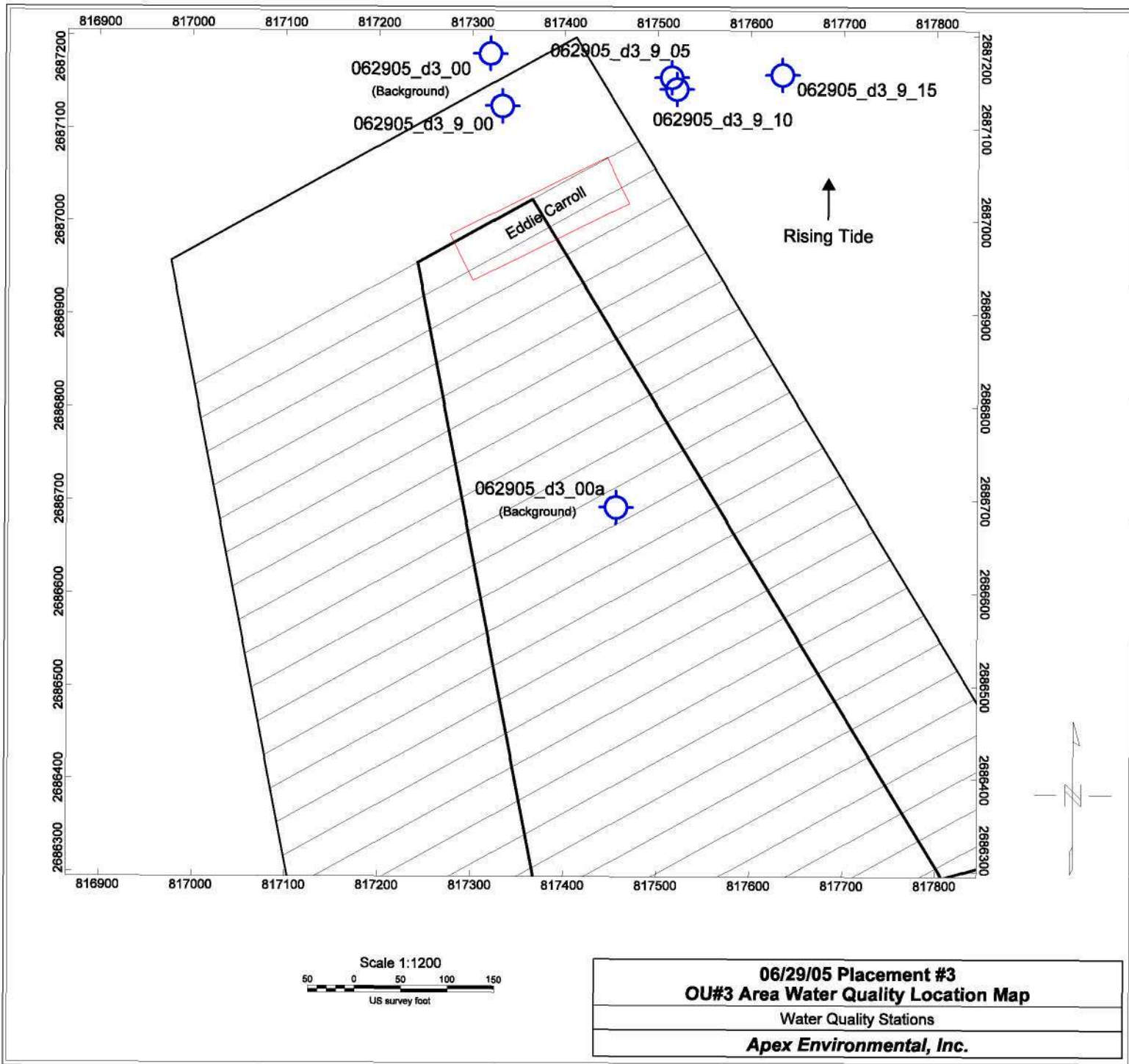


6/29/2005

New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - Placement Operations - OU#3 Cap Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 8:26				Current					
<b>Rising Tide</b>	8:42	062905_d3_00	817378.02	Up	2	2.0		Hazy, ~80 Degrees	None
		(Background)	2687268.54		4	1.9		SW Wind ~10 Knots	
					6	2.0			
					8	2.3			
					<b>AVERAGE</b>	<b>2.0</b>	<b>42.0</b>		
	9:09	062905_d3_00a	817461.49	Down	2	1.8		Hazy, ~80 Degrees	None
		(Background)	2686770.79		4	2.1		SW Wind ~10 Knots	
					6	2.5			
					8	2.5			
					<b>AVERAGE</b>	<b>2.2</b>	<b>42.2</b>		
	<b>9:12</b>	<b>PLACEMENT 3</b>	<b>STARTED</b>						
	9:12	062905_d3_9_00	817382.95	Down	2	7.0		Hazy, ~80 Degrees	None
			2687227.96		4	2.0		SW Wind ~10 Knots	
					6	2.3			
					8	7.0			
					6	6.5			
					<b>AVERAGE</b>	<b>5.0</b>	37.0 NTUs		
	9:17	062905_d3_9_05	817549.98	Down	2	6.0	Below Permissible	Hazy, ~80 Degrees	None
			2687276.36		4	8.5	Turbidity Increase Limit	SW Wind ~10 Knots	
					6	7.0			
					8	10.5			
					6	11.0			
					4	4.5			
					<b>AVERAGE</b>	<b>7.9</b>	(34.1 Below Limit)		
	9:22	062905_d3_9_10	817558.03	Down	2	7.5		Hazy, ~80 Degrees	None
			2687268.82		4	9.0		SW Wind ~10 Knots	
					6	8.0			
					8	10.0			
					<b>AVERAGE</b>	<b>8.5</b>	(33.6 Below Limit)		
	9:26	062905_d3_9_15	817608.51	Down	2	6.0		Hazy, ~80 Degrees	None
			2687283.65		4	8.5		SW Wind ~10 Knots	
					6	9.0			
					8	10.0			
					<b>AVERAGE</b>	<b>8.4</b>	(33.7 Below Limit)		
High 4:14									

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.



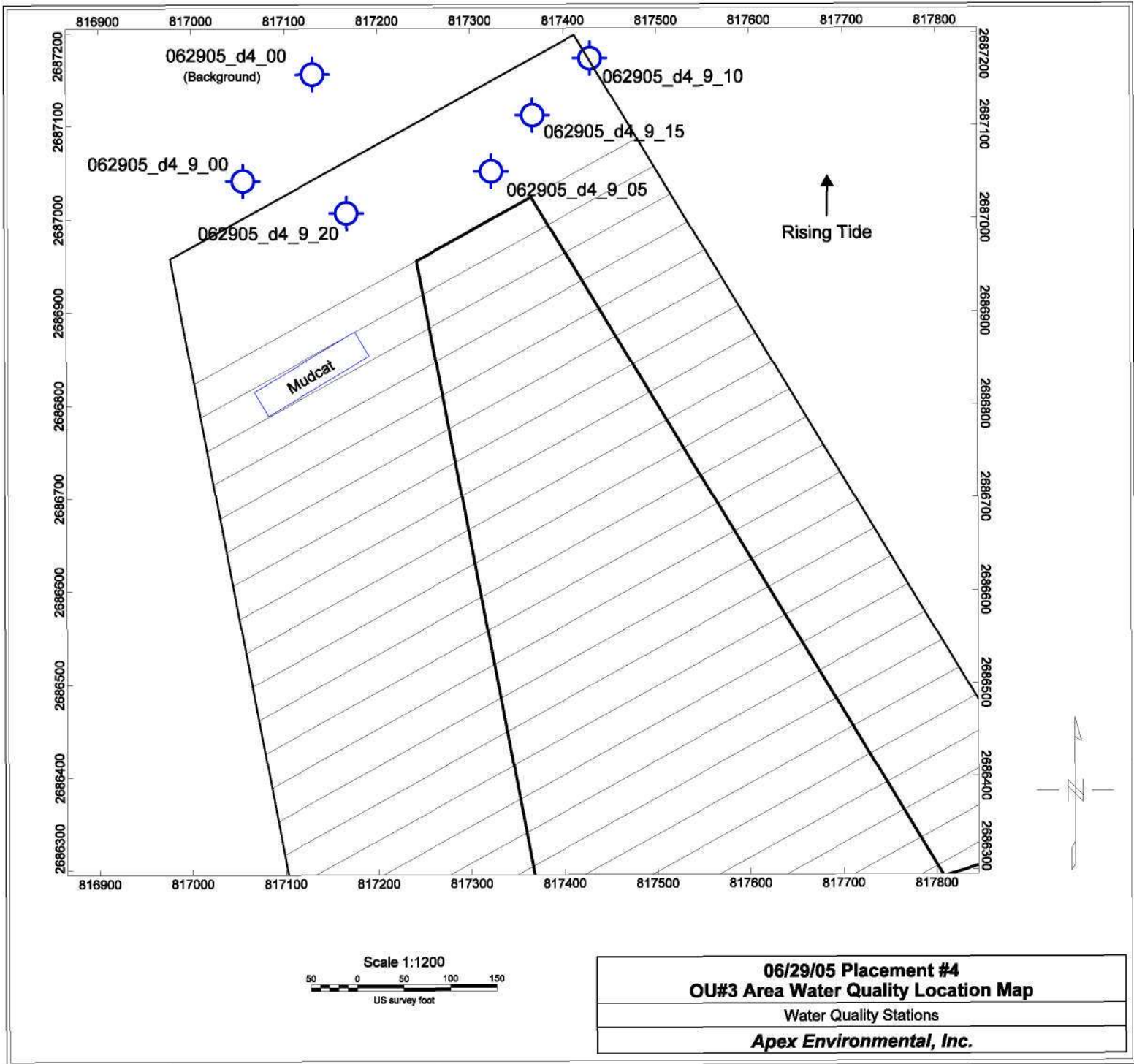


6/29/2005

New Bedford Harbor Dredge Project - Phase II  
Water Quality Monitoring - Placement Operations - OU#3 Cap Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 8:26				Current					
<b>Rising Tide</b>	11:38	062905_d4_00 (Background)	817169.09 2687165.38	Up	2 4 6 8	11.0 12.0 12.5 11.9		Sunny, ~80 Degrees SW Wind ~10 Knots	None
					<b>AVERAGE</b>	<b>11.9</b>	<b>51.9</b>		
	<b>12:09</b>	<b>PLACEMENT 4</b>	<b>STARTED</b>						
	12:09	062905_d4_9_00	817196.47 2687034.69	Down	2 4 6 8	1.8 2.1 2.5 2.5		Sunny, ~80 Degrees SW Wind ~10 Knots	None
					<b>AVERAGE</b>	<b>2.2</b>	<b>49.7 NTUs</b>		
	12:14	062905_d4_9_05	817328.15 2687051.98	Down	2 4 6 8 6 8	16.0 17.0 12.0 11.0 7.6 14.0	Below Permissible Turbidity Increase Limit	Sunny, ~80 Degrees SW Wind ~10 Knots	None
					<b>AVERAGE</b>	<b>12.9</b>	<b>(39.0 Below Limit)</b>		
	12:19	062905_d4_9_10	817441.07 2687198.78	Down	2 4 6 8 6	14.0 16.0 23.0 28.0 30.0		Sunny, ~80 Degrees SW Wind ~10 Knots	None
					<b>AVERAGE</b>	<b>22.2</b>	<b>(29.7 Below Limit)</b>		
	12:24	062905_d4_9_15	817386.58 2687114.23	Down	2 4 6 8 6 8	12.5 8.0 7.0 30.0 11.0 35.0		Sunny, ~80 Degrees SW Wind ~10 Knots	None
					<b>AVERAGE</b>	<b>18.0</b>	<b>(33.9 Below Limit)</b>		
	12:29	062905_d4_9_20	817401.1 268147.32	Down	2 4 6 8 6 4 6 8	12.0 13.0 10.0 20.0 16.0 8.0 7.5 5.0		Sunny, ~80 Degrees SW Wind ~10 Knots	None
					<b>AVERAGE</b>	<b>12.2</b>	<b>(39.7 Below Limit)</b>		
High 4:14									

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



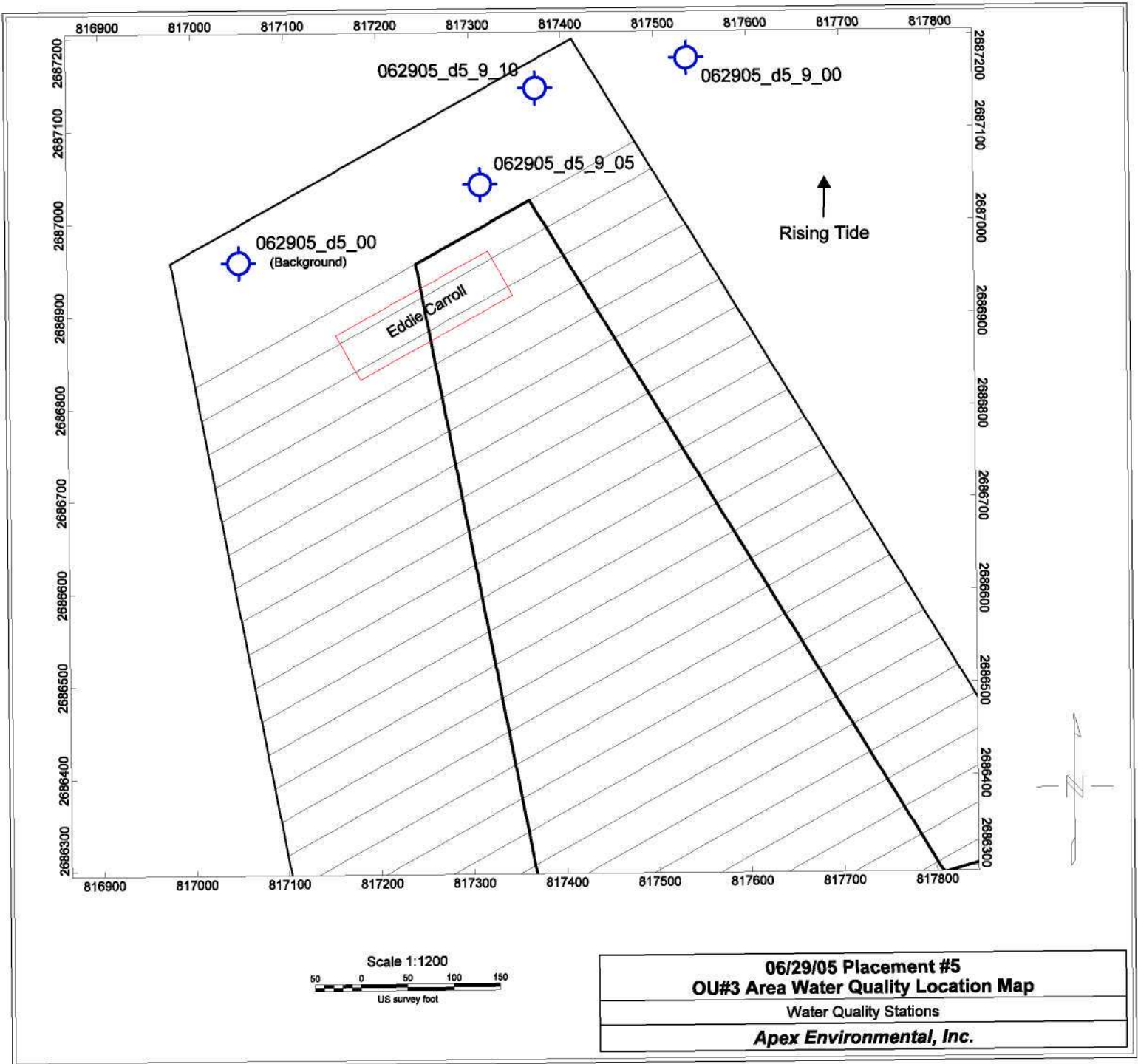
**06/29/05 Placement #4**  
**OU#3 Area Water Quality Location Map**  
Water Quality Stations  
**Apex Environmental, Inc.**

6/29/2005

New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - Placement Operations - OU#3 Cap Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 8:26				Current					
Rising Tide	14:45	062905_d5_00	817088.64	Down	2	2.9		Sunny, ~80 Degrees	None
		(Background)	2687018.04		4	2.8		W Wind ~10 Knots	
					6	3.0			
					8	2.9			
					10	4.0			
					<b>AVERAGE</b>	<b>3.1</b>	<b>43.1</b>		
	<b>15:13</b>	<b>PLACEMENT 5</b>	<b>STARTED</b>						
	15:13	062905_d5_9_00	817556.14	Down	2	13.0		Sunny, ~80 Degrees	None
			2687248.75		4	10.0		W Wind ~10 Knots	
					6	11.0			
					8	21.0			
					10	35.0			
					<b>AVERAGE</b>	<b>18.0</b>	<b>25.1 NTUs</b>		
	15:18	062905_d5_9_05	817328.15	Down	2	16.0	Below Permissible	Sunny, ~80 Degrees	None
			2687051.98		4	17.0	Turbidity Increase Limit	W Wind ~10 Knots	
				6	12.0				
				8	11.0				
				6	7.6				
				8	14.0				
				<b>AVERAGE</b>	<b>12.9</b>	<b>(30.2 Below Limit)</b>			
15:23	062905_d4_9_10	817441.07	Down	2	9.0		Sunny, ~80 Degrees	None	
		2687198.78		4	12.3		W Wind ~10 Knots		
				6	14.0				
				8	55.0				
High 4:14				<b>AVERAGE</b>	<b>22.6</b>	<b>(20.5 Below Limit)</b>			

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



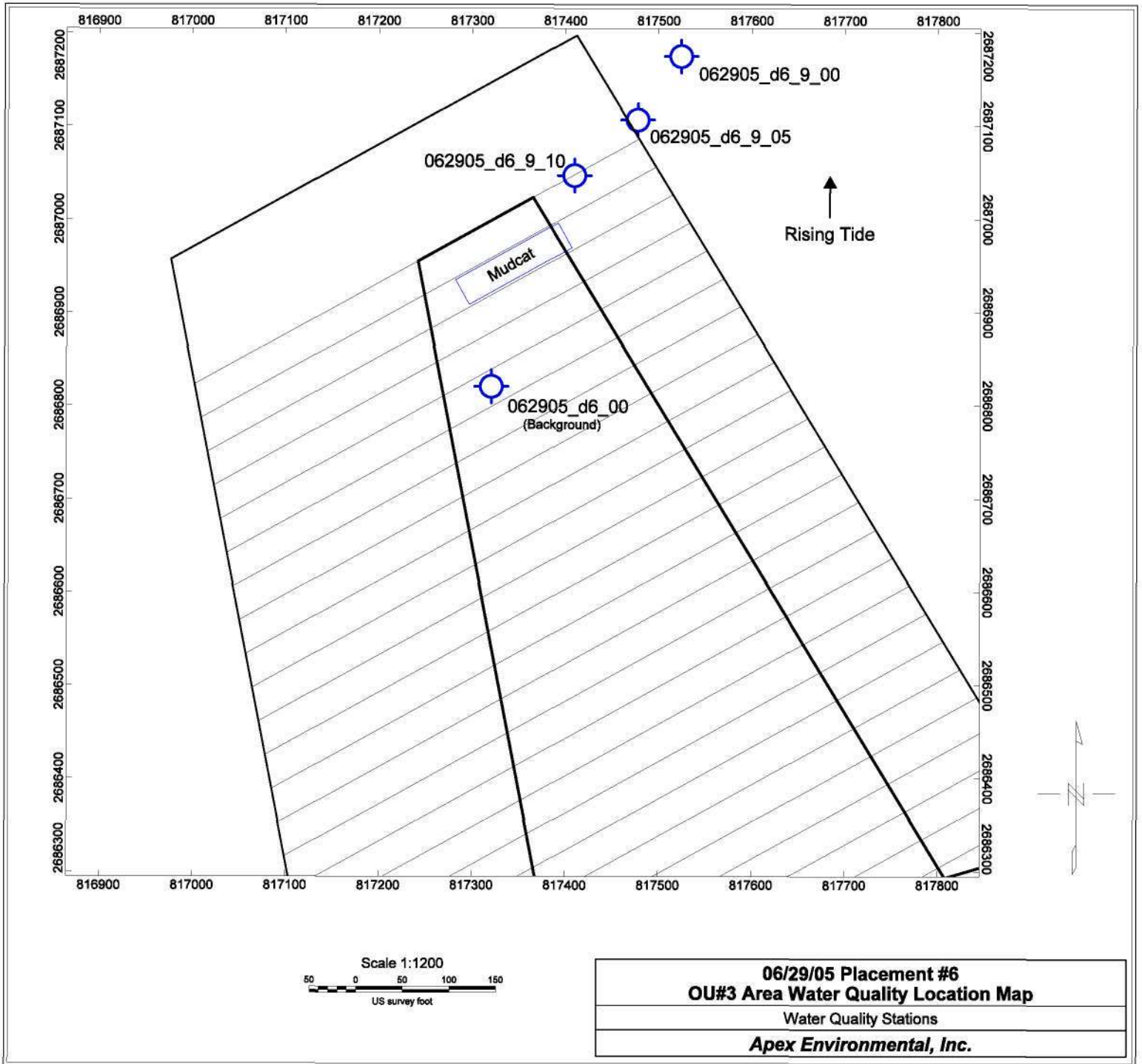


6/29/2005

New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - Placement Operations - OU#3 Cap Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 8:26				Current					
<b>Rising Tide</b>	17:04	062905_d6_00	817140.14	Up	2	4.8		Sunny, ~80 Degrees	None
		(Background)	2682753.9		4	4.5		W Wind ~10 Knots	
					6	5.0			
					8	4.8			
					<b>AVERAGE</b>	<b>4.8</b>	<b>44.8</b>		
	<b>17:09</b>	<b>PLACEMENT 6</b>	<b>STARTED</b>						
	17:09	062905_d6_9_00	817504.71	Down	2	4.1		Sunny, ~80 Degrees	None
			2687251.9		4	6.1		W Wind ~10 Knots	
					6	4.4			
					8	5.8			
					6	5.3			
					4	5.6			
					<b>AVERAGE</b>	<b>5.2</b>	39.6 NTUs		
	17:14	062905_d6_9_05	817498.04	Down	2	16.0	Below Permissible	Sunny, ~80 Degrees	None
			2687155.56		4	17.0	Turbidity Increase Limit	W Wind ~10 Knots	
					6	12.0			
					8	11.0			
					6	7.6			
					4	14.0			
					<b>AVERAGE</b>	<b>12.9</b>	(31.9 Below Limit)		
	15:23	062905_d6_9_10	817402.84	Down	2	5.8		Sunny, ~80 Degrees	None
			2687051.81		4	6.2		W Wind ~10 Knots	
					6	9.5			
					8	10.0			
					<b>AVERAGE</b>	<b>7.9</b>	(36.9 Below Limit)		
High 4:14									

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

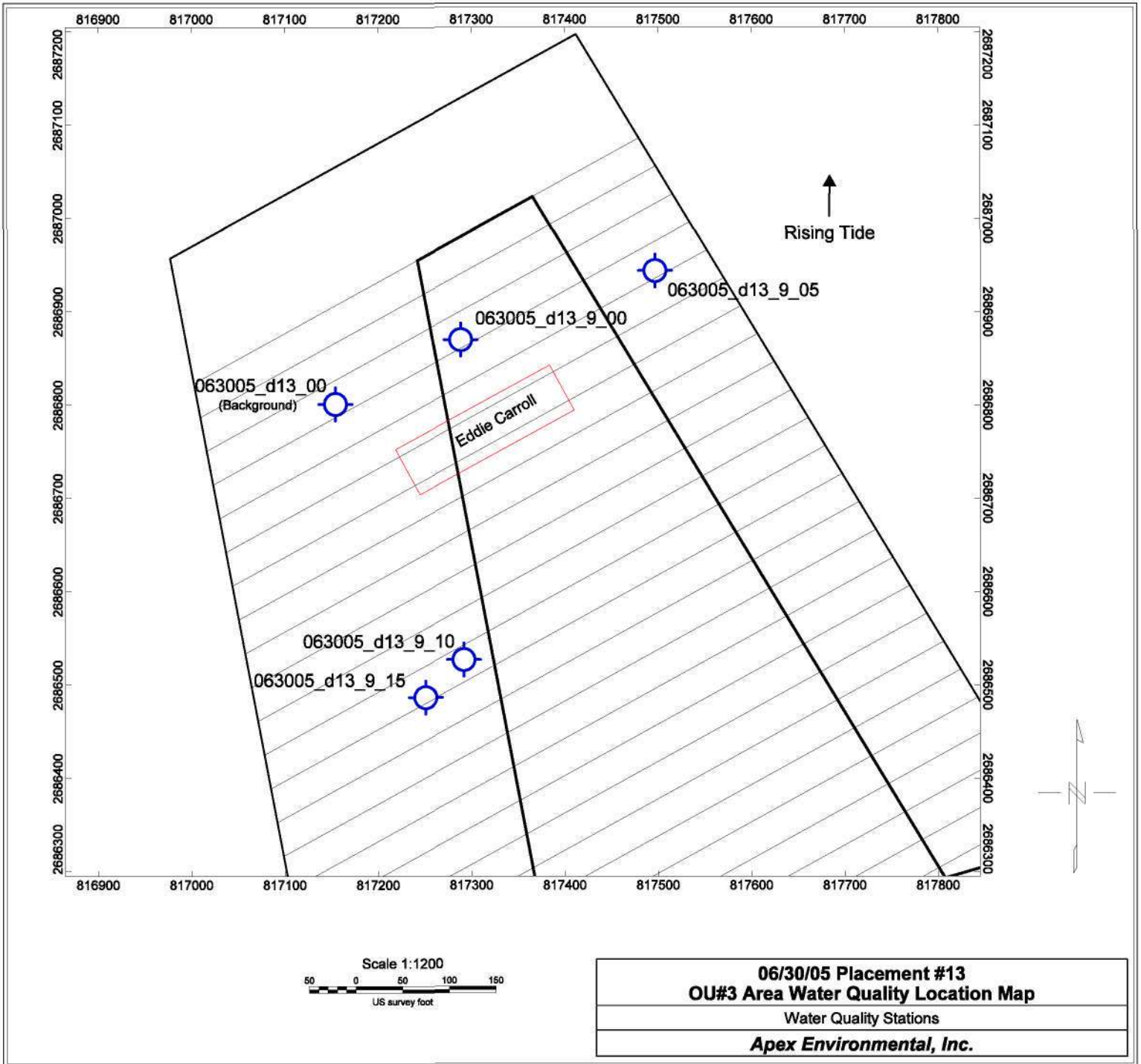


6/30/2005

New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - Placement Operations - OU#3 Cap Area

Tide Time	Time	ID	Coordinates	Up/Down Current	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 8:26									
<b>Rising Tide</b>	12:56	063005_d13_00 (Background)	817140.14 2682753.9	Down	2 4 6 8	3.3 3.5 7.5 8.0		Cloudy, ~70 Degrees W Wind ~10 Knots	None
					<b>AVERAGE</b>	<b>5.6</b>	<b>45.6</b>		
	<b>13:05</b>	<b>PLACEMENT 13</b>	<b>STARTED</b>						
	13:05	063005_d13_9_00	817504.71 2687251.9	Down	2 4 6 8 6 4 2	6.5 6.9 8.0 8.5 15.0 9.5 8.5		Cloudy, ~70 Degrees W Wind ~10 Knots	None
					<b>AVERAGE</b>	<b>9.0</b>	<b>36.6 NTUs</b>		
	13:09	063005_d13_9_05	817498.04 2687155.56	Down	2 4 6 8 6 4 2	8.5 7.5 7.0 10.1 13.3 12.0 5.0	Below Permissible Turbidity Increase Limit	Cloudy, ~70 Degrees W Wind ~10 Knots	None
					<b>AVERAGE</b>	<b>9.0</b>	<b>(36.6 Below Limit)</b>		
	13:20	063005_d13_9_10	817402.84 2687051.81	Up	2 4 6 8	4.0 3.8 4.5 6.0		Cloudy, ~70 Degrees W Wind ~10 Knots	None
					<b>AVERAGE</b>	<b>4.6</b>	<b>(41.0 Below Limit)</b>		
	13:25	063005_d13_9_15		Up	2 4 6 8 6 8	10 12.5 16.75 6.5 5.9 5.7		Cloudy, ~70 Degrees W Wind ~10 Knots	None
<b>High 15:06</b>					<b>AVERAGE</b>	<b>8.7</b>	<b>(36.9 Below Limit)</b>		

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.

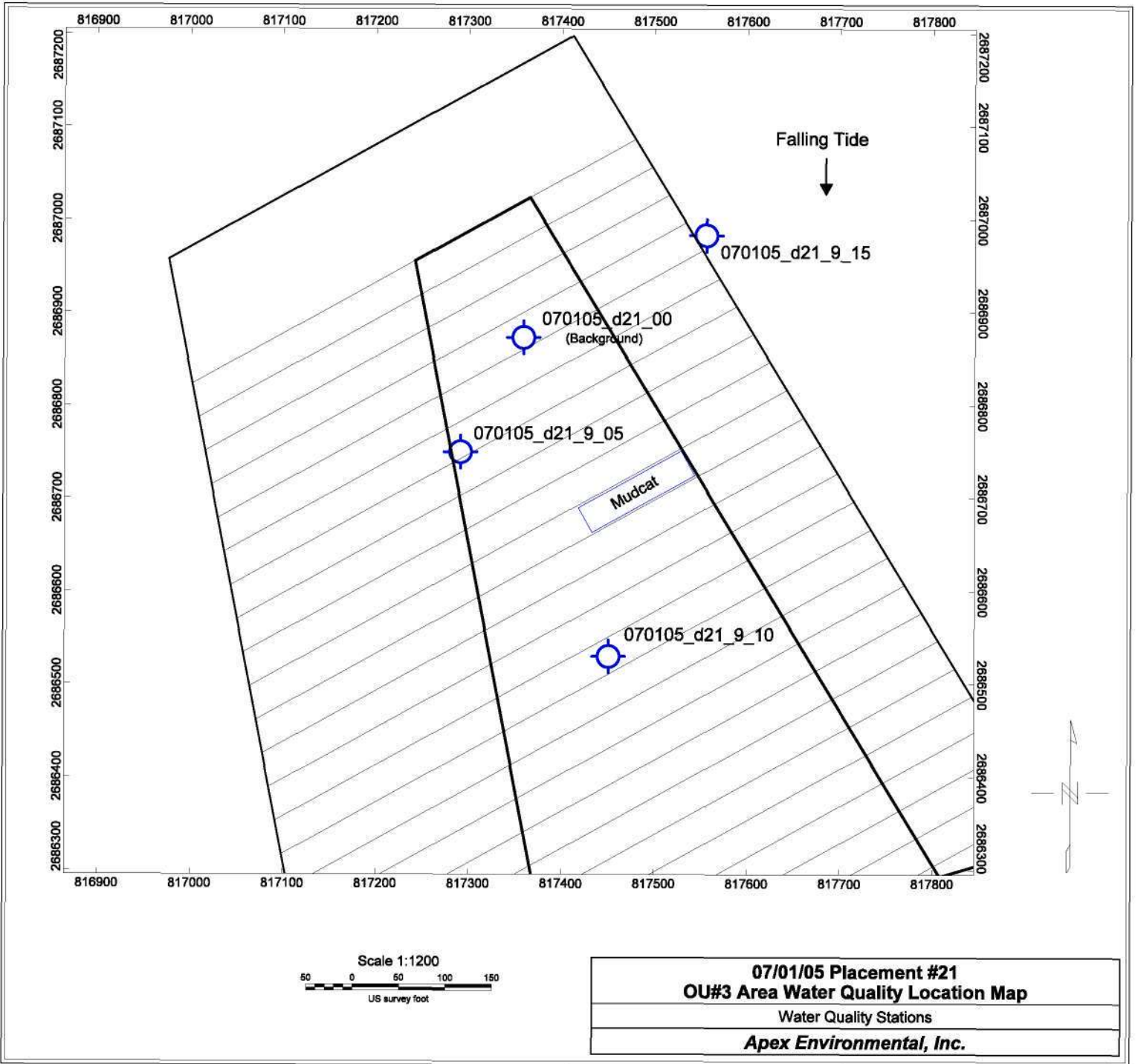


7/1/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - Placement Operations - OU#3 Cap Area

Tide Time	Time	ID	Coordinates	Up/Down Current	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 10:04									
Falling Tide	10:36	070105_d21_00 (Background)	817562.15 2686529.48	Up	2 4 6 8 10	3.5 3.0 3.5 4.0 7.5		Cloudy, ~72 Degrees S Wind ~10 Knots	None
					<b>AVERAGE</b>	<b>4.3</b>	<b>44.3</b>		
	<b>10:37</b>	<b>PLACEMENT 21</b>	<b>STARTED</b>						
	10:39	070105_d21_9_05	817284.95 2686765.33	Up	2 4 6 8	14.3 19.0 21.0 6.0		Cloudy, ~72 Degrees S Wind ~10 Knots	None
					<b>AVERAGE</b>	<b>15.1</b>	<b>29.2 NTUs</b>		
	10:45	070105_d21_9_10	817348.66 2686862.68	Down	2 4 6 7	22.5 24.5 8.1 6.0	Below Permissible Turbidity Increase Limit	Cloudy, ~72 Degrees S Wind ~10 Knots	None
					<b>AVERAGE</b>	<b>15.3</b>	<b>(29.0 Below Limit)</b>		
	10:49	070105_d21_9_15	817578.57 2686934.87	Up	2 4 6 8	6.8 11.0 24.0 30.0		Cloudy, ~72 Degrees S Wind ~10 Knots	None
	Low 17:03				<b>AVERAGE</b>	<b>18.0</b>	<b>(26.3 Below Limit)</b>		

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.

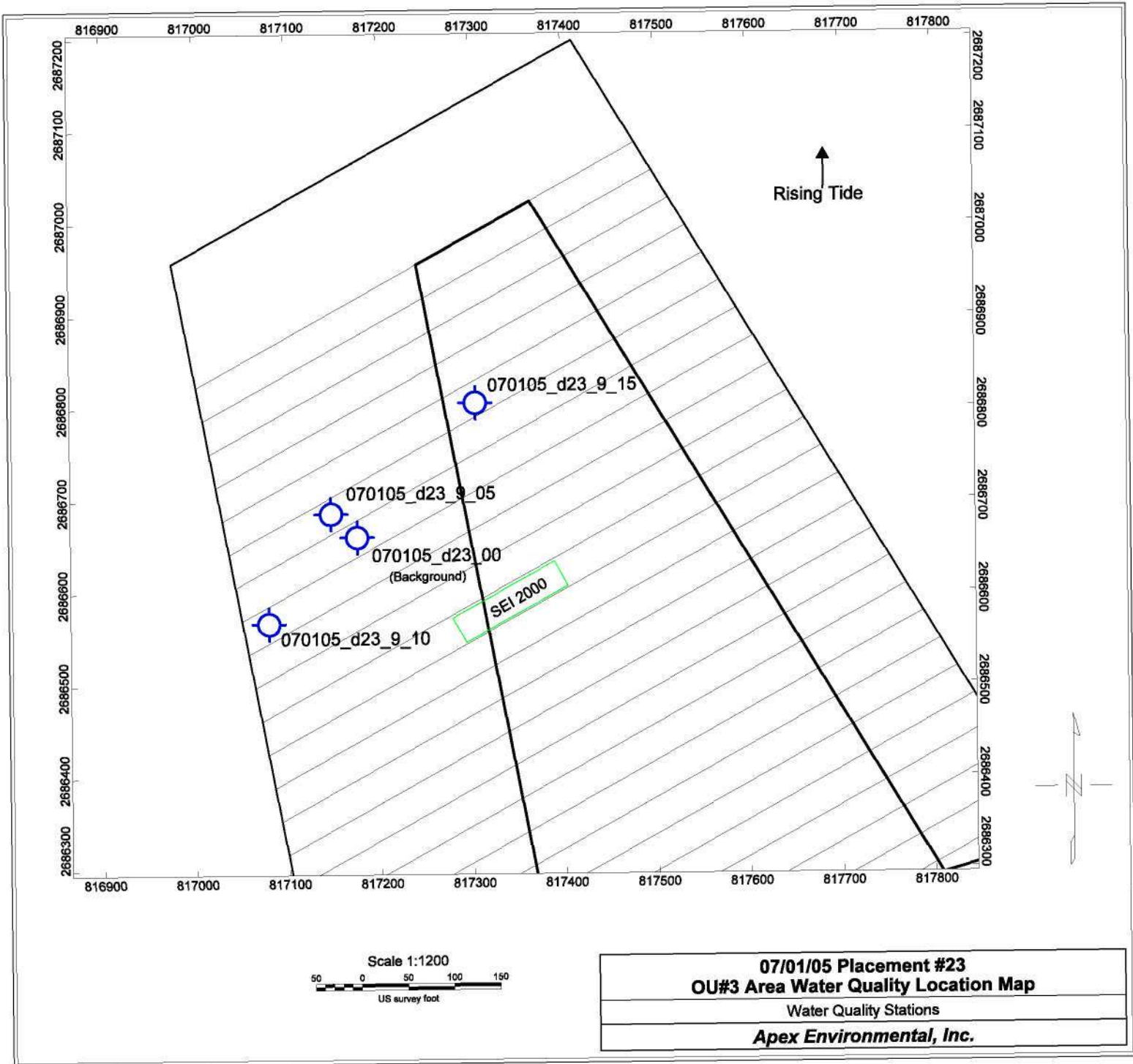




7/1/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - Placement Operations - OU#3 Cap Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 10:04				Current					
Rising Tide	12:42	070105_d23_00 (Background)	817329.23 2686350.62	Down	2 4 6 8	3.8 4.0 3.5 4.3		Cloudy, ~75 Degrees S Wind ~10 Knots	None
					<b>AVERAGE</b>	<b>3.9</b>	<b>43.9</b>		
	<b>13:18</b>	<b>PLACEMENT 23</b>	<b>STARTED</b>						
	13:18	070105_d23_9_05	817190.63 2686732.17	Down	2 4 6 8	9.0 8.5 10.0 7.5		Cloudy, ~75 Degrees S Wind ~10 Knots	None
					<b>AVERAGE</b>	<b>8.8</b>	35.1 NTUs		
	13:22	070105_d23_9_10	817087.58 2686622.32	Down	2 4 6 8	12.0 15.5 14.0 16.3	Below Permissible Turbidity Increase Limit	Cloudy, ~75 Degrees S Wind ~10 Knots	None
					<b>AVERAGE</b>	<b>14.4</b>	(29.5 Below Limit)		
	13:32	070105_d23_9_15	817348.05 2686808.55	Down	2 4 6 8	9.3 9.8 10.0 11.5		Cloudy, ~75 Degrees S Wind ~10 Knots	None
High 17:03					<b>AVERAGE</b>	<b>10.1</b>	(33.8 Below 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.



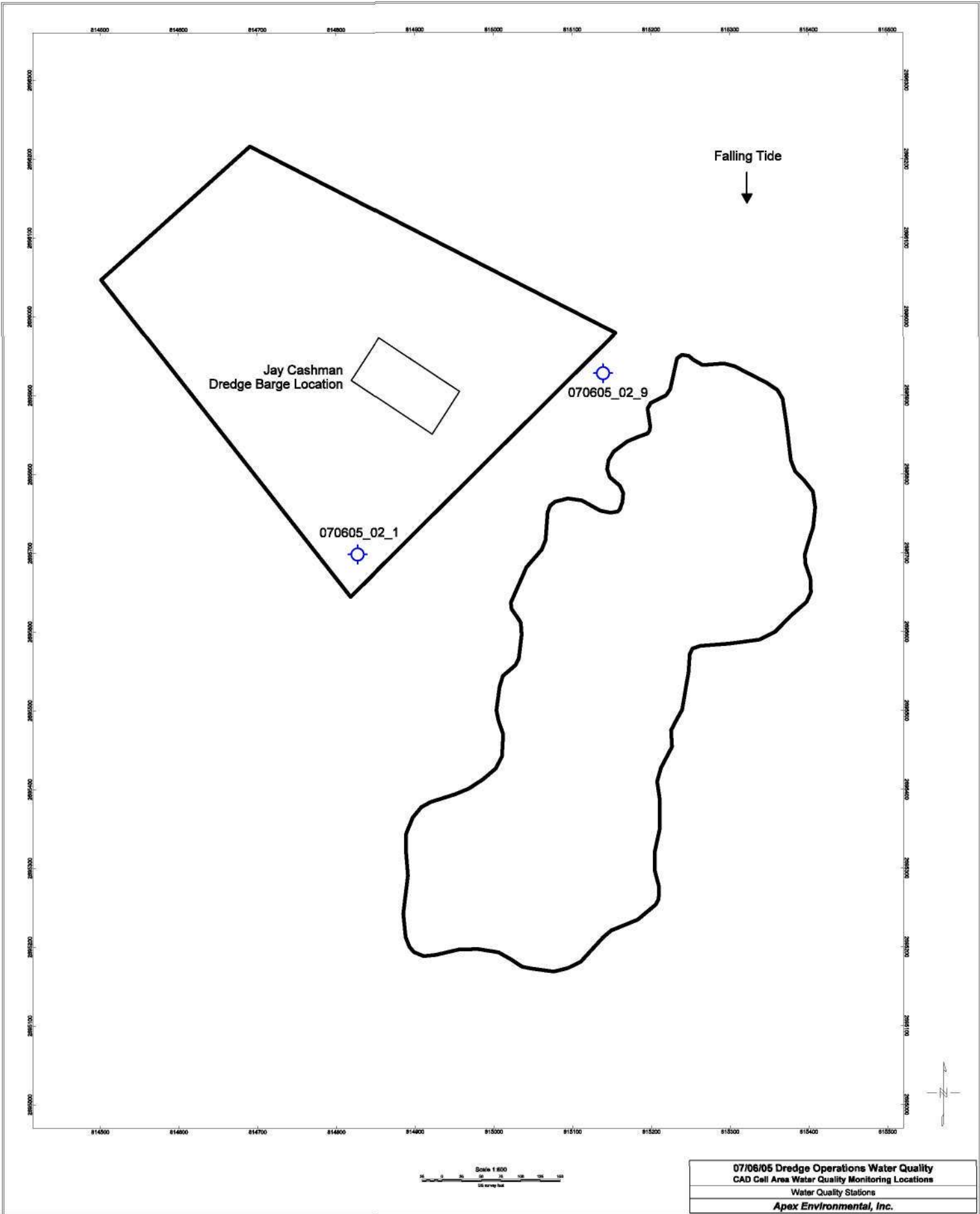
7/6/2005

New Bedford Harbor Dredge Project - Phase II  
Water Quality Monitoring - CAD Cell Excavation Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity	Permissible Turbidity	Weather Conditions	Vessel
High 8:40				Current		(NTUs)	Increase (NTUs)		Traffic
Falling Tide	12:00	070605_02_1	814826.81	Up	5	2.8		Cloudy, ~80 Degrees	None
		(Background)	2695698.48		10	2.5		S Wind 1-5 knots	
					15	4.7			
					20	6.0			
					25	6.0			
					30	3.5			
					<b>AVERAGE</b>	<b>4.3</b>	<b>24.3</b>		
	11:50	070605_02_9	815138.52	Down	5	9.5		Cloudy, ~80 Degrees	None
			2695928.02		10	10.0		S Wind 1-5 knots	
					15	14.5			
				20	21.5				
				25	10.5				
				30	9.0				
Low 13:40					<b>AVERAGE</b>	<b>12.5</b>	11.8 NTUs		

Below Permissible  
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.



Falling Tide



Jay Cashman  
Dredge Barge Location

070605\_02\_9

070605\_02\_1

Scale 1:800  
0 20 40 60 80 100 120  
US survey feet

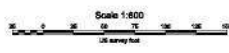
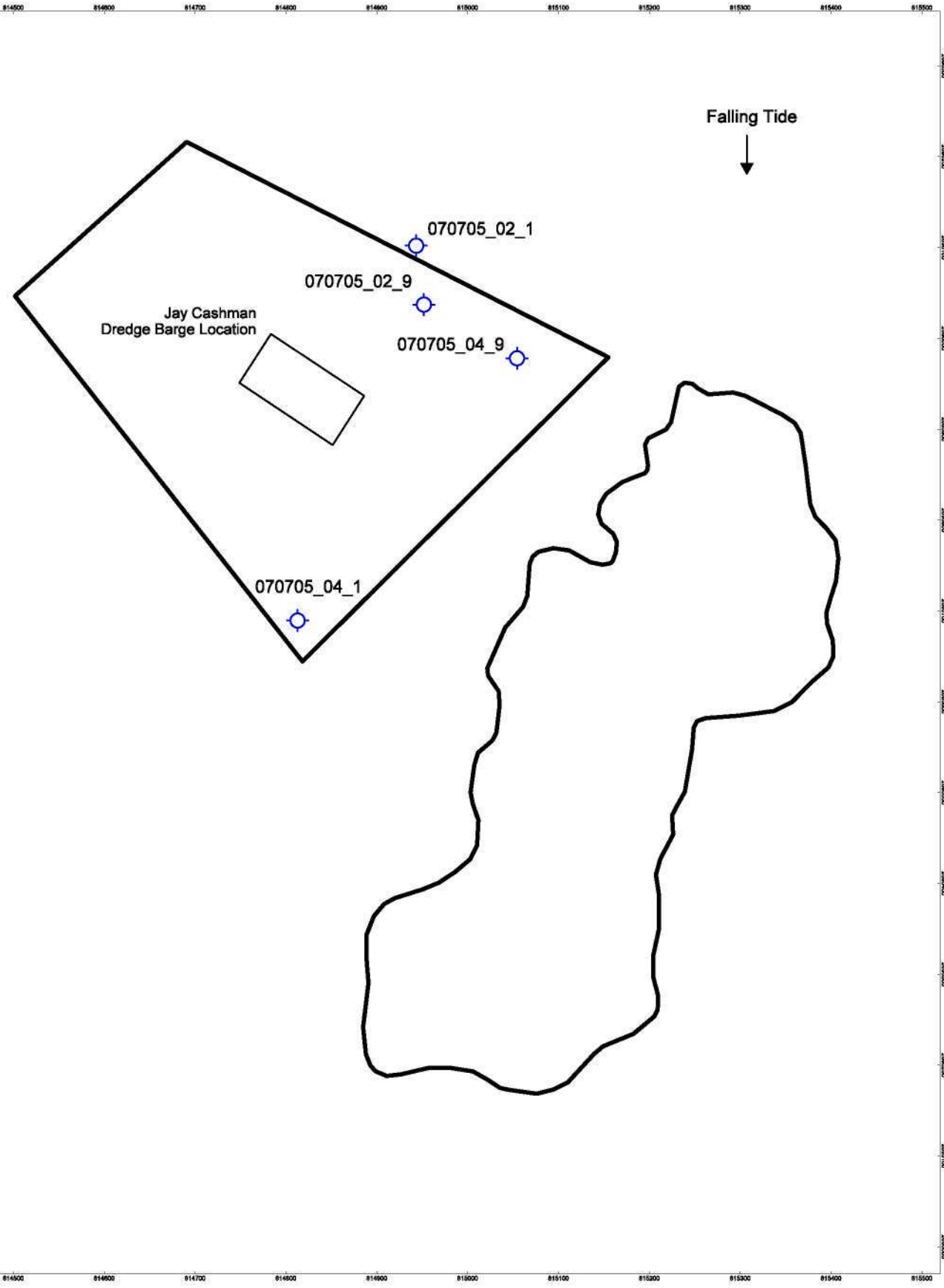
**07/06/05 Dredge Operations Water Quality**  
**CAD Cell Area Water Quality Monitoring Locations**  
Water Quality Stations  
**Apex Environmental, Inc.**



7/7/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - CAD Cell Excavation Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity	Permissible Turbidity	Weather Conditions	Vessel
High 9:21				Current		(NTUs)	Increase (NTUs)		Traffic
Falling Tide	11:56	070705_02_1 (Background)	814943.23 2696102.07	Up	5	5.5		Cloudy, ~70 Degrees N Wind 5-15 knots	None
					10	6.0			
					15	6.3			
					20	11.0			
					25	17.0			
					30	22.5			
					<b>AVERAGE</b>	<b>11.4</b>	<b>31.4</b>		
	12:05	070705_02_9	815780.97 2695561.53	Down	5	6.5		Cloudy, ~70 Degrees N Wind 5-15 knots	None
					10	8.0			
					15	7.5			
					20	9.5			
					25	13.5			
					30	7.5			
					<b>AVERAGE</b>	<b>8.8</b>	22.6 NTUs		
	13:17	070705_04_1 (Background)	814951.76 2696037.2	Up	5	6.5	Below Permissible Turbidity Increase Limit	Cloudy, ~70 Degrees N Wind 5-15 knots	None
				10	6.5				
				15	22.0				
				20	11.7				
				25	16.0				
				30	16.0				
				<b>AVERAGE</b>	<b>13.1</b>	<b>33.1</b>			
13:23	070705_04_9	814812.74 2695689.43	Down	5	2.2		Cloudy, ~70 Degrees N Wind 5-15 knots	None	
				10	2.6				
				15	2.3				
				20	3.6				
				25	4.8				
				30	10				
Low 14:47				<b>AVERAGE</b>	<b>4.3</b>	(28.8 Below 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.

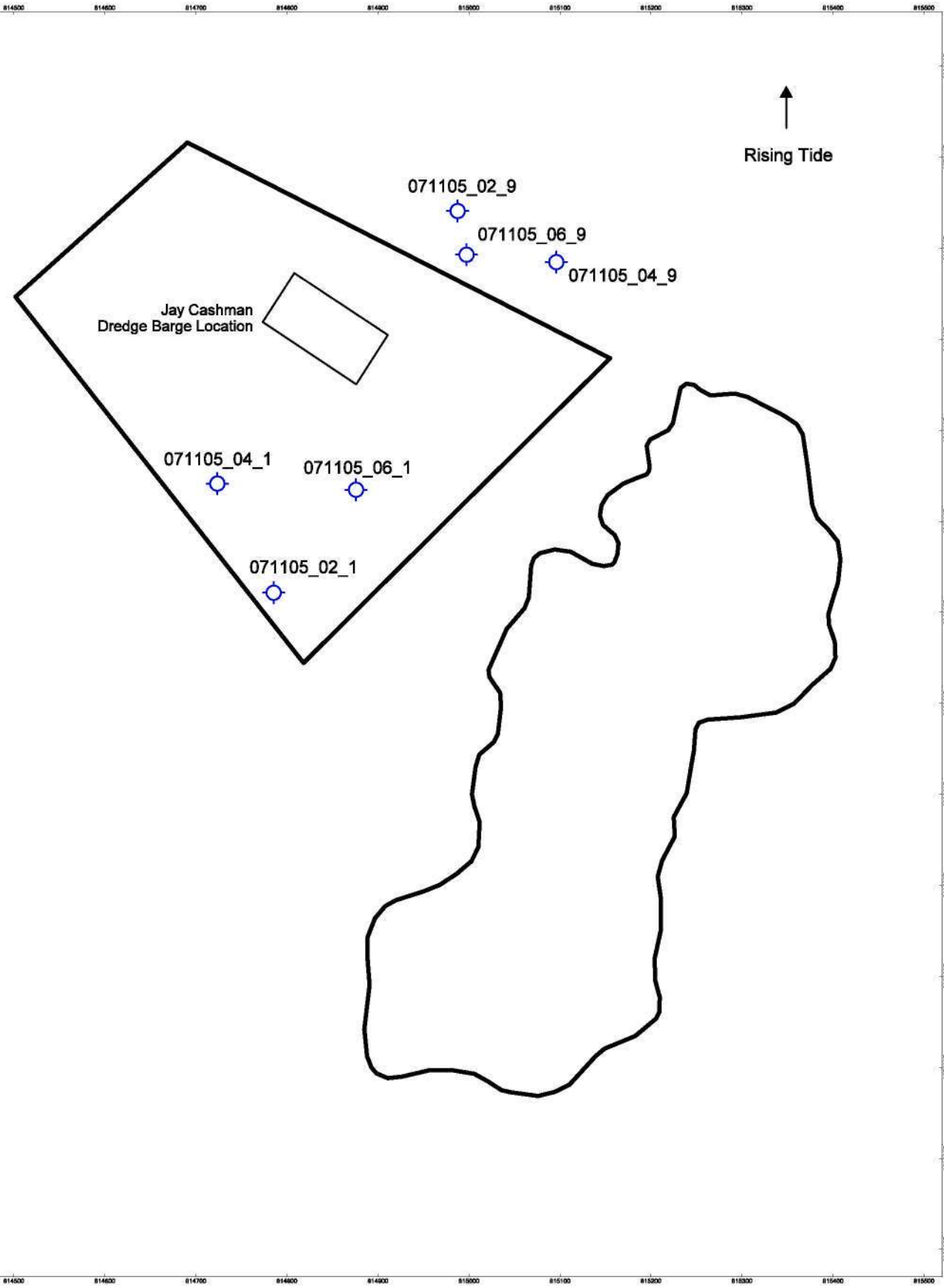


**07/07/05 Dredge Operations Water Quality  
CAD Cell Area Water Quality Monitoring Locations**  
Water Quality Stations  
**Apex Environmental, Inc.**

7/11/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - CAD Cell Excavation Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity	Permissible Turbidity	Weather Conditions	Vessel
Low 5:14				Current		(NTUs)	Increase (NTUs)		Traffic
Rising Tide	8:43	071105_02_1 (Background)	814739.92 2695456.99	Up	5 10 15 20 25 30	4.8 4.8 5.0 4.2 4.4 5.5		Sunny, ~80 Degrees NE Wind 5-10 knots	None
					<b>AVERAGE</b>	<b>4.8</b>	<b>24.8</b>		
	8:53	071105_02_9	814987.43 2696141.02	Down	5 10 15 20 25 30	10.5 15.0 7.1 35.0 11.0 22.0		Sunny, ~80 Degrees NE Wind 5-10 knots	None
					<b>AVERAGE</b>	<b>16.8</b>	8.0 NTUs		
	10:04	071105_04_1 (Background)	814982.98 2695576.6	Up	5 10 15 20 25 30	2.6 3.0 3.0 2.4 1.6 1.8	Below Permissible Turbidity Increase Limit	Sunny, ~80 Degrees NE Wind 5-10 knots	None
					<b>AVERAGE</b>	<b>2.4</b>	<b>22.4</b>		
	10:15	071105_04_9	815095.87 2696084.83	Down	5 10 15 20 25	5.7 5.5 4.8 5 8.5		Sunny, ~80 Degrees NE Wind 5-10 knots	None
					<b>AVERAGE</b>	<b>5.9</b>	(16.5 Below Limit)		
	10:46	071105_06_1 (Background)	815116.14 2695747.5	Up	5 10 15 20 25 30	2.3 3.0 6.0 6.5 6.5 3.5		Sunny, ~80 Degrees NE Wind 5-10 knots	None
					<b>AVERAGE</b>	<b>4.6</b>	<b>24.6</b>		
	10:54	071105_06_9	814997.22 2696092.99	Down	5 10 15 20	2.8 4.3 5 10		Sunny, ~80 Degrees NE Wind 5-10 knots	None
	High 12:04				<b>AVERAGE</b>	<b>5.5</b>	(19.1 Below 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.



**07/11/05 Dredge Operations Water Quality  
CAD Cell Area Water Quality Monitoring Locations**  
Water Quality Stations  
**Apex Environmental, Inc.**

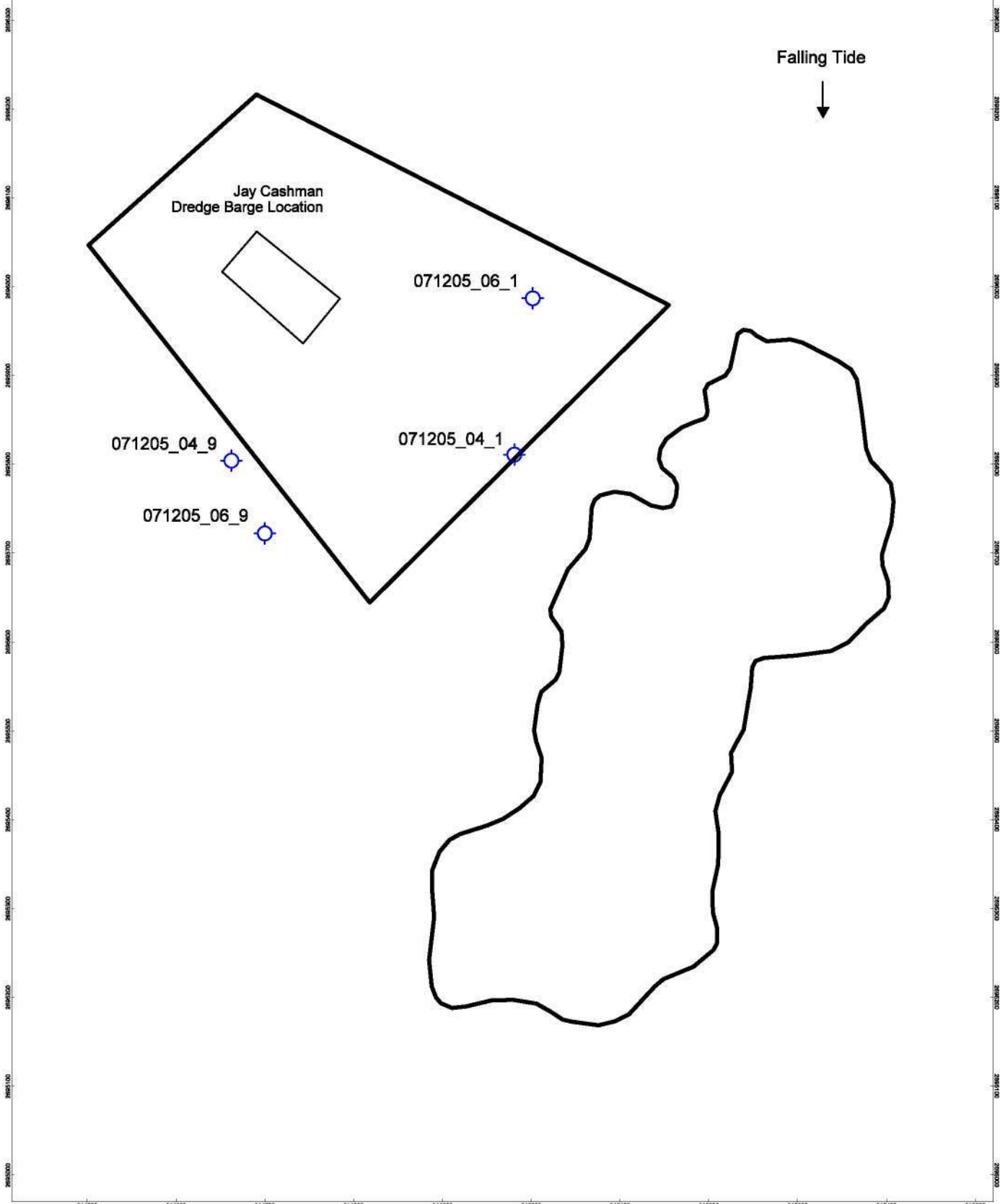
7/12/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - CAD Cell Excavation Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity	Permissible Turbidity	Weather Conditions	Vessel
High 12:44				Current		(NTUs)	Increase (NTUs)		Traffic
Falling Tide	15:22	071205_04_1 (Background)	814980.58 2695810.92	Up	5	1.8		Sunny, ~80 Degrees	None
					10	1.9		NE Wind 5-10 knots	
					15	3.0			
					20	4.1			
					25	5.5			
					30	12.0			
					<b>AVERAGE</b>	<b>4.7</b>	<b>24.7</b>		
	15:30	071205_04_9	814662.38 2695804.14	Down	5	1.9		Sunny, ~80 Degrees	None
					10	2.6		NE Wind 5-10 knots	
					15	4.9			
					20	4.8			
					25	5.4			
					30	3.5			
					<b>AVERAGE</b>	<b>3.9</b>	20.8 NTUs		
	15:52	071205_06_1 (Background)	815001.71 2695986.79	Up	5	2.0	Below Permissible	Sunny, ~80 Degrees	None
					10	2.8	Turbidity Increase Limit	NE Wind 5-10 knots	
					15	2.1			
					20	3.0			
					25	11.0			
					30	13.5			
				<b>AVERAGE</b>	<b>5.7</b>	<b>25.7</b>			
15:58	071205_06_9	814699.98 2695722.2	Down	5	2		Sunny, ~80 Degrees	None	
				10	3.3		NE Wind 5-10 knots		
				15	5.5				
				20	2.6				
				25	6.2				
				30	6				
Low 17:47				<b>AVERAGE</b>	<b>4.3</b>	(21.4 Below 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.



814500 814600 814700 814800 814900 815000 815100 815200 815300 815400 815500

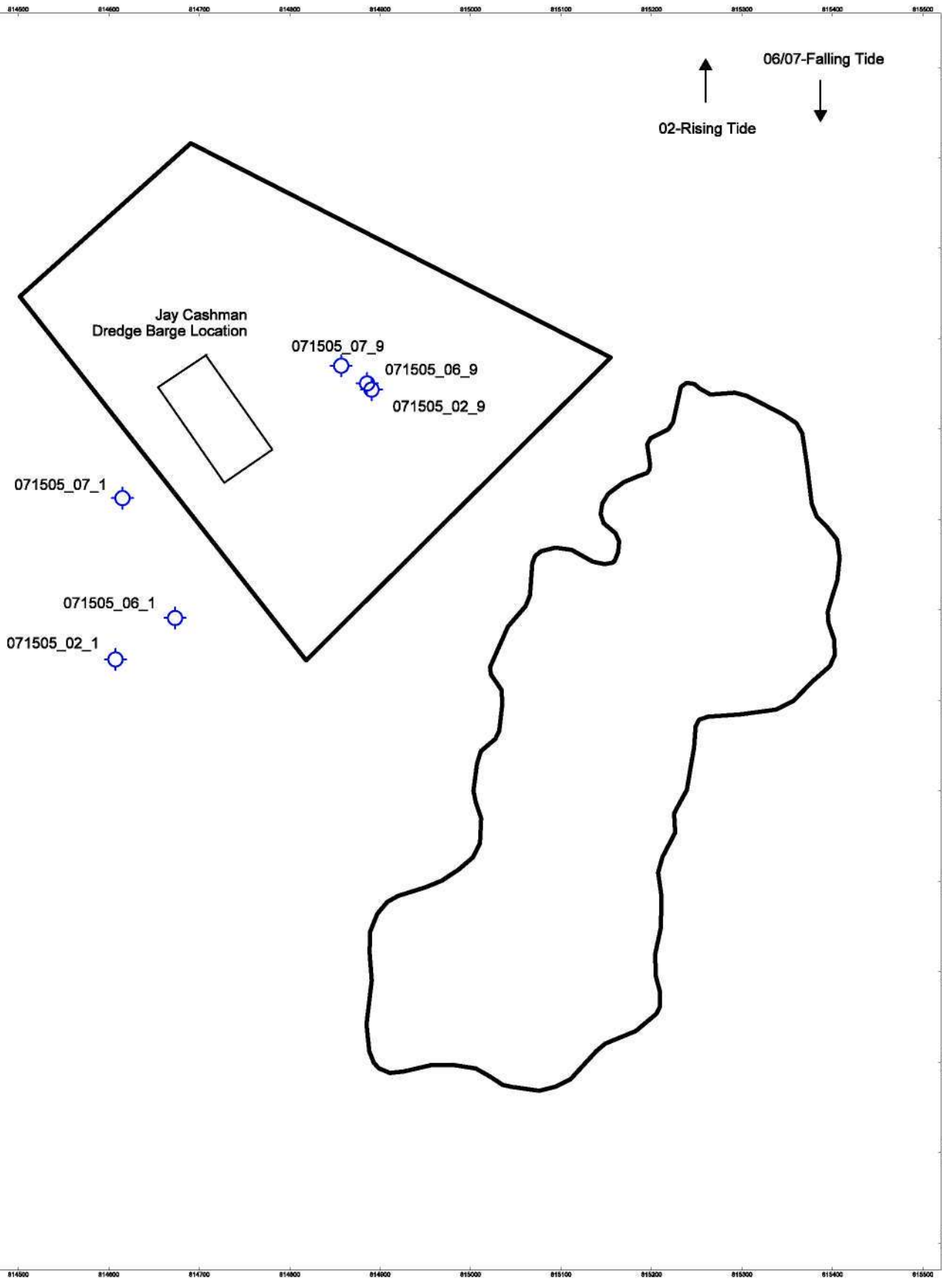


**07/12/05 Dredge Operations Water Quality**  
**CAD Cell Area Water Quality Monitoring Locations**  
 Water Quality Stations  
**Apex Environmental, Inc.**

7/15/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - CAD Cell Excavation Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic	
Low 8:01				Current						
Rising Tide	12:03	071505_02_1 (Background)	814607.4 2695645.46	Up	5 10 15 20 25 30	2.5 3.2 3.2 3.0 2.0 3.5		Cloudy, ~80 Degrees NE Wind 0-5 knots	None	
					AVERAGE	2.9	22.9			
	12:09	071505_02_9	814890.48 2695943.76	Down	5 10 15 20 25 30	3.0 2.3 1.9 2.0 2.1 3.2		Cloudy, ~80 Degrees NE Wind 0-5 knots	None	
					AVERAGE	2.4	20.5 NTUs			
	Falling Tide	17:18	071505_06_1 (Background)	814673.28 2695691.25	Up	5 10 15 20 25 30	2.8 3.6 3.1 3.4 2.6 2.5	Below Permissible Turbidity Increase Limit	Sunny, ~85 Degrees NE Wind 0-5 knots	None
						AVERAGE	3.0	23.0		
		17:23	071505_06_9	814885.59 2695950.67	Down	5 10 15 20 25 30	3.8 6.3 9.0 7.8 1.3 1.7		Sunny, ~85 Degrees NE Wind 0-5 knots	None
						AVERAGE	5.0	(18.0 Below Limit)		
		17:33	071505_07_1 (Background)	814615.08 2695823.84	Up	5 10 15 20 25 30	2.9 4.0 4.2 4.6 5.0 3.8		Sunny, ~85 Degrees NE Wind 0-5 knots	None
						AVERAGE	4.1	24.1		
17:38		071505_07_9	814856.96 2695970.18	Down	5 10 15 20 25 30	4.8 5.8 6.4 11.0 10.0 14.0		Sunny, ~85 Degrees NE Wind 0-5 knots	None	
					AVERAGE	8.7	(15.4 Below Limit)			
Low 21:18										

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.

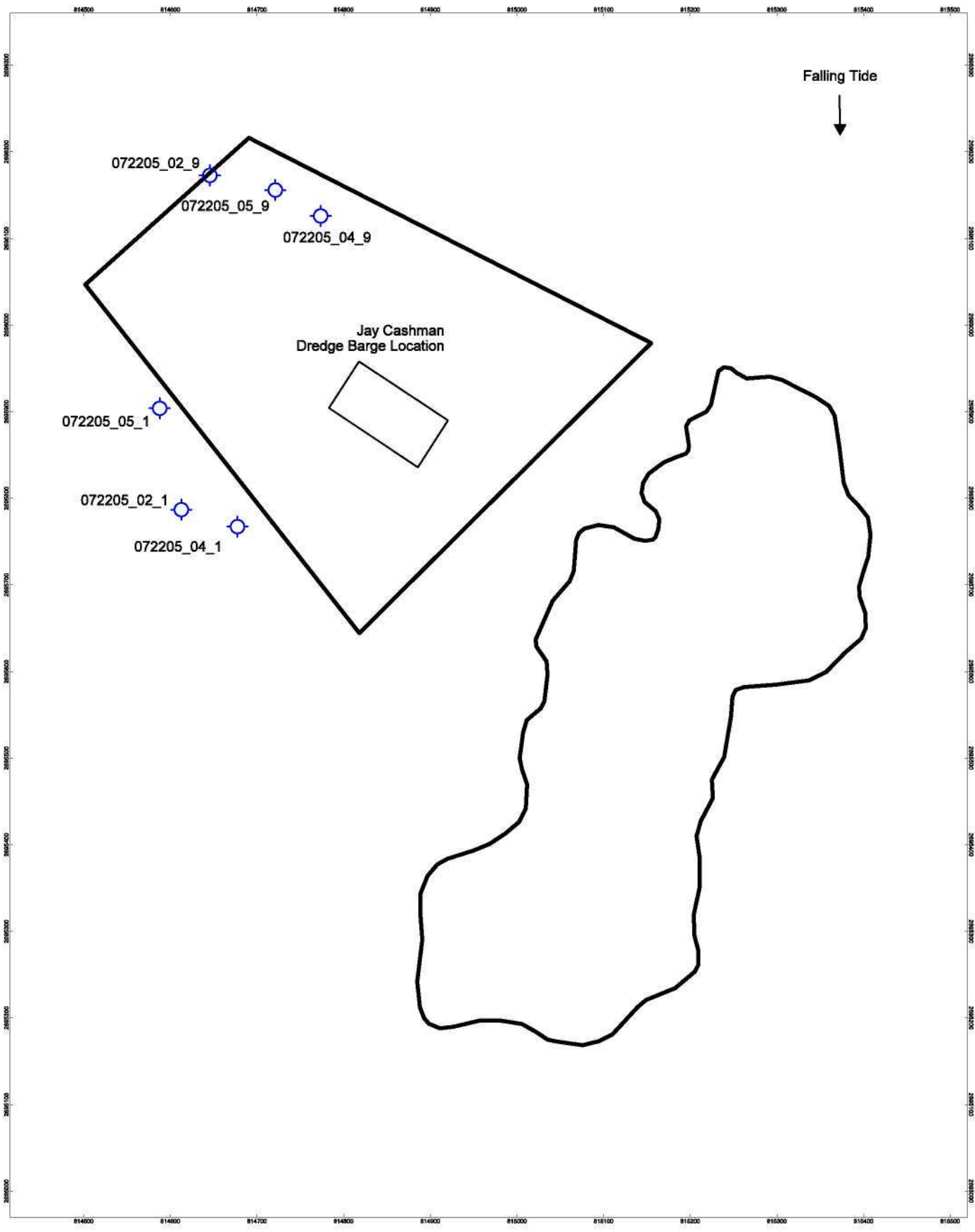


**07/15/05 Dredge Operations Water Quality**  
**CAD Cell Area Water Quality Monitoring Locations**  
 Water Quality Stations  
**Apex Environmental, Inc.**

7/22/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - CAD Cell Excavation Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 9:13				Current					
Falling Tide	10:10	072205_02_1 (Background)	814612.57 2695786.89	Up	5 10 15 20 25 30	0.2 2.4 2.6 2.6 2.7 2.6		Sunny, ~80 Degrees SE Wind 5-10 knots	None
					<b>AVERAGE</b>	<b>2.2</b>	<b>22.2</b>		
	10:17	072205_02_9	814645.5 2696172.85	Down	5 10 15 20 25 30	1.1 1.4 2.0 2.6 2.2 8.0		Sunny, ~80 Degrees SE Wind 5-10 knots	None
					<b>AVERAGE</b>	<b>2.9</b>	19.3 NTUs		
	12:43	072205_04_1 (Background)	814677.39 2695767.28	Up	5 10 15 20 25 30	2.6 2.7 2.6 2.8 3.4 5.0	Below Permissible Turbidity Increase Limit	Sunny, ~80 Degrees SE Wind 5-10 knots	None
					<b>AVERAGE</b>	<b>3.2</b>	<b>23.2</b>		
	12:48	072205_04_9	814644.69 2696093.75	Down	5 10 15 20 25 30	5.2 9.5 11.0 12.0 19.0 17.0		Sunny, ~80 Degrees SE Wind 5-10 knots	None
					<b>AVERAGE</b>	<b>12.3</b>	(10.9 Below Limit)		
	12:54	072205_05_1 (Background)	814773.41 2696126.03	Up	5 10 15 20 25 30	2.8 2.9 2.6 2.7 2.6 2.8		Sunny, ~80 Degrees SE Wind 5-10 knots	None
					<b>AVERAGE</b>	<b>2.7</b>	<b>22.7</b>		
	12:57	072205_05_9	814808 2605789.33	Down	5 10 15 20 25 30	3.4 4.7 10.5 7.4 16.0 19.0		Sunny, ~80 Degrees SE Wind 5-10 knots	None
	Low 14:47				<b>AVERAGE</b>	<b>10.2</b>	(12.6 Below 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.



**07/22/05 Dredge Operations Water Quality**  
**CAD Cell Area Water Quality Monitoring Locations**  
Water Quality Stations  
**Apex Environmental, Inc.**

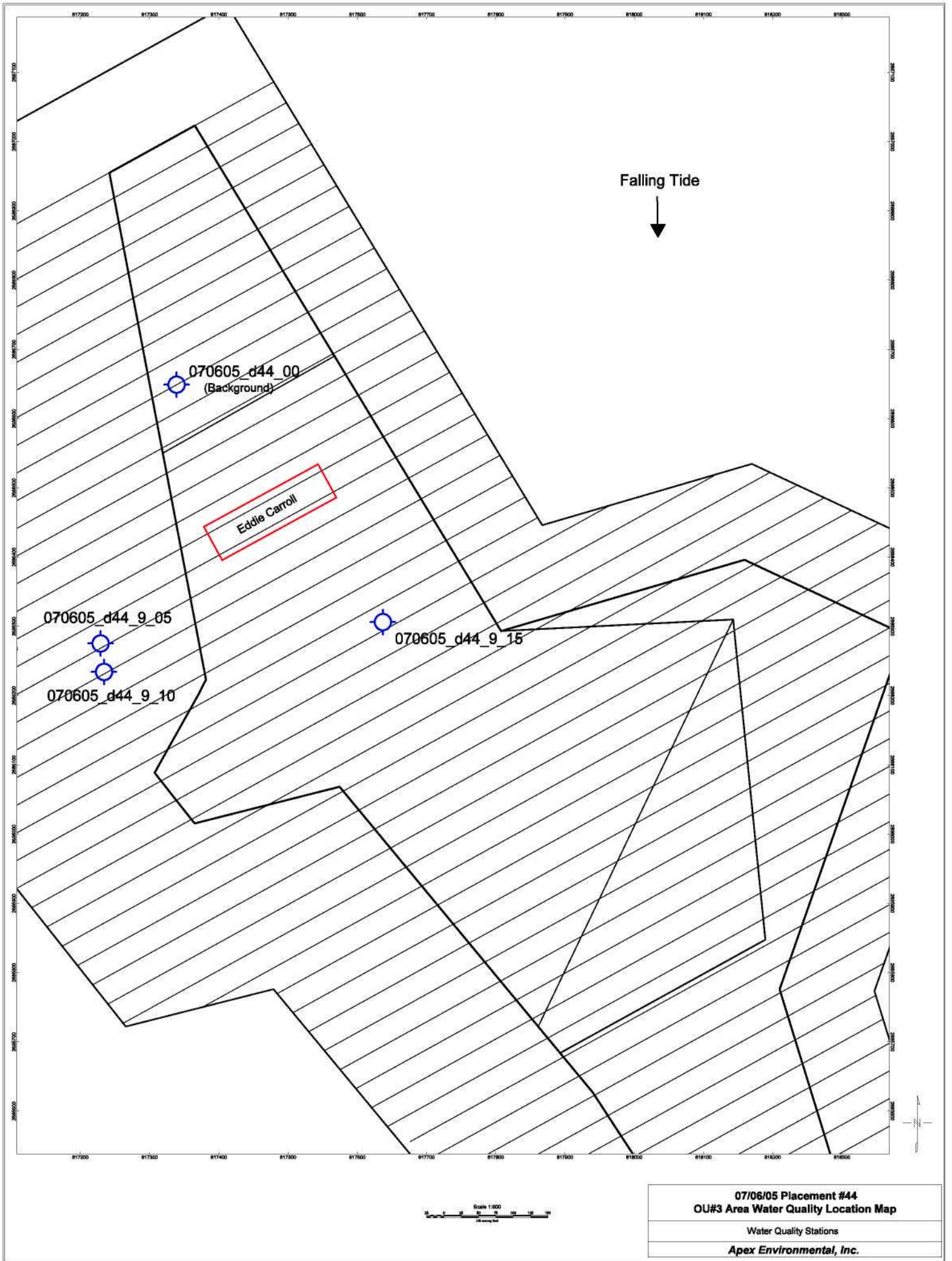


7/6/2005

New Bedford Harbor Dredge Project - Phase II  
Water Quality Monitoring - Placement Operations - OU#3 Cap Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 8:40				Current					
Falling Tide	12:33	070605_d44_00	817338.98	Up	2	7.8		Cloudy, ~80 Degrees	None
		(Background)	2686649.09		4	9.5		S Wind 1-5 Knots	
					6	11.5			
					7	9.5			
					<b>AVERAGE</b>	<b>9.6</b>	<b>49.6</b>		
	12:55	<b>PLACEMENT 44</b>	<b>STARTED</b>						
	13:00	070605_d44_9_05	817229.27	Down	2	2.9		Cloudy, ~80 Degrees	None
			2686275.37		4	3.5		S Wind 1-5 Knots	
					6	3.1			
					8	2.8			
				<b>AVERAGE</b>	<b>3.1</b>	<b>46.5 NTUs</b>			
13:06	070605_d44_9_10	817234.23	Down	2	13.0	Below Permissible	Cloudy, ~80 Degrees	None	
		2686234.23		4	12.5	Turbidity Increase Limit	S Wind 1-5 Knots		
				6	10.5				
				8	16.3				
				<b>AVERAGE</b>	<b>13.1</b>	<b>(36.5 Below Limit)</b>			
13:12	070605_d44_9_15	817636.99	Down	2	8.5		Cloudy, ~80 Degrees	None	
		2686306.24		4	6.8		S Wind 1-5 Knots		
				6	7.5				
				8	10.0				
Low 13:40				<b>AVERAGE</b>	<b>8.2</b>	<b>(41.4 Below Limit)</b>			

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.



**07/06/05 Placement #44  
OU#3 Area Water Quality Location Map**

Water Quality Stations

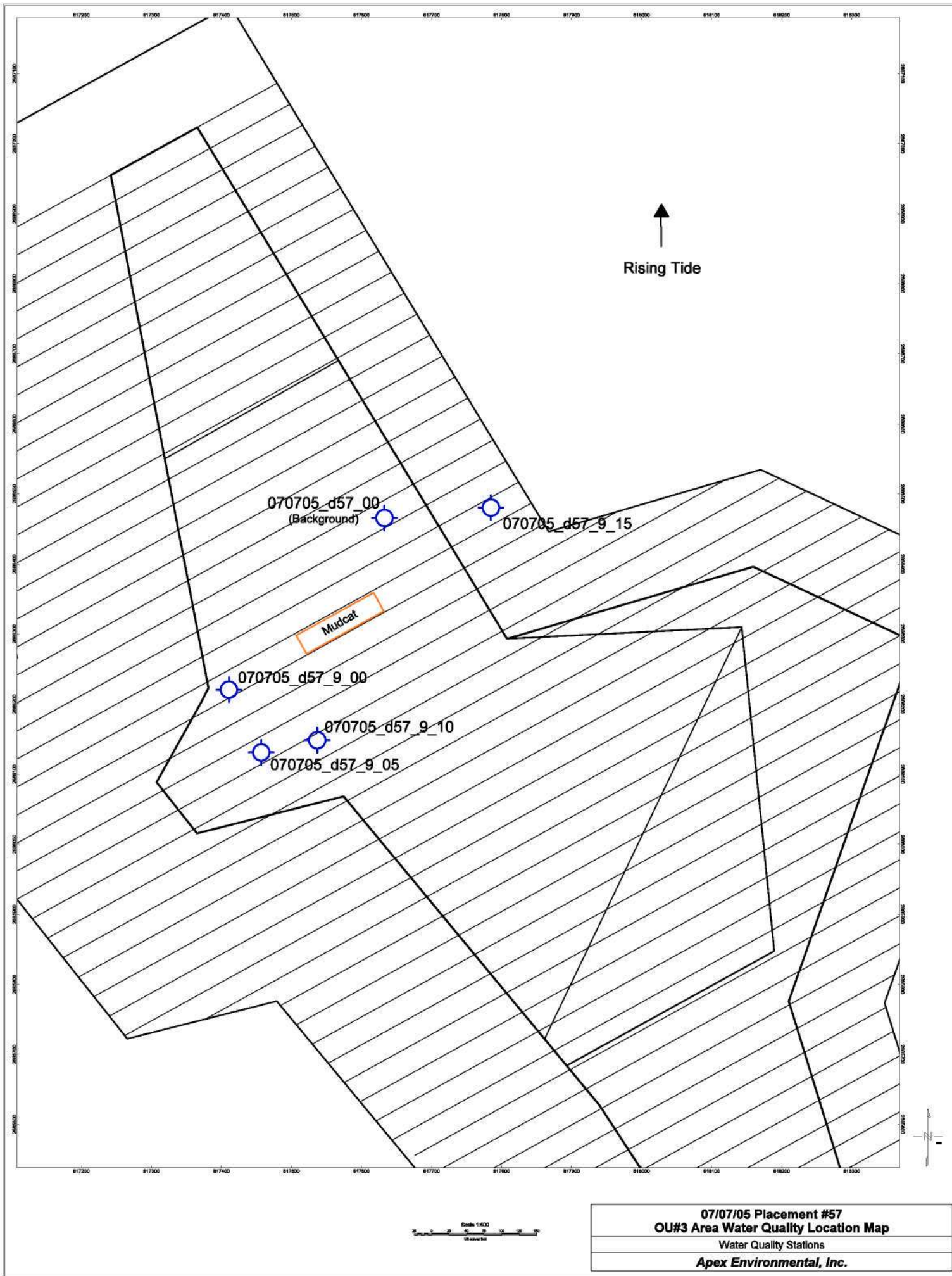
**Apex Environmental, Inc.**

7/7/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - Placement Operations - OU#3 Cap Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
Low 14:59				Current					
Rising Tide	15:54	070705_d57_00 (Background)	817632.68 2686465.82	Down	2 4 6 8	6.0 7.0 9.0 10.0		Cloudy, ~70 Degrees N Wind 5-15 Knots	None
					<b>AVERAGE</b>	<b>8.0</b>	<b>48.0</b>		
	15:59	<b>PLACEMENT 57</b>	<b>STARTED</b>						
	16:00	070705_d57_9_00	817410.56 2686220.56	Down	2 4 6 8	7.0 9.0 13.0 16.5		Cloudy, ~70 Degrees N Wind 5-15 Knots	None
					<b>AVERAGE</b>	<b>11.4</b>	<b>36.6 NTUs</b>		
	16:05	070705_d57_9_05	817456.77 2686131.07	Up	2 4 6 8	11.0 12.0 12.0 18.0	Below Permissible Turbidity Increase Limit	Cloudy, ~70 Degrees N Wind 5-15 Knots	None
					<b>AVERAGE</b>	<b>13.3</b>	<b>(34.7 Below Limit)</b>		
	16:08	070705_d57_9_10	817536.68 2686148.56	Up	2 4 6 8	12.0 14.0 16.0 17.0		Cloudy, ~70 Degrees N Wind 5-15 Knots	None
					<b>AVERAGE</b>	<b>14.8</b>	<b>(33.2 Below Limit)</b>		
	16:15	070705_d57_9_15	817784.8 2686480.46	Up	2 4 6 8	2.0 2.1 2.2 2.8		Cloudy, ~70 Degrees N Wind 5-15 Knots	None
High 21:36				<b>AVERAGE</b>	<b>2.3</b>	<b>(45.7 Below Limit)</b>			

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.





↑  
Rising Tide

070705\_d57\_00  
(Background)

070705\_d57\_9\_15

Mudcat

070705\_d57\_9\_00

070705\_d57\_9\_10

070705\_d57\_9\_05

Scale 1:600  
0 10 20 30 40 50  
ft

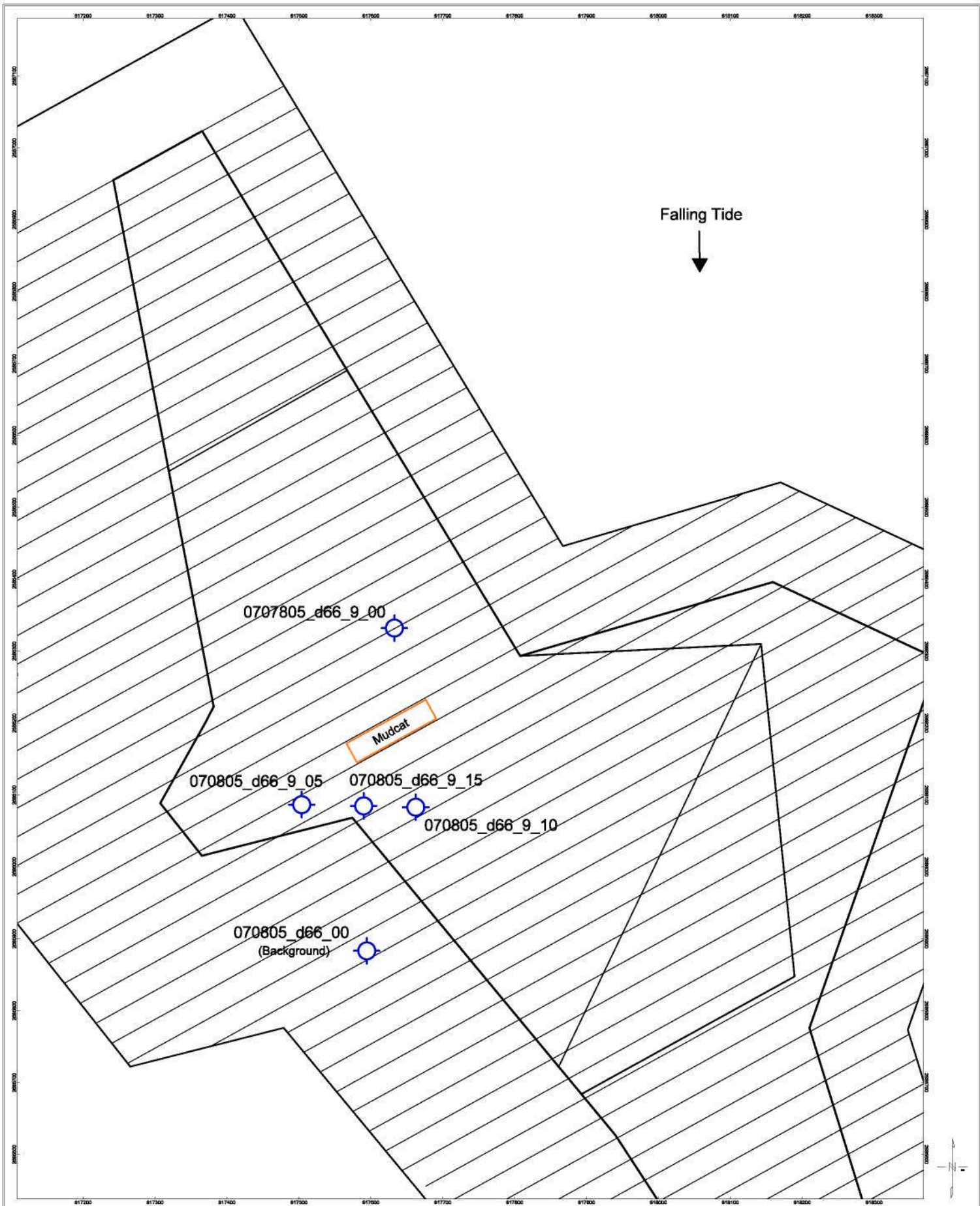
**07/07/05 Placement #57**  
**OU#3 Area Water Quality Location Map**  
Water Quality Stations  
**Apex Environmental, Inc.**

7/8/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - Placement Operations - OU#3 Cap Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 10:02				Current					
Falling Tide	9:33	070805_d66_00 (Background)	817594.42 2685883.24	Down	2 4 6 8 10	4.0 4.2 4.5 4.5 4.4		Cloudy, ~65 Degrees E, SE Wind 5-10 Knots	None
					<b>AVERAGE</b>	<b>4.3</b>	<b>44.3</b>		
	9:38	<b>PLACEMENT 66</b>	<b>STARTED</b>					Cloudy, ~65 Degrees	
	9:39	0707805_d66_9_00	817632.84 2686332.16	Up	2 4 6 8 10	2.3 2.6 2.6 2.7 2.5		E, SE Wind 5-10 Knots	None
					<b>AVERAGE</b>	<b>2.5</b>	<b>41.8 NTUs</b>		
	9:44	070805_d66_9_05	817503.9 2686086.51	Down	2 4 6 8	5.0 4.4 5.0 4.5	Below Permissible Turbidity Increase Limit	Cloudy, ~65 Degrees E, SE Wind 5-10 Knots	None
					<b>AVERAGE</b>	<b>4.7</b>	<b>(37.1 Below Limit)</b>		
	9:49	070805_d66_9_10	817662.58 2686082.98	Down	2 4 6 8 10	2.6 2.4 2.9 2.7 2.7		Cloudy, ~65 Degrees E, SE Wind 5-10 Knots	None
					<b>AVERAGE</b>	<b>2.7</b>	<b>(34.4 Below Limit)</b>		
	9:53	070805_d66_9_15	817590.14 2686084.76	Down	2 4 6 8 10	4.2 4.4 4.5 4.7 4.6		Cloudy, ~65 Degrees E, SE Wind 5-10 Knots	None
	Low 15:13				<b>AVERAGE</b>	<b>4.5</b>	<b>(29.9 Below Limit)</b>		

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.



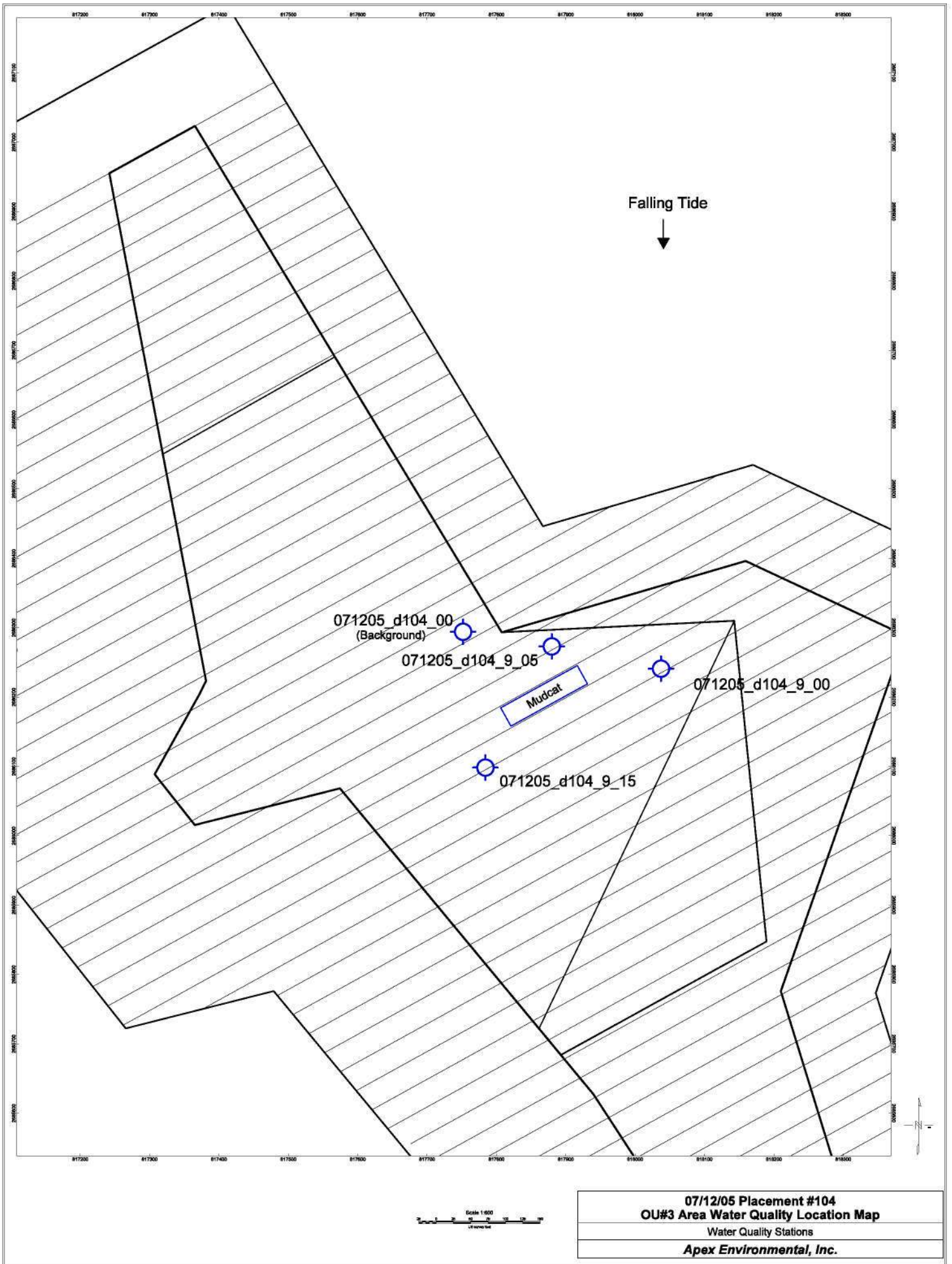


**07/08/05 Placement #66**  
**OU#3 Area Water Quality Location Map**  
Water Quality Stations  
**Apex Environmental, Inc.**

7/12/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - Placement Operations - OU#3 Cap Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity (NTUs)	Permissible Turbidity Increase (NTUs)	Weather Conditions	Vessel Traffic
High 12:44				<b>Current</b>					
Falling Tide	16:10	071205_d104_00	818012.77	Up	2	5.0		Cloudy, ~65 Degrees	None
		(Background)	2696359.72		4	4.0		E, SE Wind 5-10 Knots	
					6	4.4			
					8	6.0			
					<b>AVERAGE</b>	<b>4.9</b>	<b>44.9</b>		
	16:15	<b>PLACEMENT 104</b>	<b>STARTED</b>					Cloudy, ~65 Degrees	
	16:20	071205_d104_9_05	817879.82	Up	2	37.0		E, SE Wind 5-10 Knots	None
			2686272.97		4	36.0			
					6	34.0			
					8	40.0			
				<b>AVERAGE</b>	<b>36.8</b>	<b>8.1 NTUs</b>			
16:25	071205_d104_9_10	817751.93	Down	2	12.0	Below Permissible	Cloudy, ~65 Degrees	None	
		2686294.06		4	11.8	Turbidity Increase Limit	E, SE Wind 5-10 Knots		
				6	18.0				
				8	4.0				
				<b>AVERAGE</b>	<b>11.5</b>	<b>(33.4 Below Limit)</b>			
16:28	071205_d104_9_15	827729.61	Down	2	12.0		Cloudy, ~65 Degrees	None	
		2686205.92		4	14.0		E, SE Wind 5-10 Knots		
				6	20.0				
				8	19.5				
Low 17:22					<b>AVERAGE</b>	<b>16.4</b>	<b>(28.5 Below Limit)</b>		

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.



Falling Tide  
↓

071205\_d104\_00  
(Background)

071205\_d104\_9\_05

Mudcat

071205\_d104\_9\_15

071205\_d104\_9\_00

Scale 1:600  
0 20 40 60 80 100 120 140  
Feet

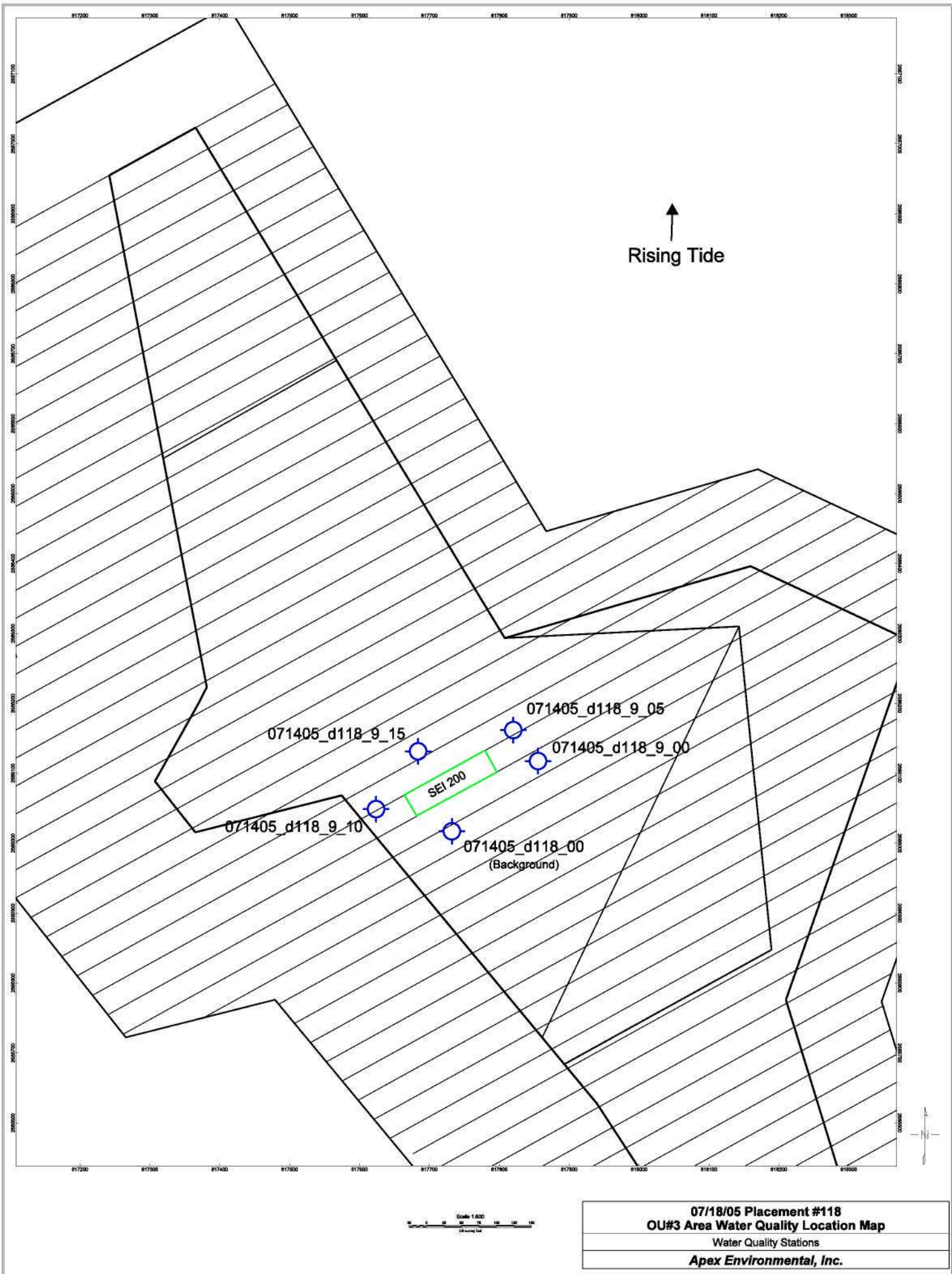
**07/12/05 Placement #104**  
**OU#3 Area Water Quality Location Map**  
Water Quality Stations  
**Apex Environmental, Inc.**



7/14/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - Placement Operations - OU#3 Cap Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity	Permissible Turbidity	Weather Conditions	Vessel
Low 7:08				Current		(NTUs)	Increase (NTUs)		Traffic
Rising Tide	9:20	071405_d118_00	817819.92	Up	2	1.3		Cloudy, ~75 Degrees	None
		(Background)	2686161.75		4	1.5		SW Wind 5-10 Knots	
					6	1.6			
					8	1.8			
					<b>AVERAGE</b>	<b>1.6</b>	<b>41.6</b>		
	9:42	<b>PLACEMENT 118</b>	<b>STARTED</b>					Cloudy, ~75 Degrees	
	9:42	071405_d118_9_00	817855.33	Down	2	1.2		SW Wind 5-10 Knots	None
			2686117.46		4	2.5			
					6	4.2			
					8	5.0			
					<b>AVERAGE</b>	<b>3.2</b>	<b>38.3 NTUs</b>		
	9:46	071405_d118_9_05	817732.02	Down	2	1.4	Below Permissible	Cloudy, ~75 Degrees	None
			2686016.99		4	2.5	Turbidity Increase Limit	SW Wind 5-10 Knots	
					6	2.2			
					8	2.1			
				<b>AVERAGE</b>	<b>2.1</b>	<b>(39.5 Below Limit)</b>			
9:51	071405_d118_9_10	817692.5	Down	2	1.8		Cloudy, ~75 Degrees	None	
		2685808.39		4	2.5		SW Wind 5-10 Knots		
				6	2.2				
				8	10.0				
				<b>AVERAGE</b>	<b>4.1</b>	<b>(37.4 Below Limit)</b>			
9:56	071405_d118_9_15	818008.59	Down	2	12.0		Cloudy, ~75 Degrees	Yes	
		2685744.23		4	14.0		SW Wind 5-10 Knots		
				6	10.0				
				8	11.0				
High 14:11				<b>AVERAGE</b>	<b>11.8</b>	<b>(29.8 Below Limit)</b>			

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.

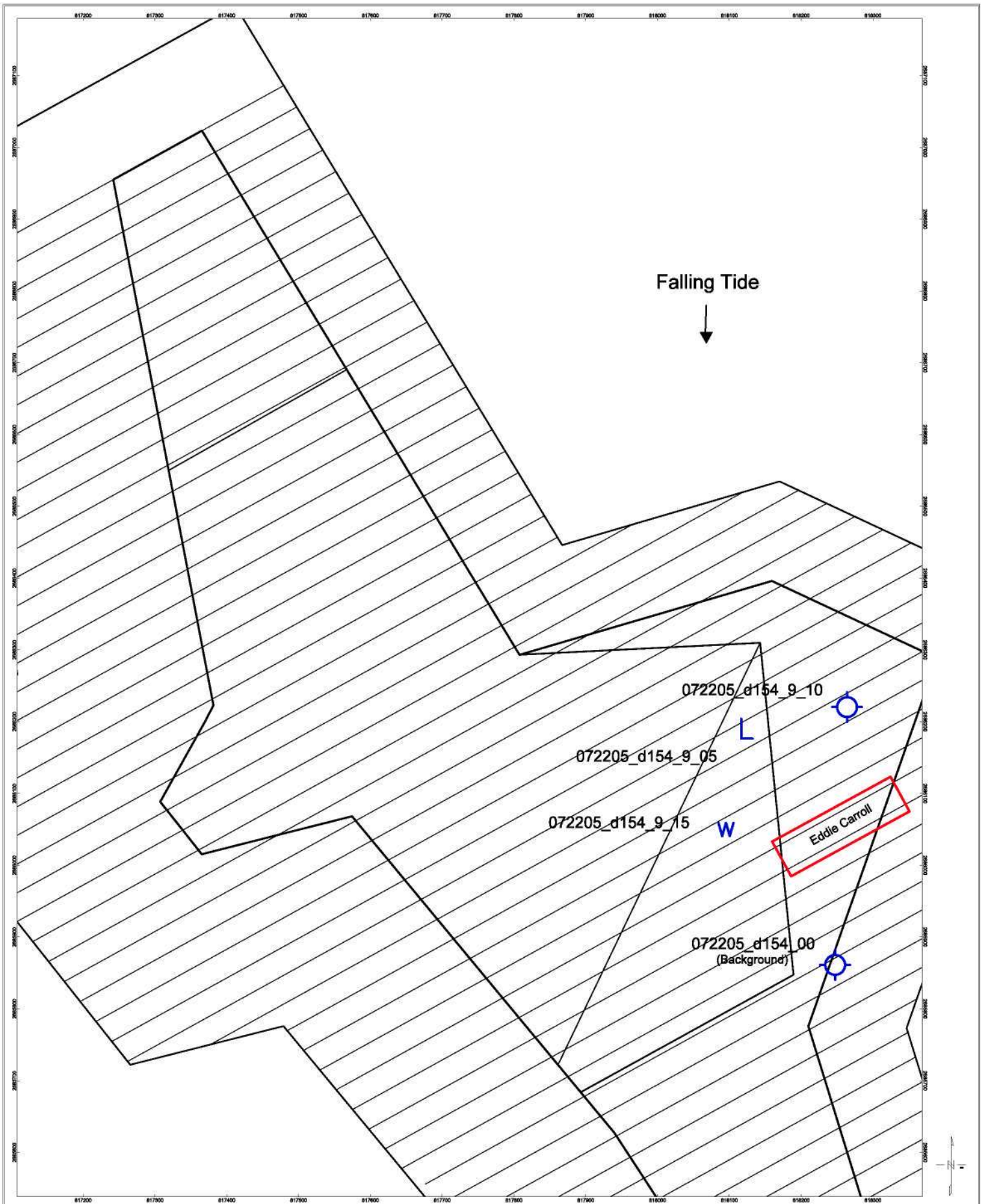




7/22/2005  
 New Bedford Harbor Dredge Project - Phase II  
 Water Quality Monitoring - Placement Operations - OU#3 Cap Area

Tide Time	Time	ID	Coordinates	Up/Down	Depth (ft.)	Ave. Turbidity	Permissible Turbidity	Weather Conditions	Vessel
High 9:13				<b>Current</b>		(NTUs)	Increase (NTUs)		<b>Traffic</b>
Falling Tide	11:23	071405_d154_00	818247.33	Down	2	1.2		Sunny, ~80 Degrees	None
		(Background)	2685861.26		4	1.0		SE Wind 5-10 Knots	
					6	1.1			
					8	1.0			
					10	1.0			
					<b>AVERAGE</b>	<b>1.1</b>	<b>41.1</b>		
	<b>12:00</b>	<b>PLACEMENT 154</b>	<b>STARTED</b>					Sunny, ~80 Degrees	
	12:03	071405_d154_9_05	818111.32	Up	2	14.0		SE Wind 5-10 Knots	Yes
			2686176.54		4	22.0			
					6	24.0			
				8	20.0				
				10	12.0				
				<b>AVERAGE</b>	<b>18.4</b>	<b>22.7 NTUs</b>			
12:08	071405_d154_9_10	818263.87	Up	2	1.0	Below Permissible	Sunny, ~80 Degrees	None	
		2686220.39		4	1.5	Turbidity Increase Limit	SE Wind 5-10 Knots		
				6	1.2				
				8	3.9				
				10	5.0				
				12	13.0				
				<b>AVERAGE</b>	<b>4.3</b>	<b>(36.8 Below Limit)</b>			
12:15	071405_d154_9_15	818080.84	Up	2	1.3		Sunny, ~80 Degrees	None	
		2686040.82		4	15.0		SE Wind 5-10 Knots		
				6	10.0				
				8	31.0				
				10	18.0				
				12	20.0				
Low 14:47				<b>AVERAGE</b>	<b>15.9</b>	<b>(25.2 Below Limit)</b>			

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.



**07/22/05 Placement #154**  
**OU#3 Area Water Quality Location Map**  
 Water Quality Stations  
**Apex Environmental, Inc.**