Table A-2. Historical Newark Bay Study Area Data

					Benzo(a)pyrene			Chromium			Total DDT			Mercury			Total PCBs			2,3,7,8-TCDD		
Station	Geomorphic Unit	Dredged	Start Depth (cm)	End Depth (cm)	mg/kg	Qualifier	Use	mg/kg	Qualifier	Use	mg/kg	Qualifier	Use	mg/kg	Qualifier	Use	mg/kg	Qualifier	Use	ng/kg	Qualifier	Use
09_16	Channel	Active	0.0	3.0	1.14		S	84.50		S	0.05		S	1.40		S	0.19		S	NA		NA
09_17	Channel	Active	0.0	3.0	2.92		DW	163.50		DW	1.57		DW	3.90		DW	0.60		DW	NA		NA
13_R19	Flat	Active	0.0	15.2	5.90		EXCL	74.00		EXCL	0.09		EXCL	1.10		EXCL	1.20		EXCL	12.00		EXCL
13_R7	Flat	Active	0.0	15.2	2.00	U	EXCL	65.00		EXCL	3.09		EXCL	1.50		EXCL	0.05	U	EXCL	14.00	U	EXCL
15_20	Flat	Active	0.0	3.0	3.20		S	96.30		S	0.04		S	1.92		S	0.15		S	38.00		S
15_21	Channel	Active	0.0	3.0	2.80		S	135.00		S	0.05		S	1.90		S	0.26		S	140.00		S
15_22	Channel	Active	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	38.00		S
15_23	Channel	Active	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	3.60		S
15_24	Channel	Active	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	3.30		S
15_25	Channel	Active	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	96.80		S
15_26	Flat	Active	0.0	3.0	0.54		S	277.00		S	0.11		S	3.89		S	1.28		S	470.00		S
15_27	Flat	Active	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	134.00		S
15_29	Port	Active	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	113.60		S
15_30	Port	Active	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	155.00		S
15_31	Port	Active	0.0	3.0	0.45		S	NA		NA	0.12		S	2.34		S	0.26		S	62.00		S
15_32	Port	Previously Dredged	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	45.70		DW
15_33	Port	Previously Dredged	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	132.00		S
15_34	Flat	Active	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	50.70		S
15_35	Flat	Active	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	42.60		S
15_36	Flat	Active	0.0	3.0	0.74		S	122.00		S	0.17		S	1.89		S	0.30		S	55.00		S
15_37	Port	Previously Dredged	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	96.40		DW
15_38	Flat	Active	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	59.60		DW
15_39	Channel	Previously Dredged	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	268.00		DW
15_40	Channel	Previously Dredged	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	56.70		DW
15_41	Channel	Previously Dredged	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	10.60		DW
15_44	Flat	Active	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	91.80		S
15_48	Channel	Previously Dredged	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	55.80		DW
15_49	Channel	Previously Dredged	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	48.40		DW
15_51	Flat	Active	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	47.60		S
15_54	Flat	Previously Dredged	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	59.60		S
15_55	Channel	Previously Dredged	0.0	3.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	65.00		S
15_56	Flat	Previously Dredged	0.0	3.0	0.55		S	NA		NA	0.10		S	1.79		S	0.20		S	30.00		S
15_57	Channel	Previously Dredged	0.0	3.0	0.08		S	72.85		S	0.01		S	0.66		S	0.01		S	3.60		S
16_90-260	Flat	Active	0.0	2.0	0.33		S	130.00		S	0.03		S	2.36		S	0.05		S	NA		NA
17_26A	Flat	Active	0.0	5.2	0.53	J	S	153.00	JX	S	0.04	NJ	S	5.70		S	0.17		S	110.00		S
17_26A	Flat	Active	45.7	50.9	0.50	U	S,NA	25.50	JX	S,NA	0.01	U	S,NA	0.12	U	S,NA	0.05	U	S,NA	0.15	U	S,NA
17_26A	Flat	Active	96.6	101.5	0.55	U	S,NA	23.50	JX	S,NA	0.01	U	S,NA	0.12	U	S,NA	0.05	U	S,NA	185.00		S,NA
17_37A	Flat	Active	0.0	5.2	0.50	U	S	24.80		S	0.01	U	S	0.12	U	S	0.05	U	S	0.37	U	S
17_37A	Flat	Active	45.7	50.9	0.60	U	S,NA	30.50		S,NA	0.01	U	S,NA	0.14	U	S,NA	0.06	U	S,NA	0.18	U	S,NA
17_37A	Flat	Active	96.6	101.5	2.15	U	S,NA	23.70	JX	S,NA	0.06	UJ	S,NA	1.10	UJ	S,NA	0.44	UJ	S,NA	0.25	U	S,NA
17_42A	Flat	Active	0.0	5.2	0.33	J	S	62.00		S	0.05	NJ	S	2.20		S	0.05	U	S	19.00		S&DW
17_42A	Flat	Active	45.7	50.9	0.42	U	S,NA	12.10		S,NA	0.01	U	S,NA	0.09	U	S,NA	0.04	U	S,NA	0.33	U	S&DW
17_42A	Flat	Active	96.6	101.5	0.39	U	S,NA	24.70		S,NA	0.01	U	S,NA	0.09	U	S,NA	0.04	U	S,NA	0.11	U	S&DW
17_44A	Flat	Active	0.0	5.2	1.40	J	S	148.00	JX	S	0.03	NJ	S	4.30	JX	S	0.08	U	S	25.00		S
17_44A	Flat	Active	20.4	25.3	2.90		S,NA	191.00	JX	S,NA	0.10		S,NA	7.80	JX	S,NA	0.31		S,NA	38.00		S,NA
17_44A	Flat	Active	45.7	50.9	1.60	J	S,NA	335.00	JX	S,NA	0.02	U	S,NA	13.00	JX	S,NA	0.27		S,NA	42.00		S,NA
17_47A	Channel	Previously Dredged	0.0	5.2	11.00	D	DW	71.30		DW	0.18	U	DW	3.90		DW	0.05	U	DW	28.00		DW
17_47A	Channel	Previously Dredged	20.4	25.3	0.38	U	DW	21.70		DW	0.01	U	DW	0.09	U	DW	0.04	U	DW	0.31	U	DW
17_47A	Channel	Previously Dredged	45.7	50.9	0.39	U	DW	17.20		DW	0.01	U	DW	0.09	U	DW	0.04	U	DW	0.41	U	DW
17_48A	Flat	Active	0.0	5.2	1.10	J	EXCL	84.90	JX	EXCL	0.01	U	EXCL	3.90	JX	EXCL	0.08	U	EXCL	1.05	U	EXCL
17_48A	Flat	Active	20.4	25.3	2.10		EXCL	255.00	JX	EXCL	0.32		EXCL	5.00	JX	EXCL	0.73		EXCL	39.00		EXCL
17_48A	Flat	Active	45.7	50.9	1.40	J	EXCL	383.00	JX	EXCL	0.14		EXCL	14.10	JX	EXCL	0.65		EXCL	80.00		EXCL
17_49A	Flat	Active	0.0	5.2	0.47	J	EXCL	29.30	JL	EXCL	0.05	NJ	EXCL	0.96	JX	EXCL	0.04	U	EXCL	4.40		EXCL
17_49A	Flat	Active	45.7	50.9	0.38	U	EXCL	6.10	JL	EXCL	0.01	U	EXCL	0.18	UJ	EXCL	0.04	U	EXCL	0.09	U	EXCL
17_49A	Flat	Active	96.6	101.5	0.31	J	EXCL	40.90	JL	EXCL	0.01	U	EXCL	0.29	UJ	EXCL	0.06	U	EXCL	0.48	U	EXCL
18_63A	Port	Previously Dredged	0.0	5.2	0.48		S	178.00		S	0.08		S	3.50		S	1.23		S	63.00		S
18_63A	Port	Previously Dredged	61.0	66.1	0.73		S,NA	175.00		S,NA	0.07		S,NA	2.90		S,NA	0.98		S,NA	110.00		S,NA
18_63A	Port	Previously Dredged	121.9	127.1	0.79		S,NA	214.00		S,NA	0.10	U	S,NA	8.50		S,NA	1.41		S,NA	94.00		S,NA
18_64A	Port	Active	0.0	5.2	0.70		S	178.00		S	0.05		S	3.40		S	1.08		S	50.00		S
18_64A	Port	Active	61.0	66.1	0.94		S,NA	150.00		S,NA	0.09		S,NA	3.30		S,NA	1.04		S,NA	81.00		S,NA
18_64A	Port	Active	121.9	127.1	17.50	U	S,NA	197.00		S,NA	0.05	U	S,NA	2.90		S,NA	0.78		S,NA	58.00		S,NA
18_65A	Port	Previously Dredged	0.0	5.2	23.00	U	DW	170.00		DW	0.12		DW	4.20		DW	0.97		DW	60.00		DW
18_65A	Port	Previously Dredged	61.0	66.1	0.43	U	DW	20.50		DW	0.01	U	DW	0.24		DW	0.04	U	DW	1.30		DW
18_65A	Port	Previously Dredged	121.9	127.1	0.44	U	DW	25.00		DW	0.01	U	DW	0.34		DW	0.02	U	DW	0.19	U	DW
18_66A	Port	Previously Dredged	0.0	5.2	0.44	U	DW	20.10		DW	0.01	U	DW	0.13		DW	0.04	U	DW	0.35	U	DW

PRIVILEGED AND CONFIDENTIAL
ATTORNEY CLIENT WORK PRODUCT ONLY

Table A-2. Historical Newark Bay Study Area Data

					Benzo(a)pyrene			Chromium			Total DDT			Mercury			Total PCBs			2,3,7,8-TCDD		
Station	Geomorphic Unit	Dredged	Start Depth (cm)	End Depth (cm)	mg/kg	Qualifier	Use	mg/kg	Qualifier	Use	mg/kg	Qualifier	Use	mg/kg	Qualifier	Use	mg/kg	Qualifier	Use	ng/kg	Qualifier	Use
18_66A	Port	Previously Dredged	61.0	66.1	0.44	U	DW	18.50		DW	0.01	U	DW	0.13		DW	0.04	U	DW	0.19	U	DW
18_66A	Port	Previously Dredged	121.9	127.1	0.44	U	DW	19.00		DW	0.01	U	DW	0.13		DW	0.04	U	DW	0.25	U	DW
18_68A	Channel	Previously Dredged	0.0	5.2	0.43		DW	157.00		DW	0.12	U	DW	3.00		DW	0.81	U	DW	45.00		DW
18_68A	Channel	Previously Dredged	61.0	66.1	0.49		DW	190.00		DW	0.24		DW	3.10		DW	0.71		DW	40.00		DW
18_68A	Channel	Previously Dredged	121.9	127.1	0.28		DW	95.50		DW	0.08	U	DW	1.40		DW	0.53	U	DW	28.00		DW
18_69A	Channel	Previously Dredged	0.0	5.2	0.75	U	DW	114.00		DW	0.06		DW	2.30		DW	0.28		DW	25.00		DW
18_69A	Channel	Previously Dredged	61.0	66.1	0.78		DW	158.00		DW	0.17		DW	3.60		DW	0.62		DW	46.00		DW
18_69A	Channel	Previously Dredged	121.9	127.1	0.32		DW	112.00		DW	0.05		DW	2.90		DW	0.18		DW	28.00		DW
18_70A	Channel	Previously Dredged	0.0	5.2	0.66		DW	159.00		DW	0.73		DW	3.40		DW	1.03		DW	88.00		DW
18_70A	Channel	Previously Dredged	61.0	66.1	0.74		DW	210.00		DW	0.32		DW	4.50		DW	1.16		DW	41.00		DW
18_70A	Channel	Previously Dredged	121.9	127.1	0.68		DW	163.00		DW	0.08		DW	2.90		DW	1.12		DW	33.00		DW
18_71A	Channel	Previously Dredged	0.0	5.2	0.47	U	DW	24.50		DW	0.01	U	DW	0.49		DW	0.05	U	DW	2.60		DW
18_71A	Channel	Previously Dredged	61.0	66.1	0.44	U	DW	22.80		DW	0.01	U	DW	0.53		DW	0.04	U	DW	0.26	U	DW
18_71A	Channel	Previously Dredged	121.9	127.1	0.44	U	DW	22.10		DW	0.01	U	DW	0.76		DW	0.04	U	DW	0.19	U	DW
18_72A	Flat	Active	0.0	5.2	0.43		S	206.00		S	0.20		S	3.50		S	0.10	U	S	49.00		S
18_72A	Flat	Active	61.0	66.1	0.44		S,NA	176.00		S,NA	0.10		S,NA	2.40		S,NA	0.25		S,NA	50.00		S,NA
18_72A	Flat	Active	121.9	127.1	0.49	U	S,NA	93.40		S,NA	0.02		S,NA	1.80		S,NA	0.13		S,NA	7.40		S,NA
20_81A	Channel	Active	0.0	5.2	0.61		S	142.00		S	0.07	U	S	2.10		S	0.48	U	S	120.00		S
20_81A	Channel	Active	55.8	61.0	1.20		S,NA	371.00		S,NA	0.16		S,NA	4.40		S,NA	0.70	U	S,NA	160.00		S,NA
20_81A	Channel	Active	116.7	121.9	0.70		S,NA	285.00		S,NA	0.34		S,NA	10.80		S,NA	1.89		S,NA	630.00		S,NA
20_82A	Flat	Active	0.0	5.2	1.10		S	177.00		S	0.09	U	S	3.30		S	0.62	U	S	79.00		S
20_82A	Flat	Active	55.8	61.0	0.26	U	S,NA	31.50		S,NA	0.01	U	S,NA	0.49		S,NA	0.05	U	S,NA	0.84		S,NA
20_82A	Flat	Active	116.7	121.9	0.52		S,NA	24.90		S,NA	0.01	U	S,NA	0.08	U	S,NA	0.06	U	S,NA	0.19	U	S,NA
20_84B	Flat	Active	0.0	5.2	0.83		S	68.70		S	0.19		S	2.50		S	1.05		S	4.30		S
20_84B	Flat	Active	55.8	61.0	0.58		S,NA	53.80		S,NA	0.12		S,NA	0.52		S,NA	0.04	U	S,NA	1.00		S,NA
20_84B	Flat	Active	116.7	121.9	3.60		S,NA	124.00		S,NA	0.21		S,NA	4.10		S,NA	1.90		S,NA	4.40		S,NA
20_85A	Port	Previously Dredged	0.0	5.2	2.10		S	397.00		S	0.26		S	2.70		S	4.64		S	180.00		S
20_85A	Port	Previously Dredged	55.8	61.0	4.90		S,NA	517.00		S,NA	0.37	U	S,NA	4.50		S,NA	14.14		S,NA	310.00		S,NA
20_85A	Port	Previously Dredged	116.7	121.9	6.10		S,NA	500.00		S,NA	0.30	U	S,NA	2.00		S,NA	9.35		S,NA	550.00		S,NA
20_86A	Port	Previously Dredged	0.0	5.2	0.56		DW	179.00		DW	0.08		DW	1.40		DW	1.41		DW	32.00		DW
20_86A	Port	Previously Dredged	55.8	61.0	0.78		DW	159.00		DW	0.12		DW	1.20		DW	2.21		DW	26.00		DW
20_86A	Port	Previously Dredged	116.7	121.9	0.42		DW	157.00		DW	0.11		DW	1.50		DW	1.89		DW	21.00		DW
20_87A	Flat	Active	0.0	5.2	2.10		S	367.00		S	0.23		S	6.70		S	2.82		S	1.80		S
20_87A	Flat	Active	55.8	61.0	1.20		S,NA	219.00		S,NA	0.01	U	S,NA	3.40		S,NA	0.63		S,NA	0.55		S,NA
20_87A	Flat	Active	116.7	121.9	0.46		S,NA	19.20		S,NA	0.01	U	S,NA	0.53		S,NA	0.04	U	S,NA	130.00		S,NA
20_88A	Flat	Active	0.0	5.2	0.25		S	37.70		S	0.02	U	S	0.61		S	0.13		S	5.50		S
20_88A	Flat	Active	55.8	61.0	0.58		S,NA	75.20		S,NA	0.10	U	S,NA	2.00		S,NA	0.49	U	S,NA	5.00		S,NA
20_88A	Flat	Active	116.7	121.9	0.41		S,NA	24.80		S,NA	0.01	U	S,NA	0.63		S,NA	0.04	U	S,NA	0.12	U	S,NA
21_98A	Flat	Active	0.0	5.2	1.50	U	S	25.60		S	0.03		S	0.06	U	S	0.73		S	19.00		S
21_98A	Flat	Active	86.3	91.4	0.25		S,NA	30.80		S,NA	0.01	U	S,NA	0.08	U	S,NA	0.06	U	S,NA	0.38	U	S,NA
21_98A	Flat	Active	137.2	142.3	0.41		S,NA	17.60		S,NA	0.01	U	S,NA	0.06	U	S,NA	0.05	U	S,NA	0.16	U	S,NA
21_98A	Flat	Active	177.7	182.9	0.25	U	S,NA	18.10		S,NA	0.01	U	S,NA	0.06	U	S,NA	0.05	U	S,NA	0.09	U	S,NA
26_NB021	Flat	Active	0.0	2.0	0.81		S	50.70		S	0.04		S	1.28		S	0.18		S	NA		NA
26_NB025	Flat	Active	0.0	2.0	1.20		S	165.90		S	0.04		S	2.54		S	0.30		S	NA		NA
26_NB027	Flat	Active	0.0	2.0	2.00		S	155.00		S	0.14		S	2.87		S	0.45		S	NA		NA
26_NB036	Flat	Active	0.0	2.0	0.93		S	180.60		S	0.32		S	2.94		S	0.99		S	NA		NA
26_NB039	Flat	Active	0.0	2.0	0.70		S	230.00		S	0.05		S	3.91		S	0.46		S	NA		NA
26_NB044	Flat	Active	0.0	2.0	0.57		S	153.90		S	0.14		S	3.80		S	0.52		S	NA		NA
26_NB045	Flat	Active	0.0	2.0	0.49		S	109.30		S	0.03		S	1.43		S	0.25		S	NA		NA
26_NB047	Channel	Active	0.0	2.0	0.63		DW	195.40		DW	0.89		DW	5.36		DW	0.69		DW	NA		NA
26_NB052	Flat	Active	0.0	2.0	0.28		S&DW	61.70		S&DW	0.02		S&DW	0.63		S&DW	0.17		S&DW	NA		NA
26_NB053	Flat	Previously Dredged	0.0	2.0	0.59		S	124.30		S	0.04		S	1.80		S	0.32		S	NA		NA
26_NB065	Flat	Active	0.0	2.0	2.00		S	45.10		S	0.01		S	0.41		S	0.16		S	NA		NA
26_NB066	Flat	Active	0.0	2.0	1.10		S	196.90		S	0.10		S	3.48		S	0.76		S	NA		NA
27_NB102	Port	Previously Dredged	0.0	2.0	0.78		DW	244.00		DW	0.09		DW	2.41		DW	1.44		DW	NA		NA
27_NB103	Flat	Active	0.0	2.0	0.72		S	149.00		S	0.10		S	2.35		S	0.38		S	NA		NA
27_NB104	Flat	Active	0.0	2.0	0.07		S	26.50		S	0.00		S	0.17		S	0.02		S	NA		NA
27_NB105	Channel	Active	0.0	2.0	0.38		S	132.00		S	0.05		S	2.17		S	0.28		S	NA		NA
27_NB106	Flat	Active	0.0	2.0	0.80		S	177.00		S	0.08		S	3.42		S	0.68		S	NA		NA
27_NB110	Flat	Active	0.0	2.0	0.14		S	49.60		S	0.01		S	0.52		S	0.08		S	NA		NA
27_NB112	Port	Active	0.0	2.0	0.48		S	162.00		S	0.08		S	2.75		S	0.31		S	NA		NA
27_NB113	Flat	Active	0.0	2.0	0.58		S	116.00		S	0.12		S	2.15		S	0.28		S	NA		NA
27_NB115	Flat	Active	0.0	2.0	0.55		S	128.00		S	0.05		S	1.73		S	0.30		S	17.98		S
34_RCHA-NE	Port	Previously Dredged	0.0	15.2	0.74		S	95.30		S	0.02	U	S	3.40		S	0.20		S	80.00		S
34_RCHA-NE	Port	Previously Dredged	15.2	100.6	0.36	U	S,NA	261.00		S,NA	0.06		S,NA	10.85		S,NA	0.41		S,NA	165.00		S,NA

PRIVILEGED AND CONFIDENTIAL
ATTORNEY CLIENT WORK PRODUCT ONLY

Table A-2. Historical Newark Bay Study Area Data

					Benzo(a)pyrene			Chromium			Total DDT			Mercury			Total PCBs			2,3,7,8-TCDD		
Station	Geomorphic Unit	Dredged	Start Depth (cm)	End Depth (cm)	mg/kg	Qualifier	Use	mg/kg	Qualifier	Use	mg/kg	Qualifier	Use	mg/kg	Qualifier	Use	mg/kg	Qualifier	Use	ng/kg	Qualifier	Use
34_RCHA-NW2	Port	Previously Dredged	0.0	15.2	0.41	U	S	128.00		S	0.01	U	S	5.30		S	0.10		S	90.00		S
34_RCHA-NW2	Port	Previously Dredged	15.2	54.9	0.36	U	S,NA	214.00		S,NA	0.03	U	S,NA	12.40		S,NA	0.21		S,NA	190.00		S,NA
34_RCHA-NW2	Port	Previously Dredged	54.9	97.5	0.57		S,NA	958.00		S,NA	0.31		S,NA	9.00		S,NA	0.85		S,NA	6200.00		S,NA
34_RCHA-SE	Port	Previously Dredged	0.0	15.2	0.40	U	S	25.60		S	0.04		S	5.40		S	0.23		S	120.00		S
34_RCHA-SE	Port	Previously Dredged	15.2	67.1	0.67		S,NA	221.00		S,NA	0.04	U	S,NA	5.60		S,NA	0.30		S,NA	130.00		S,NA
34_RCHA-SW	Port	Previously Dredged	0.0	15.2	0.47	U	S	105.00		S	0.01	U	S	4.10		S	0.10		S	80.00		S
34_RCHA-SW	Port	Previously Dredged	15.2	85.3	0.38		S,NA	368.00		S,NA	0.04		S,NA	15.70		S,NA	0.26		S,NA	320.00		S,NA
35_BCD1	Channel	Previously Dredged	0.0	15.2	0.69		DW	144.00		DW	0.15		DW	3.60		DW	0.84		DW	60.00		DW
35_BCD1	Channel	Previously Dredged	15.2	106.7	0.57		DW	182.00		DW	0.05	U	DW	4.60		DW	0.94		DW	110.00		DW
35_BCD2	Channel	Previously Dredged	0.0	15.2	0.61		DW	100.00		DW	0.05		DW	2.10		DW	0.73		DW	40.00		DW
35_BCD2	Channel	Previously Dredged	15.2	143.3	0.45		DW	113.00		DW	0.02	U	DW	3.50		DW	0.69		DW	60.00		DW
35_BCD3	Port	Previously Dredged	0.0	15.2	0.67		DW	131.00		DW	0.03	U	DW	2.40		DW	0.91		DW	50.00		DW
35_BCD3	Port	Previously Dredged	15.2	73.2	0.39		DW	132.00		DW	0.02	U	DW	2.90		DW	0.62		DW	70.00		DW
35_BCD4	Port	Previously Dredged	0.0	15.2	0.97		DW	183.00		DW	0.06	U	DW	1.90		DW	1.28		DW	40.00		DW
35_BCD4	Port	Previously Dredged	15.2	152.4	1.10		DW	233.00		DW	0.06		DW	3.20		DW	2.08		DW	70.00		DW
35_BCD5	Port	Previously Dredged	0.0	15.2	0.68		DW	95.40		DW	0.03		DW	1.80		DW	0.60		DW	40.00		DW
35_BCD5	Port	Previously Dredged	15.2	76.2	0.48		DW	127.00		DW	0.02		DW	2.70		DW	0.74		DW	70.00		DW
35_BCD6	Port	Previously Dredged	0.0	15.2	0.40		S	137.00		S	NA		NA	2.20		S	1.00		S	NA		NA
35_BCD6	Port	Previously Dredged	15.2	118.9	0.29		S,NA	117.00		S,NA	NA		NA	2.60		S,NA	1.00		S,NA	NA		NA
37_RA-01	Port	Previously Dredged	0.0	15.2	0.54		DW	71.10		DW	0.02	U	DW	1.19		DW	0.41		DW	40.00		DW
37_RA-01	Port	Previously Dredged	15.2	61.0	0.87		DW	563.00		DW	0.10	U	DW	4.55		DW	9.18		DW	910.00		DW
37_RA-02	Port	Previously Dredged	0.0	21.3	0.52		DW	143.00		DW	0.03	U	DW	3.60		DW	1.13		DW	100.00		DW
37_RA-03	Port	Previously Dredged	0.0	15.2	0.79		DW	105.00		DW	0.08		DW	2.16		DW	0.56		DW	30.00		DW
37_RA-03	Port	Previously Dredged	15.2	70.1	0.99		DW	141.00		DW	0.06		DW	2.90		DW	0.76		DW	70.00		DW
38_NB99RASD-1	Port	Previously Dredged	0.0	76.2	4.20		S	149.00		S	1.90		S	5.00		S	1.41		S	70.00		S
38_NB99RASD-3	Port	Previously Dredged	0.0	91.4	1.40		S	164.00		S	0.06	U	S	9.00		S	0.88		S	190.00		S
38_NB99RASD-4	Port	Previously Dredged	0.0	137.2	1.20		S	186.00		S	0.05		S	6.40		S	1.19		S	130.00		S
38_NB99RBSD-1	Port	Previously Dredged	0.0	76.2	0.57		S	129.50		S	0.05	U	S	3.30		S	0.77		S	90.00		S
38_NB99RBSD-2	Port	Previously Dredged	0.0	61.0	0.74		S	93.00		S	0.01	U	S	1.71		S	1.43		S	50.00		S
38_NB99RCSD-1	Port	Previously Dredged	0.0	61.0	0.64		DW	109.00		DW	0.01	U	DW	1.03		DW	0.93		DW	20.00		DW
38_NB99RCSD-2	Port	Previously Dredged	0.0	121.9	0.68		DW	137.00		DW	0.04		DW	3.20		DW	0.95		DW	70.00		DW
38_NB99RDSD-1	Channel	Previously Dredged	0.0	85.3	0.74		DW	142.00		DW	0.14		DW	3.30		DW	0.76		DW	70.00		DW
38_NB99RDSD-2	Channel	Previously Dredged	0.0	76.2	1.00		DW	116.00		DW	0.14		DW	2.50		DW	0.60		DW	50.00		DW
38_NB99RDSD-3	Channel	Previously Dredged	0.0	76.2	1.10		DW	155.00		DW	0.12	U	DW	3.90		DW	0.99		DW	80.00		DW
39_PRP-99-01	Channel	Active	0.0	30.5	0.05		S	37.10		S	0.00		S	0.02		S	0.05		S	0.35	U	S
39_PRP-99-02	Flat	Active	0.0	30.5	0.73		S	277.50		S	0.23		S	19.85		S	2.57		S	155.00		S
39_PRP-99-02	Flat	Active	30.5	91.4	0.77		S,NA	267.50		S,NA	0.19		S,NA	12.00		S,NA	1.87		S,NA	445.00		S,NA
39_PRP-99-02	Flat	Active	91.4	152.4	1.25		S,NA	441.50		S,NA	0.57		S,NA	24.10		S,NA	4.49		S,NA	390.00		S,NA
39_PRP9905SD1	EXCL	Active	0.0	30.5	0.00		EXCL	24.30		EXCL	0.02	U	EXCL	0.37		EXCL	0.26		EXCL	50.00		EXCL
39_PRP9906SD1	EXCL	Active	0.0	30.5	2.00	B	EXCL	88.00		EXCL	NA		EXCL	1.56		EXCL	1.32		EXCL	50.00		EXCL
KVK01	Flat	Active	0.0	10.0	0.79		S	174.00		S	0.08		S	NA		NA	1.09		S	120.00		S
NB201	Channel	Previously Dredged	0.0	15.0	0.26		DW	NA		NA	NA		NA	NA		NA	NA		NA	37.89		DW
NB202	Channel	Previously Dredged	0.0	15.0	0.60	NJ	DW	NA		NA	NA		NA	NA		NA	NA		NA	17.46		DW
NB206	Port	Previously Dredged	0.0	15.0	0.16		DW	NA		NA	NA		NA	NA		NA	NA		NA	17.34		DW
NB207	Flat	Active	0.0	15.0	3.00		S	NA		NA	NA		NA	NA		NA	NA		NA	6.07		S
NB211	Channel	Active	0.0	15.0	1.10		S&DW	NA		NA	NA		NA	NA		NA	NA		NA	29.40		S&DW
NB212	Channel	Previously Dredged	0.0	15.0	0.90		DW	NA		NA	NA		NA	NA		NA	NA		NA	50.43		DW
NB213	Flat	Active	0.0	15.0	0.20		S	NA		NA	NA		NA	NA		NA	NA		NA	118.99		NA
NB217	Flat	Active	0.0	15.0	3.00		S	NA		NA	NA		NA	NA		NA	NA		NA	65.93		S
NB218	Flat	Active	0.0	15.0	1.20		S	NA		NA	NA		NA	NA		NA	NA		NA	3.35		S
NB222	Flat	Active	0.0	15.0	1.10		S	NA		NA	NA		NA	NA		NA	NA		NA	92.98		S
NB223	Flat	Active	0.0	15.0	1.40		S	NA		NA	NA		NA	NA		NA	NA		NA	109.29		S
NB226	Flat	Active	0.0	15.0	1.50		S	NA		NA	NA		NA	NA		NA	NA		NA	40.05		S
NB227	Channel	Active	0.0	15.0	3.90		S	NA		NA	NA		NA	NA		NA	NA		NA	75.11		S
NB228	Channel	Active	0.0	15.0	0.45		S	NA		NA	NA		NA	NA		NA	NA		NA	0.91		S
NB231	Flat	Active	0.0	15.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	133.14		S
NB901	Flat	Active	0.0	10.0	1.43		S	128.00		S	0.03	B	S	NA		NA	NA		NA	130.00	B	S
NB901	Flat	Active	17.0	43.0	1.80		S,NA	241.00		S,NA	0.10	B	S,NA	NA		NA	NA		NA	260.00	B	S,NA
NB901	Flat	Active	43.0	69.0	1.90		S,NA	352.00		S,NA	0.16		S,NA	NA		NA	NA		NA	342.00	B	S,NA
NB901	Flat	Active	69.0	94.0	1.70		S,NA	265.00		S,NA	0.10	B	S,NA	NA		NA	NA		NA	396.00	B	S,NA
NB901	Flat	Active	94.0	119.0	1.70		S,NA	271.00		S,NA	0.10	B	S,NA	NA		NA	NA		NA	474.00	B	S,NA
NB901	Flat	Active	119.0	145.0	1.80		S,NA	410.00		S,NA	0.13		S,NA	NA		NA	NA		NA	541.00	B	S,NA
NB901	Flat	Active	145.0	170.0	2.40		S,NA	538.00		S,NA	0.17		S,NA	NA		NA	NA		NA	1170.00	B	S,NA
NB901	Flat	Active	170.0	196.0	1.50		S,NA	334.00		S,NA	0.19		S,NA	NA		NA	NA		NA	1210.00		S,NA
NB901	Flat	Active	196.0	229.0	1.50		S,NA	357.00		S,NA	0.18	D	S,NA	NA		NA	NA		NA	1610.00		S,NA

PRIVILEGED AND CONFIDENTIAL
ATTORNEY CLIENT WORK PRODUCT ONLY

Table A-2. Historical Newark Bay Study Area Data

					Benzo(a)pyrene			Chromium			Total DDT			Mercury			Total PCBs			2,3,7,8-TCDD		
Station	Geomorphic Unit	Dredged	Start Depth (cm)	End Depth (cm)	mg/kg	Qualifier	Use	mg/kg	Qualifier	Use	mg/kg	Qualifier	Use	mg/kg	Qualifier	Use	mg/kg	Qualifier	Use	ng/kg	Qualifier	Use
NBA06	Flat	Active	0.0	10.0	0.62	B	S	122.00		S	0.06		S	NA		NA	NA		NA	270.00		S
NWB01	Flat	Active	0.0	6.0	0.70		S	77.60		S	0.04		S	NA		NA	0.40		S	25.50		S
NWB01	Flat	Active	6.0	12.0	0.69		S,NA	116.00		S,NA	0.03		S,NA	NA		NA	0.39		S,NA	37.00		S,NA
NWB01	Flat	Active	12.0	24.0	1.50		S,NA	84.60		S,NA	0.05		S,NA	NA		NA	0.65		S,NA	57.00		S,NA
NWB01	Flat	Active	24.0	36.0	0.61		S,NA	98.10		S,NA	0.04		S,NA	NA		NA	0.59		S,NA	67.00		S,NA
NWB01	Flat	Active	36.0	48.0	0.07	J	S,NA	30.80		S,NA	0.00	U	S,NA	NA		NA	0.04		S,NA	3.30		S,NA
NWB01	Flat	Active	48.0	84.0	0.01	B	S,NA	14.60		S,NA	0.00	U	S,NA	NA		NA	0.00		S,NA	0.14	U	S,NA
NWB01A	Flat	Active	0.0	6.0	0.82	B	S	96.80		S	0.04	B	S	NA		NA	0.58		S	74.00		S
NWB01A	Flat	Active	6.0	12.0	0.91	B	S,NA	90.90		S,NA	0.03	B	S,NA	NA		NA	1.09		S,NA	68.00		S,NA
NWB01A	Flat	Active	12.0	22.0	0.78	B	S,NA	85.40		S,NA	0.03	B	S,NA	NA		NA	0.64		S,NA	60.00		S,NA
NWB01A	Flat	Active	22.0	52.0	0.78	B	S,NA	106.00		S,NA	0.03	B	S,NA	NA		NA	0.94		S,NA	76.00		S,NA
NWB01A	Flat	Active	52.0	72.0	0.23		S,NA	29.00		S,NA	0.01	B	S,NA	NA		NA	0.58		S,NA	43.00		S,NA
1NB	Channel	Active	Composite		1.34		DW	71.23		DW	0.01		DW	0.92		DW	0.23		DW	8.96		DW
2NB	Channel	Active	Composite		0.35		DW	99.05		DW	0.01		DW	1.27		DW	0.23		DW	12.64		DW
3NB	Channel	Active	Composite		0.48		DW	88.20		DW	0.05		DW	0.95		DW	0.33		DW	16.54		DW
4NB	Channel	Active	Composite		0.53		DW	91.68		DW	0.24		DW	1.02		DW	0.28		DW	14.10		DW
5NB	Channel	Active	Composite		0.61		DW	157.72		DW	0.07		DW	1.93		DW	0.57		DW	157.29		DW
6NB	Channel	Active	Composite		0.21		DW	72.67		DW	0.01		DW	0.58		DW	0.29		DW	15.21		DW
7NB	Channel	Active	Composite		0.33		DW	86.33		DW	0.01		DW	0.87		DW	0.26		DW	19.63		DW
8NB	Channel	Active	Composite		0.78		DW	116.59		DW	0.19		DW	1.70		DW	0.28		DW	28.90		DW
9NB	Channel	Active	Composite		0.05		DW	38.85		DW	0.00		DW	0.24		DW	0.19		DW	3.83		DW
10NB	Channel	Active	Composite		0.13		DW	53.39		DW	0.01		DW	0.29		DW	0.22		DW	3.86		DW
11KVK2	Channel	Previously Dredged	Composite		1.60		EXCL	124.00		EXCL	0.08		EXCL	4.20		EXCL	0.71		EXCL	37.28		EXCL
12KVK2	Channel	Previously Dredged	Composite		1.70		EXCL	50.10		EXCL	0.00		EXCL	2.40		EXCL	0.14		EXCL	0.14		EXCL
13KVK2	Channel	Previously Dredged	Composite		0.86		EXCL	243.00		EXCL	0.04		EXCL	5.30		EXCL	2.76		EXCL	188.65		EXCL
14KVK2	Channel	Previously Dredged	Composite		2.50		EXCL	119.00		EXCL	0.01		EXCL	3.60		EXCL	1.02		EXCL	66.38		EXCL
15KVK2	Channel	Previously Dredged	Composite		1.80		EXCL	242.00		EXCL	0.02		EXCL	6.20		EXCL	1.68		EXCL	109.15		EXCL
16KVK2	Channel	Previously Dredged	Composite		0.41		DW	60.80		DW	0.01		DW	1.10		DW	0.60		DW	14.38		DW
17KVK2	Channel	Previously Dredged	Composite		0.48		EXCL	58.30		EXCL	0.02		EXCL	1.00		EXCL	0.74		EXCL	10.24		EXCL
18KVK2	Channel	Previously Dredged	Composite		0.54		EXCL	50.40		EXCL	0.01		EXCL	0.82		EXCL	0.45		EXCL	13.37		EXCL
19KVK2	Channel	Previously Dredged	Composite		0.46		EXCL	48.90		EXCL	0.01		EXCL	0.62		EXCL	0.39		EXCL	6.39		EXCL
20AK23	Channel	Previously Dredged	Composite		1.04		DW	237.18		DW	0.06		DW	5.57		DW	2.65		DW	52.32		DW
21AK23	Channel	Previously Dredged	Composite		0.72		DW	157.77		DW	0.08		DW	2.77		DW	1.62		DW	33.44		DW
22AK23	Channel	Previously Dredged	Composite		0.54		DW	143.00		DW	0.18		DW	3.69		DW	1.39		DW	33.00		DW
23AK23	Channel	Previously Dredged	Composite		1.26		DW	244.06		DW	0.93		DW	6.87		DW	2.26		DW	49.40		DW
24AK23	Channel	Previously Dredged	Composite		1.13		DW	235.02		DW	0.27		DW	7.21		DW	1.67		DW	52.73		DW
25AK23	Channel	Previously Dredged	Composite		1.80		DW	314.35		DW	1.37		DW	8.90		DW	2.76		DW	78.11		DW
26AK23	Channel	Previously Dredged	Composite		1.45		DW	304.33		DW	1.09		DW	10.12		DW	3.98		DW	82.98		DW
27AK23	Channel	Previously Dredged	Composite		1.35		DW	358.90		DW	0.56		DW	11.58		DW	1.63		DW	169.73		DW
28AK23	Channel	Previously Dredged	Composite		1.48		DW	195.47		DW	3.25		DW	5.45		DW	1.49		DW	34.31		DW
29AK23	Channel	Previously Dredged	Composite		0.92		DW	139.44		DW	0.35		DW	3.06		DW	0.99		DW	45.54		DW
30AK23	Channel	Previously Dredged	Composite		1.47		DW	154.87		DW	0.50		DW	3.69		DW	1.84		DW	23.91		DW
31AK23	Channel	Previously Dredged	Composite		2.11		DW	308.78		DW	1.97		DW	12.50		DW	4.31		DW	73.72		DW
32AK23	Channel	Previously Dredged	Composite		0.96		DW	113.07		DW	1.22		DW	2.25		DW	0.91		DW	13.98		DW
33AK23	Channel	Previously Dredged	Composite		1.96		DW	215.96		DW	1.00		DW	7.12		DW	1.39		DW	60.23		DW
34AK23	Channel	Previously Dredged	Composite		3.53		DW	191.33		DW	1.15		DW	6.26		DW	0.99		DW	22.77		DW
35AK23	Channel	Previously Dredged	Composite		1.91		DW	264.24		DW	1.64		DW	8.14		DW	1.43		DW	59.62		DW
36AK23	Channel	Previously Dredged	Composite		1.43		DW	196.48		DW	0.77		DW	6.03		DW	1.04		DW	48.23		DW
37AK23	Channel	Previously Dredged	Composite		6.93		DW	109.50		DW	0.05		DW	1.38		DW	1.09		DW	10.45		DW
38AK23	Channel	Previously Dredged	Composite		9.88		DW	227.57		DW	0.08		DW	7.55		DW	1.68		DW	32.99		DW
39AK23	Channel	Previously Dredged	Composite		2.58		DW	209.09		DW	0.57		DW	6.53		DW	1.26		DW	29.61		DW
Composite A	Channel	Active	Composite		0.36		EXCL	98.70		EXCL	0.01	U	EXCL	2.20		EXCL	1.01		EXCL	51.80		EXCL
Composite B	Channel	Active	Composite		0.29		EXCL	90.70		EXCL	0.01	U	EXCL	1.75		EXCL	0.82		EXCL	56.00		EXCL
Composite C	Channel	Active	Composite		0.67		EXCL	202.00		EXCL	0.01	U	EXCL	2.23		EXCL	0.52		EXCL	42.00		EXCL
Composite D	Channel	Active	Composite		0.35		DW	76.00		DW	0.01	U	DW	1.48		DW	1.01		DW	24.40		DW
Composite E	Channel	Active	Composite		0.39		EXCL	92.90		EXCL	0.01	U	EXCL	1.94		EXCL	1.11		EXCL	48.00		EXCL
Composite F	Channel	Active	Composite		0.61		EXCL	93.00		EXCL	0.01	U	EXCL	4.22		EXCL	0.50		EXCL	91.10		EXCL
Composite F	Channel	Active	Composite		0.82		EXCL	98.40		EXCL	0.01	U	EXCL	3.99		EXCL	0.50		EXCL	90.60		EXCL
Composite G	Channel	Active	Composite		0.44		EXCL	82.40		EXCL	0.01	U	EXCL	1.35		EXCL	0.49		EXCL	88.00	Q	EXCL
Composite G	Channel	Active	Composite		0.50		EXCL	83.40		EXCL	0.01	U	EXCL	2.24		EXCL	0.53		EXCL	60.10	Q	EXCL
Composite H	Channel	Active	Composite		0.32		EXCL	59.50		EXCL	0.01	U	EXCL	1.57		EXCL	0.34		EXCL	76.70	Q	EXCL
Composite I	Channel	Active	Composite		0.46		EXCL	82.50		EXCL	0.01	U	EXCL	1.98		EXCL	0.52		EXCL	66.80	Q	EXCL
Composite J	Channel	Active	Composite		0.49		EXCL	78.10		EXCL	0.01	U	EXCL	1.63		EXCL	0.42		EXCL	63.80	Q	EXCL
Composite K	Channel	Active	Composite		0.53		EXCL	76.30		EXCL	0.01	U	EXCL	1.10		EXCL	0.43		EXCL	68.60	Q	EXCL
Composite K	Channel	Active	Composite		0.62		EXCL	76.50		EXCL	0.01	U	EXCL	2.12		EXCL	0.45		EXCL	80.00	Q	EXCL

PRIVILEGED AND CONFIDENTIAL
ATTORNEY CLIENT WORK PRODUCT ONLY

Table A-2. Historical Newark Bay Study Area Data

					Benzo(a)pyrene			Chromium			Total DDT			Mercury			Total PCBs			2,3,7,8-TCDD		
Station	Geomorphic Unit	Dredged	Start Depth (cm)	End Depth (cm)	mg/kg	Qualifier	Use	mg/kg	Qualifier	Use	mg/kg	Qualifier	Use	mg/kg	Qualifier	Use	mg/kg	Qualifier	Use	ng/kg	Qualifier	Use
Composite L	Channel	Active	Composite		0.34		EXCL	93.00		EXCL	0.01	U	EXCL	1.92		EXCL	0.50		EXCL	13.90		EXCL
Composite M	Channel	Active	Composite		0.16		EXCL	102.00		EXCL	0.01	U	EXCL	1.51		EXCL	0.52		EXCL	71.20		EXCL
Composite N	Channel	Active	Composite		0.50		EXCL	69.90		EXCL	0.01	U	EXCL	1.72		EXCL	0.92		EXCL	68.40		EXCL
Composite N	Channel	Active	Composite		0.48		EXCL	79.20		EXCL	0.01	U	EXCL	1.56		EXCL	0.42		EXCL	52.00		EXCL
Composite O	Channel	Active	Composite		0.54		EXCL	103.00		EXCL	0.01	U	EXCL	2.42		EXCL	0.48		EXCL	119.00		EXCL
Composite O	Channel	Active	Composite		0.14		EXCL	112.00		EXCL	0.01	U	EXCL	2.28		EXCL	0.58		EXCL	80.00		EXCL
Composite P	Channel	Active	Composite		0.54		EXCL	93.10		EXCL	0.01	U	EXCL	1.92		EXCL	1.35		EXCL	69.00		EXCL

NOTES: DATA SOURCES:

1) NOAA Query Manager Database
2) REMAP 1998/99 Database
3) Contaminant Assessment and Reduction Project (CARP) Database
4) USACE 2003 - 2004 Composite Core Database
5) Port Newark O&M Database

USE CODES

DW - Depth integrated concentration of core used in dredge areas
S - Surface concentration of core used in impact areas
DW&S - Both depth weighted and surface concentrations are used.
NA - Sample not analyzed for this contaminant
S,NA - Sample unused, not on the surficial sediment
EXCL - Core excluded due to location

PRIVILEGED AND CONFIDENTIAL
ATTORNEY CLIENT WORK PRODUCT ONLY