Packard, Shannon E CTR NAVFAC SW

From: Beck, Jessica [Jessica.Beck@ttemi.com]
Sent: Friday, December 05, 2008 6:51 AM
To: Charles Gribble
Cc: Eileen Hughes; Jim Polisini; dalmeida.Carolyn@epamail.epa.gov; Allen Tsao; Tami Nakahara; McConathy, Brenda; Kelly, Dennis; pjorgensen@waterboards.ca.gov; Dreyer, Marie G NAVFAC SW; Barr, Elizabeth L CIV NAVFAC SW; Bloom, Michael S CIV OASN (I&E) BRAC PMO West
Subject: Offshore Data for Cells 29 to 35

Attachments: Dry Dock Data to BCT_120408.pdf

Dry Dock Data to BCT_120408.pd...

Chip,

Per your request, attached is the detected sediment data for the Dry Dock area (considered Cells 29 through 35). The samples collected in these cells were not composited from multiple locations as previously thought.

In the table, we provided a comparison against the SF Bay Ambient values (<100 percent fines), ER-L, and ER-M.

Also attached is Figure 4 from the recent SAP, with the cells 29-35 outlined. All existing data has been provided - the symbol on the map is denoted by a blue diamond.

As Brenda noted during our call Wednesday morning, the depth of the sample is the depth below sediment surface.

If you have any questions, please let me know. I will be out of the office this morning and can answer anything this afternoon if needed.

Thanks,

Jessica

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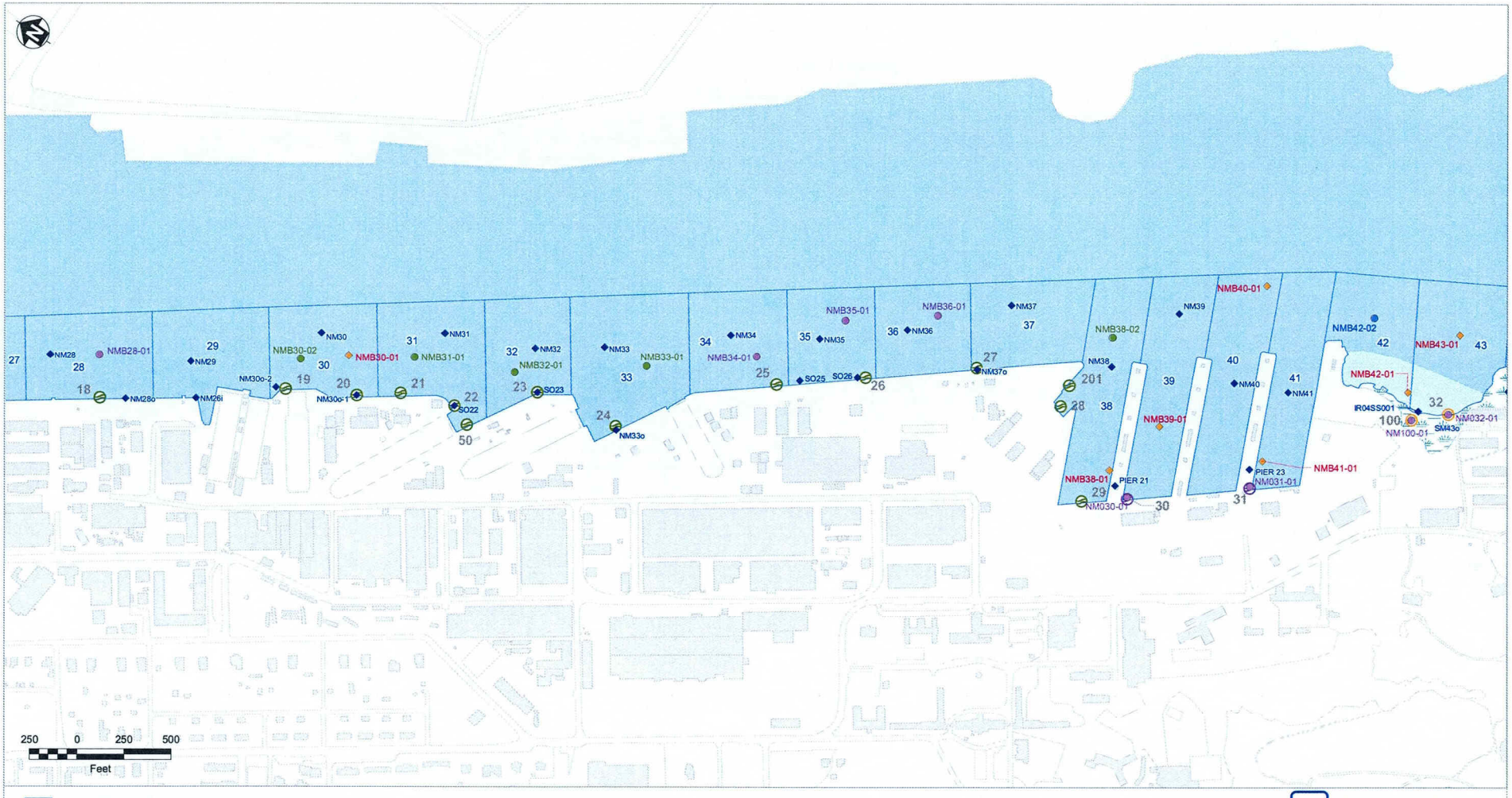

- Offshore Sampling Cell
- Building/Structure
- Road
- Site Feature
- Wetland
- Mudflat
- Water

Storm Water Outfall
- Discharges to Shallow Water
- Discharges to Deep Water
- Discharges to Mudflat

Existing Sample Locations
- Grab Sample
- Pilot Study Core Sample
- BERA Sample

- Proposed Long Cores for the Outfall Investigation
- Proposed Long Cores for the Supplemental Sampling Investigation
- Proposed Short Cores for the Outfall Investigation

Notes:
1. The boundaries of Investigation Area K do not include the piers that extend into the offshore area; however, the offshore areas beneath the piers are within the boundary of Investigation Area K.
2. All samples will be analyzed for metal and organics.
3. Metals analysis is the 6000/7000 series.
4. Organics analysis for the outfall and supplemental sampling investigations include TPH, SVOCs, pesticides, PCBs, and organotins.

bgs Below ground surface
BERA Baseline ecological risk assessment
PCB Polychlorinated biphenyl
SVOC Semivolatile organic compound
TPH Total petroleum hydrocarbons

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Mare Island
U.S. Department of the Navy, BRAC PMO West, San Diego, California

FIGURE 4
EXISTING AND PROPOSED SAMPLE LOCATIONS OFFSHORE CELLS 28 THROUGH 41
Sampling and Analysis Plan for the Outfall and Supplemental Sampling at Investigations at Investigation Area K

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SEDIMENT DATA FOR CELL 29

DETECTED SEDIMENT RESULTS FOR SAMPLES COLLECTED IN OFFSHORE CELLS 29 THROUGH 35

Location	Date	Depth-Top of sample	Depth-Bottom of sample	Analyte Group	Analyte	Result	Qualifier	Unit	Detection Limit	SF Bay Ambient (<100% fines)	Exceed Ambient?	ER-L	Exceed ER-L?	ER-M	Exceed ER-M?
NM26i	07/09/97	0	0.5	LPEST	4,4'-DDD	0.0006		MG/KG	0.0003			0.002		0.02	
NM26i	07/09/97	0	0.5	LPEST	4,4'-DDE	0.0008		MG/KG	0.0003			0.0022		0.027	
NM26i	07/09/97	0	0.5	LPEST	4,4'-DDT	0.0007		MG/KG	0.0004			0.001		0.007	
NM26i	07/09/97	0	0.5	LPEST	ENDRIN KETONE	0.0004		MG/KG	0.0003						
NM26i	07/09/97	0	0.5	METAL	ALUMINUM	27900		MG/KG	8.8						
NM26i	07/09/97	0	0.5	METAL	ARSENIC	11.6		MG/KG	0.86	15.3		8.2	Yes	70	
NM26i	07/09/97	0	0.5	METAL	BARIUM	64.5		MG/KG	0.72						
NM26i	07/09/97	0	0.5	METAL	BERYLLIUM	0.077	J	MG/KG	0.048						
NM26i	07/09/97	0	0.5	METAL	CALCIUM	3650		MG/KG	34.8						
NM26i	07/09/97	0	0.5	METAL	CHROMIUM	87.4	J	MG/KG	0.31	112		81	Yes	370	
NM26i	07/09/97	0	0.5	METAL	COBALT	20.6		MG/KG	0.34						
NM26i	07/09/97	0	0.5	METAL	COPPER	60.4	J	MG/KG	0.29	68.1		34	Yes	270	
NM26i	07/09/97	0	0.5	METAL	IRON	40500		MG/KG	6.2						
NM26i	07/09/97	0	0.5	METAL	LEAD	26.7		MG/KG	0.48	43.2		46.7		218	
NM26i	07/09/97	0	0.5	METAL	MAGNESIUM	13600		MG/KG	27.4						
NM26i	07/09/97	0	0.5	METAL	MANGANESE	1230		MG/KG	0.072						
NM26i	07/09/97	0	0.5	METAL	MERCURY	0.55	J	MG/KG	0.24	0.43	Yes	0.15	Yes	0.71	
NM26i	07/09/97	0	0.5	METAL	NICKEL	95.9		MG/KG	0.38	112		20.9	Yes	51.6	Yes
NM26i	07/09/97	0	0.5	METAL	POTASSIUM	3730	J	MG/KG	73.3						
NM26i	07/09/97	0	0.5	METAL	SODIUM	10400	J	MG/KG	80.6						
NM26i	07/09/97	0	0.5	METAL	VANADIUM	79.9		MG/KG	0.29						
NM26i	07/09/97	0	0.5	METAL	ZINC	121	J	MG/KG	0.29	158		150		410	
NM26i	07/09/97	0	0.5	PAH	1-METHYLPHENANTHRENE	0.011	J	MG/KG	0.021	0.0317					
NM26i	07/09/97	0	0.5	PAH	ACENAPHTHENE	0.18		MG/KG	0.021	0.0266	Yes	0.016	Yes	0.5	
NM26i	07/09/97	0	0.5	PAH	ANTHRACENE	0.056		MG/KG	0.021	0.088		0.0853		1.1	
NM26i	07/09/97	0	0.5	PAH	BENZO(A)ANTHRACENE	0.049		MG/KG	0.021	0.244		0.261		1.6	
NM26i	07/09/97	0	0.5	PAH	BENZO(A)PYRENE	0.046		MG/KG	0.021	0.412		0.43		1.6	
NM26i	07/09/97	0	0.5	PAH	BENZO(E)PYRENE	0.036		MG/KG	0.021	0.294					
NM26i	07/09/97	0	0.5	PAH	BENZO(G,H,I)PERYLENE	0.039		MG/KG	0.021	0.31					
NM26i	07/09/97	0	0.5	PAH	BENZO(K)FLUORANTHENE	0.051	J	MG/KG	0.021	0.258					
NM26i	07/09/97	0	0.5	PAH	CHRYSENE	0.069		MG/KG	0.021	0.289		0.384		2.8	
NM26i	07/09/97	0	0.5	PAH	FLUORANTHENE	0.26		MG/KG	0.021	0.514		0.6		5.1	
NM26i	07/09/97	0	0.5	PAH	FLUORENE	0.044		MG/KG	0.021	0.0253	Yes	0.019	Yes	0.54	
NM26i	07/09/97	0	0.5	PAH	INDENO(1,2,3-CD)PYRENE	0.023		MG/KG	0.021	0.382					
NM26i	07/09/97	0	0.5	PAH	NAPHTHALENE	0.023		MG/KG	0.021	0.0558		0.16		2.1	
NM26i	07/09/97	0	0.5	PAH	PERYLENE	0.26		MG/KG	0.021	0.145	Yes				
NM26i	07/09/97	0	0.5	PAH	PHENANTHRENE	0.13		MG/KG	0.021	0.237		0.24		1.5	
NM26i	07/09/97	0	0.5	PAH	PYRENE	0.29		MG/KG	0.021	0.665		0.665		2.6	
NM26i	07/09/97	0	0.5	TPHEXT	MOTOR OIL RANGE ORGANICS	200	Y	MG/KG	87						
NM29	06/23/97	0	0.5	LPEST	4,4'-DDD	0.0006		MG/KG	0.0003			0.002		0.02	
NM29	06/23/97	0	0.5	LPEST	4,4'-DDE	0.001		MG/KG	0.0003			0.0022		0.027	
NM29	06/23/97	0	0.5	LPEST	4,4'-DDT	0.0004	J	MG/KG	0.0004			0.001		0.007	
NM29	06/23/97	0	0.5	LPEST	DIELDRIN	0.0003		MG/KG	0.0003	0.00044		0.00002	Yes	0.008	
NM29	06/23/97	0	0.5	METAL	ALUMINUM	30000		MG/KG	7.6						
NM29	06/23/97	0	0.5	METAL	ANTIMONY	0.91	J	MG/KG	0.58			2		25	
NM29	06/23/97	0	0.5	METAL	ARSENIC	12.3		MG/KG	0.74	15.3		8.2	Yes	70	

SEDIMENT DATA FOR CELL 29

DETECTED SEDIMENT RESULTS FOR SAMPLES COLLECTED IN OFFSHORE CELLS 29 THROUGH 35

Location	Date	Depth-Top of sample	Depth-Bottom of sample	Analyte Group	Analyte	Result	Qualifier	Unit	Detection Limit	SF Bay Ambient (<100% fines)	Exceed Ambient?	ER-L	Exceed ER-L?	ER-M	Exceed ER-M?
NM29	06/23/97	0	0.5	METAL	BARIUM	67.6		MG/KG	0.62						
NM29	06/23/97	0	0.5	METAL	BERYLLIUM	0.096	J	MG/KG	0.041						
NM29	06/23/97	0	0.5	METAL	CALCIUM	3850		MG/KG	29.8						
NM29	06/23/97	0	0.5	METAL	CHROMIUM	86.2		MG/KG	0.27	112		81	Yes	370	
NM29	06/23/97	0	0.5	METAL	COBALT	19.6		MG/KG	0.29						
NM29	06/23/97	0	0.5	METAL	COPPER	59.4		MG/KG	0.25	68.1		34	Yes	270	
NM29	06/23/97	0	0.5	METAL	IRON	39600		MG/KG	5.3						
NM29	06/23/97	0	0.5	METAL	LEAD	21.4		MG/KG	0.41	43.2		46.7		218	
NM29	06/23/97	0	0.5	METAL	MAGNESIUM	13100		MG/KG	23.4						
NM29	06/23/97	0	0.5	METAL	MANGANESE	1060		MG/KG	0.062						
NM29	06/23/97	0	0.5	METAL	MERCURY	0.24	J	MG/KG	0.24	0.43		0.15	Yes	0.71	
NM29	06/23/97	0	0.5	METAL	NICKEL	93.1		MG/KG	0.33	112		20.9	Yes	51.6	Yes
NM29	06/23/97	0	0.5	METAL	POTASSIUM	3850	J	MG/KG	62.7						
NM29	06/23/97	0	0.5	METAL	SODIUM	11000	J	MG/KG	69.1						
NM29	06/23/97	0	0.5	METAL	TIN	3.7	J	MG/KG	1.4						
NM29	06/23/97	0	0.5	METAL	VANADIUM	79.9		MG/KG	0.25						
NM29	06/23/97	0	0.5	METAL	ZINC	113		MG/KG	0.25	158		150		410	
NM29	06/23/97	0	0.5	PAH	BENZO(A)ANTHRACENE	0.031		MG/KG	0.022	0.244		0.261		1.6	
NM29	06/23/97	0	0.5	PAH	BENZO(A)PYRENE	0.07		MG/KG	0.022	0.412		0.43		1.6	
NM29	06/23/97	0	0.5	PAH	BENZO(B)FLUORANTHENE	0.052		MG/KG	0.022	0.371					
NM29	06/23/97	0	0.5	PAH	BENZO(E)PYRENE	0.051		MG/KG	0.022	0.294					
NM29	06/23/97	0	0.5	PAH	BENZO(G,H,I)PERYLENE	0.08		MG/KG	0.022	0.31					
NM29	06/23/97	0	0.5	PAH	BENZO(K)FLUORANTHENE	0.048		MG/KG	0.022	0.258					
NM29	06/23/97	0	0.5	PAH	CHRYSENE	0.048		MG/KG	0.022	0.289		0.384		2.8	
NM29	06/23/97	0	0.5	PAH	FLUORANTHENE	0.1		MG/KG	0.022	0.514		0.6		5.1	
NM29	06/23/97	0	0.5	PAH	INDENO(1,2,3-CD)PYRENE	0.048		MG/KG	0.022	0.382					
NM29	06/23/97	0	0.5	PAH	PERYLENE	0.074		MG/KG	0.022	0.145					
NM29	06/23/97	0	0.5	PAH	PHENANTHRENE	0.037		MG/KG	0.022	0.237		0.24		1.5	
NM29	06/23/97	0	0.5	PAH	PYRENE	0.13		MG/KG	0.022	0.665		0.665		2.6	

SEDIMENT DATA FOR CELL 30

DETECTED SEDIMENT RESULTS FOR SAMPLES COLLECTED IN OFFSHORE CELLS 29 THROUGH 35

Location	Date	Depth-Top of sample	Depth-Bottom of sample	Analyte Group	Analyte	Result	Qualifier	Unit	Detection Limit	SF Bay Ambient (<100% fines)	Exceed Ambient?	ER-L	Exceed ER-L?	ER-M	Exceed ER-M?
NM30	06/23/97	0	0.5	LPEST	4,4'-DDD	0.0003		MG/KG	0.0002			0.002		0.02	
NM30	06/23/97	0	0.5	LPEST	4,4'-DDE	0.0006		MG/KG	0.0002			0.0022		0.027	
NM30	06/23/97	0	0.5	METAL	ALUMINUM	23500		MG/KG	6.7						
NM30	06/23/97	0	0.5	METAL	ARSENIC	10.1		MG/KG	0.66	15.3		8.2	Yes	70	
NM30	06/23/97	0	0.5	METAL	BARIUM	64.5		MG/KG	0.55						
NM30	06/23/97	0	0.5	METAL	BERYLLIUM	0.067	J	MG/KG	0.037						
NM30	06/23/97	0	0.5	METAL	CALCIUM	34800		MG/KG	26.5						
NM30	06/23/97	0	0.5	METAL	CHROMIUM	71.3		MG/KG	0.24	112		81		370	
NM30	06/23/97	0	0.5	METAL	COBALT	16.9		MG/KG	0.26						
NM30	06/23/97	0	0.5	METAL	COPPER	50.1		MG/KG	0.22	68.1		34	Yes	270	
NM30	06/23/97	0	0.5	METAL	IRON	33500		MG/KG	4.8						
NM30	06/23/97	0	0.5	METAL	LEAD	17.7		MG/KG	0.37	43.2		46.7		218	
NM30	06/23/97	0	0.5	METAL	MAGNESIUM	11000		MG/KG	20.9						
NM30	06/23/97	0	0.5	METAL	MANGANESE	906		MG/KG	0.055						
NM30	06/23/97	0	0.5	METAL	MERCURY	0.25	J	MG/KG	0.25	0.43		0.15	Yes	0.71	
NM30	06/23/97	0	0.5	METAL	NICKEL	78.3		MG/KG	0.29	112		20.9	Yes	51.6	Yes
NM30	06/23/97	0	0.5	METAL	POTASSIUM	3510	J	MG/KG	55.9						
NM30	06/23/97	0	0.5	METAL	SODIUM	9920	J	MG/KG	61.5						
NM30	06/23/97	0	0.5	METAL	TIN	3.3	J	MG/KG	1.2						
NM30	06/23/97	0	0.5	METAL	VANADIUM	66.8		MG/KG	0.22						
NM30	06/23/97	0	0.5	METAL	ZINC	99		MG/KG	0.22	158		150		410	
NM30	06/23/97	0	0.5	PAH	BENZO(A)ANTHRACENE	0.026		MG/KG	0.02	0.244		0.261		1.6	
NM30	06/23/97	0	0.5	PAH	BENZO(A)PYRENE	0.061		MG/KG	0.02	0.412		0.43		1.6	
NM30	06/23/97	0	0.5	PAH	BENZO(B)FLUORANTHENE	0.048		MG/KG	0.02	0.371					
NM30	06/23/97	0	0.5	PAH	BENZO(E)PYRENE	0.046		MG/KG	0.02	0.294					
NM30	06/23/97	0	0.5	PAH	BENZO(G,H,I)PERYLENE	0.073		MG/KG	0.02	0.31					
NM30	06/23/97	0	0.5	PAH	BENZO(K)FLUORANTHENE	0.047		MG/KG	0.02	0.258					
NM30	06/23/97	0	0.5	PAH	CHRYSENE	0.038		MG/KG	0.02	0.289		0.384		2.8	
NM30	06/23/97	0	0.5	PAH	DIBENZ(A,H)ANTHRACENE	0.011	J	MG/KG	0.02	0.0327		0.0634		0.26	
NM30	06/23/97	0	0.5	PAH	FLUORANTHENE	0.098		MG/KG	0.02	0.514		0.6		5.1	
NM30	06/23/97	0	0.5	PAH	INDENO(1,2,3-CD)PYRENE	0.044		MG/KG	0.02	0.382					
NM30	06/23/97	0	0.5	PAH	PERYLENE	0.072		MG/KG	0.02	0.145					
NM30	06/23/97	0	0.5	PAH	PHENANTHRENE	0.029		MG/KG	0.02	0.237		0.24		1.5	
NM30	06/23/97	0	0.5	PAH	PYRENE	0.13		MG/KG	0.02	0.665		0.665		2.6	
NM30o-1	06/23/97	0	0.5	LPEST	4,4'-DDD	0.0004		MG/KG	0.0003			0.002		0.02	
NM30o-1	06/23/97	0	0.5	LPEST	4,4'-DDE	0.0007		MG/KG	0.0003			0.0022		0.027	
NM30o-1	06/23/97	0	0.5	LPEST	4,4'-DDT	0.0003	J	MG/KG	0.0005			0.001		0.007	
NM30o-1	06/23/97	0	0.5	METAL	ALUMINUM	28200		MG/KG	9						
NM30o-1	06/23/97	0	0.5	METAL	ANTIMONY	1.1	J	MG/KG	0.68			2		25	
NM30o-1	06/23/97	0	0.5	METAL	ARSENIC	12.1		MG/KG	0.88	15.3		8.2	Yes	70	
NM30o-1	06/23/97	0	0.5	METAL	BARIUM	65.9		MG/KG	0.73						
NM30o-1	06/23/97	0	0.5	METAL	BERYLLIUM	0.14	J	MG/KG	0.049						
NM30o-1	06/23/97	0	0.5	METAL	CALCIUM	4000		MG/KG	35.2						
NM30o-1	06/23/97	0	0.5	METAL	CHROMIUM	88.2		MG/KG	0.32	112		81	Yes	370	
NM30o-1	06/23/97	0	0.5	METAL	COBALT	20.2		MG/KG	0.34						
NM30o-1	06/23/97	0	0.5	METAL	COPPER	63.4		MG/KG	0.29	68.1		34	Yes	270	

SEDIMENT DATA FOR CELL 30

DETECTED SEDIMENT RESULTS FOR SAMPLES COLLECTED IN OFFSHORE CELLS 29 THROUGH 35

Location	Date	Depth-Top of sample	Depth-Bottom of sample	Analyte Group	Analyte	Result	Qualifier	Unit	Detection Limit	SF Bay Ambient (<100% fines)	Exceed Ambient?	ER-L	Exceed ER-L?	ER-M	Exceed ER-M?
NM30o-1	06/23/97	0	0.5	METAL	IRON	41800		MG/KG	6.3						
NM30o-1	06/23/97	0	0.5	METAL	LEAD	22.8		MG/KG	0.49	43.2		46.7		218	
NM30o-1	06/23/97	0	0.5	METAL	MAGNESIUM	14100		MG/KG	27.7						
NM30o-1	06/23/97	0	0.5	METAL	MANGANESE	1050		MG/KG	0.073						
NM30o-1	06/23/97	0	0.5	METAL	MERCURY	0.28	J	MG/KG	0.28	0.43		0.15	Yes	0.71	
NM30o-1	06/23/97	0	0.5	METAL	NICKEL	98.6		MG/KG	0.39	112		20.9	Yes	51.6	Yes
NM30o-1	06/23/97	0	0.5	METAL	POTASSIUM	4010	J	MG/KG	74.2						
NM30o-1	06/23/97	0	0.5	METAL	SODIUM	11400	J	MG/KG	81.7						
NM30o-1	06/23/97	0	0.5	METAL	TIN	3.5	J	MG/KG	1.6						
NM30o-1	06/23/97	0	0.5	METAL	VANADIUM	81.7		MG/KG	0.29						
NM30o-1	06/23/97	0	0.5	METAL	ZINC	125		MG/KG	0.29	158		150		410	
NM30o-1	06/23/97	0	0.5	PAH	ACENAPHTHENE	0.014	J	MG/KG	0.024	0.0266		0.016		0.5	
NM30o-1	06/23/97	0	0.5	PAH	ANTHRACENE	0.015	J	MG/KG	0.024	0.088		0.0853		1.1	
NM30o-1	06/23/97	0	0.5	PAH	BENZO(A)ANTHRACENE	0.03		MG/KG	0.024	0.244		0.261		1.6	
NM30o-1	06/23/97	0	0.5	PAH	BENZO(A)PYRENE	0.068		MG/KG	0.024	0.412		0.43		1.6	
NM30o-1	06/23/97	0	0.5	PAH	BENZO(B)FLUORANTHENE	0.054		MG/KG	0.024	0.371					
NM30o-1	06/23/97	0	0.5	PAH	BENZO(E)PYRENE	0.052		MG/KG	0.024	0.294					
NM30o-1	06/23/97	0	0.5	PAH	BENZO(G,H,I)PERYLENE	0.077		MG/KG	0.024	0.31					
NM30o-1	06/23/97	0	0.5	PAH	BENZO(K)FLUORANTHENE	0.047		MG/KG	0.024	0.258					
NM30o-1	06/23/97	0	0.5	PAH	CHRYSENE	0.051		MG/KG	0.024	0.289		0.384		2.8	
NM30o-1	06/23/97	0	0.5	PAH	FLUORANTHENE	0.12		MG/KG	0.024	0.514		0.6		5.1	
NM30o-1	06/23/97	0	0.5	PAH	FLUORENE	0.014	J	MG/KG	0.024	0.0253		0.019		0.54	
NM30o-1	06/23/97	0	0.5	PAH	INDENO(1,2,3-CD)PYRENE	0.05		MG/KG	0.024	0.382					
NM30o-1	06/23/97	0	0.5	PAH	NAPHTHALENE	0.019	J	MG/KG	0.024	0.0558		0.16		2.1	
NM30o-1	06/23/97	0	0.5	PAH	PERYLENE	0.074		MG/KG	0.024	0.145					
NM30o-1	06/23/97	0	0.5	PAH	PHENANTHRENE	0.066		MG/KG	0.024	0.237		0.24		1.5	
NM30o-1	06/23/97	0	0.5	PAH	PYRENE	0.14		MG/KG	0.024	0.665		0.665		2.6	
NM30o-2	07/02/97	0	0.5	LPEST	4,4'-DDD	0.0009		MG/KG	0.0003			0.002		0.02	
NM30o-2	07/02/97	0	0.5	LPEST	4,4'-DDE	0.001		MG/KG	0.0003			0.0022		0.027	
NM30o-2	07/02/97	0	0.5	METAL	ALUMINUM	36400		MG/KG	8.9						
NM30o-2	07/02/97	0	0.5	METAL	ANTIMONY	1	J	MG/KG	0.68			2		25	
NM30o-2	07/02/97	0	0.5	METAL	ARSENIC	13.5		MG/KG	0.87	15.3		8.2	Yes	70	
NM30o-2	07/02/97	0	0.5	METAL	BARIUM	76.4		MG/KG	0.73						
NM30o-2	07/02/97	0	0.5	METAL	BERYLLIUM	0.13	J	MG/KG	0.048						
NM30o-2	07/02/97	0	0.5	METAL	CALCIUM	4380		MG/KG	35						
NM30o-2	07/02/97	0	0.5	METAL	CHROMIUM	103	J	MG/KG	0.31	112		81	Yes	370	
NM30o-2	07/02/97	0	0.5	METAL	COBALT	23		MG/KG	0.34						
NM30o-2	07/02/97	0	0.5	METAL	COPPER	67.7	J	MG/KG	0.29	68.1		34	Yes	270	
NM30o-2	07/02/97	0	0.5	METAL	IRON	46000		MG/KG	6.3						
NM30o-2	07/02/97	0	0.5	METAL	LEAD	25		MG/KG	0.48	43.2		46.7		218	
NM30o-2	07/02/97	0	0.5	METAL	MAGNESIUM	15400		MG/KG	27.6						
NM30o-2	07/02/97	0	0.5	METAL	MANGANESE	1270		MG/KG	0.073						
NM30o-2	07/02/97	0	0.5	METAL	MERCURY	0.37	J	MG/KG	0.28	0.43		0.15	Yes	0.71	
NM30o-2	07/02/97	0	0.5	METAL	NICKEL	109		MG/KG	0.39	112		20.9	Yes	51.6	Yes
NM30o-2	07/02/97	0	0.5	METAL	POTASSIUM	4410	J	MG/KG	73.7						
NM30o-2	07/02/97	0	0.5	METAL	SODIUM	11300	J	MG/KG	81.2						

SEDIMENT DATA FOR CELL 30

DETECTED SEDIMENT RESULTS FOR SAMPLES COLLECTED IN OFFSHORE CELLS 29 THROUGH 35

Location	Date	Depth-Top of sample	Depth-Bottom of sample	Analyte Group	Analyte	Result	Qualifier	Unit	Detection Limit	SF Bay Ambient (<100% fines)	Exceed Ambient?	ER-L	Exceed ER-L?	ER-M	Exceed ER-M?
NM30o-2	07/02/97	0	0.5	METAL	VANADIUM	94.8		MG/KG	0.29						
NM30o-2	07/02/97	0	0.5	METAL	ZINC	134	J	MG/KG	0.29	158		150		410	
NM30o-2	07/02/97	0	0.5	PAH	ACENAPHTHENE	0.018	J	MG/KG	0.023	0.0266		0.016	Yes	0.5	
NM30o-2	07/02/97	0	0.5	PAH	ANTHRACENE	0.035	J	MG/KG	0.023	0.088		0.0853		1.1	
NM30o-2	07/02/97	0	0.5	PAH	BENZO(A)ANTHRACENE	0.044	J	MG/KG	0.023	0.244		0.261		1.6	
NM30o-2	07/02/97	0	0.5	PAH	BENZO(A)PYRENE	0.078	J	MG/KG	0.023	0.412		0.43		1.6	
NM30o-2	07/02/97	0	0.5	PAH	BENZO(B)FLUORANTHENE	0.055	J	MG/KG	0.023	0.371					
NM30o-2	07/02/97	0	0.5	PAH	BENZO(E)PYRENE	0.063	J	MG/KG	0.023	0.294					
NM30o-2	07/02/97	0	0.5	PAH	BENZO(G,H,I)PERYLENE	0.06	J	MG/KG	0.023	0.31					
NM30o-2	07/02/97	0	0.5	PAH	BENZO(K)FLUORANTHENE	0.053	J	MG/KG	0.023	0.258					
NM30o-2	07/02/97	0	0.5	PAH	BIPHENYL	0.012	J	MG/KG	0.023	0.0129					
NM30o-2	07/02/97	0	0.5	PAH	CHRYSENE	0.074	J	MG/KG	0.023	0.289		0.384		2.8	
NM30o-2	07/02/97	0	0.5	PAH	FLUORANTHENE	0.18	J	MG/KG	0.023	0.514		0.6		5.1	
NM30o-2	07/02/97	0	0.5	PAH	FLUORENE	0.042	J	MG/KG	0.023	0.0253	Yes	0.019	Yes	0.54	
NM30o-2	07/02/97	0	0.5	PAH	INDENO(1,2,3-CD)PYRENE	0.039	J	MG/KG	0.023	0.382					
NM30o-2	07/02/97	0	0.5	PAH	PERYLENE	0.068	J	MG/KG	0.023	0.145					
NM30o-2	07/02/97	0	0.5	PAH	PHENANTHRENE	0.14	J	MG/KG	0.023	0.237		0.24		1.5	
NM30o-2	07/02/97	0	0.5	PAH	PYRENE	0.16	J	MG/KG	0.023	0.665		0.665		2.6	
NM30o-2	07/02/97	0	0.5	TPHEXT	MOTOR OIL RANGE ORGANICS	170		MG/KG	94						

SEDIMENT DATA FOR CELL 31

DETECTED SEDIMENT RESULTS FOR SAMPLES COLLECTED IN OFFSHORE CELLS 29 THROUGH 35

Location	Date	Depth-Top of sample	Depth-Bottom of sample	Analyte Group	Analyte	Result	Qualifier	Unit	Detection Limit	SF Bay Ambient (<100% fines)	Exceed Ambient?	ER-L	Exceed ER-L?	ER-M	Exceed ER-M?
NM31	06/23/97	0	0.5	LPEST	4,4'-DDD	0.0004		MG/KG	0.0002			0.002		0.02	
NM31	06/23/97	0	0.5	LPEST	4,4'-DDE	0.0009		MG/KG	0.0002			0.0022		0.027	
NM31	06/23/97	0	0.5	METAL	ALUMINUM	23100		MG/KG	6.6						
NM31	06/23/97	0	0.5	METAL	ANTIMONY	1.4	J	MG/KG	0.5			2		25	
NM31	06/23/97	0	0.5	METAL	ARSENIC	10.2		MG/KG	0.64	15.3		8.2	Yes	70	
NM31	06/23/97	0	0.5	METAL	BARIUM	55.2		MG/KG	0.54						
NM31	06/23/97	0	0.5	METAL	BERYLLIUM	0.14	J	MG/KG	0.036						
NM31	06/23/97	0	0.5	METAL	CALCIUM	14500		MG/KG	25.9						
NM31	06/23/97	0	0.5	METAL	CHROMIUM	71.1		MG/KG	0.23	112		81		370	
NM31	06/23/97	0	0.5	METAL	COBALT	16.7		MG/KG	0.25						
NM31	06/23/97	0	0.5	METAL	COPPER	50.6		MG/KG	0.21	68.1		34	Yes	270	
NM31	06/23/97	0	0.5	METAL	IRON	33100		MG/KG	4.7						
NM31	06/23/97	0	0.5	METAL	LEAD	18.8		MG/KG	0.36	43.2		46.7		218	
NM31	06/23/97	0	0.5	METAL	MAGNESIUM	11200		MG/KG	20.4						
NM31	06/23/97	0	0.5	METAL	MANGANESE	781		MG/KG	0.054						
NM31	06/23/97	0	0.5	METAL	MERCURY	0.23	J	MG/KG	0.23	0.43		0.15	Yes	0.71	
NM31	06/23/97	0	0.5	METAL	NICKEL	78.3		MG/KG	0.29	112		20.9	Yes	51.6	Yes
NM31	06/23/97	0	0.5	METAL	POTASSIUM	3360	J	MG/KG	54.6						
NM31	06/23/97	0	0.5	METAL	SODIUM	10500	J	MG/KG	60.2						
NM31	06/23/97	0	0.5	METAL	TIN	3.1	J	MG/KG	1.2						
NM31	06/23/97	0	0.5	METAL	VANADIUM	65.1		MG/KG	0.21						
NM31	06/23/97	0	0.5	METAL	ZINC	106		MG/KG	0.21	158		150		410	
NM31	06/23/97	0	0.5	PAH	BENZO(A)ANTHRACENE	0.029		MG/KG	0.019	0.244		0.261		1.6	
NM31	06/23/97	0	0.5	PAH	BENZO(A)PYRENE	0.057		MG/KG	0.019	0.412		0.43		1.6	
NM31	06/23/97	0	0.5	PAH	BENZO(B)FLUORANTHENE	0.044		MG/KG	0.019	0.371					
NM31	06/23/97	0	0.5	PAH	BENZO(E)PYRENE	0.041		MG/KG	0.019	0.294					
NM31	06/23/97	0	0.5	PAH	BENZO(G,H,I)PERYLENE	0.064		MG/KG	0.019	0.31					
NM31	06/23/97	0	0.5	PAH	BENZO(K)FLUORANTHENE	0.042		MG/KG	0.019	0.258					
NM31	06/23/97	0	0.5	PAH	CHRYSENE	0.04		MG/KG	0.019	0.289		0.384		2.8	
NM31	06/23/97	0	0.5	PAH	FLUORANTHENE	0.099		MG/KG	0.019	0.514		0.6		5.1	
NM31	06/23/97	0	0.5	PAH	INDENO(1,2,3-CD)PYRENE	0.043		MG/KG	0.019	0.382					
NM31	06/23/97	0	0.5	PAH	PERYLENE	0.061		MG/KG	0.019	0.145					
NM31	06/23/97	0	0.5	PAH	PHENANTHRENE	0.041		MG/KG	0.019	0.237		0.24		1.5	
NM31	06/23/97	0	0.5	PAH	PYRENE	0.12		MG/KG	0.019	0.665		0.665		2.6	
NM31	06/23/97	0	0.5	TPHEXT	MOTOR OIL RANGE ORGANICS	90	Y	MG/KG	78						
SO22	06/11/02	0	0.5	METAL	ALUMINUM	41800	J	MG/KG	4						
SO22	06/11/02	0	0.5	METAL	ARSENIC	11.4	J	MG/KG	0.63	15.3		8.2	Yes	70	
SO22	06/11/02	0	0.5	METAL	BARIUM	85.1	J	MG/KG	0.21						
SO22	06/11/02	0	0.5	METAL	CALCIUM	4740	J	MG/KG	17.9						
SO22	06/11/02	0	0.5	METAL	CHROMIUM	108		MG/KG	0.11	112		81	Yes	370	
SO22	06/11/02	0	0.5	METAL	COBALT	25.4		MG/KG	0.08						
SO22	06/11/02	0	0.5	METAL	COPPER	66.1		MG/KG	0.31	68.1		34	Yes	270	
SO22	06/11/02	0	0.5	METAL	IRON	47700		MG/KG	0.85						
SO22	06/11/02	0	0.5	METAL	LEAD	26.8		MG/KG	0.29	43.2		46.7		218	
SO22	06/11/02	0	0.5	METAL	MAGNESIUM	15500		MG/KG	2.5						
SO22	06/11/02	0	0.5	METAL	MANGANESE	1040		MG/KG	0.17						

SEDIMENT DATA FOR CELL 31

DETECTED SEDIMENT RESULTS FOR SAMPLES COLLECTED IN OFFSHORE CELLS 29 THROUGH 35

Location	Date	Depth-Top of sample	Depth-Bottom of sample	Analyte Group	Analyte	Result	Qualifier	Unit	Detection Limit	SF Bay Ambient (<100% fines)	Exceed Ambient?	ER-L	Exceed ER-L?	ER-M	Exceed ER-M?
SO22	06/11/02	0	0.5	METAL	MERCURY	0.4		MG/KG	0.045	0.43		0.15	Yes	0.71	
SO22	06/11/02	0	0.5	METAL	NICKEL	109		MG/KG	0.17	112		20.9	Yes	51.6	Yes
SO22	06/11/02	0	0.5	METAL	POTASSIUM	3950	J	MG/KG	8						
SO22	06/11/02	0	0.5	METAL	SODIUM	6900		MG/KG	42.4						
SO22	06/11/02	0	0.5	METAL	VANADIUM	94.8		MG/KG	0.22						
SO22	06/11/02	0	0.5	METAL	ZINC	141	J	MG/KG	0.49	158		150		410	
SO22	06/11/02	0	0.5	TPHEXT	MOTOR OIL RANGE ORGANICS	180		MG/KG	22						
SO22	06/11/02	8	8.5	METAL	ALUMINUM	34100	J	MG/KG	3.8						
SO22	06/11/02	8	8.5	METAL	ARSENIC	13.4		MG/KG	0.59	15.3		8.2	Yes	70	
SO22	06/11/02	8	8.5	METAL	BARIUM	73.3	J	MG/KG	0.2						
SO22	06/11/02	8	8.5	METAL	CALCIUM	4280	J	MG/KG	16.9						
SO22	06/11/02	8	8.5	METAL	CHROMIUM	101		MG/KG	0.11	112		81	Yes	370	
SO22	06/11/02	8	8.5	METAL	COBALT	26.2		MG/KG	0.076						
SO22	06/11/02	8	8.5	METAL	COPPER	73.4		MG/KG	0.3	68.1	Yes	34	Yes	270	
SO22	06/11/02	8	8.5	METAL	IRON	47100		MG/KG	0.8						
SO22	06/11/02	8	8.5	METAL	LEAD	32.3		MG/KG	0.27	43.2		46.7		218	
SO22	06/11/02	8	8.5	METAL	MAGNESIUM	15200		MG/KG	2.3						
SO22	06/11/02	8	8.5	METAL	MANGANESE	1230		MG/KG	0.16						
SO22	06/11/02	8	8.5	METAL	MERCURY	0.42		MG/KG	0.042	0.43		0.15	Yes	0.71	
SO22	06/11/02	8	8.5	METAL	NICKEL	108		MG/KG	0.16	112		20.9	Yes	51.6	Yes
SO22	06/11/02	8	8.5	METAL	POTASSIUM	3520	J	MG/KG	7.6						
SO22	06/11/02	8	8.5	METAL	SODIUM	6810		MG/KG	40.2						
SO22	06/11/02	8	8.5	METAL	VANADIUM	90		MG/KG	0.21						
SO22	06/11/02	8	8.5	METAL	ZINC	142	J	MG/KG	0.47	158		150		410	
SO22	06/11/02	8	8.5	TPHEXT	MOTOR OIL RANGE ORGANICS	210		MG/KG	21						
SO22	06/11/02	16	16.5	METAL	ALUMINUM	46900	J	MG/KG	4						
SO22	06/11/02	16	16.5	METAL	ARSENIC	15.5		MG/KG	0.62	15.3	Yes	8.2	Yes	70	
SO22	06/11/02	16	16.5	METAL	BARIUM	104	J	MG/KG	0.21						
SO22	06/11/02	16	16.5	METAL	CALCIUM	5620	J	MG/KG	17.8						
SO22	06/11/02	16	16.5	METAL	CHROMIUM	131		MG/KG	0.11	112	Yes	81	Yes	370	
SO22	06/11/02	16	16.5	METAL	COBALT	29.3		MG/KG	0.08						
SO22	06/11/02	16	16.5	METAL	COPPER	75		MG/KG	0.31	68.1	Yes	34	Yes	270	
SO22	06/11/02	16	16.5	METAL	IRON	54500		MG/KG	0.84						
SO22	06/11/02	16	16.5	METAL	LEAD	32.2		MG/KG	0.29	43.2		46.7		218	
SO22	06/11/02	16	16.5	METAL	MAGNESIUM	19200		MG/KG	2.4						
SO22	06/11/02	16	16.5	METAL	MANGANESE	1120		MG/KG	0.17						
SO22	06/11/02	16	16.5	METAL	MERCURY	0.38		MG/KG	0.044	0.43		0.15	Yes	0.71	
SO22	06/11/02	16	16.5	METAL	NICKEL	134		MG/KG	0.17	112	Yes	20.9	Yes	51.6	Yes
SO22	06/11/02	16	16.5	METAL	POTASSIUM	4230	J	MG/KG	8						
SO22	06/11/02	16	16.5	METAL	SODIUM	5470		MG/KG	42.2						
SO22	06/11/02	16	16.5	METAL	VANADIUM	113		MG/KG	0.22						
SO22	06/11/02	16	16.5	METAL	ZINC	158	J	MG/KG	0.49	158		150	Yes	410	
SO22	06/11/02	16	16.5	PCB	AROCLOR-1260	0.058		MG/KG	0.056						
SO22	06/11/02	16	16.5	TPHEXT	MOTOR OIL RANGE ORGANICS	200		MG/KG	22						
SO22	06/11/02	34	34.5	METAL	ALUMINUM	31100	J	MG/KG	3						
SO22	06/11/02	34	34.5	METAL	ARSENIC	10.4		MG/KG	0.47	15.3		8.2	Yes	70	

SEDIMENT DATA FOR CELL 31

DETECTED SEDIMENT RESULTS FOR SAMPLES COLLECTED IN OFFSHORE CELLS 29 THROUGH 35

Location	Date	Depth-Top of sample	Depth-Bottom of sample	Analyte Group	Analyte	Result	Qualifier	Unit	Detection Limit	SF Bay Ambient (<100% fines)	Exceed Ambient?	ER-L	Exceed ER-L?	ER-M	Exceed ER-M?
SO22	06/11/02	34	34.5	METAL	BARIUM	125	J	MG/KG	0.16						
SO22	06/11/02	34	34.5	METAL	CALCIUM	3490	J	MG/KG	13.4						
SO22	06/11/02	34	34.5	METAL	CHROMIUM	77.2		MG/KG	0.084	112		81		370	
SO22	06/11/02	34	34.5	METAL	COBALT	23.7		MG/KG	0.06						
SO22	06/11/02	34	34.5	METAL	COPPER	101		MG/KG	0.23	68.1	Yes	34	Yes	270	
SO22	06/11/02	34	34.5	METAL	IRON	38800		MG/KG	0.64						
SO22	06/11/02	34	34.5	METAL	LEAD	12.3		MG/KG	0.22	43.2		46.7		218	
SO22	06/11/02	34	34.5	METAL	MAGNESIUM	11700		MG/KG	1.8						
SO22	06/11/02	34	34.5	METAL	MANGANESE	274		MG/KG	0.13						
SO22	06/11/02	34	34.5	METAL	NICKEL	83.5		MG/KG	0.13	112		20.9	Yes	51.6	Yes
SO22	06/11/02	34	34.5	METAL	POTASSIUM	3030	J	MG/KG	6						
SO22	06/11/02	34	34.5	METAL	SODIUM	4670		MG/KG	31.8						
SO22	06/11/02	34	34.5	METAL	VANADIUM	90.6		MG/KG	0.16						
SO22	06/11/02	34	34.5	METAL	ZINC	112	J	MG/KG	0.37	158		150		410	
SO22	06/11/02	34	34.5	PCB	AROCLOR-1016	15	J	MG/KG	4.2						
SO22	06/11/02	34	34.5	PCB	AROCLOR-1260	1180	J	MG/KG	2.1						
SO22	06/11/02	34	34.5	TPHEXT	DIESEL RANGE ORGANICS	610		MG/KG	84						

SEDIMENT DATA FOR CELL 32

DETECTED SEDIMENT RESULTS FOR SAMPLES COLLECTED IN OFFSHORE CELLS 29 THROUGH 35

Location	Date	Depth-Top of sample	Depth-Bottom of sample	Analyte Group	Analyte	Result	Qualifier	Unit	Detection Limit	SF Bay Ambient (<100% fines)	Exceed Ambient?	ER-L	Exceed ER-L?	ER-M	Exceed ER-M?
NM32	06/18/97	0	0.5	LPEST	4,4'-DDD	0.0008		MG/KG	0.0003			0.002		0.02	
NM32	06/18/97	0	0.5	LPEST	4,4'-DDE	0.002		MG/KG	0.0003			0.0022		0.027	
NM32	06/18/97	0	0.5	LPEST	DIELDRIN	0.0005		MG/KG	0.0003	0.00044	Yes	0.00002	Yes	0.008	
NM32	06/18/97	0	0.5	LPEST	HEXACHLOROBENZENE	0.003		MG/KG	0.0004	0.00048	Yes				
NM32	06/18/97	0	0.5	METAL	ALUMINUM	20000		MG/KG	8.8						
NM32	06/18/97	0	0.5	METAL	ANTIMONY	0.8	J	MG/KG	0.67			2		25	
NM32	06/18/97	0	0.5	METAL	ARSENIC	11		MG/KG	0.86	15.3		8.2	Yes	70	
NM32	06/18/97	0	0.5	METAL	BARIUM	61.5		MG/KG	0.72						
NM32	06/18/97	0	0.5	METAL	CALCIUM	11100	J	MG/KG	34.8						
NM32	06/18/97	0	0.5	METAL	CHROMIUM	77.5		MG/KG	0.31	112		81		370	
NM32	06/18/97	0	0.5	METAL	COBALT	19.8		MG/KG	0.34						
NM32	06/18/97	0	0.5	METAL	COPPER	60		MG/KG	0.43	68.1		34	Yes	270	
NM32	06/18/97	0	0.5	METAL	IRON	36800		MG/KG	6.2						
NM32	06/18/97	0	0.5	METAL	LEAD	22.2		MG/KG	0.48	43.2		46.7		218	
NM32	06/18/97	0	0.5	METAL	MAGNESIUM	13000		MG/KG	27.4						
NM32	06/18/97	0	0.5	METAL	MANGANESE	838		MG/KG	0.072						
NM32	06/18/97	0	0.5	METAL	MERCURY	0.23	J	MG/KG	0.23	0.43		0.15	Yes	0.71	
NM32	06/18/97	0	0.5	METAL	NICKEL	96		MG/KG	0.38	112		20.9	Yes	51.6	Yes
NM32	06/18/97	0	0.5	METAL	POTASSIUM	3670	J	MG/KG	73.2						
NM32	06/18/97	0	0.5	METAL	SODIUM	10200	J	MG/KG	80.6						
NM32	06/18/97	0	0.5	METAL	VANADIUM	71.2		MG/KG	0.29						
NM32	06/18/97	0	0.5	METAL	ZINC	121		MG/KG	0.29	158		150		410	
NM32	06/18/97	0	0.5	PAH	BENZO(A)ANTHRACENE	0.016	J	MG/KG	0.02	0.244		0.261		1.6	
NM32	06/18/97	0	0.5	PAH	BENZO(A)PYRENE	0.036		MG/KG	0.02	0.412		0.43		1.6	
NM32	06/18/97	0	0.5	PAH	BENZO(B)FLUORANTHENE	0.056	J	MG/KG	0.02	0.371					
NM32	06/18/97	0	0.5	PAH	BENZO(E)PYRENE	0.027		MG/KG	0.02	0.294					
NM32	06/18/97	0	0.5	PAH	BENZO(G,H,I)PERYLENE	0.044		MG/KG	0.02	0.31					
NM32	06/18/97	0	0.5	PAH	CHRYSENE	0.025		MG/KG	0.02	0.289		0.384		2.8	
NM32	06/18/97	0	0.5	PAH	FLUORANTHENE	0.05		MG/KG	0.02	0.514		0.6		5.1	
NM32	06/18/97	0	0.5	PAH	INDENO(1,2,3-CD)PYRENE	0.032		MG/KG	0.02	0.382					
NM32	06/18/97	0	0.5	PAH	NAPHTHALENE	0.01	J	MG/KG	0.02	0.0558		0.16		2.1	
NM32	06/18/97	0	0.5	PAH	PERYLENE	0.034		MG/KG	0.02	0.145					
NM32	06/18/97	0	0.5	PAH	PHENANTHRENE	0.018	J	MG/KG	0.02	0.237		0.24		1.5	
NM32	06/18/97	0	0.5	PAH	PYRENE	0.062		MG/KG	0.02	0.665		0.665		2.6	
NM32	06/18/97	0	0.5	TPHEXT	MOTOR OIL RANGE ORGANICS	79	J	MG/KG	130						
SO23	06/11/02	0	0.5	LPCB	PCB-101	0.466	J	MG/KG	0.0023						
SO23	06/11/02	0	0.5	LPCB	PCB-118	0.092	J	MG/KG	0.0023						
SO23	06/11/02	0	0.5	LPCB	PCB-128	0.07	J	MG/KG	0.0023						
SO23	06/11/02	0	0.5	LPCB	PCB-138	0.922	J	MG/KG	0.0023						
SO23	06/11/02	0	0.5	LPCB	PCB-153	1.2	J	MG/KG	0.0023						
SO23	06/11/02	0	0.5	LPCB	PCB-170	0.737	J	MG/KG	0.0023						
SO23	06/11/02	0	0.5	LPCB	PCB-18	0.023	J	MG/KG	0.0023						
SO23	06/11/02	0	0.5	LPCB	PCB-180	1.57	J	MG/KG	0.0023						
SO23	06/11/02	0	0.5	LPCB	PCB-187	1.03	J	MG/KG	0.0023						
SO23	06/11/02	0	0.5	LPCB	PCB-189	0.022	J	MG/KG	0.0023						
SO23	06/11/02	0	0.5	LPCB	PCB-195	0.151	J	MG/KG	0.0023						

SEDIMENT DATA FOR CELL 32

DETECTED SEDIMENT RESULTS FOR SAMPLES COLLECTED IN OFFSHORE CELLS 29 THROUGH 35

Location	Date	Depth-Top of sample	Depth-Bottom of sample	Analyte Group	Analyte	Result	Qualifier	Unit	Detection Limit	SF Bay Ambient (<100% fines)	Exceed Ambient?	ER-L	Exceed ER-L?	ER-M	Exceed ER-M?
SO23	06/11/02	0	0.5	LPCB	PCB-206	0.082	J	MG/KG	0.0023						
SO23	06/11/02	0	0.5	LPCB	PCB-209	0.0032	J	MG/KG	0.0023						
SO23	06/11/02	0	0.5	LPCB	PCB-28	0.014	J	MG/KG	0.0023						
SO23	06/11/02	0	0.5	LPCB	PCB-44	0.013	J	MG/KG	0.0023						
SO23	06/11/02	0	0.5	LPCB	PCB-52	0.043	J	MG/KG	0.0023						
SO23	06/11/02	0	0.5	LPCB	PCB-66	0.012	J	MG/KG	0.0023						
SO23	06/11/02	0	0.5	LPCB	PCB-8	0.02	J	MG/KG	0.0023						
SO23	06/11/02	0	0.5	METAL	ALUMINUM	34400	J	MG/KG	4.2						
SO23	06/11/02	0	0.5	METAL	ARSENIC	15		MG/KG	0.65	15.3		8.2	Yes	70	
SO23	06/11/02	0	0.5	METAL	BARIUM	86.4	J	MG/KG	0.22						
SO23	06/11/02	0	0.5	METAL	CALCIUM	4450	J	MG/KG	18.5						
SO23	06/11/02	0	0.5	METAL	CHROMIUM	103		MG/KG	0.12	112		81	Yes	370	
SO23	06/11/02	0	0.5	METAL	COBALT	26.5		MG/KG	0.083						
SO23	06/11/02	0	0.5	METAL	COPPER	75.4		MG/KG	0.32	68.1	Yes	34	Yes	270	
SO23	06/11/02	0	0.5	METAL	IRON	49000		MG/KG	0.88						
SO23	06/11/02	0	0.5	METAL	LEAD	27.5		MG/KG	0.3	43.2		46.7		218	
SO23	06/11/02	0	0.5	METAL	MAGNESIUM	15500		MG/KG	2.5						
SO23	06/11/02	0	0.5	METAL	MANGANESE	1070		MG/KG	0.18						
SO23	06/11/02	0	0.5	METAL	MERCURY	0.45		MG/KG	0.046	0.43	Yes	0.15	Yes	0.71	
SO23	06/11/02	0	0.5	METAL	NICKEL	110		MG/KG	0.18	112		20.9	Yes	51.6	Yes
SO23	06/11/02	0	0.5	METAL	POTASSIUM	3220	J	MG/KG	8.3						
SO23	06/11/02	0	0.5	METAL	SODIUM	5810		MG/KG	43.9						
SO23	06/11/02	0	0.5	METAL	VANADIUM	94.7		MG/KG	0.23						
SO23	06/11/02	0	0.5	METAL	ZINC	140	J	MG/KG	0.51	158		150		410	
SO23	06/11/02	0	0.5	TPHEXT	MOTOR OIL RANGE ORGANICS	160		MG/KG	23						
SO23	06/11/02	8	8.5	METAL	ALUMINUM	34400	J	MG/KG	3.9						
SO23	06/11/02	8	8.5	METAL	ARSENIC	15.3		MG/KG	0.61	15.3		8.2	Yes	70	
SO23	06/11/02	8	8.5	METAL	BARIUM	72.8	J	MG/KG	0.21						
SO23	06/11/02	8	8.5	METAL	CALCIUM	4250	J	MG/KG	17.4						
SO23	06/11/02	8	8.5	METAL	CHROMIUM	103		MG/KG	0.11	112		81	Yes	370	
SO23	06/11/02	8	8.5	METAL	COBALT	26.3		MG/KG	0.078						
SO23	06/11/02	8	8.5	METAL	COPPER	73.2		MG/KG	0.3	68.1	Yes	34	Yes	270	
SO23	06/11/02	8	8.5	METAL	IRON	47800		MG/KG	0.83						
SO23	06/11/02	8	8.5	METAL	LEAD	29		MG/KG	0.28	43.2		46.7		218	
SO23	06/11/02	8	8.5	METAL	MAGNESIUM	15600		MG/KG	2.4						
SO23	06/11/02	8	8.5	METAL	MANGANESE	1170		MG/KG	0.17						
SO23	06/11/02	8	8.5	METAL	MERCURY	0.45		MG/KG	0.043	0.43	Yes	0.15	Yes	0.71	
SO23	06/11/02	8	8.5	METAL	NICKEL	112		MG/KG	0.17	112		20.9	Yes	51.6	Yes
SO23	06/11/02	8	8.5	METAL	POTASSIUM	3630	J	MG/KG	7.8						
SO23	06/11/02	8	8.5	METAL	SODIUM	7750		MG/KG	41.3						
SO23	06/11/02	8	8.5	METAL	VANADIUM	89.1		MG/KG	0.21						
SO23	06/11/02	8	8.5	METAL	ZINC	141	J	MG/KG	0.48	158		150		410	
SO23	06/11/02	8	8.5	PCB	AROCLOR-1016	0.039	J	MG/KG	0.11						
SO23	06/11/02	8	8.5	PCB	AROCLOR-1260	2.94	J	MG/KG	0.054						
SO23	06/11/02	8	8.5	TPHEXT	MOTOR OIL RANGE ORGANICS	160		MG/KG	22						
SO23	06/11/02	16	16.5	METAL	ALUMINUM	46000	J	MG/KG	3.9						
SO23	06/11/02	16	16.5	METAL	ARSENIC	15.8		MG/KG	0.61	15.3	Yes	8.2	Yes	70	

SEDIMENT DATA FOR CELL 32

DETECTED SEDIMENT RESULTS FOR SAMPLES COLLECTED IN OFFSHORE CELLS 29 THROUGH 35

Location	Date	Depth-Top of sample	Depth-Bottom of sample	Analyte Group	Analyte	Result	Qualifier	Unit	Detection Limit	SF Bay Ambient (<100% fines)	Exceed Ambient?	ER-L	Exceed ER-L?	ER-M	Exceed ER-M?
SO23	06/11/02	16	16.5	METAL	BARIUM	83.5	J	MG/KG	0.21						
SO23	06/11/02	16	16.5	METAL	CALCIUM	5200	J	MG/KG	17.4						
SO23	06/11/02	16	16.5	METAL	CHROMIUM	121		MG/KG	0.11	112	Yes	81	Yes	370	
SO23	06/11/02	16	16.5	METAL	COBALT	28.1		MG/KG	0.078						
SO23	06/11/02	16	16.5	METAL	COPPER	74.5		MG/KG	0.3	68.1	Yes	34	Yes	270	
SO23	06/11/02	16	16.5	METAL	IRON	54800		MG/KG	0.83						
SO23	06/11/02	16	16.5	METAL	LEAD	34.7		MG/KG	0.28	43.2		46.7		218	
SO23	06/11/02	16	16.5	METAL	MAGNESIUM	17100		MG/KG	2.4						
SO23	06/11/02	16	16.5	METAL	MANGANESE	913		MG/KG	0.17						
SO23	06/11/02	16	16.5	METAL	MERCURY	0.52		MG/KG	0.044	0.43	Yes	0.15	Yes	0.71	
SO23	06/11/02	16	16.5	METAL	NICKEL	118		MG/KG	0.17	112	Yes	20.9	Yes	51.6	Yes
SO23	06/11/02	16	16.5	METAL	POTASSIUM	4660	J	MG/KG	7.8						
SO23	06/11/02	16	16.5	METAL	SODIUM	7960		MG/KG	41.4						
SO23	06/11/02	16	16.5	METAL	VANADIUM	105		MG/KG	0.21						
SO23	06/11/02	16	16.5	METAL	ZINC	161	J	MG/KG	0.48	158	Yes	150	Yes	410	
SO23	06/11/02	16	16.5	PCB	AROCLOR-1260	0.1		MG/KG	0.054						
SO23	06/11/02	16	16.5	TPHEXT	MOTOR OIL RANGE ORGANICS	220		MG/KG	22						
SO23	06/11/02	32	32.5	METAL	ALUMINUM	46800	J	MG/KG	3.4						
SO23	06/11/02	32	32.5	METAL	ARSENIC	32.1		MG/KG	0.53	15.3	Yes	8.2	Yes	70	
SO23	06/11/02	32	32.5	METAL	BARIUM	102	J	MG/KG	0.18						
SO23	06/11/02	32	32.5	METAL	CALCIUM	4430	J	MG/KG	15.1						
SO23	06/11/02	32	32.5	METAL	CHROMIUM	114		MG/KG	0.094	112	Yes	81	Yes	370	
SO23	06/11/02	32	32.5	METAL	COBALT	29.3		MG/KG	0.068						
SO23	06/11/02	32	32.5	METAL	COPPER	85.4		MG/KG	0.26	68.1	Yes	34	Yes	270	
SO23	06/11/02	32	32.5	METAL	IRON	50300		MG/KG	0.72						
SO23	06/11/02	32	32.5	METAL	LEAD	117		MG/KG	0.25	43.2	Yes	46.7	Yes	218	
SO23	06/11/02	32	32.5	METAL	MAGNESIUM	14000		MG/KG	2.1						
SO23	06/11/02	32	32.5	METAL	MANGANESE	1140		MG/KG	0.15						
SO23	06/11/02	32	32.5	METAL	MERCURY	0.73		MG/KG	0.038	0.43	Yes	0.15	Yes	0.71	Yes
SO23	06/11/02	32	32.5	METAL	NICKEL	117		MG/KG	0.14	112	Yes	20.9	Yes	51.6	Yes
SO23	06/11/02	32	32.5	METAL	POTASSIUM	4050	J	MG/KG	6.8						
SO23	06/11/02	32	32.5	METAL	SODIUM	5910		MG/KG	35.9						
SO23	06/11/02	32	32.5	METAL	VANADIUM	116		MG/KG	0.18						
SO23	06/11/02	32	32.5	METAL	ZINC	139	J	MG/KG	0.42	158		150		410	
SO23	06/11/02	32	32.5	PCB	AROCLOR-1260	0.057		MG/KG	0.047						
SO23	06/11/02	32	32.5	TPHEXT	MOTOR OIL RANGE ORGANICS	200		MG/KG	19						
SO23	06/11/02	32	32.5	TPHPRG	GASOLINE RANGE ORGANICS	0.7	J	MG/KG	1.2						

SEDIMENT DATA FOR CELL 33

DETECTED SEDIMENT RESULTS FOR SAMPLES COLLECTED IN OFFSHORE CELLS 29 THROUGH 35

Location	Date	Depth-Top of sample	Depth-Bottom of sample	Analyte Group	Analyte	Result	Qualifier	Unit	Detection Limit	SF Bay Ambient (<100% fines)	Exceed Ambient?	ER-L	Exceed ER-L?	ER-M	Exceed ER-M?
NM33	06/18/97	0	0.5	LPEST	2,4'-DDD	0.0004		MG/KG	0.0003						
NM33	06/18/97	0	0.5	LPEST	4,4'-DDD	0.0009		MG/KG	0.0003			0.002		0.02	
NM33	06/18/97	0	0.5	LPEST	4,4'-DDE	0.002		MG/KG	0.0003			0.0022		0.027	
NM33	06/18/97	0	0.5	LPEST	DIELDRIN	0.0006		MG/KG	0.0003	0.00044	Yes	0.00002	Yes	0.008	
NM33	06/18/97	0	0.5	LPEST	PCB-138	0.0004		MG/KG	0.0003						
NM33	06/18/97	0	0.5	LPEST	PCB-153	0.0004		MG/KG	0.0003						
NM33	06/18/97	0	0.5	METAL	ALUMINUM	19100		MG/KG	7.6						
NM33	06/18/97	0	0.5	METAL	ANTIMONY	1.1	J	MG/KG	0.58			2		25	
NM33	06/18/97	0	0.5	METAL	ARSENIC	11.6		MG/KG	0.75	15.3		8.2	Yes	70	
NM33	06/18/97	0	0.5	METAL	BARIUM	60.6		MG/KG	0.62						
NM33	06/18/97	0	0.5	METAL	CALCIUM	4480	J	MG/KG	30						
NM33	06/18/97	0	0.5	METAL	CHROMIUM	74.1		MG/KG	0.27	112		81		370	
NM33	06/18/97	0	0.5	METAL	COBALT	19.4		MG/KG	0.29						
NM33	06/18/97	0	0.5	METAL	COPPER	60.2		MG/KG	0.37	68.1		34	Yes	270	
NM33	06/18/97	0	0.5	METAL	IRON	36300		MG/KG	5.4						
NM33	06/18/97	0	0.5	METAL	LEAD	22.9		MG/KG	0.41	43.2		46.7		218	
NM33	06/18/97	0	0.5	METAL	MAGNESIUM	13000		MG/KG	23.6						
NM33	06/18/97	0	0.5	METAL	MANGANESE	974		MG/KG	0.062						
NM33	06/18/97	0	0.5	METAL	MERCURY	0.32		MG/KG	0.27	0.43		0.15	Yes	0.71	
NM33	06/18/97	0	0.5	METAL	MOLYBDENUM	0.3	J	MG/KG	0.29						
NM33	06/18/97	0	0.5	METAL	NICKEL	93.3		MG/KG	0.33	112		20.9	Yes	51.6	Yes
NM33	06/18/97	0	0.5	METAL	POTASSIUM	3500	J	MG/KG	63.2						
NM33	06/18/97	0	0.5	METAL	SODIUM	11000	J	MG/KG	69.5						
NM33	06/18/97	0	0.5	METAL	VANADIUM	69.8		MG/KG	0.25						
NM33	06/18/97	0	0.5	METAL	ZINC	122		MG/KG	0.25	158		150		410	
NM33	06/18/97	0	0.5	PAH	BENZO(A)ANTHRACENE	0.014	J	MG/KG	0.021	0.244		0.261		1.6	
NM33	06/18/97	0	0.5	PAH	BENZO(A)PYRENE	0.033	J	MG/KG	0.021	0.412		0.43		1.6	
NM33	06/18/97	0	0.5	PAH	BENZO(B)FLUORANTHENE	0.023	J	MG/KG	0.021	0.371					
NM33	06/18/97	0	0.5	PAH	BENZO(E)PYRENE	0.028	J	MG/KG	0.021	0.294					
NM33	06/18/97	0	0.5	PAH	BENZO(G,H,I)PERYLENE	0.045	J	MG/KG	0.021	0.31					
NM33	06/18/97	0	0.5	PAH	BENZO(K)FLUORANTHENE	0.028	J	MG/KG	0.021	0.258					
NM33	06/18/97	0	0.5	PAH	CHRYSENE	0.025	J	MG/KG	0.021	0.289		0.384		2.8	
NM33	06/18/97	0	0.5	PAH	FLUORANTHENE	0.046	J	MG/KG	0.021	0.514		0.6		5.1	
NM33	06/18/97	0	0.5	PAH	INDENO(1,2,3-CD)PYRENE	0.03	J	MG/KG	0.021	0.382					
NM33	06/18/97	0	0.5	PAH	PERYLENE	0.032	J	MG/KG	0.021	0.145					
NM33	06/18/97	0	0.5	PAH	PHENANTHRENE	0.022	J	MG/KG	0.021	0.237		0.24		1.5	
NM33	06/18/97	0	0.5	PAH	PYRENE	0.057	J	MG/KG	0.021	0.665		0.665		2.6	
NM33	06/18/97	0	0.5	TPHEXT	MOTOR OIL RANGE ORGANICS	130	J	MG/KG	140						
NM33o	06/18/97	0	0.5	LPEST	4,4'-DDD	0.001		MG/KG	0.0003			0.002		0.02	
NM33o	06/18/97	0	0.5	LPEST	4,4'-DDE	0.002		MG/KG	0.0003			0.0022		0.027	
NM33o	06/18/97	0	0.5	LPEST	ALPHA-BHC	0.0004		MG/KG	0.0003						
NM33o	06/18/97	0	0.5	LPEST	DIELDRIN	0.0005		MG/KG	0.0003	0.00044	Yes	0.00002	Yes	0.008	
NM33o	06/18/97	0	0.5	LPEST	PCB-138	0.0004		MG/KG	0.0003						
NM33o	06/18/97	0	0.5	METAL	ALUMINUM	16800		MG/KG	9.7						
NM33o	06/18/97	0	0.5	METAL	ANTIMONY	0.82	J	MG/KG	0.74			2		25	
NM33o	06/18/97	0	0.5	METAL	ARSENIC	10.7		MG/KG	0.95	15.3		8.2	Yes	70	

SEDIMENT DATA FOR CELL 33

DETECTED SEDIMENT RESULTS FOR SAMPLES COLLECTED IN OFFSHORE CELLS 29 THROUGH 35

Location	Date	Depth-Top of sample	Depth-Bottom of sample	Analyte Group	Analyte	Result	Qualifier	Unit	Detection Limit	SF Bay Ambient (<100% fines)	Exceed Ambient?	ER-L	Exceed ER-L?	ER-M	Exceed ER-M?
NM33o	06/18/97	0	0.5	METAL	BARIUM	46.1	J	MG/KG	0.79						
NM33o	06/18/97	0	0.5	METAL	CALCIUM	2960	J	MG/KG	38.2						
NM33o	06/18/97	0	0.5	METAL	CHROMIUM	59.8		MG/KG	0.34	112		81		370	
NM33o	06/18/97	0	0.5	METAL	COBALT	16.4		MG/KG	0.37						
NM33o	06/18/97	0	0.5	METAL	COPPER	53		MG/KG	0.48	68.1		34	Yes	270	
NM33o	06/18/97	0	0.5	METAL	IRON	30400		MG/KG	6.9						
NM33o	06/18/97	0	0.5	METAL	LEAD	19.3		MG/KG	0.53	43.2		46.7		218	
NM33o	06/18/97	0	0.5	METAL	MAGNESIUM	11300		MG/KG	30.1						
NM33o	06/18/97	0	0.5	METAL	MANGANESE	1160		MG/KG	0.079						
NM33o	06/18/97	0	0.5	METAL	MERCURY	0.29	J	MG/KG	0.29	0.43		0.15	Yes	0.71	
NM33o	06/18/97	0	0.5	METAL	NICKEL	77		MG/KG	0.42	112		20.9	Yes	51.6	Yes
NM33o	06/18/97	0	0.5	METAL	POTASSIUM	3210	J	MG/KG	80.5						
NM33o	06/18/97	0	0.5	METAL	SODIUM	14200	J	MG/KG	88.6						
NM33o	06/18/97	0	0.5	METAL	TIN	4.9	J	MG/KG	1.8						
NM33o	06/18/97	0	0.5	METAL	VANADIUM	60		MG/KG	0.32						
NM33o	06/18/97	0	0.5	METAL	ZINC	102		MG/KG	0.32	158		150		410	
NM33o	06/18/97	0	0.5	PAH	BENZO(A)ANTHRACENE	0.031		MG/KG	0.024	0.244		0.261		1.6	
NM33o	06/18/97	0	0.5	PAH	BENZO(A)PYRENE	0.067		MG/KG	0.024	0.412		0.43		1.6	
NM33o	06/18/97	0	0.5	PAH	BENZO(B)FLUORANTHENE	0.063		MG/KG	0.024	0.371					
NM33o	06/18/97	0	0.5	PAH	BENZO(E)PYRENE	0.049		MG/KG	0.024	0.294					
NM33o	06/18/97	0	0.5	PAH	BENZO(G,H,I)PERYLENE	0.1		MG/KG	0.024	0.31					
NM33o	06/18/97	0	0.5	PAH	BENZO(K)FLUORANTHENE	0.04		MG/KG	0.024	0.258					
NM33o	06/18/97	0	0.5	PAH	CHRYSENE	0.04		MG/KG	0.024	0.289		0.384		2.8	
NM33o	06/18/97	0	0.5	PAH	DIBENZ(A,H)ANTHRACENE	0.013	J	MG/KG	0.024	0.0327		0.0634		0.26	
NM33o	06/18/97	0	0.5	PAH	FLUORANTHENE	0.085		MG/KG	0.024	0.514		0.6		5.1	
NM33o	06/18/97	0	0.5	PAH	INDENO(1,2,3-CD)PYRENE	0.067		MG/KG	0.024	0.382					
NM33o	06/18/97	0	0.5	PAH	PERYLENE	0.06		MG/KG	0.024	0.145					
NM33o	06/18/97	0	0.5	PAH	PHENANTHRENE	0.039		MG/KG	0.024	0.237		0.24		1.5	
NM33o	06/18/97	0	0.5	PAH	PYRENE	0.095		MG/KG	0.024	0.665		0.665		2.6	
NM33o	06/18/97	0	0.5	TPHEXT	MOTOR OIL RANGE ORGANICS	110	J	MG/KG	150						

SEDIMENT DATA FOR CELL 34

DETECTED SEDIMENT RESULTS FOR SAMPLES COLLECTED IN OFFSHORE CELLS 29 THROUGH 35

Location	Date	Depth-Top of sample	Depth-Bottom of sample	Analyte Group	Analyte	Result	Qualifier	Unit	Detection Limit	SF Bay Ambient (<100% fines)	Exceed Ambient?	ER-L	Exceed ER-L?	ER-M	Exceed ER-M?
NM34	06/18/97	0	0.5	LPEST	2,4'-DDD	0.0005		MG/KG	0.0003						
NM34	06/18/97	0	0.5	LPEST	4,4'-DDD	0.001		MG/KG	0.0003			0.002		0.02	
NM34	06/18/97	0	0.5	LPEST	4,4'-DDE	0.002		MG/KG	0.0003			0.0022		0.027	
NM34	06/18/97	0	0.5	LPEST	4,4'-DDT	0.0004	J	MG/KG	0.0005			0.001		0.007	
NM34	06/18/97	0	0.5	LPEST	DIELDRIN	0.0005		MG/KG	0.0003	0.00044	Yes	0.00002	Yes	0.008	
NM34	06/18/97	0	0.5	LPEST	GAMMA-BHC (LINDANE)	0.0003		MG/KG	0.0003						
NM34	06/18/97	0	0.5	LPEST	PCB-138	0.0004		MG/KG	0.0003						
NM34	06/18/97	0	0.5	LPEST	PCB-153	0.0003		MG/KG	0.0003						
NM34	06/18/97	0	0.5	LPEST	PCB-180	0.0004		MG/KG	0.0003						
NM34	06/18/97	0	0.5	METAL	ALUMINUM	19500		MG/KG	9.8						
NM34	06/18/97	0	0.5	METAL	ANTIMONY	1.4	J	MG/KG	0.74			2		25	
NM34	06/18/97	0	0.5	METAL	ARSENIC	11.3		MG/KG	0.96	15.3		8.2	Yes	70	
NM34	06/18/97	0	0.5	METAL	BARIUM	52	J	MG/KG	0.8						
NM34	06/18/97	0	0.5	METAL	CALCIUM	3440	J	MG/KG	38.5						
NM34	06/18/97	0	0.5	METAL	CHROMIUM	67.5		MG/KG	0.35	112		81		370	
NM34	06/18/97	0	0.5	METAL	COBALT	17.9		MG/KG	0.37						
NM34	06/18/97	0	0.5	METAL	COPPER	55.9		MG/KG	0.48	68.1		34	Yes	270	
NM34	06/18/97	0	0.5	METAL	IRON	34600		MG/KG	6.9						
NM34	06/18/97	0	0.5	METAL	LEAD	20.7		MG/KG	0.53	43.2		46.7		218	
NM34	06/18/97	0	0.5	METAL	MAGNESIUM	11700		MG/KG	30.3						
NM34	06/18/97	0	0.5	METAL	MANGANESE	836		MG/KG	0.08						
NM34	06/18/97	0	0.5	METAL	MERCURY	0.25	J	MG/KG	0.25	0.43		0.15	Yes	0.71	
NM34	06/18/97	0	0.5	METAL	NICKEL	83.2		MG/KG	0.43	112		20.9	Yes	51.6	Yes
NM34	06/18/97	0	0.5	METAL	POTASSIUM	3520	J	MG/KG	81.1						
NM34	06/18/97	0	0.5	METAL	SODIUM	11600	J	MG/KG	89.3						
NM34	06/18/97	0	0.5	METAL	VANADIUM	66.4		MG/KG	0.32						
NM34	06/18/97	0	0.5	METAL	ZINC	113		MG/KG	0.32	158		150		410	
NM34	06/18/97	0	0.5	PAH	BENZO(A)ANTHRACENE	0.024	J	MG/KG	0.022	0.244		0.261		1.6	
NM34	06/18/97	0	0.5	PAH	BENZO(A)PYRENE	0.047	J	MG/KG	0.022	0.412		0.43		1.6	
NM34	06/18/97	0	0.5	PAH	BENZO(B)FLUORANTHENE	0.036	J	MG/KG	0.022	0.371					
NM34	06/18/97	0	0.5	PAH	BENZO(E)PYRENE	0.038	J	MG/KG	0.022	0.294					
NM34	06/18/97	0	0.5	PAH	BENZO(G,H,I)PERYLENE	0.061	J	MG/KG	0.022	0.31					
NM34	06/18/97	0	0.5	PAH	BENZO(K)FLUORANTHENE	0.041	J	MG/KG	0.022	0.258					
NM34	06/18/97	0	0.5	PAH	CHRYSENE	0.039	J	MG/KG	0.022	0.289		0.384		2.8	
NM34	06/18/97	0	0.5	PAH	FLUORANTHENE	0.069		MG/KG	0.022	0.514		0.6		5.1	
NM34	06/18/97	0	0.5	PAH	INDENO(1,2,3-CD)PYRENE	0.046	J	MG/KG	0.022	0.382					
NM34	06/18/97	0	0.5	PAH	NAPHTHALENE	0.014	J	MG/KG	0.022	0.0558		0.16		2.1	
NM34	06/18/97	0	0.5	PAH	PERYLENE	0.042	J	MG/KG	0.022	0.145					
NM34	06/18/97	0	0.5	PAH	PHENANTHRENE	0.026		MG/KG	0.022	0.237		0.24		1.5	
NM34	06/18/97	0	0.5	PAH	PYRENE	0.08		MG/KG	0.022	0.665		0.665		2.6	
NM34	06/18/97	0	0.5	TPHEXT	MOTOR OIL RANGE ORGANICS	120	J	MG/KG	140						

SEDIMENT DATA FOR CELL 35

DETECTED SEDIMENT RESULTS FOR SAMPLES COLLECTED IN OFFSHORE CELLS 29 THROUGH 35

Location	Date	Depth-Top of sample	Depth-Bottom of sample	Analyte Group	Analyte	Result	Qualifier	Unit	Detection Limit	SF Bay Ambient (<100% fines)	Exceed Ambient?	ER-L	Exceed ER-L?	ER-M	Exceed ER-M?
NM35	06/17/97	0	0.5	LPEST	PCB-180	0.0004		MG/KG	0.0003						
NM35	06/17/97	0	0.5	METAL	ALUMINUM	20600		MG/KG	7.1						
NM35	06/17/97	0	0.5	METAL	ANTIMONY	0.56	J	MG/KG	0.54			2		25	
NM35	06/17/97	0	0.5	METAL	ARSENIC	10.8		MG/KG	0.7	15.3		8.2	Yes	70	
NM35	06/17/97	0	0.5	METAL	BARIUM	53.9		MG/KG	0.58						
NM35	06/17/97	0	0.5	METAL	CALCIUM	3930	J	MG/KG	28						
NM35	06/17/97	0	0.5	METAL	CHROMIUM	71.1		MG/KG	0.25	112		81		370	
NM35	06/17/97	0	0.5	METAL	COBALT	19.2		MG/KG	0.27						
NM35	06/17/97	0	0.5	METAL	COPPER	58.1		MG/KG	0.35	68.1		34	Yes	270	
NM35	06/17/97	0	0.5	METAL	IRON	35500		MG/KG	5						
NM35	06/17/97	0	0.5	METAL	LEAD	21.6		MG/KG	0.39	43.2		46.7		218	
NM35	06/17/97	0	0.5	METAL	MAGNESIUM	12400		MG/KG	22						
NM35	06/17/97	0	0.5	METAL	MANGANESE	870		MG/KG	0.058						
NM35	06/17/97	0	0.5	METAL	MERCURY	0.22	J	MG/KG	0.22	0.43		0.15	Yes	0.71	
NM35	06/17/97	0	0.5	METAL	NICKEL	87.8		MG/KG	0.31	112		20.9	Yes	51.6	Yes
NM35	06/17/97	0	0.5	METAL	POTASSIUM	3460	J	MG/KG	58.9						
NM35	06/17/97	0	0.5	METAL	SODIUM	11500	J	MG/KG	64.8						
NM35	06/17/97	0	0.5	METAL	VANADIUM	67.7		MG/KG	0.23						
NM35	06/17/97	0	0.5	METAL	ZINC	116		MG/KG	0.23	158		150		410	
NM35	06/17/97	0	0.5	PAH	BENZO(A)ANTHRACENE	0.029		MG/KG	0.021	0.244		0.261		1.6	
NM35	06/17/97	0	0.5	PAH	BENZO(A)PYRENE	0.062		MG/KG	0.021	0.412		0.43		1.6	
NM35	06/17/97	0	0.5	PAH	BENZO(B)FLUORANTHENE	0.066		MG/KG	0.021	0.371					
NM35	06/17/97	0	0.5	PAH	BENZO(E)PYRENE	0.044		MG/KG	0.021	0.294					
NM35	06/17/97	0	0.5	PAH	BENZO(G,H,I)PERYLENE	0.089		MG/KG	0.021	0.31					
NM35	06/17/97	0	0.5	PAH	BENZO(K)FLUORANTHENE	0.034		MG/KG	0.021	0.258					
NM35	06/17/97	0	0.5	PAH	CHRYSENE	0.031		MG/KG	0.021	0.289		0.384		2.8	
NM35	06/17/97	0	0.5	PAH	DIBENZ(A,H)ANTHRACENE	0.013	J	MG/KG	0.021	0.0327		0.0634		0.26	
NM35	06/17/97	0	0.5	PAH	FLUORANTHENE	0.073		MG/KG	0.021	0.514		0.6		5.1	
NM35	06/17/97	0	0.5	PAH	INDENO(1,2,3-CD)PYRENE	0.066		MG/KG	0.021	0.382					
NM35	06/17/97	0	0.5	PAH	NAPHTHALENE	0.011	J	MG/KG	0.021	0.0558		0.16		2.1	
NM35	06/17/97	0	0.5	PAH	PERYLENE	0.056		MG/KG	0.021	0.145					
NM35	06/17/97	0	0.5	PAH	PHENANTHRENE	0.023		MG/KG	0.021	0.237		0.24		1.5	
NM35	06/17/97	0	0.5	PAH	PYRENE	0.082		MG/KG	0.021	0.665		0.665		2.6	
SO25	06/12/02	0	0.5	METAL	ALUMINUM	42100	J	MG/KG	4						
SO25	06/12/02	0	0.5	METAL	ARSENIC	14.8		MG/KG	0.62	15.3		8.2	Yes	70	
SO25	06/12/02	0	0.5	METAL	BARIUM	122	J	MG/KG	0.21						
SO25	06/12/02	0	0.5	METAL	CALCIUM	5000	J	MG/KG	17.8						
SO25	06/12/02	0	0.5	METAL	CHROMIUM	108		MG/KG	0.11	112		81	Yes	370	
SO25	06/12/02	0	0.5	METAL	COBALT	28.6		MG/KG	0.08						
SO25	06/12/02	0	0.5	METAL	COPPER	72.9		MG/KG	0.31	68.1	Yes	34	Yes	270	
SO25	06/12/02	0	0.5	METAL	IRON	48100		MG/KG	0.85						
SO25	06/12/02	0	0.5	METAL	LEAD	27.7		MG/KG	0.29	43.2		46.7		218	
SO25	06/12/02	0	0.5	METAL	MAGNESIUM	15300		MG/KG	2.4						
SO25	06/12/02	0	0.5	METAL	MANGANESE	987		MG/KG	0.17						
SO25	06/12/02	0	0.5	METAL	MERCURY	0.44		MG/KG	0.044	0.43	Yes	0.15	Yes	0.71	
SO25	06/12/02	0	0.5	METAL	NICKEL	113		MG/KG	0.17	112	Yes	20.9	Yes	51.6	Yes
SO25	06/12/02	0	0.5	METAL	POTASSIUM	3740	J	MG/KG	8						

SEDIMENT DATA FOR CELL 35

DETECTED SEDIMENT RESULTS FOR SAMPLES COLLECTED IN OFFSHORE CELLS 29 THROUGH 35

Location	Date	Depth-Top of sample	Depth-Bottom of sample	Analyte Group	Analyte	Result	Qualifier	Unit	Detection Limit	SF Bay Ambient (<100% fines)	Exceed Ambient?	ER-L	Exceed ER-L?	ER-M	Exceed ER-M?
SO25	06/12/02	0	0.5	METAL	SODIUM	6610		MG/KG	42.3						
SO25	06/12/02	0	0.5	METAL	VANADIUM	102		MG/KG	0.22						
SO25	06/12/02	0	0.5	METAL	ZINC	146	J	MG/KG	0.49	158		150		410	
SO25	06/12/02	0	0.5	TPHEXT	MOTOR OIL RANGE ORGANICS	240		MG/KG	22						
SO25	06/12/02	8	8.5	METAL	ALUMINUM	39700	J	MG/KG	3.5						
SO25	06/12/02	8	8.5	METAL	ARSENIC	14.8		MG/KG	0.55	15.3		8.2	Yes	70	
SO25	06/12/02	8	8.5	METAL	BARIUM	155	J	MG/KG	0.19						
SO25	06/12/02	8	8.5	METAL	CALCIUM	4930	J	MG/KG	15.7						
SO25	06/12/02	8	8.5	METAL	CHROMIUM	110		MG/KG	0.098	112		81	Yes	370	
SO25	06/12/02	8	8.5	METAL	COBALT	30.5		MG/KG	0.071						
SO25	06/12/02	8	8.5	METAL	COPPER	78.3		MG/KG	0.27	68.1	Yes	34	Yes	270	
SO25	06/12/02	8	8.5	METAL	IRON	51500		MG/KG	0.74						
SO25	06/12/02	8	8.5	METAL	LEAD	22.7		MG/KG	0.25	43.2		46.7		218	
SO25	06/12/02	8	8.5	METAL	MAGNESIUM	16800		MG/KG	2.2						
SO25	06/12/02	8	8.5	METAL	MANGANESE	1270		MG/KG	0.15						
SO25	06/12/02	8	8.5	METAL	MERCURY	0.33		MG/KG	0.039	0.43		0.15	Yes	0.71	
SO25	06/12/02	8	8.5	METAL	NICKEL	129		MG/KG	0.15	112	Yes	20.9	Yes	51.6	Yes
SO25	06/12/02	8	8.5	METAL	POTASSIUM	3580	J	MG/KG	7.1						
SO25	06/12/02	8	8.5	METAL	SODIUM	6320		MG/KG	37.2						
SO25	06/12/02	8	8.5	METAL	VANADIUM	103		MG/KG	0.19						
SO25	06/12/02	8	8.5	METAL	ZINC	151	J	MG/KG	0.43	158		150	Yes	410	
SO25	06/12/02	8	8.5	PCB	AROCLOR-1260	0.053		MG/KG	0.049						
SO25	06/12/02	8	8.5	TPHEXT	MOTOR OIL RANGE ORGANICS	220		MG/KG	20						
SO25	06/12/02	16	16.5	METAL	ALUMINUM	41200	J	MG/KG	3.6						
SO25	06/12/02	16	16.5	METAL	ARSENIC	15.1		MG/KG	0.56	15.3		8.2	Yes	70	
SO25	06/12/02	16	16.5	METAL	BARIUM	128	J	MG/KG	0.19						
SO25	06/12/02	16	16.5	METAL	CALCIUM	4550	J	MG/KG	16.1						
SO25	06/12/02	16	16.5	METAL	CHROMIUM	120		MG/KG	0.1	112	Yes	81	Yes	370	
SO25	06/12/02	16	16.5	METAL	COBALT	30.2		MG/KG	0.072						
SO25	06/12/02	16	16.5	METAL	COPPER	73.5		MG/KG	0.28	68.1	Yes	34	Yes	270	
SO25	06/12/02	16	16.5	METAL	IRON	48900		MG/KG	0.76						
SO25	06/12/02	16	16.5	METAL	LEAD	25.4		MG/KG	0.26	43.2		46.7		218	
SO25	06/12/02	16	16.5	METAL	MAGNESIUM	17000		MG/KG	2.2						
SO25	06/12/02	16	16.5	METAL	MANGANESE	925		MG/KG	0.16						
SO25	06/12/02	16	16.5	METAL	MERCURY	0.38		MG/KG	0.04	0.43		0.15	Yes	0.71	
SO25	06/12/02	16	16.5	METAL	NICKEL	128		MG/KG	0.15	112	Yes	20.9	Yes	51.6	Yes
SO25	06/12/02	16	16.5	METAL	POTASSIUM	3750	J	MG/KG	7.2						
SO25	06/12/02	16	16.5	METAL	SODIUM	5480		MG/KG	38.2						
SO25	06/12/02	16	16.5	METAL	VANADIUM	101		MG/KG	0.2						
SO25	06/12/02	16	16.5	METAL	ZINC	143	J	MG/KG	0.44	158		150		410	
SO25	06/12/02	16	16.5	PCB	AROCLOR-1260	0.11		MG/KG	0.05						
SO25	06/12/02	16	16.5	TPHEXT	MOTOR OIL RANGE ORGANICS	190		MG/KG	20						
SO25	06/12/02	33	33.5	METAL	ALUMINUM	41000	J	MG/KG	3.5						
SO25	06/12/02	33	33.5	METAL	ARSENIC	16.2		MG/KG	0.54	15.3	Yes	8.2	Yes	70	
SO25	06/12/02	33	33.5	METAL	BARIUM	142	J	MG/KG	0.19						
SO25	06/12/02	33	33.5	METAL	CALCIUM	4470	J	MG/KG	15.5						
SO25	06/12/02	33	33.5	METAL	CHROMIUM	115		MG/KG	0.097	112	Yes	81	Yes	370	

SEDIMENT DATA FOR CELL 35

DETECTED SEDIMENT RESULTS FOR SAMPLES COLLECTED IN OFFSHORE CELLS 29 THROUGH 35

Location	Date	Depth-Top of sample	Depth-Bottom of sample	Analyte Group	Analyte	Result	Qualifier	Unit	Detection Limit	SF Bay Ambient (<100% fines)	Exceed Ambient?	ER-L	Exceed ER-L?	ER-M	Exceed ER-M?
SO25	06/12/02	33	33.5	METAL	COBALT	27.6		MG/KG	0.07						
SO25	06/12/02	33	33.5	METAL	COPPER	83.6		MG/KG	0.27	68.1	Yes	34	Yes	270	
SO25	06/12/02	33	33.5	METAL	IRON	46600		MG/KG	0.74						
SO25	06/12/02	33	33.5	METAL	LEAD	34.8		MG/KG	0.25	43.2		46.7		218	
SO25	06/12/02	33	33.5	METAL	MAGNESIUM	15700		MG/KG	2.1						
SO25	06/12/02	33	33.5	METAL	MANGANESE	925		MG/KG	0.15						
SO25	06/12/02	33	33.5	METAL	MERCURY	0.4		MG/KG	0.039	0.43		0.15	Yes	0.71	
SO25	06/12/02	33	33.5	METAL	NICKEL	116		MG/KG	0.15	112	Yes	20.9	Yes	51.6	Yes
SO25	06/12/02	33	33.5	METAL	POTASSIUM	3970	J	MG/KG	7						
SO25	06/12/02	33	33.5	METAL	SODIUM	7610		MG/KG	36.8						
SO25	06/12/02	33	33.5	METAL	VANADIUM	99.8		MG/KG	0.19						
SO25	06/12/02	33	33.5	METAL	ZINC	162	J	MG/KG	0.43	158	Yes	150	Yes	410	
SO25	06/12/02	33	33.5	PCB	AROCLOR-1260	0.13		MG/KG	0.048						
SO25	06/12/02	33	33.5	TPHEXT	MOTOR OIL RANGE ORGANICS	220		MG/KG	19						
SO26	06/12/02	0	0.5	LPCB	PCB-138	0.0026		MG/KG	0.0024						
SO26	06/12/02	0	0.5	LPCB	PCB-153	0.0033		MG/KG	0.0024						
SO26	06/12/02	0	0.5	LPCB	PCB-170	0.002	J	MG/KG	0.0024						
SO26	06/12/02	0	0.5	LPCB	PCB-180	0.004		MG/KG	0.0024						
SO26	06/12/02	0	0.5	LPCB	PCB-187	0.003	J	MG/KG	0.0024						
SO26	06/12/02	0	0.5	METAL	ALUMINUM	51800	J	MG/KG	4.3						
SO26	06/12/02	0	0.5	METAL	ARSENIC	16.2		MG/KG	0.67	15.3	Yes	8.2	Yes	70	
SO26	06/12/02	0	0.5	METAL	BARIUM	104	J	MG/KG	0.23						
SO26	06/12/02	0	0.5	METAL	CALCIUM	5720	J	MG/KG	19.1						
SO26	06/12/02	0	0.5	METAL	CHROMIUM	138		MG/KG	0.12	112	Yes	81	Yes	370	
SO26	06/12/02	0	0.5	METAL	COBALT	31.2		MG/KG	0.086						
SO26	06/12/02	0	0.5	METAL	COPPER	78.7		MG/KG	0.33	68.1	Yes	34	Yes	270	
SO26	06/12/02	0	0.5	METAL	IRON	57300		MG/KG	0.91						
SO26	06/12/02	0	0.5	METAL	LEAD	31		MG/KG	0.31	43.2		46.7		218	
SO26	06/12/02	0	0.5	METAL	MAGNESIUM	19200		MG/KG	2.6						
SO26	06/12/02	0	0.5	METAL	MANGANESE	1140		MG/KG	0.19						
SO26	06/12/02	0	0.5	METAL	MERCURY	0.38		MG/KG	0.048	0.43		0.15	Yes	0.71	
SO26	06/12/02	0	0.5	METAL	NICKEL	136		MG/KG	0.18	112	Yes	20.9	Yes	51.6	Yes
SO26	06/12/02	0	0.5	METAL	POTASSIUM	5000	J	MG/KG	8.6						
SO26	06/12/02	0	0.5	METAL	SODIUM	7000		MG/KG	45.4						
SO26	06/12/02	0	0.5	METAL	VANADIUM	118		MG/KG	0.23						
SO26	06/12/02	0	0.5	METAL	ZINC	168	J	MG/KG	0.53	158	Yes	150	Yes	410	
SO26	06/12/02	0	0.5	TPHEXT	MOTOR OIL RANGE ORGANICS	210		MG/KG	24						
SO26	06/12/02	8	8.5	METAL	ALUMINUM	33200	J	MG/KG	3.9						
SO26	06/12/02	8	8.5	METAL	ARSENIC	12.8		MG/KG	0.6	15.3		8.2	Yes	70	
SO26	06/12/02	8	8.5	METAL	BARIUM	69	J	MG/KG	0.21						
SO26	06/12/02	8	8.5	METAL	CALCIUM	4160	J	MG/KG	17.1						
SO26	06/12/02	8	8.5	METAL	CHROMIUM	95.2		MG/KG	0.11	112		81	Yes	370	
SO26	06/12/02	8	8.5	METAL	COBALT	23.5		MG/KG	0.077						
SO26	06/12/02	8	8.5	METAL	COPPER	61.9		MG/KG	0.3	68.1		34	Yes	270	
SO26	06/12/02	8	8.5	METAL	IRON	43500		MG/KG	0.81						
SO26	06/12/02	8	8.5	METAL	LEAD	24.7		MG/KG	0.28	43.2		46.7		218	
SO26	06/12/02	8	8.5	METAL	MAGNESIUM	14100		MG/KG	2.4						

SEDIMENT DATA FOR CELL 35

DETECTED SEDIMENT RESULTS FOR SAMPLES COLLECTED IN OFFSHORE CELLS 29 THROUGH 35

Location	Date	Depth-Top of sample	Depth-Bottom of sample	Analyte Group	Analyte	Result	Qualifier	Unit	Detection Limit	SF Bay Ambient (<100% fines)	Exceed Ambient?	ER-L	Exceed ER-L?	ER-M	Exceed ER-M?
SO26	06/12/02	8	8.5	METAL	MANGANESE	912		MG/KG	0.17						
SO26	06/12/02	8	8.5	METAL	MERCURY	0.39		MG/KG	0.043	0.43		0.15	Yes	0.71	
SO26	06/12/02	8	8.5	METAL	NICKEL	99.3		MG/KG	0.16	112		20.9	Yes	51.6	Yes
SO26	06/12/02	8	8.5	METAL	POTASSIUM	3540	J	MG/KG	7.7						
SO26	06/12/02	8	8.5	METAL	SODIUM	7850		MG/KG	40.7						
SO26	06/12/02	8	8.5	METAL	VANADIUM	83		MG/KG	0.21						
SO26	06/12/02	8	8.5	METAL	ZINC	133	J	MG/KG	0.47	158		150		410	
SO26	06/12/02	8	8.5	PCB	AROCLOR-1260	0.044	J	MG/KG	0.053						
SO26	06/12/02	8	8.5	TPHEXT	MOTOR OIL RANGE ORGANICS	220		MG/KG	21						
SO26	06/12/02	16	16.5	METAL	ALUMINUM	45100	J	MG/KG	3.7						
SO26	06/12/02	16	16.5	METAL	ARSENIC	14.8		MG/KG	0.57	15.3		8.2	Yes	70	
SO26	06/12/02	16	16.5	METAL	BARIUM	90.8	J	MG/KG	0.2						
SO26	06/12/02	16	16.5	METAL	CALCIUM	4850	J	MG/KG	16.3						
SO26	06/12/02	16	16.5	METAL	CHROMIUM	113		MG/KG	0.1	112	Yes	81	Yes	370	
SO26	06/12/02	16	16.5	METAL	COBALT	27.7		MG/KG	0.073						
SO26	06/12/02	16	16.5	METAL	COPPER	71.4		MG/KG	0.28	68.1	Yes	34	Yes	270	
SO26	06/12/02	16	16.5	METAL	IRON	50400		MG/KG	0.77						
SO26	06/12/02	16	16.5	METAL	LEAD	28.9		MG/KG	0.26	43.2		46.7		218	
SO26	06/12/02	16	16.5	METAL	MAGNESIUM	15800		MG/KG	2.2						
SO26	06/12/02	16	16.5	METAL	MANGANESE	1100		MG/KG	0.16						
SO26	06/12/02	16	16.5	METAL	MERCURY	0.38		MG/KG	0.041	0.43		0.15	Yes	0.71	
SO26	06/12/02	16	16.5	METAL	NICKEL	113		MG/KG	0.15	112	Yes	20.9	Yes	51.6	Yes
SO26	06/12/02	16	16.5	METAL	POTASSIUM	4220	J	MG/KG	7.3						
SO26	06/12/02	16	16.5	METAL	SODIUM	5900		MG/KG	38.7						
SO26	06/12/02	16	16.5	METAL	VANADIUM	106		MG/KG	0.2						
SO26	06/12/02	16	16.5	METAL	ZINC	150	J	MG/KG	0.45	158		150		410	
SO26	06/12/02	16	16.5	PCB	AROCLOR-1260	0.1		MG/KG	0.051						
SO26	06/12/02	16	16.5	TPHEXT	MOTOR OIL RANGE ORGANICS	150		MG/KG	20						
SO26	06/12/02	32	32.5	METAL	ALUMINUM	16700	J	MG/KG	2.2						
SO26	06/12/02	32	32.5	METAL	ARSENIC	10.6		MG/KG	0.34	15.3		8.2	Yes	70	
SO26	06/12/02	32	32.5	METAL	BARIUM	213	J	MG/KG	0.12						
SO26	06/12/02	32	32.5	METAL	CALCIUM	1210	J	MG/KG	9.8						
SO26	06/12/02	32	32.5	METAL	CHROMIUM	38.1		MG/KG	0.061	112		81		370	
SO26	06/12/02	32	32.5	METAL	COBALT	22.8		MG/KG	0.044						
SO26	06/12/02	32	32.5	METAL	COPPER	42.2		MG/KG	0.17	68.1		34	Yes	270	
SO26	06/12/02	32	32.5	METAL	IRON	28000		MG/KG	0.46						
SO26	06/12/02	32	32.5	METAL	LEAD	13.3		MG/KG	0.16	43.2		46.7		218	
SO26	06/12/02	32	32.5	METAL	MAGNESIUM	6830		MG/KG	1.3						
SO26	06/12/02	32	32.5	METAL	MANGANESE	1440		MG/KG	0.095						
SO26	06/12/02	32	32.5	METAL	NICKEL	55.9		MG/KG	0.093	112		20.9	Yes	51.6	Yes
SO26	06/12/02	32	32.5	METAL	POTASSIUM	2060	J	MG/KG	4.4						
SO26	06/12/02	32	32.5	METAL	VANADIUM	62.7		MG/KG	0.12						
SO26	06/12/02	32	32.5	METAL	ZINC	58.3	J	MG/KG	0.27	158		150		410	
SO26	06/12/02	32	32.5	TPHEXT	MOTOR OIL RANGE ORGANICS	20		MG/KG	12						