Appendix A
Sediment Sampling Data
RM 1.7–2.0 East (Slip 2 to Slip 3)

A–1. Chemicals Detected in Surface Sediment Samples

A–2. Chemicals Detected in Subsurface Sediment Samples

A–3. Chemicals Detected in Seep Samples

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
EPA Site Inspection	DR146	8/19/1998	1,2,3,4,6,7,8-HpCDD	3.30E-04	2.02	1.63E-02					
EPA Site Inspection	DR101	8/20/1998	1,2,3,4,6,7,8-HpCDD	6.60E-05	1.73	3.82E-03					
EPA Site Inspection	DR146	8/19/1998	1,2,3,4,6,7,8-HpCDF	4.94E-05	2.02	2.45E-03					
EPA Site Inspection	DR101	8/20/1998	1,2,3,4,6,7,8-HpCDF	9.60E-06	1.73	5.55E-04					
EPA Site Inspection	DR146	8/19/1998	1,2,3,4,7,8,9-HpCDF	3.26E-06 J	2.02	1.61E-04					
EPA Site Inspection	DR146	8/19/1998	1,2,3,4,7,8-HxCDD	2.60E-06 J	2.02	1.29E-04					
EPA Site Inspection	DR146	8/19/1998	1,2,3,4,7,8-HxCDF	7.70E-06	2.02	3.81E-04					
EPA Site Inspection	DR146	8/19/1998	1,2,3,6,7,8-HxCDD	1.12E-05	2.02	5.54E-04					
EPA Site Inspection	DR146	8/19/1998	1,2,3,6,7,8-HxCDF	2.58E-06 J	2.02	1.28E-04					
EPA Site Inspection	DR146	8/19/1998	1,2,3,7,8,9-HxCDD	8.17E-06	2.02	4.04E-04					
EPA Site Inspection	DR146	8/19/1998	1,2,3,7,8,9-HxCDF	1.40E-07 J	2.02	6.93E-06					
EPA Site Inspection	DR146	8/19/1998	1,2,3,7,8-PeCDD	1.89E-06 J	2.02	9.36E-05					
EPA Site Inspection	DR146	8/19/1998	1,2,3,7,8-PeCDF	1.62E-06 J	2.02	8.02E-05					
Puget Sound Sediment Sampling	205	6/23/1998	1,2-Dichlorobenzene	1.40E-03 J	1.33	1.05E-01	2.3	2.3	mg/kg OC	<1	<1
EPA Site Inspection	DR146	8/19/1998	1,4-Dichlorobenzene	9.10E-03	2.02	4.50E-01	3.1	9	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	1,4-Dichlorobenzene	5.30E-03 J	1.33	3.98E-01	3.1	9	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	1-Methylnaphthalene	4.10E-02	1.33	3.08E+00					
Puget Sound Sediment Sampling	205	6/23/1998	1-Methylphenanthrene	9.20E-02	1.33	6.92E+00					
EPA Site Inspection	DR146	8/19/1998	2,3,4,6,7,8-HxCDF	1.85E-06 J	2.02	9.16E-05					
EPA Site Inspection	DR146	8/19/1998	2,3,4,7,8-PeCDF	7.64E-06	2.02	3.78E-04					
Puget Sound Sediment Sampling	205	6/23/1998	2,3,5-Trimethylnaphthalene	7.10E-02	1.33	5.34E+00					
EPA Site Inspection	DR146	8/19/1998	2,3,7,8-TCDF	3.28E-06	2.02	1.62E-04					
LDW RI Phase 2 Round 1	C5	8/27/2004	2,4'-DDT	2.00E-03 JN	0.32	6.25E-01					
Puget Sound Sediment Sampling	205	6/23/1998	2,6-Dimethylnaphthalene	8.20E-02	1.33	6.17E+00					
Puget Sound Sediment Sampling	205	6/23/1998	2-Methylnaphthalene	8.10E-02	1.33	6.09E+00	38	64	mg/kg OC	<1	<1
EPA Site Inspection	DR097	8/20/1998	2-Methylnaphthalene	8.00E-02	2.99	2.68E+00	38	64	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	2-Methylnaphthalene	3.00E-02 J	1.73	1.73E+00	38	64	mg/kg OC	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	2-Methylnaphthalene	7.00E-03 J	0.47		1400	670	mg/kg DW	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	2-Methylnaphthalene	6.20E-03	0.32		1400	670	mg/kg DW	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	2-Methylphenanthrene	1.23E-01	1.33	9.25E+00					
Puget Sound Sediment Sampling	205	6/23/1998	4,4'-DDD	6.40E-03	1.33	4.81E-01					
LDW RI Phase 2 Round 1	C5	8/27/2004	4,4'-DDD	4.40E-04 JN	0.32	1.38E-01					
Puget Sound Sediment Sampling	205	6/23/1998	4,4'-DDE	1.20E-02	1.33	9.02E-01					
LDW RI Phase 2 Round 1	C5	8/27/2004	4,4'-DDT	2.50E-03 JN	0.32	7.81E-01					
Puget Sound Sediment Sampling	205	6/23/1998	4-Methylphenol	6.25E+00	1.33	4.70E+02	670	670	mg/kg OC	<1	<1
EPA Site Inspection	DR103	8/18/1998	4-Methylphenol	8.60E-02	1.84	4.67E+00	670	670	mg/kg OC	<1	<1
EPA Site Inspection	DR102	8/20/1998	4-Methylphenol	6.20E-02	1.78	3.48E+00	670	670	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Acenaphthene	1.40E-01 J	1.73	8.09E+00	16	57	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Acenaphthene	7.80E-02	1.33	5.86E+00	16	57	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Acenaphthene	4.10E-02	0.32		500	730	mg/kg DW	<1	<1
EPA Site Inspection	DR097	8/20/1998	Acenaphthene	4.00E-02	2.99	1.34E+00	16	57	mg/kg OC	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Acenaphthene	3.60E-02	0.47		500	730	mg/kg DW	<1	<1
EPA Site Inspection	DR099	8/20/1998	Acenaphthene	3.00E-02	1.02	2.94E+00	16	57	mg/kg OC	<1	<1

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
EPA Site Inspection	DR147	9/2/1998	Acenaphthene	3.00E-02	2.15	1.40E+00	16	57	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Acenaphthene	3.00E-02	2.82	1.06E+00	16	57	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Acenaphthene	2.00E-02	2.71	7.38E-01	16	57	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Acenaphthylene	5.40E-02	1.33	4.06E+00	66	66	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Acenaphthylene	3.90E-02 J	2.61	1.49E+00	66	66	mg/kg OC	<1	<1
EPA Site Inspection	DR146	8/19/1998	Acenaphthylene	3.00E-02 J	2.02	1.49E+00	66	66	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Acenaphthylene	1.20E-02	0.32		1300	1300	mg/kg DW	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Acenaphthylene	1.00E-02 J	0.47		1300	1300	mg/kg DW	<1	<1
LDW RI Phase 2 Round 1	C5	8/27/2004	alpha-Chlordane	1.30E-04 JN	0.32	4.06E-02					
LDW RI Phase 2 Round 1	C5	8/27/2004	alpha-Endosulfan	3.30E-04 JN	0.32	1.03E-01					
EPA Site Inspection	DR103	8/18/1998	Aluminum	2.51E+04	1.84						
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Aluminum	2.18E+04	2.63						
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Aluminum	2.17E+04	2.82						
EPA Site Inspection	DR096	9/2/1998	Aluminum	2.15E+04	1.95						
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Aluminum	2.14E+04	2.71						
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Aluminum	2.11E+04	2.84						
EPA Site Inspection	DR165	8/13/1998	Aluminum	1.97E+04	2.36						
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Aluminum	1.97E+04	2.17						
EPA Site Inspection	DR101	8/20/1998	Aluminum	1.86E+04	1.73						
EPA Site Inspection	DR147	9/2/1998	Aluminum	1.77E+04	2.15						
EPA Site Inspection	DR097	8/20/1998	Aluminum	1.74E+04	2.99						
Puget Sound Sediment Sampling	205	6/23/1998	Aluminum	1.60E+04	1.33						
EPA Site Inspection	DR166	8/13/1998	Aluminum	1.41E+04	1.47						
EPA Site Inspection	DR099	8/20/1998	Aluminum	1.16E+04	1.02						
EPA Site Inspection	DR101	8/20/1998	Aluminum	1.01E+04	1.66						
EPA Site Inspection	DR094	8/20/1998	Aluminum	7.85E+03	0.61						
EPA Site Inspection	DR097	8/20/1998	Anthracene	1.50E+00	2.99	5.02E+01	220	1200	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Anthracene	3.16E-01	1.33	2.38E+01	220	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Anthracene	2.20E-01 J	1.73	1.27E+01	220	1200	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Anthracene	2.20E-01	2.61	8.43E+00	220	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR094	8/20/1998	Anthracene	1.20E-01	0.61	1.97E+01	220	1200	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Anthracene	1.20E-01	2.82	4.26E+00	220	1200	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Anthracene	1.00E-01	2.71	3.69E+00	220	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR146	8/19/1998	Anthracene	9.40E-02	2.02	4.65E+00	220	1200	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Anthracene	9.00E-02	2.84	3.17E+00	220	1200	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Anthracene	8.00E-02	2.63	3.04E+00	220	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR096	9/2/1998	Anthracene	7.00E-02	1.95	3.59E+00	220	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Anthracene	7.00E-02	1.66	4.22E+00	220	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	Anthracene	7.00E-02	2.15	3.26E+00	220	1200	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Anthracene	6.20E-02 J	2.39	2.59E+00	220	1200	mg/kg OC	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Anthracene	6.00E-02	2.17	2.76E+00	220	1200	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Anthracene	5.90E-02	0.32		960	4400	mg/kg DW	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Anthracene	5.90E-02	0.47		960	4400	mg/kg DW	<1	<1

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Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
EPA Site Inspection	DR099	8/20/1998	Anthracene	5.00E-02	1.02	4.90E+00	220	1200	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Anthracene	4.50E-02	2.44	1.84E+00	220	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR103	8/18/1998	Anthracene	4.00E-02	1.84	2.17E+00	220	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR103	8/18/1998	Anthracene	3.90E-02 J	1.84	2.12E+00	220	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR102	8/20/1998	Anthracene	3.70E-02 J	1.78	2.08E+00	220	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR098	8/20/1998	Anthracene	3.60E-02 J	0.972	3.70E+00	220	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR165	8/13/1998	Anthracene	2.00E-02	2.36	8.47E-01	220	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR096	9/2/1998	Antimony	7.00E+00 J	1.95						
EPA Site Inspection	DR097	8/20/1998	Antimony	6.00E+00 J	2.99						
EPA Site Inspection	DR094	8/20/1998	Antimony	5.00E+00 J	0.61						
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Antimony	5.00E+00 J	2.82						
LDW RI Phase 2 Round 1	C5	8/27/2004	Antimony	6.70E-01 J	0.32						
Puget Sound Sediment Sampling	205	6/23/1998	Antimony	2.20E-01 J	1.33						
EPA Site Inspection	DR146	8/19/1998	Aroclor-1242	2.00E-01	2.02	9.90E+00					
EPA Site Inspection	DR099	8/20/1998	Aroclor-1242	1.13E-01	1.02	1.11E+01					
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Aroclor-1242	8.50E-02	2.71	3.14E+00					
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Aroclor-1242	8.20E-02	2.61	3.14E+00					
Puget Sound Sediment Sampling	205	6/23/1998	Aroclor-1242	5.00E-02 J	1.33	3.76E+00					
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Aroclor-1242	4.10E-02	2.84	1.44E+00					
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Aroclor-1242	2.00E-02 J	2.44	8.20E-01					
EPA Site Inspection	DR103	8/18/1998	Aroclor-1248	7.30E-02	1.84	3.97E+00					
EPA Site Inspection	DR103	8/18/1998	Aroclor-1248	7.00E-02	1.78	3.93E+00					
EPA Site Inspection	DR100	8/20/1998	Aroclor-1248	3.60E-02	1.59	2.26E+00					
EPA Site Inspection	DR098	8/20/1998	Aroclor-1248	3.30E-02	0.972	3.40E+00					
Puget Sound Sediment Sampling	205	6/23/1998	Aroclor-1254	3.00E-01	1.33	2.26E+01					
EPA Site Inspection	DR099	8/20/1998	Aroclor-1254	1.80E-01	1.02	1.76E+01					
EPA Site Inspection	DR146	8/19/1998	Aroclor-1254	1.50E-01	2.02	7.43E+00					
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Aroclor-1254	1.38E-01	2.71	5.09E+00					
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Aroclor-1254	1.30E-01	2.61	4.98E+00					
EPA Site Inspection	DR103	8/18/1998	Aroclor-1254	1.20E-01	1.78	6.74E+00					
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Aroclor-1254	9.10E-02	2.82	3.23E+00					
EPA Site Inspection	DR096	9/2/1998	Aroclor-1254	8.20E-02	1.95	4.21E+00					
EPA Site Inspection	DR103	8/18/1998	Aroclor-1254	7.40E-02	1.84	4.02E+00					
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Aroclor-1254	6.90E-02	2.44	2.83E+00					
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Aroclor-1254	6.70E-02	2.63	2.55E+00					
EPA Site Inspection	DR097	8/20/1998	Aroclor-1254	6.40E-02	2.99	2.14E+00					
EPA Site Inspection	DR147	9/2/1998	Aroclor-1254	6.40E-02	2.15	2.98E+00					
EPA Site Inspection	DR166	8/13/1998	Aroclor-1254	6.00E-02	1.47	4.08E+00					
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Aroclor-1254	5.30E-02	2.17	2.44E+00					
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Aroclor-1254	5.30E-02	2.39	2.22E+00					
EPA Site Inspection	DR098	8/20/1998	Aroclor-1254	4.60E-02	0.972	4.73E+00					
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Aroclor-1254	4.40E-02	2.84	1.55E+00					
EPA Site Inspection	DR100	8/20/1998	Aroclor-1254	4.30E-02	1.59	2.70E+00					
EPA Site Inspection	DR103	8/18/1998	Aroclor-1254	3.70E-02	1.84	2.01E+00					
EPA Site Inspection	DR095	8/20/1998	Aroclor-1254	3.60E-02	0.62	5.81E+00					

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Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
EPA Site Inspection	DR165	8/13/1998	Aroclor-1254	3.50E-02	2.36	1.48E+00					
EPA Site Inspection	DR101	8/20/1998	Aroclor-1254	3.20E-02	1.66	1.93E+00					
EPA Site Inspection	DR094	8/20/1998	Aroclor-1254	3.00E-02 J	0.47	6.38E+00					
LDW RI Phase 2 Round 1	C5	8/27/2004	Aroclor-1254	2.50E-02	0.32	7.81E+00					
Puget Sound Sediment Sampling	205	6/23/1998	Aroclor-1260	3.20E-01	1.33	2.41E+01					
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Aroclor-1260	1.57E-01 J	2.84	5.53E+00					
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Aroclor-1260	1.30E-01	2.61	4.98E+00					
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Aroclor-1260	1.22E-01	2.71	4.50E+00					
EPA Site Inspection	DR146	8/19/1998	Aroclor-1260	1.10E-01	2.02	5.45E+00					
EPA Site Inspection	DR099	8/20/1998	Aroclor-1260	1.00E-01 J	1.02	9.80E+00					
EPA Site Inspection	DR096	9/2/1998	Aroclor-1260	9.00E-02 J	1.95	4.62E+00					
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Aroclor-1260	8.60E-02 J	2.82	3.05E+00					
EPA Site Inspection	DR103	8/18/1998	Aroclor-1260	6.60E-02	1.78	3.71E+00					
EPA Site Inspection	DR103	8/18/1998	Aroclor-1260	6.40E-02	1.84	3.48E+00					
EPA Site Inspection	DR097	8/20/1998	Aroclor-1260	6.20E-02 J	2.99	2.07E+00					
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Aroclor-1260	5.80E-02 J	2.63	2.21E+00					
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Aroclor-1260	5.20E-02	2.44	2.13E+00					
EPA Site Inspection	DR098	8/20/1998	Aroclor-1260	4.50E-02	0.972	4.63E+00					
EPA Site Inspection	DR147	9/2/1998	Aroclor-1260	4.40E-02 J	2.15	2.05E+00					
EPA Site Inspection	DR100	8/20/1998	Aroclor-1260	4.30E-02	1.59	2.70E+00					
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Aroclor-1260	4.20E-02	2.39	1.76E+00					
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Aroclor-1260	3.80E-02 J	2.17	1.75E+00					
EPA Site Inspection	DR166	8/13/1998	Aroclor-1260	3.50E-02 J	1.47	2.38E+00					
EPA Site Inspection	DR103	8/18/1998	Aroclor-1260	3.20E-02 J	1.84	1.74E+00					
LDW RI Phase 2 Round 1	C5	8/27/2004	Aroclor-1260	2.80E-02	0.32	8.75E+00					
EPA Site Inspection	DR165	8/13/1998	Aroclor-1260	2.20E-02 J	2.36	9.32E-01					
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Arsenic	1.69E+01	2.61		57	93	mg/kg DW	<1	<1
EPA Site Inspection	DR097	8/20/1998	Arsenic	1.46E+01	2.99		57	93	mg/kg DW	<1	<1
EPA Site Inspection	DR147	9/2/1998	Arsenic	1.43E+01	2.15		57	93	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Arsenic	1.42E+01	2.71		57	93	mg/kg DW	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Arsenic	1.31E+01	2.17		57	93	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Arsenic	1.23E+01	2.82		57	93	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Arsenic	1.22E+01	2.63		57	93	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Arsenic	1.22E+01	2.84		57	93	mg/kg DW	<1	<1
EPA Site Inspection	DR096	9/2/1998	Arsenic	1.20E+01	1.95		57	93	mg/kg DW	<1	<1
EPA Site Inspection	DR103	8/18/1998	Arsenic	1.19E+01	1.84		57	93	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Arsenic	1.13E+01	2.44		57	93	mg/kg DW	<1	<1
EPA Site Inspection	DR101	8/20/1998	Arsenic	1.11E+01	1.73		57	93	mg/kg DW	<1	<1
EPA Site Inspection	DR103	8/18/1998	Arsenic	1.07E+01	1.84		57	93	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Arsenic	1.02E+01	2.39		57	93	mg/kg DW	<1	<1
EPA Site Inspection	DR103	8/18/1998	Arsenic	1.00E+01	1.78		57	93	mg/kg DW	<1	<1
EPA Site Inspection	DR146	8/19/1998	Arsenic	9.50E+00	2.02		57	93	mg/kg DW	<1	<1
EPA Site Inspection	DR100	8/20/1998	Arsenic	8.90E+00	1.59		57	93	mg/kg DW	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Arsenic	8.85E+00	1.33		57	93	mg/kg DW	<1	<1
EPA Site Inspection	DR099	8/20/1998	Arsenic	8.70E+00	1.02		57	93	mg/kg DW	<1	<1

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
EPA Site Inspection	DR101	8/20/1998	Arsenic	8.50E+00	1.66		57	93	mg/kg DW	<1	<1
EPA Site Inspection	DR098	8/20/1998	Arsenic	8.40E+00	0.972		57	93	mg/kg DW	<1	<1
EPA Site Inspection	DR165	8/13/1998	Arsenic	8.30E+00	2.36		57	93	mg/kg DW	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Arsenic	7.50E+00 J	0.47		700	57	mg/kg DW	<1	<1
EPA Site Inspection	DR166	8/13/1998	Arsenic	6.90E+00	1.47		57	93	mg/kg DW	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Arsenic	4.72E+00	0.32		700	57	mg/kg DW	<1	<1
EPA Site Inspection	DR094	8/20/1998	Arsenic	4.60E+00	0.61		57	93	mg/kg DW	<1	<1
EPA Site Inspection	DR095	8/20/1998	Arsenic	2.40E+00	0.62		57	93	mg/kg DW	<1	<1
EPA Site Inspection	DR099	8/20/1998	Barium	1.10E+03	1.02						
EPA Site Inspection	DR097	8/20/1998	Barium	1.18E+02	2.99						
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Barium	1.16E+02	2.17						
EPA Site Inspection	DR103	8/18/1998	Barium	1.13E+02	1.84						
EPA Site Inspection	DR096	9/2/1998	Barium	1.10E+02	1.95						
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Barium	9.30E+01	2.71						
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Barium	8.90E+01	2.82						
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Barium	8.60E+01	2.84						
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Barium	8.40E+01	2.63						
EPA Site Inspection	DR165	8/13/1998	Barium	7.80E+01	2.36						
EPA Site Inspection	DR147	9/2/1998	Barium	7.40E+01	2.15						
EPA Site Inspection	DR101	8/20/1998	Barium	7.30E+01	1.73						
EPA Site Inspection	DR166	8/13/1998	Barium	6.40E+01	1.47						
Puget Sound Sediment Sampling	205	6/23/1998	Barium	6.07E+01	1.33						
EPA Site Inspection	DR101	8/20/1998	Barium	5.30E+01	1.66						
EPA Site Inspection	DR094	8/20/1998	Barium	4.20E+01	0.61						
EPA Site Inspection	DR097	8/20/1998	Benzo(a)anthracene	1.10E+00	2.99	3.68E+01	110	270	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Benzo(a)anthracene	9.08E-01	1.33	6.83E+01	110	270	mg/kg OC	<1	<1
EPA Site Inspection	DR146	8/19/1998	Benzo(a)anthracene	4.80E-01	2.02	2.38E+01	110	270	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Benzo(a)anthracene	4.10E-01	0.32		1300	5100	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Benzo(a)anthracene	4.10E-01	2.71	1.51E+01	110	270	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	Benzo(a)anthracene	3.50E-01	2.15	1.63E+01	110	270	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Benzo(a)anthracene	3.50E-01	2.61	1.34E+01	110	270	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Benzo(a)anthracene	3.50E-01	2.82	1.24E+01	110	270	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Benzo(a)anthracene	3.40E-01 J	1.73	1.97E+01	110	270	mg/kg OC	<1	<1
EPA Site Inspection	DR096	9/2/1998	Benzo(a)anthracene	3.00E-01	1.95	1.54E+01	110	270	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Benzo(a)anthracene	2.80E-01	2.84	9.86E+00	110	270	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Benzo(a)anthracene	2.50E-01	2.63	9.51E+00	110	270	mg/kg OC	<1	<1
EPA Site Inspection	DR094	8/20/1998	Benzo(a)anthracene	2.00E-01	0.61	3.28E+01	110	270	mg/kg OC	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Benzo(a)anthracene	2.00E-01	2.17	9.22E+00	110	270	mg/kg OC	<1	<1
EPA Site Inspection	DR099	8/20/1998	Benzo(a)anthracene	1.60E-01	1.02	1.57E+01	110	270	mg/kg OC	<1	<1
EPA Site Inspection	DR103	8/18/1998	Benzo(a)anthracene	1.60E-01	1.84	8.70E+00	110	270	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Benzo(a)anthracene	1.40E-01	1.66	8.43E+00	110	270	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Benzo(a)anthracene	1.40E-01	2.39	5.86E+00	110	270	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Benzo(a)anthracene	1.20E-01	2.44	4.92E+00	110	270	mg/kg OC	<1	<1
EPA Site Inspection	DR098	8/20/1998	Benzo(a)anthracene	9.70E-02	0.972	9.98E+00	110	270	mg/kg OC	<1	<1
EPA Site Inspection	DR103	8/18/1998	Benzo(a)anthracene	9.70E-02	1.84	5.27E+00	110	270	mg/kg OC	<1	<1

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
EPA Site Inspection	DR094 [a]	8/20/1998	Benzo(a)anthracene	8.70E-02	0.47		1300	5100	mg/kg DW	<1	<1
EPA Site Inspection	DR165	8/13/1998	Benzo(a)anthracene	8.00E-02	2.36	3.39E+00	110	270	mg/kg OC	<1	<1
EPA Site Inspection	DR166	8/13/1998	Benzo(a)anthracene	8.00E-02	1.47	5.44E+00	110	270	mg/kg OC	<1	<1
EPA Site Inspection	DR100	8/20/1998	Benzo(a)anthracene	4.90E-02 J	1.59	3.08E+00	110	270	mg/kg OC	<1	<1
EPA Site Inspection	DR095	8/20/1998	Benzo(a)anthracene	1.20E-02	0.62	1.94E+00	110	270	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Benzo(a)pyrene	8.60E-01	1.33	6.47E+01	99	210	mg/kg OC	<1	<1
EPA Site Inspection	DR097	8/20/1998	Benzo(a)pyrene	6.70E-01	2.99	2.24E+01	99	210	mg/kg OC	<1	<1
EPA Site Inspection	DR146	8/19/1998	Benzo(a)pyrene	4.60E-01	2.02	2.28E+01	99	210	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Benzo(a)pyrene	3.90E-01	0.32		1600	3600	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Benzo(a)pyrene	3.90E-01	2.61	1.49E+01	99	210	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Benzo(a)pyrene	3.40E-01	2.82	1.21E+01	99	210	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Benzo(a)pyrene	3.30E-01 J	1.73	1.91E+01	99	210	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	Benzo(a)pyrene	3.20E-01	2.15	1.49E+01	99	210	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Benzo(a)pyrene	3.00E-01	2.71	1.11E+01	99	210	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Benzo(a)pyrene	3.00E-01	2.84	1.06E+01	99	210	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Benzo(a)pyrene	2.50E-01	2.63	9.51E+00	99	210	mg/kg OC	<1	<1
EPA Site Inspection	DR096	9/2/1998	Benzo(a)pyrene	2.40E-01	1.95	1.23E+01	99	210	mg/kg OC	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Benzo(a)pyrene	2.20E-01	2.17	1.01E+01	99	210	mg/kg OC	<1	<1
EPA Site Inspection	DR099	8/20/1998	Benzo(a)pyrene	1.80E-01	1.02	1.76E+01	99	210	mg/kg OC	<1	<1
EPA Site Inspection	DR094	8/20/1998	Benzo(a)pyrene	1.70E-01	0.61	2.79E+01	99	210	mg/kg OC	<1	<1
EPA Site Inspection	DR103	8/18/1998	Benzo(a)pyrene	1.60E-01	1.84	8.70E+00	99	210	mg/kg OC	<1	<1
EPA Site Inspection	DR103	8/18/1998	Benzo(a)pyrene	1.20E-01	1.84	6.52E+00	99	210	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Benzo(a)pyrene	1.10E-01	1.66	6.63E+00	99	210	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Benzo(a)pyrene	1.10E-01	2.39	4.60E+00	99	210	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Benzo(a)pyrene	1.10E-01	2.44	4.51E+00	99	210	mg/kg OC	<1	<1
EPA Site Inspection	DR098	8/20/1998	Benzo(a)pyrene	9.70E-02	0.972	9.98E+00	99	210	mg/kg OC	<1	<1
EPA Site Inspection	DR165	8/13/1998	Benzo(a)pyrene	9.00E-02	2.36	3.81E+00	99	210	mg/kg OC	<1	<1
EPA Site Inspection	DR166	8/13/1998	Benzo(a)pyrene	8.00E-02	1.47	5.44E+00	99	210	mg/kg OC	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Benzo(a)pyrene	6.70E-02	0.47		1600	3600	mg/kg DW	<1	<1
EPA Site Inspection	DR100	8/20/1998	Benzo(a)pyrene	6.30E-02	1.59	3.96E+00	99	210	mg/kg OC	<1	<1
EPA Site Inspection	DR095	8/20/1998	Benzo(a)pyrene	9.90E-03	0.62	1.60E+00	99	210	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Benzo(b)fluoranthene	1.60E+00 J	1.33	1.20E+02	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR097	8/20/1998	Benzo(b)fluoranthene	1.00E+00	2.99	3.34E+01				<1	<1
EPA Site Inspection	DR146	8/19/1998	Benzo(b)fluoranthene	7.30E-01	2.02	3.61E+01	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Benzo(b)fluoranthene	7.00E-01	2.61	2.68E+01	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Benzo(b)fluoranthene	4.70E-01	2.82	1.67E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	Benzo(b)fluoranthene	4.60E-01	2.15	2.14E+01	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Benzo(b)fluoranthene	4.50E-01	2.71	1.66E+01	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Benzo(b)fluoranthene	3.90E-01	0.32		3200	9900	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Benzo(b)fluoranthene	3.70E-01	2.84	1.30E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR096	9/2/1998	Benzo(b)fluoranthene	3.50E-01	1.95	1.79E+01	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Benzo(b)fluoranthene	3.50E-01	2.63	1.33E+01	230	450	mg/kg OC	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Benzo(b)fluoranthene	3.00E-01	2.17	1.38E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Benzo(b)fluoranthene	2.80E-01 J	1.73	1.62E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR099	8/20/1998	Benzo(b)fluoranthene	2.40E-01	1.02	2.35E+01	230	450	mg/kg OC	<1	<1

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
EPA Site Inspection	DR103	8/18/1998	Benzo(b)fluoranthene	2.40E-01	1.84	1.30E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR094	8/20/1998	Benzo(b)fluoranthene	2.30E-01	0.61	3.77E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR103	8/18/1998	Benzo(b)fluoranthene	2.00E-01	1.84	1.09E+01	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Benzo(b)fluoranthene	1.80E-01	2.39	7.53E+00	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Benzo(b)fluoranthene	1.60E-01	1.66	9.64E+00	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Benzo(b)fluoranthene	1.60E-01	2.44	6.56E+00	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR098	8/20/1998	Benzo(b)fluoranthene	1.10E-01	0.972	1.13E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR100	8/20/1998	Benzo(b)fluoranthene	1.00E-01	1.59	6.29E+00	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR165	8/13/1998	Benzo(b)fluoranthene	1.00E-01	2.36	4.24E+00	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Benzo(b)fluoranthene	9.40E-02	0.47		3200	9900	mg/kg DW	<1	<1
EPA Site Inspection	DR166	8/13/1998	Benzo(b)fluoranthene	9.00E-02	1.47	6.12E+00	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR095	8/20/1998	Benzo(b)fluoranthene	2.30E-02	0.62	3.71E+00	230	450	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Benzo(e)pyrene	7.78E-01	1.33	5.85E+01					
Puget Sound Sediment Sampling	205	6/23/1998	Benzo(g,h,i)perylene	5.89E-01	1.33	4.43E+01	31	78	mg/kg OC	1.4	<1
EPA Site Inspection	DR097	8/20/1998	Benzo(g,h,i)perylene	2.60E-01	2.99	8.70E+00	31	78	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Benzo(g,h,i)perylene	2.20E-01	2.82	7.80E+00	31	78	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Benzo(g,h,i)perylene	2.10E-01	2.71	7.75E+00	31	78	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	Benzo(g,h,i)perylene	1.90E-01	2.15	8.84E+00	31	78	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Benzo(g,h,i)perylene	1.90E-01	2.84	6.69E+00	31	78	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Benzo(g,h,i)perylene	1.80E-01 J	1.73	1.04E+01	31	78	mg/kg OC	<1	<1
EPA Site Inspection	DR096	9/2/1998	Benzo(g,h,i)perylene	1.60E-01	1.95	8.21E+00	31	78	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Benzo(g,h,i)perylene	1.50E-01	2.63	5.70E+00	31	78	mg/kg OC	<1	<1
EPA Site Inspection	DR146	8/19/1998	Benzo(g,h,i)perylene	1.30E-01	2.02	6.44E+00	31	78	mg/kg OC	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Benzo(g,h,i)perylene	1.20E-01	2.17	5.53E+00	31	78	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Benzo(g,h,i)perylene	1.10E-01	0.32		670	2600	mg/kg DW	<1	<1
EPA Site Inspection	DR094	8/20/1998	Benzo(g,h,i)perylene	1.00E-01	0.61	1.64E+01	31	78	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Benzo(g,h,i)perylene	9.40E-02	2.61	3.60E+00	31	78	mg/kg OC	<1	<1
EPA Site Inspection	DR103	8/18/1998	Benzo(g,h,i)perylene	8.10E-02	1.84	4.40E+00	31	78	mg/kg OC	<1	<1
EPA Site Inspection	DR099	8/20/1998	Benzo(g,h,i)perylene	8.00E-02	1.02	7.84E+00	31	78	mg/kg OC	<1	<1
EPA Site Inspection	DR103	8/18/1998	Benzo(g,h,i)perylene	8.00E-02	1.84	4.35E+00	31	78	mg/kg OC	<1	<1
EPA Site Inspection	DR098	8/20/1998	Benzo(g,h,i)perylene	6.80E-02	0.972	7.00E+00	31	78	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Benzo(g,h,i)perylene	6.00E-02	1.66	3.61E+00	31	78	mg/kg OC	<1	<1
EPA Site Inspection	DR165	8/13/1998	Benzo(g,h,i)perylene	6.00E-02	2.36	2.54E+00	31	78	mg/kg OC	<1	<1
EPA Site Inspection	DR166	8/13/1998	Benzo(g,h,i)perylene	6.00E-02	1.47	4.08E+00	31	78	mg/kg OC	<1	<1
EPA Site Inspection	DR100	8/20/1998	Benzo(g,h,i)perylene	5.30E-02 J	1.59	3.33E+00	31	78	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Benzo(g,h,i)perylene	5.00E-02	2.44	2.05E+00	31	78	mg/kg OC	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Benzo(g,h,i)perylene	4.00E-02	0.47		670	2600	mg/kg DW	<1	<1
EPA Site Inspection	DR097	8/20/1998	Benzo(k)fluoranthene	7.30E-01	2.99	2.44E+01				<1	<1
EPA Site Inspection	DR146	8/19/1998	Benzo(k)fluoranthene	6.40E-01	2.02	3.17E+01	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Benzo(k)fluoranthene	5.90E-01	2.61	2.26E+01	230	450	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Benzo(k)fluoranthene	5.87E-01	1.33	4.41E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	Benzo(k)fluoranthene	3.30E-01	2.15	1.53E+01	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Benzo(k)fluoranthene	3.20E-01	2.71	1.18E+01	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Benzo(k)fluoranthene	3.10E-01	2.82	1.10E+01	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Benzo(k)fluoranthene	2.90E-01	2.84	1.02E+01	230	450	mg/kg OC	<1	<1

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
EPA Site Inspection	DR101	8/20/1998	Benzo(k)fluoranthene	2.70E-01 J	1.73	1.56E+01	230	450	mg/kg OC	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Benzo(k)fluoranthene	2.40E-01	2.17	1.11E+01	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Benzo(k)fluoranthene	2.40E-01	2.63	9.13E+00	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR096	9/2/1998	Benzo(k)fluoranthene	2.30E-01	1.95	1.18E+01	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Benzo(k)fluoranthene	2.10E-01	2.39	8.79E+00	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR095	8/20/1998	Benzo(k)fluoranthene	2.00E-01	0.61	3.28E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR099	8/20/1998	Benzo(k)fluoranthene	2.00E-01	1.02	1.96E+01	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Benzo(k)fluoranthene	1.80E-01	0.32		3200	9900	mg/kg DW	<1	<1
EPA Site Inspection	DR103	8/18/1998	Benzo(k)fluoranthene	1.70E-01	1.84	9.24E+00	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR104	8/18/1998	Benzo(k)fluoranthene	1.10E-01	1.84	5.98E+00	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Benzo(k)fluoranthene	1.10E-01	2.44	4.51E+00	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Benzo(k)fluoranthene	1.00E-01	1.66	6.02E+00	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR098	8/20/1998	Benzo(k)fluoranthene	9.90E-02	0.972	1.02E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR165	8/13/1998	Benzo(k)fluoranthene	8.00E-02	2.36	3.39E+00	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR166	8/13/1998	Benzo(k)fluoranthene	8.00E-02	1.47	5.44E+00	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Benzo(k)fluoranthene	7.20E-02	0.47		3200	9900	mg/kg DW	<1	<1
EPA Site Inspection	DR100	8/20/1998	Benzo(k)fluoranthene	5.90E-02 J	1.59	3.71E+00	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR095	8/20/1998	Benzo(k)fluoranthene	2.40E-02	0.62	3.87E+00	230	450	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Benzofluoranthenes (total-calc'd)	2.19E+00 J	1.33	1.64E+02	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR097	8/20/1998	Benzofluoranthenes (total-calc'd)	1.73E+00	2.99	5.79E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR146	8/19/1998	Benzofluoranthenes (total-calc'd)	1.37E+00	2.02	6.78E+01	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Benzofluoranthenes (total-calc'd)	1.29E+00	2.61	4.94E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	Benzofluoranthenes (total-calc'd)	7.90E-01	2.15	3.67E+01	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Benzofluoranthenes (total-calc'd)	7.80E-01	2.82	2.77E+01	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Benzofluoranthenes (total-calc'd)	7.70E-01	2.71	2.84E+01	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Benzofluoranthenes (total-calc'd)	6.60E-01	2.84	2.32E+01	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Benzofluoranthenes (total-calc'd)	5.90E-01	2.63	2.24E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR096	9/2/1998	Benzofluoranthenes (total-calc'd)	5.80E-01	1.95	2.97E+01	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Benzofluoranthenes (total-calc'd)	5.70E-01	0.32		3200	9900	mg/kg DW	<1	<1
EPA Site Inspection	DR101	8/20/1998	Benzofluoranthenes (total-calc'd)	5.50E-01 J	1.73	3.18E+01	230	450	mg/kg OC	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Benzofluoranthenes (total-calc'd)	5.40E-01	2.17	2.49E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR099	8/20/1998	Benzofluoranthenes (total-calc'd)	4.40E-01	1.02	4.31E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR095	8/20/1998	Benzofluoranthenes (total-calc'd)	4.30E-01	0.61	7.05E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR104	8/18/1998	Benzofluoranthenes (total-calc'd)	4.10E-01	1.84	2.23E+01	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Benzofluoranthenes (total-calc'd)	3.90E-01	2.39	1.63E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR104	8/18/1998	Benzofluoranthenes (total-calc'd)	3.10E-01	1.84	1.68E+01	230	450	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Benzofluoranthenes (total-calc'd)	2.70E-01	2.44	1.11E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Benzofluoranthenes (total-calc'd)	2.60E-01	1.66	1.57E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR098	8/20/1998	Benzofluoranthenes (total-calc'd)	2.10E-01	0.972	2.16E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR165	8/13/1998	Benzofluoranthenes (total-calc'd)	1.80E-01	2.36	7.63E+00	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR166	8/13/1998	Benzofluoranthenes (total-calc'd)	1.70E-01	1.47	1.16E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Benzofluoranthenes (total-calc'd)	1.66E-01	0.47		3200	9900	mg/kg DW	<1	<1
EPA Site Inspection	DR100	8/20/1998	Benzofluoranthenes (total-calc'd)	1.60E-01 J	1.59	1.01E+01	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR095	8/20/1998	Benzofluoranthenes (total-calc'd)	4.70E-02	0.62	7.58E+00	230	450	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Benzoic acid	5.93E+00 J	1.33	4.46E+02	650	650	ug/kg DW	9.1	9.1

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Benzoic acid	6.00E-01	0.32		650	650	mg/kg DW	<1	<1
EPA Site Inspection	DR146	8/19/1998	Benzoic acid	1.20E-01	2.02	5.94E+00	650	650	ug/kg DW	<1	<1
EPA Site Inspection	DR165	8/13/1998	Beryllium	5.30E-01	2.36						
EPA Site Inspection	DR104	8/18/1998	Beryllium	4.80E-01	1.84						
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Beryllium	4.80E-01	2.63						
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Beryllium	4.70E-01	2.71						
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Beryllium	4.70E-01	2.82						
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Beryllium	4.60E-01	2.84						
EPA Site Inspection	DR166	8/13/1998	Beryllium	4.40E-01	1.47						
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Beryllium	4.10E-01	2.17						
EPA Site Inspection	DR096	9/2/1998	Beryllium	3.90E-01	1.95						
EPA Site Inspection	DR101	8/20/1998	Beryllium	3.80E-01	1.73						
Puget Sound Sediment Sampling	205	6/23/1998	Beryllium	3.70E-01	1.33						
EPA Site Inspection	DR097	8/20/1998	Beryllium	3.70E-01	2.99						
EPA Site Inspection	DR147	9/2/1998	Beryllium	3.60E-01	2.15						
EPA Site Inspection	DR099	8/20/1998	Beryllium	2.40E-01	1.02						
EPA Site Inspection	DR101	8/20/1998	Beryllium	2.10E-01	1.66						
EPA Site Inspection	DR095	8/20/1998	Beryllium	1.60E-01	0.61						
Puget Sound Sediment Sampling	205	6/23/1998	Biphenyl	3.10E-02	1.33	2.33E+00	47	78	mg/kg OC	<1	<1
EPA Site Inspection	DR097	8/20/1998	Bis(2-ethylhexyl)phthalate	1.20E+00	2.99	4.01E+01	47	78	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Bis(2-ethylhexyl)phthalate	7.70E-01	2.71	2.84E+01	47	78	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Bis(2-ethylhexyl)phthalate	6.20E-01	2.82	2.20E+01	47	78	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Bis(2-ethylhexyl)phthalate	5.50E-01	2.84	1.94E+01	47	78	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Bis(2-ethylhexyl)phthalate	5.30E-01	2.63	2.02E+01	47	78	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Bis(2-ethylhexyl)phthalate	4.40E-01	2.61	1.69E+01	47	78	mg/kg OC	<1	<1
EPA Site Inspection	DR104	8/18/1998	Bis(2-ethylhexyl)phthalate	4.20E-01	1.84	2.28E+01	47	78	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	Bis(2-ethylhexyl)phthalate	4.00E-01	2.15	1.86E+01	47	78	mg/kg OC	<1	<1
EPA Site Inspection	DR096	9/2/1998	Bis(2-ethylhexyl)phthalate	3.30E-01	1.95	1.69E+01	47	78	mg/kg OC	<1	<1
EPA Site Inspection	DR146	8/19/1998	Bis(2-ethylhexyl)phthalate	3.10E-01	2.02	1.53E+01	47	78	mg/kg OC	<1	<1
EPA Site Inspection	DR104	8/18/1998	Bis(2-ethylhexyl)phthalate	2.10E-01	1.84	1.14E+01	47	78	mg/kg OC	<1	<1
EPA Site Inspection	DR100	8/20/1998	Bis(2-ethylhexyl)phthalate	1.80E-01	1.59	1.13E+01	47	78	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Bis(2-ethylhexyl)phthalate	1.50E-01	2.39	6.28E+00	47	78	mg/kg OC	<1	<1
EPA Site Inspection	DR098	8/20/1998	Bis(2-ethylhexyl)phthalate	1.40E-01	0.972	1.44E+01	47	78	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Bis(2-ethylhexyl)phthalate	4.10E-02 J	0.32		1900	1300	mg/kg DW	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Bis(2-ethylhexyl)phthalate	3.90E-02 J	0.47		1900	1300	mg/kg DW	<1	<1
EPA Site Inspection	DR103	8/18/1998	Bis(2-ethylhexyl)phthalate	3.60E-02 J	1.78	2.02E+00	47	78	mg/kg OC	<1	<1
EPA Site Inspection	DR095	8/20/1998	Bis(2-ethylhexyl)phthalate	2.20E-02	0.62	3.55E+00	47	78	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Butyl benzyl phthalate	8.60E-02	1.33	6.47E+00	4.9	64	mg/kg OC	1.3	<1
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Butyl benzyl phthalate	6.00E-02	2.71	2.21E+00	4.9	64	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Butyl benzyl phthalate	5.00E-02	2.84	1.76E+00	4.9	64	mg/kg OC	<1	<1
EPA Site Inspection	DR097	8/20/1998	Butyl benzyl phthalate	4.00E-02	2.99	1.34E+00	4.9	64	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Butyl benzyl phthalate	4.00E-02	2.63	1.52E+00	4.9	64	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Butyl benzyl phthalate	4.00E-02	2.82	1.42E+00	4.9	64	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5	8/27/2004	Butyl benzyl phthalate	3.90E-02	0.32	1.22E+01	63	900	mg/kg OC	<1	<1
EPA Site Inspection	DR146	8/19/1998	Butyl benzyl phthalate	3.60E-02	2.02	1.78E+00	4.9	64	mg/kg OC	<1	<1

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
EPA Site Inspection	DR096	9/2/1998	Butyl benzyl phthalate	3.00E-02	1.95	1.54E+00	4.9	64	mg/kg OC	<1	<1
EPA Site Inspection	DR104	8/18/1998	Butyl benzyl phthalate	3.00E-02	1.84	1.63E+00	4.9	64	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	Butyl benzyl phthalate	3.00E-02	2.15	1.40E+00	4.9	64	mg/kg OC	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Butyl benzyl phthalate	3.00E-02	2.17	1.38E+00	4.9	64	mg/kg OC	<1	<1
EPA Site Inspection	DR166	8/13/1998	Butyl benzyl phthalate	2.00E-02	1.47	1.36E+00	4.9	64	mg/kg OC	<1	<1
EPA Site Inspection	DR104	8/18/1998	Butyl benzyl phthalate	1.80E-02	1.84	9.78E-01	4.9	64	mg/kg OC	<1	<1
EPA Site Inspection	DR098	8/20/1998	Butyl benzyl phthalate	1.20E-02	0.972	1.23E+00	4.9	64	mg/kg OC	<1	<1
EPA Site Inspection	DR100	8/20/1998	Butyl benzyl phthalate	1.20E-02	1.59	7.55E-01	4.9	64	mg/kg OC	<1	<1
EPA Site Inspection	DR103	8/18/1998	Butyl benzyl phthalate	6.20E-03	1.78	3.48E-01	4.9	64	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Cadmium	7.00E-01	2.61		5.1	6.7	mg/kg DW	<1	<1
EPA Site Inspection	DR146	8/19/1998	Cadmium	6.00E-01	2.02		5.1	6.7	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Cadmium	6.00E-01	2.71		5.1	6.7	mg/kg DW	<1	<1
EPA Site Inspection	DR099	8/20/1998	Cadmium	5.10E-01	1.02		5.1	6.7	mg/kg DW	<1	<1
EPA Site Inspection	DR103	8/18/1998	Cadmium	5.00E-01	1.78		5.1	6.7	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Cadmium	5.00E-01	2.63		5.1	6.7	mg/kg DW	<1	<1
EPA Site Inspection	DR102	8/20/1998	Cadmium	4.70E-01	1.73		5.1	6.7	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Cadmium	4.60E-01	2.82		5.1	6.7	mg/kg DW	<1	<1
EPA Site Inspection	DR147	9/2/1998	Cadmium	4.20E-01	2.15		5.1	6.7	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Cadmium	4.20E-01	2.84		5.1	6.7	mg/kg DW	<1	<1
EPA Site Inspection	DR096	9/2/1998	Cadmium	4.00E-01	1.95		5.1	6.7	mg/kg DW	<1	<1
EPA Site Inspection	DR104	8/18/1998	Cadmium	4.00E-01	1.84		5.1	6.7	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Cadmium	4.00E-01	2.44		5.1	6.7	mg/kg DW	<1	<1
EPA Site Inspection	DR097	8/20/1998	Cadmium	3.90E-01	2.99		5.1	6.7	mg/kg DW	<1	<1
EPA Site Inspection	DR166	8/13/1998	Cadmium	3.90E-01	1.47		5.1	6.7	mg/kg DW	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Cadmium	3.90E-01	2.17		5.1	6.7	mg/kg DW	<1	<1
EPA Site Inspection	DR104	8/18/1998	Cadmium	3.50E-01	1.84		5.1	6.7	mg/kg DW	<1	<1
EPA Site Inspection	DR165	8/13/1998	Cadmium	3.10E-01	2.36		5.1	6.7	mg/kg DW	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Cadmium	2.80E-01	1.33		5.1	6.7	mg/kg DW	<1	<1
EPA Site Inspection	DR101	8/20/1998	Cadmium	2.40E-01	1.66		5.1	6.7	mg/kg DW	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Cadmium	2.30E-01	0.47		9.6	5.1	mg/kg DW	<1	<1
EPA Site Inspection	DR095	8/20/1998	Cadmium	2.20E-01	0.61		5.1	6.7	mg/kg DW	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Cadmium	7.00E-02	0.32		9.6	5.1	mg/kg DW	<1	<1
EPA Site Inspection	DR097	8/20/1998	Calcium	6.18E+03	2.99						
EPA Site Inspection	DR165	8/13/1998	Calcium	5.10E+03	2.36						
EPA Site Inspection	DR166	8/13/1998	Calcium	4.55E+03	1.47						
EPA Site Inspection	DR097	8/20/1998	Carbazole	4.30E-01	2.99	1.44E+01					
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Carbazole	8.00E-02	2.61	3.07E+00					
EPA Site Inspection	DR102	8/20/1998	Carbazole	5.00E-02 J	1.73	2.89E+00					
EPA Site Inspection	DR095	8/20/1998	Carbazole	4.00E-02	0.61	6.56E+00					
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Carbazole	4.00E-02	2.71	1.48E+00					
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Carbazole	4.00E-02	2.82	1.42E+00					
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Carbazole	4.00E-02	2.84	1.41E+00					
EPA Site Inspection	DR146	8/19/1998	Carbazole	3.90E-02 J	2.02	1.93E+00					
EPA Site Inspection	DR147	9/2/1998	Carbazole	3.00E-02	2.15	1.40E+00					
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Carbazole	3.00E-02	2.63	1.14E+00					

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
LDW RI Phase 2 Round 1	C5	8/27/2004	Carbazole	2.10E-02 J	0.32	6.56E+00					
EPA Site Inspection	DR096	9/2/1998	Carbazole	2.00E-02	1.95	1.03E+00					
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Carbazole	2.00E-02	2.17	9.22E-01					
EPA Site Inspection	DR100	8/20/1998	Chromium	3.88E+01	1.59		260	270	mg/kg DW	<1	<1
EPA Site Inspection	DR147	9/2/1998	Chromium	3.60E+01	2.15		260	270	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Chromium	3.60E+01	2.61		260	270	mg/kg DW	<1	<1
EPA Site Inspection	DR096	9/2/1998	Chromium	3.50E+01	1.95		260	270	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Chromium	3.50E+01	2.71		260	270	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Chromium	3.30E+01	2.82		260	270	mg/kg DW	<1	<1
EPA Site Inspection	DR104	8/18/1998	Chromium	3.20E+01	1.84		260	270	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Chromium	3.20E+01	2.84		260	270	mg/kg DW	<1	<1
EPA Site Inspection	DR165	8/13/1998	Chromium	3.00E+01	2.36		260	270	mg/kg DW	<1	<1
EPA Site Inspection	DR097	8/20/1998	Chromium	2.90E+01	2.99		260	270	mg/kg DW	<1	<1
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Chromium	2.90E+01	2.63		260	270	mg/kg DW	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Chromium	2.80E+01	2.17		260	270	mg/kg DW	<1	<1
EPA Site Inspection	DR146	8/19/1998	Chromium	2.77E+01	2.02		260	270	mg/kg DW	<1	<1
EPA Site Inspection	DR103	8/18/1998	Chromium	2.70E+01	1.78		260	270	mg/kg DW	<1	<1
EPA Site Inspection	DR098	8/20/1998	Chromium	2.65E+01	0.972		260	270	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Chromium	2.52E+01	2.44		260	270	mg/kg DW	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Chromium	2.51E+01	1.33		260	270	mg/kg DW	<1	<1
EPA Site Inspection	DR102	8/20/1998	Chromium	2.50E+01	1.73		260	270	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Chromium	2.47E+01	2.39		260	270	mg/kg DW	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Chromium	2.30E+01 J	0.47		NA	260	mg/kg DW	NA	<1
EPA Site Inspection	DR099	8/20/1998	Chromium	2.30E+01	1.02		260	270	mg/kg DW	<1	<1
EPA Site Inspection	DR104	8/18/1998	Chromium	2.17E+01	1.84		260	270	mg/kg DW	<1	<1
EPA Site Inspection	DR166	8/13/1998	Chromium	2.10E+01	1.47		260	270	mg/kg DW	<1	<1
EPA Site Inspection	DR101	8/20/1998	Chromium	1.50E+01	1.66		260	270	mg/kg DW	<1	<1
EPA Site Inspection	DR095	8/20/1998	Chromium	1.24E+01	0.62		260	270	mg/kg DW	<1	<1
EPA Site Inspection	DR095	8/20/1998	Chromium	1.20E+01	0.61		260	270	mg/kg DW	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Chromium	1.04E+01	0.32		NA	260	mg/kg DW	NA	<1
EPA Site Inspection	DR097	8/20/1998	Chrysene	1.70E+00	2.99	5.69E+01	100	460	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Chrysene	1.47E+00	1.33	1.11E+02	100	460	mg/kg OC	1.1	<1
EPA Site Inspection	DR146	8/19/1998	Chrysene	6.00E-01	2.02	2.97E+01	110	460	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Chrysene	5.80E-01	2.61	2.22E+01	110	460	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Chrysene	5.30E-01	2.71	1.96E+01	110	460	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Chrysene	5.30E-01	2.82	1.88E+01	110	460	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	Chrysene	4.70E-01	2.15	2.19E+01	110	460	mg/kg OC	<1	<1
EPA Site Inspection	DR102	8/20/1998	Chrysene	4.30E-01 J	1.73	2.49E+01	110	460	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Chrysene	4.20E-01	2.84	1.48E+01	110	460	mg/kg OC	<1	<1
EPA Site Inspection	DR096	9/2/1998	Chrysene	4.00E-01	1.95	2.05E+01	100	460	mg/kg OC	<1	<1
EPA Site Inspection	DR095	8/20/1998	Chrysene	3.60E-01	0.61	5.90E+01	110	460	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Chrysene	3.60E-01	2.63	1.37E+01	110	460	mg/kg OC	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Chrysene	3.00E-01	2.17	1.38E+01	110	460	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Chrysene	2.90E-01	0.32		1400	9200	mg/kg DW	<1	<1
EPA Site Inspection	DR099	8/20/1998	Chrysene	2.80E-01	1.02	2.75E+01	110	460	mg/kg OC	<1	<1

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Chrysene	2.60E-01	2.39	1.09E+01	110	460	mg/kg OC	<1	<1
EPA Site Inspection	DR104	8/18/1998	Chrysene	2.30E-01	1.84	1.25E+01	110	460	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Chrysene	1.80E-01	1.66	1.08E+01	110	460	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Chrysene	1.80E-01	2.44	7.38E+00	110	460	mg/kg OC	<1	<1
EPA Site Inspection	DR098	8/20/1998	Chrysene	1.70E-01	0.972	1.75E+01	110	460	mg/kg OC	<1	<1
EPA Site Inspection	DR104	8/18/1998	Chrysene	1.70E-01	1.84	9.24E+00	110	460	mg/kg OC	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Chrysene	1.40E-01	0.47		1400	9200	mg/kg DW	<1	<1
EPA Site Inspection	DR165	8/13/1998	Chrysene	1.10E-01	2.36	4.66E+00	110	460	mg/kg OC	<1	<1
EPA Site Inspection	DR166	8/13/1998	Chrysene	1.00E-01	1.47	6.80E+00	110	460	mg/kg OC	<1	<1
EPA Site Inspection	DR100	8/20/1998	Chrysene	7.30E-02	1.59	4.59E+00	110	460	mg/kg OC	<1	<1
EPA Site Inspection	DR103	8/18/1998	Chrysene	3.50E-02 J	1.78	1.97E+00	110	460	mg/kg OC	<1	<1
EPA Site Inspection	DR095	8/20/1998	Chrysene	2.30E-02	0.62	3.71E+00	110	460	mg/kg OC	<1	<1
EPA Site Inspection	DR103	8/18/1998	Cobalt	1.10E+01	1.78						
EPA Site Inspection	DR104	8/18/1998	Cobalt	1.10E+01	1.84						
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Cobalt	1.10E+01	2.71						
EPA Site Inspection	DR096	9/2/1998	Cobalt	1.00E+01	1.95						
EPA Site Inspection	DR165	8/13/1998	Cobalt	1.00E+01	2.36						
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Cobalt	1.00E+01	2.63						
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Cobalt	1.00E+01	2.82						
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Cobalt	1.00E+01	2.84						
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Cobalt	9.60E+00	2.61						
EPA Site Inspection	DR147	9/2/1998	Cobalt	9.00E+00	2.15						
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Cobalt	9.00E+00	2.17						
EPA Site Inspection	DR097	8/20/1998	Cobalt	8.00E+00	2.99						
EPA Site Inspection	DR102	8/20/1998	Cobalt	8.00E+00	1.73						
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Cobalt	7.80E+00	2.44						
Puget Sound Sediment Sampling	205	6/23/1998	Cobalt	7.73E+00	1.33						
EPA Site Inspection	DR099	8/20/1998	Cobalt	7.00E+00	1.02						
EPA Site Inspection	DR166	8/13/1998	Cobalt	7.00E+00	1.47						
EPA Site Inspection	DR104	8/18/1998	Cobalt	6.80E+00	1.84						
EPA Site Inspection	DR100	8/20/1998	Cobalt	6.40E+00	1.59						
EPA Site Inspection	DR098	8/20/1998	Cobalt	6.10E+00	0.972						
EPA Site Inspection	DR147	9/2/1998	Cobalt	6.10E+00	2.02						
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Cobalt	6.10E+00	2.39						
EPA Site Inspection	DR101	8/20/1998	Cobalt	5.00E+00	1.66						
EPA Site Inspection	DR095	8/20/1998	Cobalt	4.50E+00	0.62						
EPA Site Inspection	DR095	8/20/1998	Cobalt	4.00E+00	0.61						
LDW RI Phase 2 Round 1	C5	8/27/2004	Cobalt	3.92E+00	0.32						
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Copper	9.40E+01 J	2.61		390	390	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Copper	7.80E+01	2.71		390	390	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Copper	7.10E+01	2.82		390	390	mg/kg DW	<1	<1
EPA Site Inspection	DR147	9/2/1998	Copper	6.90E+01	2.15		390	390	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Copper	6.90E+01	2.84		390	390	mg/kg DW	<1	<1
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Copper	6.70E+01	2.63		390	390	mg/kg DW	<1	<1
EPA Site Inspection	DR096	9/2/1998	Copper	6.60E+01	1.95		390	390	mg/kg DW	<1	<1

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
EPA Site Inspection	DR097	8/20/1998	Copper	6.30E+01	2.99		390	390	mg/kg DW	<1	<1
EPA Site Inspection	DR098	8/20/1998	Copper	6.29E+01	0.972		390	390	mg/kg DW	<1	<1
EPA Site Inspection	DR104	8/18/1998	Copper	6.10E+01	1.84		390	390	mg/kg DW	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Copper	5.90E+01	2.17		390	390	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Copper	5.89E+01	2.44		390	390	mg/kg DW	<1	<1
EPA Site Inspection	DR147	9/2/1998	Copper	5.79E+01 J	2.02		390	390	mg/kg DW	<1	<1
EPA Site Inspection	DR104	8/18/1998	Copper	5.25E+01	1.84		390	390	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Copper	4.83E+01	2.39		390	390	mg/kg DW	<1	<1
EPA Site Inspection	DR102	8/20/1998	Copper	4.70E+01	1.73		390	390	mg/kg DW	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Copper	4.37E+01	1.33		390	390	mg/kg DW	<1	<1
EPA Site Inspection	DR103	8/18/1998	Copper	4.21E+01	1.78		390	390	mg/kg DW	<1	<1
EPA Site Inspection	DR165	8/13/1998	Copper	4.20E+01	2.36		390	390	mg/kg DW	<1	<1
EPA Site Inspection	DR100	8/20/1998	Copper	4.19E+01	1.59		390	390	mg/kg DW	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Copper	4.09E+01 J	0.47		390	530	mg/kg DW	<1	<1
EPA Site Inspection	DR099	8/20/1998	Copper	3.90E+01	1.02		390	390	mg/kg DW	<1	<1
EPA Site Inspection	DR166	8/13/1998	Copper	3.30E+01	1.47		390	390	mg/kg DW	<1	<1
EPA Site Inspection	DR101	8/20/1998	Copper	3.10E+01	1.66		390	390	mg/kg DW	<1	<1
EPA Site Inspection	DR095	8/20/1998	Copper	2.50E+01	0.61		390	390	mg/kg DW	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Copper	1.74E+01	0.32		390	530	mg/kg DW	<1	<1
EPA Site Inspection	DR095	8/20/1998	Copper	1.69E+01	0.62		390	390	mg/kg DW	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	DDTs (total-calc'd)	1.84E-02	1.33	1.38E+00	6.9	69	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5	8/27/2004	DDTs (total-calc'd)	4.90E-03 JN	0.32	1.53E+00	6.9	69	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Dibenzo(a,h)anthracene	1.32E-01	1.33	9.92E+00	12	33	mg/kg OC	<1	<1
EPA Site Inspection	DR097	8/20/1998	Dibenzo(a,h)anthracene	7.00E-02	2.99	2.34E+00	12	33	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Dibenzo(a,h)anthracene	7.00E-02	2.82	2.48E+00	12	33	mg/kg OC	<1	<1
EPA Site Inspection	DR096	9/2/1998	Dibenzo(a,h)anthracene	6.00E-02	1.95	3.08E+00	12	33	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Dibenzo(a,h)anthracene	6.00E-02	2.71	2.21E+00	12	33	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	Dibenzo(a,h)anthracene	5.40E-02 J	2.02	2.67E+00	12	33	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	Dibenzo(a,h)anthracene	5.00E-02	2.15	2.33E+00	12	33	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Dibenzo(a,h)anthracene	5.00E-02	2.84	1.76E+00	12	33	mg/kg OC	<1	<1
EPA Site Inspection	DR102	8/20/1998	Dibenzo(a,h)anthracene	4.00E-02 J	1.73	2.31E+00	12	33	mg/kg OC	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Dibenzo(a,h)anthracene	4.00E-02	2.17	1.84E+00	12	33	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Dibenzo(a,h)anthracene	4.00E-02	2.63	1.52E+00	12	33	mg/kg OC	<1	<1
EPA Site Inspection	DR104	8/18/1998	Dibenzo(a,h)anthracene	3.10E-02	1.84	1.68E+00	12	33	mg/kg OC	<1	<1
EPA Site Inspection	DR095	8/20/1998	Dibenzo(a,h)anthracene	3.00E-02	0.61	4.92E+00	12	33	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Dibenzo(a,h)anthracene	2.80E-02	0.32		230	970	mg/kg DW	<1	<1
EPA Site Inspection	DR099	8/20/1998	Dibenzo(a,h)anthracene	2.00E-02	1.02	1.96E+00	12	33	mg/kg OC	<1	<1
EPA Site Inspection	DR098	8/20/1998	Dibenzo(a,h)anthracene	1.30E-02	0.972	1.34E+00	12	33	mg/kg OC	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Dibenzo(a,h)anthracene	1.00E-02 J	0.47		230	970	mg/kg DW	<1	<1
EPA Site Inspection	DR100	8/20/1998	Dibenzo(a,h)anthracene	9.20E-03	1.59	5.79E-01	12	33	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Dibenzofuran	1.03E-01	1.33	7.74E+00	15	58	mg/kg OC	<1	<1
EPA Site Inspection	DR097	8/20/1998	Dibenzofuran	1.00E-01	2.99	3.34E+00	15	58	mg/kg OC	<1	<1
EPA Site Inspection	DR102	8/20/1998	Dibenzofuran	3.00E-02 J	1.73	1.73E+00	15	58	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Dibenzofuran	3.00E-02	2.82	1.06E+00	15	58	mg/kg OC	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Dibenzofuran	2.30E-02	0.47		540	700	mg/kg DW	<1	<1

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Dibenzofuran	2.10E-02	0.32		540	700	mg/kg DW	<1	<1
EPA Site Inspection	DR096	9/2/1998	Dibenzofuran	2.00E-02	1.95	1.03E+00	15	58	mg/kg OC	<1	<1
EPA Site Inspection	DR099	8/20/1998	Dibenzofuran	2.00E-02	1.02	1.96E+00	15	58	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	Dibenzofuran	2.00E-02	2.15	9.30E-01	15	58	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Dibenzofuran	2.00E-02	2.63	7.60E-01	15	58	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Dibenzofuran	2.00E-02	2.71	7.38E-01	15	58	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Dibenzofuran	2.00E-02	2.84	7.04E-01	15	58	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Dibenzothiophene	5.90E-02	1.33	4.44E+00					
Puget Sound Sediment Sampling	205	6/23/1998	Dibutyltin as ion	2.00E-02	1.33	1.50E+00					
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Dibutyltin as ion	2.00E-02 J	2.71	7.38E-01					
EPA Site Inspection	DR096	9/2/1998	Dibutyltin as ion	1.40E-02 J	1.95	7.18E-01					
EPA Site Inspection	DR102	8/20/1998	Dibutyltin as ion	1.10E-02 J	1.73	6.36E-01					
LDW RI Phase 2 Round 1	C5	8/27/2004	Dibutyltin as ion	2.90E-03	0.32	9.06E-01					
Puget Sound Sediment Sampling	205	6/23/1998	Diethyl phthalate	2.70E-02	1.33	2.03E+00	61	110	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Diethyl phthalate	1.00E-02	2.39	4.18E-01	61	110	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Dimethyl phthalate	3.40E-02	1.33	2.56E+00	53	53	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Dimethyl phthalate	3.00E-02	2.71	1.11E+00	53	53	mg/kg OC	<1	<1
EPA Site Inspection	DR097	8/20/1998	Dimethyl phthalate	2.00E-02	2.99	6.69E-01	53	53	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Dimethyl phthalate	2.00E-02	2.82	7.09E-01	53	53	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	Dimethyl phthalate	7.20E-03	2.02	3.56E-01	53	53	mg/kg OC	<1	<1
EPA Site Inspection	DR098	8/20/1998	Dimethyl phthalate	6.20E-03 J	0.972	6.38E-01	53	53	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Di-n-butyl phthalate	2.90E-02 J	0.32		1400	NA	mg/kg DW	<1	<1
EPA Site Inspection	DR097	8/20/1998	Di-n-butyl phthalate	2.00E-02	2.99	6.69E-01	220	1700	mg/kg OC	<1	<1
EPA Site Inspection	DR102	8/20/1998	Di-n-butyl phthalate	2.00E-02 J	1.73	1.16E+00	220	1700	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Di-n-butyl phthalate	2.00E-02	2.84	7.04E-01	220	1700	mg/kg OC	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Di-n-butyl phthalate	5.00E-03 J	0.47		1400	NA	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Di-n-octyl phthalate	4.00E-02	2.71	1.48E+00	58	4500	mg/kg OC	<1	<1
EPA Site Inspection	DR097	8/20/1998	Fluoranthene	2.70E+00	2.99	9.03E+01	160	1200	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Fluoranthene	1.79E+00	1.33	1.35E+02	160	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	Fluoranthene	1.20E+00	2.02	5.94E+01	160	1200	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Fluoranthene	1.00E+00	2.71	3.69E+01	160	1200	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Fluoranthene	9.80E-01	2.61	3.75E+01	160	1200	mg/kg OC	<1	<1
Duwamish Waterway Sediment Characterization Study	EIT079	11/4/1997	Fluoranthene	8.90E-01	2.15	4.14E+01	160	1200	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Fluoranthene	8.70E-01	2.82	3.09E+01	160	1200	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Fluoranthene	7.00E-01	2.84	2.46E+01	160	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR102	8/20/1998	Fluoranthene	6.90E-01 J	1.73	3.99E+01	160	1200	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Fluoranthene	6.60E-01	2.63	2.51E+01	160	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR096	9/2/1998	Fluoranthene	6.40E-01	1.95	3.28E+01	160	1200	mg/kg OC	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Fluoranthene	5.90E-01	2.17	2.72E+01	160	1200	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Fluoranthene	4.70E-01	2.39	1.97E+01	160	1200	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Fluoranthene	4.40E-01	0.32		1700	24000	mg/kg DW	<1	<1
EPA Site Inspection	DR099	8/20/1998	Fluoranthene	4.30E-01	1.02	4.22E+01	160	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR104	8/18/1998	Fluoranthene	4.10E-01	1.84	2.23E+01	160	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR095	8/20/1998	Fluoranthene	3.60E-01	0.61	5.90E+01	160	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Fluoranthene	2.80E-01	1.66	1.69E+01	160	1200	mg/kg OC	<1	<1

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Fluoranthene	2.80E-01	2.44	1.15E+01	160	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR104	8/18/1998	Fluoranthene	2.40E-01	1.84	1.30E+01	160	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR166	8/13/1998	Fluoranthene	2.30E-01	1.47	1.56E+01	160	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR165	8/13/1998	Fluoranthene	2.20E-01	2.36	9.32E+00	160	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Fluoranthene	2.10E-01	0.47		1700	24000	mg/kg DW	<1	<1
EPA Site Inspection	DR098	8/20/1998	Fluoranthene	1.70E-01	0.972	1.75E+01	160	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR100	8/20/1998	Fluoranthene	9.40E-02	1.59	5.91E+00	160	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR103	8/18/1998	Fluoranthene	6.50E-02	1.78	3.65E+00	160	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR095	8/20/1998	Fluoranthene	3.30E-02	0.62	5.32E+00	160	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR097	8/20/1998	Fluorene	3.60E-01	2.99	1.20E+01	23	79	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Fluorene	1.24E-01	1.33	9.32E+00	23	79	mg/kg OC	<1	<1
EPA Site Inspection	DR102	8/20/1998	Fluorene	1.00E-01 J	1.73	5.78E+00	23	79	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Fluorene	6.30E-02	2.61	2.41E+00	23	79	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Fluorene	5.00E-02	2.82	1.77E+00	23	79	mg/kg OC	<1	<1
EPA Site Inspection	DR099	8/20/1998	Fluorene	4.00E-02	1.02	3.92E+00	23	79	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Fluorene	4.00E-02	2.71	1.48E+00	23	79	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Fluorene	3.30E-02	0.32		540	1000	mg/kg DW	<1	<1
EPA Site Inspection	DR095	8/20/1998	Fluorene	3.00E-02	0.61	4.92E+00	23	79	mg/kg OC	<1	<1
EPA Site Inspection	DR096	9/2/1998	Fluorene	3.00E-02	1.95	1.54E+00	23	79	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Fluorene	3.00E-02	1.66	1.81E+00	23	79	mg/kg OC	<1	<1
Duwamish Waterway Sediment Characterization Study	EIT079	11/4/1997	Fluorene	3.00E-02	2.15	1.40E+00	23	79	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Fluorene	3.00E-02	2.63	1.14E+00	23	79	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Fluorene	3.00E-02	2.84	1.06E+00	23	79	mg/kg OC	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Fluorene	2.90E-02	0.47		540	1000	mg/kg DW	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Fluorene	2.00E-02	2.17	9.22E-01	23	79	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5	8/27/2004	gamma-Chlordane	1.10E-03 JN	0.32	3.44E-01					
Puget Sound Sediment Sampling	205	6/23/1998	Hexachlorobenzene	4.50E-03	1.33	3.38E-01	0.38	2.3	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Indeno(1,2,3-cd)pyrene	6.19E-01	1.33	4.65E+01	34	88	mg/kg OC	1.4	<1
EPA Site Inspection	DR097	8/20/1998	Indeno(1,2,3-cd)pyrene	3.50E-01	2.99	1.17E+01	34	88	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Indeno(1,2,3-cd)pyrene	2.60E-01	2.82	9.22E+00	34	88	mg/kg OC	<1	<1
Duwamish Waterway Sediment Characterization Study	EIT081	10/17/1997	Indeno(1,2,3-cd)pyrene	2.40E-01	2.15	1.12E+01	34	88	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Indeno(1,2,3-cd)pyrene	2.40E-01	2.84	8.45E+00	34	88	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS65	3/8/2005	Indeno(1,2,3-cd)pyrene	2.20E-01	2.71	8.12E+00	34	88	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Indeno(1,2,3-cd)pyrene	2.00E-01	0.32		600	2600	mg/kg DW	<1	<1
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Indeno(1,2,3-cd)pyrene	1.90E-01	2.63	7.22E+00	34	88	mg/kg OC	<1	<1
EPA Site Inspection	DR096	9/2/1998	Indeno(1,2,3-cd)pyrene	1.70E-01	1.95	8.72E+00	34	88	mg/kg OC	<1	<1
EPA Site Inspection	DR102	8/20/1998	Indeno(1,2,3-cd)pyrene	1.70E-01 J	1.73	9.83E+00	34	88	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	Indeno(1,2,3-cd)pyrene	1.50E-01	2.02	7.43E+00	34	88	mg/kg OC	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Indeno(1,2,3-cd)pyrene	1.50E-01	2.17	6.91E+00	34	88	mg/kg OC	<1	<1
EPA Site Inspection	DR095	8/20/1998	Indeno(1,2,3-cd)pyrene	1.30E-01	0.61	2.13E+01	34	88	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Indeno(1,2,3-cd)pyrene	1.30E-01	2.61	4.98E+00	34	88	mg/kg OC	<1	<1
EPA Site Inspection	DR099	8/20/1998	Indeno(1,2,3-cd)pyrene	1.00E-01	1.02	9.80E+00	34	88	mg/kg OC	<1	<1
EPA Site Inspection	DR104	8/18/1998	Indeno(1,2,3-cd)pyrene	1.00E-01	1.84	5.43E+00	34	88	mg/kg OC	<1	<1
EPA Site Inspection	DR104	8/18/1998	Indeno(1,2,3-cd)pyrene	7.00E-02	1.84	3.80E+00	34	88	mg/kg OC	<1	<1
EPA Site Inspection	DR165	8/13/1998	Indeno(1,2,3-cd)pyrene	7.00E-02	2.36	2.97E+00	34	88	mg/kg OC	<1	<1

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Indeno(1,2,3-cd)pyrene	6.30E-02	2.44	2.58E+00	34	88	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Indeno(1,2,3-cd)pyrene	6.00E-02	1.66	3.61E+00	34	88	mg/kg OC	<1	<1
EPA Site Inspection	DR166	8/13/1998	Indeno(1,2,3-cd)pyrene	6.00E-02	1.47	4.08E+00	34	88	mg/kg OC	<1	<1
EPA Site Inspection	DR098	8/20/1998	Indeno(1,2,3-cd)pyrene	5.30E-02 J	0.972	5.45E+00	34	88	mg/kg OC	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Indeno(1,2,3-cd)pyrene	4.40E-02	0.47		600	2600	mg/kg DW	<1	<1
EPA Site Inspection	DR100	8/20/1998	Indeno(1,2,3-cd)pyrene	3.80E-02 J	1.59	2.39E+00	34	88	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Indeno(1,2,3-cd)pyrene	1.50E-02	2.39	6.28E-01	34	88	mg/kg OC	<1	<1
EPA Site Inspection	DR098	8/20/1998	Indeno(1,2,3-cd)pyrene	7.30E-03	0.62	1.18E+00	34	88	mg/kg OC	<1	<1
EPA Site Inspection	DR104	8/18/1998	Iron	3.43E+04 J	1.84						
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Iron	3.33E+04	2.71						
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Iron	3.18E+04 J	2.82						
EPA Site Inspection	DR096	9/2/1998	Iron	3.16E+04 J	1.95						
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Iron	3.06E+04 J	2.84						
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Iron	3.00E+04 J	2.63						
EPA Site Inspection	DR097	8/20/1998	Iron	2.90E+04 J	2.99						
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Iron	2.86E+04 J	2.17						
Duwamish Waterway Sediment Characterization Study	EIT081	10/17/1997	Iron	2.67E+04 J	2.15						
EPA Site Inspection	DR102	8/20/1998	Iron	2.60E+04 J	1.73						
EPA Site Inspection	DR165	8/13/1998	Iron	2.53E+04 J	2.36						
Puget Sound Sediment Sampling	205	6/23/1998	Iron	2.32E+04	1.33						
EPA Site Inspection	DR166	8/13/1998	Iron	1.91E+04 J	1.47						
EPA Site Inspection	DR101	8/20/1998	Iron	1.86E+04 J	1.66						
EPA Site Inspection	DR099	8/20/1998	Iron	1.77E+04 J	1.02						
EPA Site Inspection	DR095	8/20/1998	Iron	1.31E+04 J	0.61						
EPA Site Inspection	DR098	8/20/1998	Lead	3.03E+02	0.972		450	530	mg/kg DW	<1	<1
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Lead	6.99E+01	2.71		450	530	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Lead	5.50E+01	2.61		450	530	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Lead	4.69E+01	2.82		450	530	mg/kg DW	<1	<1
EPA Site Inspection	DR147	9/2/1998	Lead	4.60E+01	2.02		450	530	mg/kg DW	<1	<1
Duwamish Waterway Sediment Characterization Study	EST195	10/14/1997	Lead	4.45E+01	2.15		450	530	mg/kg DW	<1	<1
EPA Site Inspection	DR100	8/20/1998	Lead	4.40E+01	1.59		450	530	mg/kg DW	<1	<1
EPA Site Inspection	DR097	8/20/1998	Lead	4.10E+01	2.99		450	530	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Lead	3.68E+01	2.84		450	530	mg/kg DW	<1	<1
EPA Site Inspection	DR096	9/2/1998	Lead	3.42E+01	1.95		450	530	mg/kg DW	<1	<1
EPA Site Inspection	DR104	8/18/1998	Lead	3.40E+01	1.84		450	530	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Lead	3.40E+01	2.44		450	530	mg/kg DW	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Lead	3.30E+01	2.17		450	530	mg/kg DW	<1	<1
EPA Site Inspection	DR166	8/13/1998	Lead	3.29E+01	1.47		450	530	mg/kg DW	<1	<1
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Lead	3.25E+01	2.63		450	530	mg/kg DW	<1	<1
EPA Site Inspection	DR104	8/18/1998	Lead	3.02E+01	1.84		450	530	mg/kg DW	<1	<1
EPA Site Inspection	DR165	8/13/1998	Lead	2.95E+01	2.36		450	530	mg/kg DW	<1	<1
EPA Site Inspection	DR099	8/20/1998	Lead	2.94E+01	1.02		450	530	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Lead	2.80E+01	2.39		450	530	mg/kg DW	<1	<1
EPA Site Inspection	DR102	8/20/1998	Lead	2.66E+01	1.73		450	530	mg/kg DW	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Lead	2.62E+01	1.33		450	530	mg/kg DW	<1	<1

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
EPA Site Inspection	DR103	8/18/1998	Lead	2.50E+01	1.78		450	530	mg/kg DW	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Lead	2.25E+01 J	0.32		530	450	mg/kg DW	<1	<1
EPA Site Inspection	DR101	8/20/1998	Lead	2.07E+01	1.66		450	530	mg/kg DW	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Lead	1.84E+01	0.47		530	450	mg/kg DW	<1	<1
EPA Site Inspection	DR095	8/20/1998	Lead	1.22E+01	0.61		450	530	mg/kg DW	<1	<1
EPA Site Inspection	DR098	8/20/1998	Lead	1.10E+01	0.62		450	530	mg/kg DW	<1	<1
EPA Site Inspection	DR097	8/20/1998	Magnesium	8.20E+03	2.99						
EPA Site Inspection	DR165	8/13/1998	Magnesium	7.32E+03	2.36						
EPA Site Inspection	DR166	8/13/1998	Magnesium	5.48E+03	1.47						
EPA Site Inspection	DR096	9/2/1998	Manganese	3.79E+02	1.95						
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Manganese	3.68E+02	2.71						
EPA Site Inspection	DR104	8/18/1998	Manganese	3.59E+02	1.84						
EPA Site Inspection	DR165	8/13/1998	Manganese	3.30E+02	2.36						
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Manganese	3.25E+02	2.63						
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Manganese	3.20E+02	2.82						
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Manganese	3.12E+02	2.17						
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Manganese	3.06E+02	2.84						
EPA Site Inspection	DR097	8/20/1998	Manganese	2.91E+02	2.99						
Duwamish Waterway Sediment Characterization Study	EST195	10/14/1997	Manganese	2.76E+02	2.15						
EPA Site Inspection	DR102	8/20/1998	Manganese	2.56E+02	1.73						
Puget Sound Sediment Sampling	205	6/23/1998	Manganese	2.36E+02	1.33						
EPA Site Inspection	DR166	8/13/1998	Manganese	2.15E+02	1.47						
EPA Site Inspection	DR099	8/20/1998	Manganese	1.79E+02	1.02						
EPA Site Inspection	DR101	8/20/1998	Manganese	1.68E+02	1.66						
EPA Site Inspection	DR095	8/20/1998	Manganese	1.25E+02	0.61						
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Mercury	3.40E-01 J	2.61		0.41	0.59	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Mercury	3.00E-01	2.84		0.41	0.59	mg/kg DW	<1	<1
EPA Site Inspection	DR147	9/2/1998	Mercury	2.90E-01 J	2.02		0.41	0.59	mg/kg DW	<1	<1
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Mercury	2.70E-01	2.71		0.41	0.59	mg/kg DW	<1	<1
EPA Site Inspection	DR103	8/18/1998	Mercury	2.50E-01	1.78		0.41	0.59	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Mercury	2.50E-01	2.82		0.41	0.59	mg/kg DW	<1	<1
EPA Site Inspection	DR102	8/20/1998	Mercury	1.80E-01	1.73		0.41	0.59	mg/kg DW	<1	<1
EPA Site Inspection	DR104	8/18/1998	Mercury	1.70E-01	1.84		0.41	0.59	mg/kg DW	<1	<1
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Mercury	1.70E-01	2.63		0.41	0.59	mg/kg DW	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Mercury	1.50E-01	2.17		0.41	0.59	mg/kg DW	<1	<1
EPA Site Inspection	DR096	9/2/1998	Mercury	1.40E-01	1.95		0.41	0.59	mg/kg DW	<1	<1
EPA Site Inspection	DR097	8/20/1998	Mercury	1.40E-01	2.99		0.41	0.59	mg/kg DW	<1	<1
EPA Site Inspection	DR104	8/18/1998	Mercury	1.40E-01	1.84		0.41	0.59	mg/kg DW	<1	<1
Duwamish Waterway Sediment Characterization Study	EST196	10/22/1997	Mercury	1.30E-01	2.15		0.41	0.59	mg/kg DW	<1	<1
EPA Site Inspection	DR165	8/13/1998	Mercury	1.20E-01	2.36		0.41	0.59	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Mercury	1.20E-01	2.44		0.41	0.59	mg/kg DW	<1	<1
EPA Site Inspection	DR099	8/20/1998	Mercury	1.10E-01	1.02		0.41	0.59	mg/kg DW	<1	<1
EPA Site Inspection	DR166	8/13/1998	Mercury	1.10E-01	1.47		0.41	0.59	mg/kg DW	<1	<1
EPA Site Inspection	DR100	8/20/1998	Mercury	1.00E-01	1.59		0.41	0.59	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Mercury	8.00E-02	2.39		0.41	0.59	mg/kg DW	<1	<1

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
Puget Sound Sediment Sampling	205	6/23/1998	Mercury	7.00E-02	1.33		0.41	0.59	mg/kg DW	<1	<1
EPA Site Inspection	DR101	8/20/1998	Mercury	7.00E-02	1.66		0.41	0.59	mg/kg DW	<1	<1
EPA Site Inspection	DR095	8/20/1998	Mercury	6.00E-02	0.61		0.41	0.59	mg/kg DW	<1	<1
EPA Site Inspection	DR098	8/20/1998	Mercury	6.00E-02	0.62		0.41	0.59	mg/kg DW	<1	<1
EPA Site Inspection	DR098	8/20/1998	Mercury	6.00E-02	0.972		0.41	0.59	mg/kg DW	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Mercury	2.10E-02	0.32		0.41	2.1	mg/kg DW	<1	<1
EPA Site Inspection	DR102	8/20/1998	Methoxychlor	2.00E-03	1.73						
EPA Site Inspection	DR102	8/20/1998	Methyl ethyl ketone	7.80E-03	1.73						
EPA Site Inspection	DR147	9/2/1998	Molybdenum	2.40E+00	2.02						
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Molybdenum	2.00E+00	2.61						
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Molybdenum	1.40E+00	2.44						
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Molybdenum	1.10E+00	2.39						
EPA Site Inspection	DR098	8/20/1998	Molybdenum	7.00E-01	0.62						
EPA Site Inspection	DR101	8/20/1998	Molybdenum	6.00E-01	1.59						
EPA Site Inspection	DR098	8/20/1998	Molybdenum	5.00E-01	0.972						
EPA Site Inspection	DR103	8/18/1998	Molybdenum	5.00E-01	1.78						
EPA Site Inspection	DR104	8/18/1998	Molybdenum	5.00E-01	1.84						
LDW RI Phase 2 Round 1	C5	8/27/2004	Molybdenum	4.95E-01 J	0.32						
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Monobutyltin as ion	2.30E-02 J	2.71	8.49E-01					
EPA Site Inspection	DR166	8/13/1998	Monobutyltin as ion	6.00E-03 J	1.47	4.08E-01					
LDW RI Phase 2 Round 1	C5	8/27/2004	Monobutyltin as ion	8.50E-04 J	0.32	2.66E-01					
Puget Sound Sediment Sampling	205	6/23/1998	Naphthalene	1.04E-01	1.33	7.82E+00	99	170	mg/kg OC	<1	<1
EPA Site Inspection	DR097	8/20/1998	Naphthalene	3.00E-02	2.99	1.00E+00	99	170	mg/kg OC	<1	<1
EPA Site Inspection	DR102	8/20/1998	Naphthalene	2.00E-02 J	1.73	1.16E+00	99	170	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Naphthalene	1.30E-02	0.32		2100	2700	mg/kg DW	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Naphthalene	1.00E-02 J	0.47		2100	2700	mg/kg DW	<1	<1
EPA Site Inspection	DR096	9/2/1998	n-Butyltin	1.10E-02 J	1.95						
EPA Site Inspection	DR104	8/18/1998	Nickel	2.61E+01	1.84						
Duwamish Waterway Sediment Characterization Study	EST196	10/22/1997	Nickel	2.59E+01	2.15						
EPA Site Inspection	DR165	8/13/1998	Nickel	2.57E+01	2.36						
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Nickel	2.50E+01	2.61						
EPA Site Inspection	DR096	9/2/1998	Nickel	2.28E+01	1.95						
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Nickel	2.28E+01	2.71						
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Nickel	2.27E+01	2.63						
EPA Site Inspection	DR097	8/20/1998	Nickel	2.16E+01	2.99						
EPA Site Inspection	DR102	8/20/1998	Nickel	2.11E+01	1.73						
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Nickel	2.10E+01	2.39						
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Nickel	2.10E+01	2.82						
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Nickel	2.07E+01	2.17						
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Nickel	2.02E+01	2.84						
EPA Site Inspection	DR103	8/18/1998	Nickel	1.99E+01	1.78						
EPA Site Inspection	DR166	8/13/1998	Nickel	1.97E+01	1.47						
EPA Site Inspection	DR098	8/20/1998	Nickel	1.89E+01	0.972						
EPA Site Inspection	DR104	8/18/1998	Nickel	1.87E+01	1.84						
Puget Sound Sediment Sampling	205	6/23/1998	Nickel	1.78E+01	1.33						

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Nickel	1.70E+01	2.44						
EPA Site Inspection	DR101	8/20/1998	Nickel	1.69E+01	1.59						
EPA Site Inspection	DR099	8/20/1998	Nickel	1.63E+01	1.02						
EPA Site Inspection	DR101	8/20/1998	Nickel	1.51E+01	1.66						
EPA Site Inspection	DR147	9/2/1998	Nickel	1.50E+01	2.02						
LDW RI Phase 2 Round 1	C5	8/27/2004	Nickel	1.13E+01	0.32						
EPA Site Inspection	DR095	8/20/1998	Nickel	1.11E+01	0.61						
EPA Site Inspection	DR098	8/20/1998	Nickel	1.00E+01	0.62						
EPA Site Inspection	DR147	9/2/1998	N-Nitrosodiphenylamine	7.20E-03	2.02	3.56E-01	11	11	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	N-Nitrosodiphenylamine	7.20E-03	2.61	2.76E-01	11	11	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	OCDD	2.96E-03	2.02	1.47E-01					
EPA Site Inspection	DR102	8/20/1998	OCDD	6.20E-04	1.73	3.58E-02					
EPA Site Inspection	DR147	9/2/1998	OCDF	1.85E-04	2.02	9.16E-03					
EPA Site Inspection	DR102	8/20/1998	OCDF	2.80E-05	1.73	1.62E-03					
Puget Sound Sediment Sampling	205	6/23/1998	PCBs (total calc'd)	6.70E-01 J	1.33	5.04E+01	12	65	mg/kg OC	4.2	<1
EPA Site Inspection	DR147	9/2/1998	PCBs (total calc'd)	4.60E-01	2.02	2.28E+01	12	65	mg/kg OC	1.9	<1
EPA Site Inspection	DR099	8/20/1998	PCBs (total calc'd)	3.90E-01 J	1.02	3.82E+01	12	65	mg/kg OC	3.2	<1
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	PCBs (total calc'd)	3.45E-01	2.71	1.27E+01	12	65	mg/kg OC	1.1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	PCBs (total calc'd)	3.40E-01	2.61	1.30E+01	12	65	mg/kg OC	1.1	<1
EPA Site Inspection	DR147	9/2/1998	PCBs (total calc'd)	3.00E-01	2.04	1.47E+01	12	65	mg/kg OC	1.2	<1
EPA Site Inspection	DR103	8/18/1998	PCBs (total calc'd)	2.60E-01	1.78	1.46E+01	12	65	mg/kg OC	1.2	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	PCBs (total calc'd)	2.42E-01 J	2.84	8.52E+00	12	65	mg/kg OC	<1	<1
EPA Site Inspection	DR100	8/20/1998	PCBs (total calc'd)	2.40E-01	1.5	1.60E+01	12	65	mg/kg OC	1.3	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	PCBs (total calc'd)	2.20E-01	2.27	9.69E+00	12	65	mg/kg OC	<1	<1
EPA Site Inspection	DR104	8/18/1998	PCBs (total calc'd)	2.11E-01	1.84	1.15E+01	12	65	mg/kg OC	<1	<1
EPA Site Inspection	DR100	8/20/1998	PCBs (total calc'd)	1.80E-01	1.47	1.22E+01	12	65	mg/kg OC	1.0	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	PCBs (total calc'd)	1.77E-01 J	2.82	6.28E+00	12	65	mg/kg OC	<1	<1
EPA Site Inspection	DR096	9/2/1998	PCBs (total calc'd)	1.72E-01 J	1.95	8.82E+00	12	65	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	PCBs (total calc'd)	1.41E-01 J	2.44	5.78E+00	12	65	mg/kg OC	<1	<1
EPA Site Inspection	DR146	8/19/1998	PCBs (total calc'd)	1.40E-01	1.87	7.49E+00	12	65	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	PCBs (total calc'd)	1.30E-01	2.13	6.10E+00	12	65	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	PCBs (total calc'd)	1.30E-01	2.35	5.53E+00	12	65	mg/kg OC	<1	<1
EPA Site Inspection	DR097	8/20/1998	PCBs (total calc'd)	1.26E-01 J	2.99	4.21E+00	12	65	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	PCBs (total calc'd)	1.25E-01 J	2.63	4.75E+00	12	65	mg/kg OC	<1	<1
EPA Site Inspection	DR098	8/20/1998	PCBs (total calc'd)	1.24E-01	0.972	1.28E+01	12	65	mg/kg OC	1.1	<1
EPA Site Inspection	DR101	8/20/1998	PCBs (total calc'd)	1.22E-01	1.59	7.67E+00	12	65	mg/kg OC	<1	<1
Duwamish Waterway Sediment Characterization Study	CH0029	10/16/1997	PCBs (total calc'd)	1.20E-01	2.01	5.97E+00	12	65	mg/kg OC	<1	<1
Duwamish Waterway Sediment Characterization Study	EST197	10/7/1997	PCBs (total calc'd)	1.08E-01 J	2.15	5.02E+00	12	65	mg/kg OC	<1	<1
EPA Site Inspection	DR100	8/20/1998	PCBs (total calc'd)	1.00E-01	1.33	7.52E+00	12	65	mg/kg OC	<1	<1
EPA Site Inspection	DR166	8/13/1998	PCBs (total calc'd)	9.50E-02 J	1.47	6.46E+00	12	65	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	PCBs (total calc'd)	9.50E-02	2.39	3.97E+00	12	65	mg/kg OC	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	PCBs (total calc'd)	9.10E-02 J	2.17	4.19E+00	12	65	mg/kg OC	<1	<1
EPA Site Inspection	DR104	8/18/1998	PCBs (total calc'd)	6.90E-02 J	1.84	3.75E+00	12	65	mg/kg OC	<1	<1
EPA Site Inspection	DR165	8/13/1998	PCBs (total calc'd)	5.70E-02 J	2.36	2.42E+00	12	65	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	PCBs (total calc'd)	5.30E-02	0.32		130	1000	mg/kg DW	<1	<1

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
Duwamish Waterway Sediment Characterization Study	CH0028 [a]	10/16/1997	PCBs (total calc'd)	4.50E-02 J	0.35		130	1000	mg/kg DW	<1	<1
EPA Site Inspection	DR098	8/20/1998	PCBs (total calc'd)	3.60E-02	0.62	5.81E+00	12	65	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	PCBs (total calc'd)	3.20E-02	1.66	1.93E+00	12	65	mg/kg OC	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	PCBs (total calc'd)	3.00E-02 J	0.47		130	1000	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	PCTs (total)	5.20E-02	2.27	2.29E+00					
EPA Site Inspection	DR100	8/20/1998	PCTs (total)	4.60E-02	1.5	3.07E+00					
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	PCTs (total)	2.80E-02	2.35	1.19E+00					
EPA Site Inspection	DR146	8/19/1998	PCTs (total)	2.20E-02	1.87	1.18E+00					
EPA Site Inspection	DR100	8/20/1998	PCTs (total)	2.10E-02	1.47	1.43E+00					
Duwamish Waterway Sediment Characterization Study	CH0028	10/16/1997	PCTs (total)	2.00E-02	0.35	5.71E+00					
EPA Site Inspection	DR147	9/2/1998	PCTs (total)	1.90E-02	2.13	8.92E-01					
EPA Site Inspection	DR100	8/20/1998	PCTs (total)	1.80E-02	1.33	1.35E+00					
EPA Site Inspection	DR147	9/2/1998	PCTs (total)	1.80E-02	2.04	8.82E-01					
Puget Sound Sediment Sampling	205	6/23/1998	Pentachlorophenol	5.27E-01	1.33	3.96E+01	360	690	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Pentachlorophenol	4.40E-02	0.32		NA	690	mg/kg DW	NA	<1
Puget Sound Sediment Sampling	205	6/23/1998	Perylene	9.49E-01	1.33	7.14E+01					
EPA Site Inspection	DR097	8/20/1998	Phenanthrene	1.40E+00	2.99	4.68E+01	100	480	mg/kg OC	<1	<1
EPA Site Inspection	DR102	8/20/1998	Phenanthrene	7.50E-01 J	1.73	4.34E+01	100	480	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Phenanthrene	6.76E-01	1.33	5.08E+01	100	480	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Phenanthrene	3.00E-01	2.71	1.11E+01	100	480	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Phenanthrene	2.90E-01	2.61	1.11E+01	100	480	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Phenanthrene	2.60E-01	2.82	9.22E+00	100	480	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Phenanthrene	2.30E-01	0.32		1500	5400	mg/kg DW	<1	<1
Duwamish Waterway Sediment Characterization Study	EST197	10/7/1997	Phenanthrene	2.10E-01	2.15	9.77E+00	100	480	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Phenanthrene	2.10E-01	2.84	7.39E+00	100	480	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	Phenanthrene	1.90E-01	2.02	9.41E+00	100	480	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Phenanthrene	1.90E-01	2.39	7.95E+00	100	480	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Phenanthrene	1.70E-01	2.63	6.46E+00	100	480	mg/kg OC	<1	<1
EPA Site Inspection	DR096	9/2/1998	Phenanthrene	1.50E-01	1.95	7.69E+00	100	480	mg/kg OC	<1	<1
EPA Site Inspection	DR099	8/20/1998	Phenanthrene	1.50E-01	1.02	1.47E+01	100	480	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Phenanthrene	1.30E-01	2.17	5.99E+00	100	480	mg/kg OC	<1	<1
EPA Site Inspection	DR095	8/20/1998	Phenanthrene	1.10E-01	0.61	1.80E+01	100	480	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Phenanthrene	1.10E-01	1.66	6.63E+00	100	480	mg/kg OC	<1	<1
EPA Site Inspection	DR104	8/18/1998	Phenanthrene	1.10E-01	1.84	5.98E+00	100	480	mg/kg OC	<1	<1
EPA Site Inspection	DR165	8/13/1998	Phenanthrene	9.00E-02	2.36	3.81E+00	100	480	mg/kg OC	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Phenanthrene	8.20E-02	0.47		1500	5400	mg/kg DW	<1	<1
EPA Site Inspection	DR104	8/18/1998	Phenanthrene	7.80E-02	1.84	4.24E+00	100	480	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Phenanthrene	7.30E-02	2.44	2.99E+00	100	480	mg/kg OC	<1	<1
EPA Site Inspection	DR098	8/20/1998	Phenanthrene	7.20E-02	0.972	7.41E+00	100	480	mg/kg OC	<1	<1
EPA Site Inspection	DR166	8/13/1998	Phenanthrene	6.00E-02	1.47	4.08E+00	100	480	mg/kg OC	<1	<1
EPA Site Inspection	DR103	8/18/1998	Phenanthrene	4.10E-02 J	1.78	2.30E+00	100	480	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Phenanthrene	3.90E-02 J	1.59	2.45E+00	100	480	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Phenol	2.80E-01	2.44	1.15E+01	420	1200	ug/kg DW	<1	<1
EPA Site Inspection	DR096	9/2/1998	Phenol	2.50E-01	1.95	1.28E+01	420	1200	ug/kg DW	<1	<1
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Phenol	1.80E-01	2.71	6.64E+00	420	1200	ug/kg DW	<1	<1

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Phenol	1.60E-01	2.17	7.37E+00	420	1200	ug/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Phenol	1.30E-01	2.84	4.58E+00	420	1200	ug/kg DW	<1	<1
EPA Site Inspection	DR104	8/18/1998	Phenol	8.00E-02	1.84	4.35E+00	420	1200	ug/kg DW	<1	<1
EPA Site Inspection	DR100	8/20/1998	Phenol	7.00E-02	1.02	6.86E+00	420	1200	ug/kg DW	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Phenol	5.90E-02	0.32		1200	1200	ug/kg DW	<1	<1
EPA Site Inspection	DR095	8/20/1998	Phenol	3.00E-02	0.61	4.92E+00	420	1200	ug/kg DW	<1	<1
EPA Site Inspection	DR097	8/20/1998	Phenol	3.00E-02	2.99	1.00E+00	420	1200	ug/kg DW	<1	<1
EPA Site Inspection	DR165	8/13/1998	Phenol	3.00E-02	2.36	1.27E+00	420	1200	ug/kg DW	<1	<1
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Phenol	2.00E-02	2.63	7.60E-01	420	1200	ug/kg DW	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Phenol	1.00E-02 J	0.47		1200	1200	ug/kg DW	<1	<1
EPA Site Inspection	DR097	8/20/1998	Pyrene	1.90E+00	2.99	6.35E+01	1000	1400	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Pyrene	1.76E+00	1.33	1.32E+02	1000	1400	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	Pyrene	9.10E-01	2.02	4.50E+01	1000	1400	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Pyrene	7.90E-01	2.61	3.03E+01	1000	1400	mg/kg OC	<1	<1
EPA Site Inspection	DR102	8/20/1998	Pyrene	7.70E-01 J	1.73	4.45E+01	1000	1400	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Pyrene	7.70E-01	2.71	2.84E+01	1000	1400	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Pyrene	6.80E-01	2.82	2.41E+01	1000	1400	mg/kg OC	<1	<1
Duwamish Waterway Sediment Characterization Study	EST198	11/13/1997	Pyrene	6.60E-01	2.15	3.07E+01	1000	1400	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Pyrene	5.40E-01	2.84	1.90E+01	1000	1400	mg/kg OC	<1	<1
EPA Site Inspection	DR096	9/2/1998	Pyrene	5.30E-01	1.95	2.72E+01	1000	1400	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Pyrene	4.60E-01	2.63	1.75E+01	1000	1400	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Pyrene	4.30E-01	2.17	1.98E+01	1000	1400	mg/kg OC	<1	<1
EPA Site Inspection	DR100	8/20/1998	Pyrene	4.10E-01	1.02	4.02E+01	1000	1400	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Pyrene	3.90E-01	0.32		2600	16000	ug/kg DW	<1	<1
EPA Site Inspection	DR104	8/18/1998	Pyrene	3.60E-01	1.84	1.96E+01	1000	1400	mg/kg OC	<1	<1
EPA Site Inspection	DR095	8/20/1998	Pyrene	3.10E-01	0.61	5.08E+01	1000	1400	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Pyrene	3.10E-01	2.39	1.30E+01	1000	1400	mg/kg OC	<1	<1
EPA Site Inspection	DR104	8/18/1998	Pyrene	2.40E-01	1.84	1.30E+01	1000	1400	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Pyrene	2.30E-01	1.66	1.39E+01	1000	1400	mg/kg OC	<1	<1
EPA Site Inspection	DR098	8/20/1998	Pyrene	2.10E-01	0.972	2.16E+01	1000	1400	mg/kg OC	<1	<1
EPA Site Inspection	DR165	8/13/1998	Pyrene	1.90E-01	2.36	8.05E+00	1000	1400	mg/kg OC	<1	<1
EPA Site Inspection	DR166	8/13/1998	Pyrene	1.90E-01	1.47	1.29E+01	1000	1400	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Pyrene	1.80E-01	2.44	7.38E+00	1000	1400	mg/kg OC	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Pyrene	1.60E-01	0.47		2600	16000	ug/kg DW	<1	<1
EPA Site Inspection	DR101	8/20/1998	Pyrene	1.40E-01	1.59	8.81E+00	1000	1400	mg/kg OC	<1	<1
EPA Site Inspection	DR103	8/18/1998	Pyrene	5.40E-02 J	1.78	3.03E+00	1000	1400	mg/kg OC	<1	<1
EPA Site Inspection	DR098	8/20/1998	Pyrene	2.80E-02	0.62	4.52E+00	1000	1400	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Retene	2.67E-01	1.33	2.01E+01					
EPA Site Inspection	DR096	9/2/1998	Selenium	2.40E+01	1.95						
EPA Site Inspection	DR165	8/13/1998	Selenium	7.00E+00	2.36						
EPA Site Inspection	DR166	8/13/1998	Selenium	7.00E+00	1.47						
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Selenium	7.00E+00	2.82						
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Selenium	7.00E+00	2.84						
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Selenium	6.00E+00 J	2.63						
EPA Site Inspection	DR097	8/20/1998	Selenium	5.00E+00	2.99						

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
EPA Site Inspection	DR102	8/20/1998	Selenium	5.00E+00	1.73						
EPA Site Inspection	DR104	8/18/1998	Selenium	5.00E+00	1.84						
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Selenium	5.00E+00	2.17						
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Selenium	5.00E+00	2.71						
Duwamish Waterway Sediment Characterization Study	EST198	11/13/1997	Selenium	4.00E+00	2.15						
EPA Site Inspection	DR095	8/20/1998	Selenium	3.00E+00	0.61						
EPA Site Inspection	DR100	8/20/1998	Selenium	3.00E+00	1.02						
EPA Site Inspection	DR101	8/20/1998	Selenium	2.00E+00	1.66						
LDW RI Phase 2 Round 1	C5	8/27/2004	Selenium	3.00E-01 J	0.32						
EPA Site Inspection	DR147	9/2/1998	Silver	1.00E+00	2.02		6.1	6.1	mg/kg DW	<1	<1
EPA Site Inspection	DR103	8/18/1998	Silver	6.00E-01 J	1.78		6.1	6.1	mg/kg DW	<1	<1
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Silver	4.80E-01 J	2.71		6.1	6.1	mg/kg DW	<1	<1
EPA Site Inspection	DR100	8/20/1998	Silver	4.50E-01	1.02		6.1	6.1	mg/kg DW	<1	<1
EPA Site Inspection	DR102	8/20/1998	Silver	4.30E-01	1.73		6.1	6.1	mg/kg DW	<1	<1
EPA Site Inspection	DR097	8/20/1998	Silver	4.10E-01	2.99		6.1	6.1	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS69b	3/16/2005	Silver	4.10E-01	2.82		6.1	6.1	mg/kg DW	<1	<1
EPA Site Inspection	DR104	8/18/1998	Silver	4.00E-01 J	1.84		6.1	6.1	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Silver	3.90E-01	2.84		6.1	6.1	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Silver	3.70E-01	2.17		6.1	6.1	mg/kg DW	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Silver	3.60E-01	1.33		6.1	6.1	mg/kg DW	<1	<1
Duwamish Waterway Sediment Characterization Study	EST199	10/7/1997	Silver	3.60E-01	2.15		6.1	6.1	mg/kg DW	<1	<1
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Silver	3.50E-01	2.63		6.1	6.1	mg/kg DW	<1	<1
EPA Site Inspection	DR095	8/20/1998	Silver	3.30E-01	0.61		6.1	6.1	mg/kg DW	<1	<1
EPA Site Inspection	DR165	8/13/1998	Silver	3.30E-01	2.36		6.1	6.1	mg/kg DW	<1	<1
EPA Site Inspection	DR096	9/2/1998	Silver	3.20E-01	1.95		6.1	6.1	mg/kg DW	<1	<1
EPA Site Inspection	DR104	8/18/1998	Silver	3.20E-01	1.84		6.1	6.1	mg/kg DW	<1	<1
EPA Site Inspection	DR166	8/13/1998	Silver	2.70E-01	1.47		6.1	6.1	mg/kg DW	<1	<1
EPA Site Inspection	DR101	8/20/1998	Silver	1.80E-01	1.66		6.1	6.1	mg/kg DW	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Silver	8.00E-02	0.47		NA	NA	mg/kg DW	NA	NA
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Silver	7.70E-02	0.32		NA	NA	mg/kg DW	NA	NA
Puget Sound Sediment Sampling	205	6/23/1998	Thallium	2.70E-01	1.33						
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Thallium	1.40E-01	2.71						
EPA Site Inspection	DR102	8/20/1998	Thallium	1.30E-01	1.73						
EPA Site Inspection	DR104	8/18/1998	Thallium	1.30E-01	1.84						
EPA Site Inspection	DR097	8/20/1998	Thallium	1.20E-01	2.99						
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Thallium	1.20E-01	2.17						
EPA Site Inspection	DR096	9/2/1998	Thallium	1.10E-01	1.95						
EPA Site Inspection	DR100	8/20/1998	Thallium	1.10E-01	1.02						
EPA Site Inspection	DR165	8/13/1998	Thallium	1.10E-01	2.36						
EPA Site Inspection	DR166	8/13/1998	Thallium	1.10E-01	1.47						
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Thallium	1.10E-01	2.82						
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Thallium	1.10E-01	2.84						
Duwamish Waterway Sediment Characterization Study	EST199	10/7/1997	Thallium	1.00E-01	2.15						
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Thallium	1.00E-01 J	2.63						
EPA Site Inspection	DR095	8/20/1998	Thallium	5.00E-02	0.61						

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
EPA Site Inspection	DR101	8/20/1998	Thallium	5.00E-02	1.66						
LDW RI Phase 2 Round 1	C5	8/27/2004	Thallium	4.40E-02	0.32						
EPA Site Inspection	DR096	9/2/1998	Tin	6.00E+00	1.95						
EPA Site Inspection	DR097	8/20/1998	Tin	6.00E+00	2.99						
EPA Site Inspection	DR100	8/20/1998	Tin	6.00E+00	1.02						
Puget Sound Sediment Sampling	205	6/23/1998	Tin	5.00E+00 J	1.33						
Duwamish Waterway Sediment Characterization Study	EST200	10/6/1997	Tin	5.00E+00	2.15						
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Tin	5.00E+00	2.63						
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Tin	4.00E+00	2.17						
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Tin	4.00E+00 J	2.82						
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Tin	4.00E+00 J	2.84						
EPA Site Inspection	DR101	8/20/1998	Tin	3.00E+00	1.66						
EPA Site Inspection	DR102	8/20/1998	Tin	3.00E+00	1.73						
EPA Site Inspection	DR104	8/18/1998	Tin	3.00E+00	1.84						
LDW RI Phase 2 Round 1	C5	8/27/2004	Total Chlordane (calc'd)	1.20E-03 JN	0.32	3.75E-01					
EPA Site Inspection	DR097	8/20/1998	Total HPAH (calc'd)	1.05E+01	2.99	3.51E+02	960	5300	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Total HPAH (calc'd)	1.03E+01 J	1.33	7.76E+02	960	5300	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	Total HPAH (calc'd)	5.40E+00 J	2.02	2.67E+02	960	5300	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Total HPAH (calc'd)	4.60E+00	2.61	1.76E+02	960	5300	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Total HPAH (calc'd)	4.30E+00	2.71	1.59E+02	960	5300	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Total HPAH (calc'd)	4.10E+00	2.82	1.45E+02	960	5300	mg/kg OC	<1	<1
Duwamish Waterway Sediment Characterization Study	EST200	10/6/1997	Total HPAH (calc'd)	3.96E+00	2.15	1.84E+02	960	5300	mg/kg OC	<1	<1
EPA Site Inspection	DR102	8/20/1998	Total HPAH (calc'd)	3.50E+00 J	1.73	2.02E+02	960	5300	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Total HPAH (calc'd)	3.38E+00	2.84	1.19E+02	960	5300	mg/kg OC	<1	<1
EPA Site Inspection	DR096	9/2/1998	Total HPAH (calc'd)	3.08E+00	1.95	1.58E+02	960	5300	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Total HPAH (calc'd)	2.95E+00	2.63	1.12E+02	960	5300	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Total HPAH (calc'd)	2.83E+00	0.32		12000	69000	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Total HPAH (calc'd)	2.59E+00	2.17	1.19E+02	960	5300	mg/kg OC	<1	<1
EPA Site Inspection	DR100	8/20/1998	Total HPAH (calc'd)	2.10E+00	1.02	2.06E+02	960	5300	mg/kg OC	<1	<1
EPA Site Inspection	DR095	8/20/1998	Total HPAH (calc'd)	2.09E+00	0.61	3.43E+02	960	5300	mg/kg OC	<1	<1
EPA Site Inspection	DR104	8/18/1998	Total HPAH (calc'd)	1.91E+00	1.84	1.04E+02	960	5300	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Total HPAH (calc'd)	1.70E+00	2.39	7.11E+01	960	5300	mg/kg OC	<1	<1
EPA Site Inspection	DR146	8/19/1998	Total HPAH (calc'd)	1.36E+00	1.84	7.39E+01	960	5300	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Total HPAH (calc'd)	1.32E+00	1.66	7.95E+01	960	5300	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Total HPAH (calc'd)	1.25E+00	2.44	5.12E+01	960	5300	mg/kg OC	<1	<1
EPA Site Inspection	DR099	8/20/1998	Total HPAH (calc'd)	1.09E+00 J	0.972	1.12E+02	960	5300	mg/kg OC	<1	<1
EPA Site Inspection	DR165	8/13/1998	Total HPAH (calc'd)	1.00E+00	2.36	4.24E+01	960	5300	mg/kg OC	<1	<1
EPA Site Inspection	DR166	8/13/1998	Total HPAH (calc'd)	9.70E-01	1.47	6.60E+01	960	5300	mg/kg OC	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Total HPAH (calc'd)	9.20E-01 J	0.47		12000	69000	mg/kg DW	<1	<1
EPA Site Inspection	DR101	8/20/1998	Total HPAH (calc'd)	6.80E-01 J	1.59	4.28E+01	960	5300	mg/kg OC	<1	<1
EPA Site Inspection	DR098	8/20/1998	Total HPAH (calc'd)	1.60E-01	0.62	2.58E+01	960	5300	mg/kg OC	<1	<1
EPA Site Inspection	DR103	8/18/1998	Total HPAH (calc'd)	1.54E-01 J	1.78	8.65E+00	960	5300	mg/kg OC	<1	<1
EPA Site Inspection	DR102	8/20/1998	Total HpCDD	1.80E-04	1.73	1.04E-02					
EPA Site Inspection	DR102	8/20/1998	Total HpCDF	4.10E-05	1.73	2.37E-03					
EPA Site Inspection	DR102	8/20/1998	Total HxCDD	1.80E-05	1.73	1.04E-03					

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
EPA Site Inspection	DR102	8/20/1998	Total HxCDF	1.50E-05	1.73	8.67E-04					
EPA Site Inspection	DR097	8/20/1998	Total LPAH (calc'd)	3.33E+00	2.99	1.11E+02	370	780	mg/kg OC	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Total LPAH (calc'd)	1.35E+00	1.33	1.02E+02	370	780	mg/kg OC	<1	<1
EPA Site Inspection	DR102	8/20/1998	Total LPAH (calc'd)	1.23E+00 J	1.73	7.11E+01	370	780	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Total LPAH (calc'd)	6.10E-01 J	2.61	2.34E+01	370	780	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Total LPAH (calc'd)	4.60E-01	2.71	1.70E+01	370	780	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Total LPAH (calc'd)	4.60E-01	2.82	1.63E+01	370	780	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Total LPAH (calc'd)	3.90E-01	0.32		5200	13000	mg/kg DW	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Total LPAH (calc'd)	3.40E-01	2.15	1.58E+01	370	780	mg/kg OC	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Total LPAH (calc'd)	3.30E-01	2.84	1.16E+01	370	780	mg/kg OC	<1	<1
EPA Site Inspection	DR147	9/2/1998	Total LPAH (calc'd)	3.10E-01 J	2.02	1.53E+01	370	780	mg/kg OC	<1	<1
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Total LPAH (calc'd)	2.80E-01	2.63	1.06E+01	370	780	mg/kg OC	<1	<1
EPA Site Inspection	DR100	8/20/1998	Total LPAH (calc'd)	2.70E-01	1.02	2.65E+01	370	780	mg/kg OC	<1	<1
EPA Site Inspection	DR095	8/20/1998	Total LPAH (calc'd)	2.60E-01	0.61	4.26E+01	370	780	mg/kg OC	<1	<1
EPA Site Inspection	DR096	9/2/1998	Total LPAH (calc'd)	2.50E-01	1.95	1.28E+01	370	780	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Total LPAH (calc'd)	2.50E-01 J	2.39	1.05E+01	370	780	mg/kg OC	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Total LPAH (calc'd)	2.26E-01 J	0.47		5200	13000	mg/kg DW	<1	<1
EPA Site Inspection	DR101	8/20/1998	Total LPAH (calc'd)	2.10E-01	1.66	1.27E+01	370	780	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Total LPAH (calc'd)	2.10E-01	2.17	9.68E+00	370	780	mg/kg OC	<1	<1
EPA Site Inspection	DR146	8/19/1998	Total LPAH (calc'd)	1.50E-01	1.84	8.15E+00	370	780	mg/kg OC	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Total LPAH (calc'd)	1.18E-01	2.44	4.84E+00	370	780	mg/kg OC	<1	<1
EPA Site Inspection	DR146	8/19/1998	Total LPAH (calc'd)	1.17E-01 J	1.84	6.36E+00	370	780	mg/kg OC	<1	<1
EPA Site Inspection	DR165	8/13/1998	Total LPAH (calc'd)	1.10E-01	2.36	4.66E+00	370	780	mg/kg OC	<1	<1
EPA Site Inspection	DR099	8/20/1998	Total LPAH (calc'd)	1.08E-01 J	0.972	1.11E+01	370	780	mg/kg OC	<1	<1
EPA Site Inspection	DR103	8/18/1998	Total LPAH (calc'd)	7.80E-02 J	1.78	4.38E+00	370	780	mg/kg OC	<1	<1
EPA Site Inspection	DR166	8/13/1998	Total LPAH (calc'd)	6.00E-02	1.47	4.08E+00	370	780	mg/kg OC	<1	<1
EPA Site Inspection	DR101	8/20/1998	Total LPAH (calc'd)	3.90E-02 J	1.59	2.45E+00	370	780	mg/kg OC	<1	<1
EPA Site Inspection	DR097	8/20/1998	Total PAH (calc'd)	1.38E+01	2.99	4.62E+02					
Puget Sound Sediment Sampling	205	6/23/1998	Total PAH (calc'd)	1.17E+01 J	1.33	8.77E+02					
EPA Site Inspection	DR096	9/2/1998	Total PAH (calc'd)	3.33E+00	1.95	1.71E+02					
EPA Site Inspection	DR165	8/13/1998	Total PAH (calc'd)	1.11E+00	2.36	4.70E+01					
EPA Site Inspection	DR166	8/13/1998	Total PAH (calc'd)	1.03E+00	1.47	7.01E+01					
EPA Site Inspection	DR102	8/20/1998	Total PeCDF	1.60E-05	1.73	9.25E-04					
EPA Site Inspection	DR102	8/20/1998	Total TCDD	5.30E-06	1.73	3.06E-04					
EPA Site Inspection	DR102	8/20/1998	Total TCDF	2.40E-05	1.73	1.39E-03					
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Tributyltin as ion	8.10E-02	2.71	2.99E+00					
Puget Sound Sediment Sampling	205	6/23/1998	Tributyltin as ion	5.50E-02	1.33	4.14E+00					
EPA Site Inspection	DR102	8/20/1998	Tributyltin as ion	4.20E-02 J	1.73	2.43E+00					
EPA Site Inspection	DR096	9/2/1998	Tributyltin as ion	3.90E-02 J	1.95	2.00E+00					
EPA Site Inspection	DR166	8/13/1998	Tributyltin as ion	2.80E-02	1.47	1.90E+00					
LDW RI Phase 2 Round 1	C5	8/27/2004	Tributyltin as ion	6.50E-03	0.32	2.03E+00					
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Vanadium	7.32E+01	2.61						
EPA Site Inspection	DR146	8/19/1998	Vanadium	7.20E+01	1.84						
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Vanadium	7.00E+01	2.71						
EPA Site Inspection	DR096	9/2/1998	Vanadium	6.90E+01	1.95						

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
EPA Site Inspection	DR103	8/18/1998	Vanadium	6.80E+01	1.78						
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Vanadium	6.60E+01	2.82						
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Vanadium	6.30E+01	2.63						
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Vanadium	6.20E+01	2.84						
EPA Site Inspection	DR102	8/20/1998	Vanadium	5.90E+01	1.73						
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Vanadium	5.90E+01	2.17						
EPA Site Inspection	DR097	8/20/1998	Vanadium	5.70E+01	2.99						
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Vanadium	5.70E+01	2.44						
Puget Sound Sediment Sampling	205	6/23/1998	Vanadium	5.67E+01	1.33						
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Vanadium	5.60E+01	2.15						
EPA Site Inspection	DR165	8/13/1998	Vanadium	5.40E+01	2.36						
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Vanadium	4.81E+01	2.39						
EPA Site Inspection	DR147	9/2/1998	Vanadium	4.65E+01	2.02						
EPA Site Inspection	DR146	8/19/1998	Vanadium	4.62E+01	1.84						
EPA Site Inspection	DR100	8/20/1998	Vanadium	4.40E+01	1.02						
LDW RI Phase 2 Round 1	C5	8/27/2004	Vanadium	4.15E+01	0.32						
EPA Site Inspection	DR101	8/20/1998	Vanadium	4.11E+01	1.59						
EPA Site Inspection	DR098	8/20/1998	Vanadium	4.06E+01	0.62						
EPA Site Inspection	DR166	8/13/1998	Vanadium	4.00E+01	1.47						
EPA Site Inspection	DR099	8/20/1998	Vanadium	3.90E+01	0.972						
EPA Site Inspection	DR101	8/20/1998	Vanadium	3.30E+01	1.66						
EPA Site Inspection	DR095	8/20/1998	Vanadium	2.90E+01	0.61						
LDW RI Phase 2 Round 1	LDW-SS67	1/21/2005	Zinc	1.68E+02	2.71		410	960	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Zinc	1.63E+02	2.61		410	960	mg/kg DW	<1	<1
EPA Site Inspection	DR146	8/19/1998	Zinc	1.43E+02	1.84		410	960	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Zinc	1.38E+02	2.82		410	960	mg/kg DW	<1	<1
EPA Site Inspection	DR096	9/2/1998	Zinc	1.34E+02	1.95		410	960	mg/kg DW	<1	<1
EPA Site Inspection	DR097	8/20/1998	Zinc	1.34E+02	2.99		410	960	mg/kg DW	<1	<1
James Hardie Outfall and Nearshore Sediment Sampli	JHGSA-SD1-COMP27-00	7/3/2000	Zinc	1.32E+02	2.15		410	960	mg/kg DW	<1	<1
LDW RI Phase 2 Round 2	LDW-SS71	3/15/2005	Zinc	1.30E+02	2.84		410	960	mg/kg DW	<1	<1
LDW RI Phase 2 Round 1	LDW-SS63	1/21/2005	Zinc	1.22E+02	2.63		410	960	mg/kg DW	<1	<1
EPA Site Inspection	DR146	8/19/1998	Zinc	1.13E+02	1.84		410	960	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS327	10/2/2006	Zinc	1.11E+02	2.17		410	960	mg/kg DW	<1	<1
EPA Site Inspection	DR147	9/2/1998	Zinc	1.10E+02	2.02		410	960	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS329	10/2/2006	Zinc	1.01E+02	2.44		410	960	mg/kg DW	<1	<1
LDW RI Phase 2 Round 3	LDW-SS328	10/2/2006	Zinc	9.30E+01	2.39		410	960	mg/kg DW	<1	<1
EPA Site Inspection	DR094 [a]	8/20/1998	Zinc	9.09E+01 J	0.47		1600	410	mg/kg DW	<1	<1
EPA Site Inspection	DR103	8/18/1998	Zinc	8.80E+01	1.78		410	960	mg/kg DW	<1	<1
EPA Site Inspection	DR100	8/20/1998	Zinc	8.60E+01	1.02		410	960	mg/kg DW	<1	<1
EPA Site Inspection	DR166	8/13/1998	Zinc	8.60E+01	1.47		410	960	mg/kg DW	<1	<1
EPA Site Inspection	DR102	8/20/1998	Zinc	8.50E+01	1.73		410	960	mg/kg DW	<1	<1
Puget Sound Sediment Sampling	205	6/23/1998	Zinc	8.25E+01	1.33		410	960	mg/kg DW	<1	<1
EPA Site Inspection	DR165	8/13/1998	Zinc	8.00E+01	2.36		410	960	mg/kg DW	<1	<1

Table A-1
Chemicals Detected in Surface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
EPA Site Inspection	DR101	8/20/1998	Zinc	7.70E+01	1.66		410	960	mg/kg DW	<1	<1
EPA Site Inspection	DR099	8/20/1998	Zinc	7.50E+01	0.972		410	960	mg/kg DW	<1	<1
EPA Site Inspection	DR101	8/20/1998	Zinc	7.40E+01	1.59		410	960	mg/kg DW	<1	<1
LDW RI Phase 2 Round 1	C5 [a]	8/27/2004	Zinc	7.04E+01 J	0.32		1600	410	mg/kg DW	<1	<1
EPA Site Inspection	DR095	8/20/1998	Zinc	5.10E+01	0.61		410	960	mg/kg DW	<1	<1
EPA Site Inspection	DR098	8/20/1998	Zinc	4.10E+01	0.62		410	960	mg/kg DW	<1	<1

Table presents detected chemicals only. Sampling events are listed in Table 1.
Exceedance factors are the ratio of the detected concentrations to the CSL or SQS; exceedance factors are shown only if they are greater than 1.

mg/kg - Milligram per kilogram
ug/kg - Microgram per kilogram
DW - Dry weight
TOC - Total Organic Carbon
OC - Organic carbon normalized
SQS - SMS Sediment Quality Standard
CSL - SMS Cleanup Screening Level
PAH - Polycyclic aromatic hydrocarbon
Total HPAH - Total high molecular weight PAH
Total LPAH - Total low molecular weight PAH
PCB - Polychlorinated biphenyl
J - Estimated value between the method detection limit and the laboratory reporting limit
SMS - Sediment Management Standard (Washington Administrative Code 173-204)
JN - Estimated value between the method detection limit and laboratory reporting limit; tentative identification, the analyte exhibits low spectral match
NA - Not Applicable

[a] Due to the high TOC in this sample, results were compared to the Lowest Apparent Effects Threshold (LAET) value rather than the SQS and/or CSL (Ecology 1996e). In most cases the Benthic LAET value replaced the CSL value and the Microtox LAET value replaced the SQS value. In some cases one or the other of these values was not available and therefore was not reported in the table.

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	1,2,4-Trichlorobenzene	6.50E-03 J	3.34	1.95E-01	0.81	1.8	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	1,2,4-Trichlorobenzene	6.00E-03 J	1.88	3.19E-01	0.81	1.8	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	1,2,4-Trichlorobenzene	4.20E-03 J	1.16	3.62E-01	0.81	1.8	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	1,2,4-Trichlorobenzene	4.10E-03 J	1.47	2.79E-01	0.81	1.8	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	1,4-Dichlorobenzene	5.90E-03 J	2.1	2.81E-01	3.1	9	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	1,4-Dichlorobenzene	3.90E-03 J	2.13	1.83E-01	3.1	9	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	1,4-Dichlorobenzene	3.50E-03 J	2.52	1.39E-01	3.1	9	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	1-Methylnaphthalene	1.60E-01	1.16	1.38E+01					
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	1-Methylnaphthalene	1.10E-01	2.13	5.16E+00					
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	1-Methylnaphthalene	8.70E-02	1.47	5.92E+00					
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	1-Methylnaphthalene	7.60E-02	2.1	3.62E+00					
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	2,4-Dimethylphenol	1.10E-02 J	1.47	7.48E-01	29	29	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	2,4-Dimethylphenol	6.50E-03 J	2.13	3.05E-01	29	29	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	8 - 10	2,4-Dimethylphenol	5.50E-03 J	1.53	3.59E-01	29	29	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	8 - 10	2,4-Dimethylphenol	3.70E-03 J	1.55	2.39E-01	29	29	mg/kg OC	<1	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	2-Methylnaphthalene	1.60E-01	1.9	8.42E+00	38	64	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	2-Methylnaphthalene	8.80E-02	1.47	5.99E+00	38	64	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	2-Methylnaphthalene	8.60E-02	1.16	7.41E+00	38	64	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	2-Methylnaphthalene	8.20E-02	2.13	3.85E+00	38	64	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	2-Methylnaphthalene	6.30E-02 J	2.1	3.00E+00	38	64	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	2-Methylnaphthalene	2.40E-02	2.4	1.00E+00	38	64	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	4,4'-DDE	4.50E-03	1.8	2.50E-01					
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	4,4'-DDE	3.90E-03	1.8	2.17E-01					
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Acenaphthene	1.40E+00	1.16	1.21E+02	16	57	mg/kg OC	7.5	2.1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Acenaphthene	1.00E+00	2.1	4.76E+01	16	57	mg/kg OC	3.0	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Acenaphthene	7.10E-01	2.13	3.33E+01	16	57	mg/kg OC	2.1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Acenaphthene	3.00E-01	1.47	2.04E+01	16	57	mg/kg OC	1.3	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Acenaphthene	2.30E-01	1.9	1.21E+01	16	57	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Acenaphthene	2.00E-01	3.34	5.99E+00	16	57	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Acenaphthene	6.60E-02 J	1.62	4.07E+00	16	57	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Acenaphthene	4.80E-02	1.9	2.53E+00	16	57	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Acenaphthene	2.10E-02	1.33	1.58E+00	16	57	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Acenaphthene	2.00E-02	2.34	8.55E-01	16	57	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Acenaphthene	2.00E-02	1.9	1.05E+00	16	57	mg/kg OC	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Acenaphthene	1.80E-02 J	1.5	1.20E+00	16	57	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Acenaphthene	1.20E-02 J	1.88	6.38E-01	16	57	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Acenaphthylene	1.20E-02 J	1.88	6.38E-01	66	66	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Aluminum	2.20E+04	1.82						
EPA Site Inspection	DR101	9/21/1998	2 - 4	Aluminum	2.20E+04	2.34						
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Anthracene	4.90E-01	2.13	2.30E+01	220	1200	mg/kg OC	<1	<1

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Anthracene	4.40E-01	1.9	2.32E+01	220	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Anthracene	4.20E-01	2.1	2.00E+01	220	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Anthracene	3.60E-01	1.16	3.10E+01	220	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Anthracene	2.10E-01	3.34	6.29E+00	220	1200	mg/kg OC	<1	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Anthracene	2.00E-01	1.9	1.05E+01	220	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Anthracene	1.10E-01 J	1.62	6.79E+00	220	1200	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Anthracene	1.00E-01	2.4	4.17E+00	220	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Anthracene	8.40E-02	1.47	5.71E+00	220	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Anthracene	7.10E-02	2.52	2.82E+00	220	1200	mg/kg OC	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Anthracene	6.00E-02	1.9	3.16E+00	220	1200	mg/kg OC	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Anthracene	5.60E-02	1.9	2.95E+00	220	1200	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Anthracene	5.50E-02	1.9	2.89E+00	220	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Anthracene	4.80E-02 J	2.18	2.20E+00	220	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	8 - 10	Anthracene	4.80E-02 J	1.53	3.14E+00	220	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Anthracene	4.70E-02	1.88	2.50E+00	220	1200	mg/kg OC	<1	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Anthracene	4.60E-02	2	2.30E+00	220	1200	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Anthracene	4.40E-02	1.8	2.44E+00	220	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Anthracene	4.20E-02 J	1.81	2.32E+00	220	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	8 - 10	Anthracene	4.00E-02 J	1.55	2.58E+00	220	1200	mg/kg OC	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Anthracene	3.80E-02	1.5	2.53E+00	220	1200	mg/kg OC	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Anthracene	3.20E-02	2.1	1.52E+00	220	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Anthracene	3.20E-02	1.33	2.41E+00	220	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Anthracene	3.00E-02	1.82	1.65E+00	220	1200	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Anthracene	2.90E-02	2.3	1.26E+00	220	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Anthracene	2.00E-02	2.34	8.55E-01	220	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Antimony	1.30E+01 J	3.34						
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Antimony	5.40E+00	1.8						
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Antimony	4.30E+00	1.8						
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Antimony	1.20E+00	2.1						
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Antimony	1.20E+00	2						
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Antimony	9.00E-01	1.9						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	1 - 1.5	Aroclor-1242	2.40E+00	2.53						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Aroclor-1242	1.50E+00	3.34						
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Aroclor-1242	5.90E-01	1.8						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0.5 - 1	Aroclor-1242	3.90E-01	2.14						
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Aroclor-1242	3.30E-01	1.88						
Hardie Gypsum Round 2	E	7/15/1999	0 - 3	Aroclor-1242	2.90E-01	1.5						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 0.5	Aroclor-1242	1.80E-01	1.76						
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Aroclor-1242	1.00E-01	2						
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Aroclor-1242	9.20E-02	2.1						

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Aroclor-1242	8.00E-02	1.5						
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Aroclor-1242	7.40E-02 J	1.33						
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Aroclor-1242	6.30E-02	1.9						
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Aroclor-1242	5.10E-02	1.9						
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Aroclor-1242	4.70E-02	2.4						
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Aroclor-1242	4.40E-02	1.9						
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Aroclor-1248	8.30E-01	1.47						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	1.5 - 2	Aroclor-1248	7.40E-01	2.42						
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Aroclor-1248	5.40E-01	1.16						
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Aroclor-1248	4.30E-01	1.81						
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Aroclor-1248	1.00E-01	2.18						
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Aroclor-1248	6.90E-02	2.52						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	1 - 1.5	Aroclor-1254	1.40E+00	2.53						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	1.5 - 2	Aroclor-1254	1.00E+00	2.42						
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Aroclor-1254	9.50E-01	1.47						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Aroclor-1254	8.60E-01	3.34						
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Aroclor-1254	8.50E-01	1.16						
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Aroclor-1254	6.80E-01	2.4						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2.5 - 3	Aroclor-1254	5.30E-01	1.98						
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Aroclor-1254	5.10E-01	1.88						
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Aroclor-1254	4.20E-01	1.8						
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Aroclor-1254	3.80E-01	1.81						
Hardie Gypsum Round 2	E	7/15/1999	0 - 3	Aroclor-1254	3.00E-01	1.5						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0.5 - 1	Aroclor-1254	2.40E-01	2.14						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Aroclor-1254	2.40E-01	1.62						
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Aroclor-1254	2.40E-01	2.3						
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Aroclor-1254	2.20E-01	1.5						
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Aroclor-1254	2.20E-01 J	1.33						
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Aroclor-1254	2.00E-01	2						
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Aroclor-1254	2.00E-01	1.9						
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Aroclor-1254	1.60E-01	2.52						
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Aroclor-1254	1.50E-01	2.1						
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Aroclor-1254	1.50E-01	1.8						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Aroclor-1254	1.50E-01	2.1						
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Aroclor-1254	1.40E-01	1.8						
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Aroclor-1254	1.40E-01	2.18						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 0.5	Aroclor-1254	1.40E-01	1.76						
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Aroclor-1254	1.30E-01	1.9						
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Aroclor-1254	1.20E-01	2.4						
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Aroclor-1254	1.20E-01	2.13						

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 2.5	Aroclor-1254	1.20E-01	1.35						
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Aroclor-1254	9.50E-02	1.5						
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Aroclor-1254	8.80E-02	1.9						
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Aroclor-1254	8.10E-02	1.9						
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Aroclor-1254	7.90E-02	1.9						
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	2.8 - 4	Aroclor-1254	2.70E-03 J	0.11						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	1 - 1.5	Aroclor-1260	8.50E-01	2.53						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	1.5 - 2	Aroclor-1260	7.90E-01 J	2.42						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Aroclor-1260	7.60E-01	3.34						
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Aroclor-1260	6.70E-01	1.47						
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Aroclor-1260	6.10E-01	1.88						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2.5 - 3	Aroclor-1260	4.10E-01	1.98						
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Aroclor-1260	3.30E-01	1.16						
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Aroclor-1260	2.40E-01 J	1.33						
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Aroclor-1260	2.20E-01	2.13						
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Aroclor-1260	2.00E-01	1.81						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Aroclor-1260	1.80E-01	1.62						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 0.5	Aroclor-1260	1.70E-01	1.76						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0.5 - 1	Aroclor-1260	1.60E-01	2.14						
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Aroclor-1260	1.40E-01	2.52						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Aroclor-1260	1.30E-01	2.1						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 2.5	Aroclor-1260	9.40E-02	1.35						
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Aroclor-1260	8.80E-02	2.18						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Arsenic	5.60E+01	3.34		57	93	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Arsenic	4.00E+01	1.16		57	93	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Arsenic	3.00E+01	1.47		57	93	mg/kg DW	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Arsenic	2.30E+01	1.8		57	93	mg/kg DW	<1	<1
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Arsenic	2.20E+01	1.8		57	93	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Arsenic	2.00E+01	2.52		57	93	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Arsenic	2.00E+01	1.81		57	93	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Arsenic	1.90E+01	1.88		57	93	mg/kg DW	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Arsenic	1.70E+01	1.9		57	93	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Arsenic	1.70E+01	2.18		57	93	mg/kg DW	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Arsenic	1.60E+01	1.8		57	93	mg/kg DW	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Arsenic	1.50E+01	1.9		57	93	mg/kg DW	<1	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Arsenic	1.50E+01	1.9		57	93	mg/kg DW	<1	<1
Hardie Gypsum Round 2	E	7/15/1999	0 - 3	Arsenic	1.50E+01	1.5		57	93	mg/kg DW	<1	<1
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Arsenic	1.40E+01	1.5		57	93	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Arsenic	1.40E+01	2.1		57	93	mg/kg DW	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Arsenic	1.30E+01	2.1		57	93	mg/kg DW	<1	<1

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Arsenic	1.30E+01	2		57	93	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Arsenic	1.30E+01	1.33		57	93	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Arsenic	1.30E+01	1.62		57	93	mg/kg DW	<1	<1
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Arsenic	1.10E+01	2.4		57	93	mg/kg DW	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Arsenic	1.00E+01	1.82		57	93	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Arsenic	1.00E+01	2.4		57	93	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Arsenic	1.00E+01	1.9		57	93	mg/kg DW	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Arsenic	8.00E+00	2.34		57	93	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Arsenic	8.00E+00	1.9		57	93	mg/kg DW	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Arsenic	7.00E+00	1.5		57	93	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Arsenic	7.00E+00	2.3		57	93	mg/kg DW	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Barium	7.60E+01	2.34						
EPA Site Inspection	DR101	9/21/1998	0 - 2	Barium	6.40E+01	1.82						
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Benzo(a)anthracene	9.90E-01	1.16	8.53E+01	110	270	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Benzo(a)anthracene	7.80E-01	2.13	3.66E+01	110	270	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Benzo(a)anthracene	6.10E-01	2.1	2.90E+01	110	270	mg/kg OC	<1	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Benzo(a)anthracene	5.40E-01	1.9	2.84E+01	110	270	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Benzo(a)anthracene	3.40E-01	1.9	1.79E+01	110	270	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Benzo(a)anthracene	2.60E-01	3.34	7.78E+00	110	270	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Benzo(a)anthracene	2.40E-01	2.52	9.52E+00	110	270	mg/kg OC	<1	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Benzo(a)anthracene	1.80E-01	2	9.00E+00	110	270	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Benzo(a)anthracene	1.80E-01	1.8	1.00E+01	110	270	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Benzo(a)anthracene	1.70E-01	1.9	8.95E+00	110	270	mg/kg OC	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Benzo(a)anthracene	1.60E-01	2.1	7.62E+00	110	270	mg/kg OC	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Benzo(a)anthracene	1.60E-01	1.9	8.42E+00	110	270	mg/kg OC	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Benzo(a)anthracene	1.50E-01	1.9	7.89E+00	110	270	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Benzo(a)anthracene	1.50E-01	2.18	6.88E+00	110	270	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Benzo(a)anthracene	1.50E-01	1.47	1.02E+01	110	270	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Benzo(a)anthracene	1.50E-01 J	1.62	9.26E+00	110	270	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Benzo(a)anthracene	1.40E-01	1.88	7.45E+00	110	270	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Benzo(a)anthracene	1.20E-01	1.81	6.63E+00	110	270	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Benzo(a)anthracene	1.10E-01	1.8	6.11E+00	110	270	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Benzo(a)anthracene	1.00E-01	2.3	4.35E+00	110	270	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	8 - 10	Benzo(a)anthracene	9.50E-02	1.53	6.21E+00	110	270	mg/kg OC	<1	<1
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Benzo(a)anthracene	9.40E-02	1.5	6.27E+00	110	270	mg/kg OC	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Benzo(a)anthracene	9.20E-02	1.5	6.13E+00	110	270	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	8 - 10	Benzo(a)anthracene	8.40E-02	1.55	5.42E+00	110	270	mg/kg OC	<1	<1
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Benzo(a)anthracene	8.20E-02	2.4	3.42E+00	110	270	mg/kg OC	<1	<1
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Benzo(a)anthracene	7.00E-02	1.8	3.89E+00	110	270	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Benzo(a)anthracene	5.20E-02	2.4	2.17E+00	110	270	mg/kg OC	<1	<1

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
EPA Site Inspection	DR101	9/21/1998	0 - 2	Benzo(a)anthracene	5.00E-02	1.82	2.75E+00	110	270	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Benzo(a)anthracene	4.80E-02	1.33	3.61E+00	110	270	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Benzo(a)anthracene	3.00E-02	2.34	1.28E+00	110	270	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Benzo(a)pyrene	5.00E-01	2.13	2.35E+01	99	210	mg/kg OC	<1	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Benzo(a)pyrene	4.60E-01	1.9	2.42E+01	99	210	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Benzo(a)pyrene	4.00E-01	1.16	3.45E+01	99	210	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Benzo(a)pyrene	2.70E-01	2.1	1.29E+01	99	210	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Benzo(a)pyrene	2.30E-01	3.34	6.89E+00	99	210	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Benzo(a)pyrene	2.20E-01	1.8	1.22E+01	99	210	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Benzo(a)pyrene	2.20E-01	2.52	8.73E+00	99	210	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Benzo(a)pyrene	2.00E-01	1.88	1.06E+01	99	210	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Benzo(a)pyrene	2.00E-01	2.18	9.17E+00	99	210	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Benzo(a)pyrene	1.90E-01	1.9	1.00E+01	99	210	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Benzo(a)pyrene	1.80E-01	1.9	9.47E+00	99	210	mg/kg OC	<1	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Benzo(a)pyrene	1.60E-01	2	8.00E+00	99	210	mg/kg OC	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Benzo(a)pyrene	1.60E-01	1.9	8.42E+00	99	210	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Benzo(a)pyrene	1.60E-01	1.81	8.84E+00	99	210	mg/kg OC	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Benzo(a)pyrene	1.50E-01	1.9	7.89E+00	99	210	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Benzo(a)pyrene	1.40E-01	1.8	7.78E+00	99	210	mg/kg OC	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Benzo(a)pyrene	1.20E-01	2.1	5.71E+00	99	210	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Benzo(a)pyrene	1.10E-01	1.47	7.48E+00	99	210	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Benzo(a)pyrene	1.10E-01	2.3	4.78E+00	99	210	mg/kg OC	<1	<1
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Benzo(a)pyrene	9.60E-02	1.5	6.40E+00	99	210	mg/kg OC	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Benzo(a)pyrene	9.50E-02	1.5	6.33E+00	99	210	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Benzo(a)pyrene	9.00E-02	1.33	6.77E+00	99	210	mg/kg OC	<1	<1
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Benzo(a)pyrene	8.30E-02	2.4	3.46E+00	99	210	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	8 - 10	Benzo(a)pyrene	8.20E-02	1.53	5.36E+00	99	210	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Benzo(a)pyrene	7.90E-02 J	1.62	4.88E+00	99	210	mg/kg OC	<1	<1
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Benzo(a)pyrene	6.80E-02	1.8	3.78E+00	99	210	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	8 - 10	Benzo(a)pyrene	6.10E-02	1.55	3.94E+00	99	210	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Benzo(a)pyrene	5.00E-02	1.82	2.75E+00	99	210	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Benzo(a)pyrene	4.80E-02	2.4	2.00E+00	99	210	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Benzo(a)pyrene	3.00E-02	2.34	1.28E+00	99	210	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Benzo(b)fluoranthene	8.50E-01	1.16	7.33E+01	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Benzo(b)fluoranthene	7.30E-01	1.9	3.84E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Benzo(b)fluoranthene	6.50E-01	2.13	3.05E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Benzo(b)fluoranthene	3.80E-01	2.1	1.81E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Benzo(b)fluoranthene	3.60E-01	3.34	1.08E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Benzo(b)fluoranthene	3.20E-01	2.18	1.47E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Benzo(b)fluoranthene	3.10E-01	1.88	1.65E+01	230	450	mg/kg OC	<1	<1

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Benzo(b)fluoranthene	2.90E-01	1.8	1.61E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Benzo(b)fluoranthene	2.90E-01	2.52	1.15E+01	230	450	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Benzo(b)fluoranthene	2.90E-01	1.9	1.53E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Benzo(b)fluoranthene	2.70E-01	1.81	1.49E+01	230	450	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Benzo(b)fluoranthene	2.20E-01	1.9	1.16E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Benzo(b)fluoranthene	2.10E-01	1.47	1.43E+01	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Benzo(b)fluoranthene	2.00E-01	1.9	1.05E+01	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Benzo(b)fluoranthene	1.90E-01	2	9.50E+00	230	450	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Benzo(b)fluoranthene	1.90E-01	1.8	1.06E+01	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Benzo(b)fluoranthene	1.80E-01	1.9	9.47E+00	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Benzo(b)fluoranthene	1.60E-01	2.1	7.62E+00	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Benzo(b)fluoranthene	1.40E-01	1.33	1.05E+01	230	450	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Benzo(b)fluoranthene	1.40E-01	2.3	6.09E+00	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Benzo(b)fluoranthene	1.20E-01 J	1.62	7.41E+00	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Benzo(b)fluoranthene	1.10E-01	1.5	7.33E+00	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Benzo(b)fluoranthene	1.10E-01	2.4	4.58E+00	230	450	mg/kg OC	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Benzo(b)fluoranthene	1.10E-01	1.5	7.33E+00	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Benzo(b)fluoranthene	7.90E-02	1.8	4.39E+00	230	450	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Benzo(b)fluoranthene	6.30E-02	2.4	2.63E+00	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	8 - 10	Benzo(b)fluoranthene	5.60E-02 J	1.53	3.66E+00	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Benzo(b)fluoranthene	5.00E-02	1.82	2.75E+00	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	8 - 10	Benzo(b)fluoranthene	4.50E-02 J	1.55	2.90E+00	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Benzo(b)fluoranthene	3.00E-02	2.34	1.28E+00	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Benzo(g,h,i)perylene	2.10E-01	2.13	9.86E+00	31	78	mg/kg OC	<1	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Benzo(g,h,i)perylene	1.90E-01	1.9	1.00E+01	31	78	mg/kg OC	<1	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Benzo(g,h,i)perylene	1.20E-01	2	6.00E+00	31	78	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Benzo(g,h,i)perylene	1.10E-01	1.8	6.11E+00	31	78	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Benzo(g,h,i)perylene	1.10E-01	2.1	5.24E+00	31	78	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Benzo(g,h,i)perylene	9.50E-02	1.8	5.28E+00	31	78	mg/kg OC	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Benzo(g,h,i)perylene	8.30E-02	1.9	4.37E+00	31	78	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Benzo(g,h,i)perylene	7.90E-02	2.52	3.13E+00	31	78	mg/kg OC	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Benzo(g,h,i)perylene	7.80E-02	2.1	3.71E+00	31	78	mg/kg OC	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Benzo(g,h,i)perylene	7.80E-02	1.9	4.11E+00	31	78	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Benzo(g,h,i)perylene	7.60E-02	1.9	4.00E+00	31	78	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Benzo(g,h,i)perylene	7.20E-02	2.3	3.13E+00	31	78	mg/kg OC	<1	<1
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Benzo(g,h,i)perylene	6.50E-02	2.4	2.71E+00	31	78	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Benzo(g,h,i)perylene	5.40E-02 J	3.34	1.62E+00	31	78	mg/kg OC	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Benzo(g,h,i)perylene	5.20E-02	1.5	3.47E+00	31	78	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Benzo(g,h,i)perylene	5.00E-02	1.82	2.75E+00	31	78	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Benzo(g,h,i)perylene	5.00E-02 J	2.18	2.29E+00	31	78	mg/kg OC	<1	<1

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	8 - 10	Benzo(g,h,i)perylene	5.00E-02 J	1.53	3.27E+00	31	78	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Benzo(g,h,i)perylene	4.30E-02 J	1.16	3.71E+00	31	78	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Benzo(g,h,i)perylene	4.20E-02	1.88	2.23E+00	31	78	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Benzo(g,h,i)perylene	4.20E-02	2.4	1.75E+00	31	78	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Benzo(g,h,i)perylene	3.90E-02	1.9	2.05E+00	31	78	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	8 - 10	Benzo(g,h,i)perylene	3.50E-02 J	1.55	2.26E+00	31	78	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Benzo(g,h,i)perylene	3.00E-02	2.34	1.28E+00	31	78	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Benzo(g,h,i)perylene	2.00E-02	1.47	1.36E+00	31	78	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Benzo(g,h,i)perylene	1.70E-02 J	1.33	1.28E+00	31	78	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Benzo(g,h,i)perylene	1.40E-02 J	1.62	8.64E-01	31	78	mg/kg OC	<1	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Benzo(k)fluoranthene	6.50E-01	1.9	3.42E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Benzo(k)fluoranthene	5.10E-01	1.16	4.40E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Benzo(k)fluoranthene	4.40E-01	2.13	2.07E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Benzo(k)fluoranthene	2.80E-01	2.52	1.11E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Benzo(k)fluoranthene	2.70E-01	2.18	1.24E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Benzo(k)fluoranthene	2.60E-01	1.88	1.38E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Benzo(k)fluoranthene	2.50E-01	2.1	1.19E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Benzo(k)fluoranthene	2.40E-01	3.34	7.19E+00	230	450	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Benzo(k)fluoranthene	2.30E-01	1.9	1.21E+01	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Benzo(k)fluoranthene	2.00E-01	1.9	1.05E+01	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Benzo(k)fluoranthene	1.90E-01	1.9	1.00E+01	230	450	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Benzo(k)fluoranthene	1.90E-01	1.9	1.00E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Benzo(k)fluoranthene	1.80E-01	1.81	9.94E+00	230	450	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Benzo(k)fluoranthene	1.70E-01	1.8	9.44E+00	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Benzo(k)fluoranthene	1.70E-01	1.47	1.16E+01	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Benzo(k)fluoranthene	1.50E-01	2	7.50E+00	230	450	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Benzo(k)fluoranthene	1.30E-01	1.8	7.22E+00	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Benzo(k)fluoranthene	1.20E-01	2.1	5.71E+00	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Benzo(k)fluoranthene	1.20E-01	1.33	9.02E+00	230	450	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Benzo(k)fluoranthene	1.20E-01	2.3	5.22E+00	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Benzo(k)fluoranthene	1.00E-01	1.5	6.67E+00	230	450	mg/kg OC	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Benzo(k)fluoranthene	9.80E-02	1.5	6.53E+00	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Benzo(k)fluoranthene	9.40E-02	2.4	3.92E+00	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	8 - 10	Benzo(k)fluoranthene	9.00E-02	1.53	5.88E+00	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Benzo(k)fluoranthene	8.60E-02 J	1.62	5.31E+00	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	8 - 10	Benzo(k)fluoranthene	7.20E-02	1.55	4.65E+00	230	450	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Benzo(k)fluoranthene	6.80E-02	2.4	2.83E+00	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Benzo(k)fluoranthene	6.60E-02	1.8	3.67E+00	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Benzo(k)fluoranthene	5.00E-02	1.82	2.75E+00	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Benzo(k)fluoranthene	2.00E-02	2.34	8.55E-01	230	450	mg/kg OC	<1	<1

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Benzofluoranthenes (total-calc'd)	1.38E+00	1.9	7.26E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Benzofluoranthenes (total-calc'd)	1.36E+00	1.16	1.17E+02	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Benzofluoranthenes (total-calc'd)	1.09E+00	2.13	5.12E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Benzofluoranthenes (total-calc'd)	6.30E-01	2.1	3.00E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Benzofluoranthenes (total-calc'd)	6.00E-01	3.34	1.80E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Benzofluoranthenes (total-calc'd)	5.90E-01	2.18	2.71E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Benzofluoranthenes (total-calc'd)	5.70E-01	1.88	3.03E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Benzofluoranthenes (total-calc'd)	5.70E-01	2.52	2.26E+01	230	450	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Benzofluoranthenes (total-calc'd)	5.20E-01	1.9	2.74E+01	230	450	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Benzofluoranthenes (total-calc'd)	4.60E-01	1.8	2.56E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Benzofluoranthenes (total-calc'd)	4.50E-01	1.81	2.49E+01	230	450	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Benzofluoranthenes (total-calc'd)	4.10E-01	1.9	2.16E+01	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Benzofluoranthenes (total-calc'd)	3.90E-01	1.9	2.05E+01	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Benzofluoranthenes (total-calc'd)	3.80E-01	1.9	2.00E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Benzofluoranthenes (total-calc'd)	3.80E-01	1.47	2.59E+01	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Benzofluoranthenes (total-calc'd)	3.40E-01	2	1.70E+01	230	450	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Benzofluoranthenes (total-calc'd)	3.20E-01	1.8	1.78E+01	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Benzofluoranthenes (total-calc'd)	2.80E-01	2.1	1.33E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Benzofluoranthenes (total-calc'd)	2.60E-01	1.33	1.95E+01	230	450	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Benzofluoranthenes (total-calc'd)	2.60E-01	2.3	1.13E+01	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Benzofluoranthenes (total-calc'd)	2.10E-01	1.5	1.40E+01	230	450	mg/kg OC	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Benzofluoranthenes (total-calc'd)	2.10E-01	1.5	1.40E+01	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Benzofluoranthenes (total-calc'd)	2.10E-01 J	1.62	1.30E+01	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Benzofluoranthenes (total-calc'd)	2.00E-01	2.4	8.33E+00	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	8 - 10	Benzofluoranthenes (total-calc'd)	1.46E-01 J	1.53	9.54E+00	230	450	mg/kg OC	<1	<1
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Benzofluoranthenes (total-calc'd)	1.45E-01	1.8	8.06E+00	230	450	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Benzofluoranthenes (total-calc'd)	1.31E-01	2.4	5.46E+00	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	8 - 10	Benzofluoranthenes (total-calc'd)	1.17E-01 J	1.55	7.55E+00	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Benzofluoranthenes (total-calc'd)	1.00E-01	1.82	5.49E+00	230	450	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Benzofluoranthenes (total-calc'd)	5.00E-02	2.34	2.14E+00	230	450	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Benzoic acid	1.70E-01 J	2.52		650	650	ug/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Benzoic acid	1.60E-01	1.81		650	650	ug/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Benzoic acid	1.20E-01 J	2.18		650	650	ug/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31 [a]	2/16/2006	2.8 - 4	Benzoic acid	5.70E-02 J	0.11		650	650	ug/kg DW	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Beryllium	3.30E-01	1.82						
EPA Site Inspection	DR101	9/21/1998	2 - 4	Beryllium	3.20E-01	2.34						
EPA Site Inspection	DR101	9/21/1998	2 - 4	Bis(2-ethylhexyl)phthalate	1.40E+00	2.34	5.98E+01	47	78	mg/kg OC	1.3	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Bis(2-ethylhexyl)phthalate	6.90E-01	2	3.45E+01	47	78	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Bis(2-ethylhexyl)phthalate	6.50E-01	1.16	5.60E+01	47	78	mg/kg OC	1.2	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Bis(2-ethylhexyl)phthalate	5.30E-01	1.9	2.79E+01	47	78	mg/kg OC	<1	<1

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Bis(2-ethylhexyl)phthalate	4.70E-01	1.9	2.47E+01	47	78	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Bis(2-ethylhexyl)phthalate	4.60E-01	1.47	3.13E+01	47	78	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Bis(2-ethylhexyl)phthalate	4.00E-01	3.34	1.20E+01	47	78	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Bis(2-ethylhexyl)phthalate	3.90E-01	1.9	2.05E+01	47	78	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Bis(2-ethylhexyl)phthalate	3.80E-01	1.88	2.02E+01	47	78	mg/kg OC	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Bis(2-ethylhexyl)phthalate	3.60E-01	1.9	1.89E+01	47	78	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Bis(2-ethylhexyl)phthalate	3.10E-01	1.8	1.72E+01	47	78	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Bis(2-ethylhexyl)phthalate	2.70E-01	2.52	1.07E+01	47	78	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Bis(2-ethylhexyl)phthalate	2.70E-01	1.9	1.42E+01	47	78	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Bis(2-ethylhexyl)phthalate	2.70E-01	2.3	1.17E+01	47	78	mg/kg OC	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Bis(2-ethylhexyl)phthalate	2.60E-01	2.1	1.24E+01	47	78	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Bis(2-ethylhexyl)phthalate	2.60E-01	2.18	1.19E+01	47	78	mg/kg OC	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Bis(2-ethylhexyl)phthalate	2.40E-01	1.5	1.60E+01	47	78	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Bis(2-ethylhexyl)phthalate	2.40E-01	1.8	1.33E+01	47	78	mg/kg OC	<1	<1
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Bis(2-ethylhexyl)phthalate	2.30E-01	1.8	1.28E+01	47	78	mg/kg OC	<1	<1
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Bis(2-ethylhexyl)phthalate	2.10E-01	2.4	8.75E+00	47	78	mg/kg OC	<1	<1
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Bis(2-ethylhexyl)phthalate	2.00E-01	1.5	1.33E+01	47	78	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Bis(2-ethylhexyl)phthalate	2.00E-01	1.81	1.10E+01	47	78	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Bis(2-ethylhexyl)phthalate	1.80E-01	2.4	7.50E+00	47	78	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Bis(2-ethylhexyl)phthalate	1.30E-01 J	1.62	8.02E+00	47	78	mg/kg OC	<1	<1
Hardie Gypsum Round 2	E	7/15/1999	0 - 3	Bis(2-ethylhexyl)phthalate	1.20E-01	1.5	8.00E+00	47	78	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Bis(2-ethylhexyl)phthalate	1.00E-01	1.33	7.52E+00	47	78	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Bis(2-ethylhexyl)phthalate	5.60E-02 J	2.1	2.67E+00	47	78	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Butyl benzyl phthalate	4.50E-02	1.47	3.06E+00	4.9	64	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Butyl benzyl phthalate	4.40E-02	1.16	3.79E+00	4.9	64	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Butyl benzyl phthalate	3.80E-02	1.8	2.11E+00	4.9	64	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Butyl benzyl phthalate	3.80E-02	2.52	1.51E+00	4.9	64	mg/kg OC	<1	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Butyl benzyl phthalate	3.30E-02	2	1.65E+00	4.9	64	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Butyl benzyl phthalate	3.30E-02	1.9	1.74E+00	4.9	64	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Butyl benzyl phthalate	3.20E-02	1.81	1.77E+00	4.9	64	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Butyl benzyl phthalate	2.90E-02	1.88	1.54E+00	4.9	64	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Butyl benzyl phthalate	2.30E-02	1.9	1.21E+00	4.9	64	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Butyl benzyl phthalate	2.10E-02	2.18	9.63E-01	4.9	64	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Butyl benzyl phthalate	2.00E-02	2.4	8.33E-01	4.9	64	mg/kg OC	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Butyl benzyl phthalate	1.90E-02 J	1.5	1.27E+00	4.9	64	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Butyl benzyl phthalate	1.80E-02 J	2.3	7.83E-01	4.9	64	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Butyl benzyl phthalate	1.10E-02	3.34	3.29E-01	4.9	64	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Cadmium	1.70E+00	1.16		5.1	6.7	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Cadmium	1.20E+00	3.34		5.1	6.7	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Cadmium	1.00E+00	1.47		5.1	6.7	mg/kg DW	<1	<1

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Cadmium	1.00E+00	2.4		5.1	6.7	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Cadmium	8.00E-01	1.33		5.1	6.7	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Cadmium	8.00E-01	1.62		5.1	6.7	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Cadmium	8.00E-01	2.3		5.1	6.7	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Cadmium	7.00E-01	1.88		5.1	6.7	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Cadmium	7.00E-01	2.1		5.1	6.7	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Cadmium	7.00E-01	1.9		5.1	6.7	mg/kg DW	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Cadmium	6.60E-01	1.8		5.1	6.7	mg/kg DW	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Cadmium	6.40E-01	1.8		5.1	6.7	mg/kg DW	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Cadmium	6.00E-01	1.5		5.1	6.7	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Cadmium	6.00E-01	1.81		5.1	6.7	mg/kg DW	<1	<1
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Cadmium	5.40E-01	1.8		5.1	6.7	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Cadmium	5.00E-01	2.52		5.1	6.7	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Cadmium	5.00E-01	2.18		5.1	6.7	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Cadmium	5.00E-01	1.9		5.1	6.7	mg/kg DW	<1	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Cadmium	4.90E-01	2		5.1	6.7	mg/kg DW	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Cadmium	4.40E-01	2.1		5.1	6.7	mg/kg DW	<1	<1
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Cadmium	3.90E-01	2.4		5.1	6.7	mg/kg DW	<1	<1
Hardie Gypsum Round 2	E	7/15/1999	0 - 3	Cadmium	3.50E-01	1.5		5.1	6.7	mg/kg DW	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Cadmium	2.30E-01	1.9		5.1	6.7	mg/kg DW	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Cadmium	1.90E-01	1.9		5.1	6.7	mg/kg DW	<1	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Cadmium	1.60E-01	1.9		5.1	6.7	mg/kg DW	<1	<1
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Cadmium	1.30E-01	1.5		5.1	6.7	mg/kg DW	<1	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Chlordane	3.60E-03	2	1.80E-01					
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Chlordane	2.50E-03	2.1	1.19E-01					
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Chromium	4.99E+01	3.34		260	270	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Chromium	4.60E+01	1.16		260	270	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Chromium	4.11E+01	2.4		260	270	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Chromium	3.80E+01	2.1		260	270	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Chromium	3.79E+01	1.88		260	270	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Chromium	3.77E+01	1.62		260	270	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Chromium	3.70E+01	1.47		260	270	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Chromium	3.51E+01	1.9		260	270	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Chromium	3.50E+01	2.52		260	270	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Chromium	3.49E+01	2.3		260	270	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Chromium	3.41E+01	1.33		260	270	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Chromium	3.41E+01	1.9		260	270	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Chromium	3.35E+01	1.81		260	270	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Chromium	3.11E+01	2.18		260	270	mg/kg DW	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Chromium	2.90E+01	1.82		260	270	mg/kg DW	<1	<1

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Chromium	2.89E+01	1.5		260	270	mg/kg DW	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Chromium	2.60E+01	2.34		260	270	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31 [a]	2/16/2006	2.8 - 4	Chromium	8.90E+00	0.11		NA	260	mg/kg DW	NA	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Chrysene	1.40E+00	1.9	7.37E+01	110	460	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Chrysene	9.00E-01	2.13	4.23E+01	110	460	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Chrysene	8.90E-01	1.16	7.67E+01	110	460	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Chrysene	5.60E-01	2.1	2.67E+01	110	460	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Chrysene	4.90E-01	3.34	1.47E+01	110	460	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Chrysene	3.60E-01	1.9	1.89E+01	110	460	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Chrysene	3.30E-01	2.52	1.31E+01	110	460	mg/kg OC	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Chrysene	2.90E-01	1.9	1.53E+01	110	460	mg/kg OC	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Chrysene	2.70E-01	1.9	1.42E+01	110	460	mg/kg OC	<1	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Chrysene	2.50E-01	2	1.25E+01	110	460	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Chrysene	2.50E-01	1.8	1.39E+01	110	460	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Chrysene	2.50E-01	2.18	1.15E+01	110	460	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Chrysene	2.20E-01	1.9	1.16E+01	110	460	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Chrysene	2.10E-01	1.88	1.12E+01	110	460	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Chrysene	2.10E-01	1.47	1.43E+01	110	460	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Chrysene	1.70E-01	1.81	9.39E+00	110	460	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Chrysene	1.70E-01 J	1.62	1.05E+01	110	460	mg/kg OC	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Chrysene	1.60E-01	2.1	7.62E+00	110	460	mg/kg OC	<1	<1
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Chrysene	1.60E-01	1.5	1.07E+01	110	460	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Chrysene	1.60E-01	1.8	8.89E+00	110	460	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Chrysene	1.50E-01	2.3	6.52E+00	110	460	mg/kg OC	<1	<1
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Chrysene	1.20E-01	2.4	5.00E+00	110	460	mg/kg OC	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Chrysene	1.20E-01	1.5	8.00E+00	110	460	mg/kg OC	<1	<1
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Chrysene	1.20E-01	1.8	6.67E+00	110	460	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	8 - 10	Chrysene	1.20E-01	1.53	7.84E+00	110	460	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	8 - 10	Chrysene	9.40E-02	1.55	6.06E+00	110	460	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Chrysene	7.30E-02	1.33	5.49E+00	110	460	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Chrysene	7.00E-02	2.4	2.92E+00	110	460	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Chrysene	6.00E-02	1.82	3.30E+00	110	460	mg/kg OC	<1	<1
Hardie Gypsum Round 2	E	7/15/1999	0 - 3	Chrysene	5.20E-02	1.5	3.47E+00	110	460	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Chrysene	4.00E-02	2.34	1.71E+00	110	460	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Cobalt	1.22E+01	3.34						
EPA Site Inspection	DR101	9/21/1998	0 - 2	Cobalt	1.00E+01	1.82						
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Cobalt	9.70E+00	2.52						
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Cobalt	9.60E+00	1.88						
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Cobalt	9.60E+00	1.16						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Cobalt	9.30E+00	1.62						

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Cobalt	9.20E+00	2.18						
EPA Site Inspection	DR101	9/21/1998	2 - 4	Cobalt	9.00E+00	2.34						
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Cobalt	9.00E+00	1.33						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Cobalt	8.90E+00	2.1						
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Cobalt	8.40E+00	1.81						
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Cobalt	7.90E+00	1.47						
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	2.8 - 4	Cobalt	3.60E+00	0.11						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Copper	1.90E+02 J	3.34		390	390	mg/kg DW	<1	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Copper	1.70E+02	1.9		390	390	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Copper	9.02E+01	1.16		390	390	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Copper	8.84E+01	2.52		390	390	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Copper	8.80E+01 J	1.88		390	390	mg/kg DW	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Copper	8.20E+01	1.8		390	390	mg/kg DW	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Copper	7.70E+01	1.8		390	390	mg/kg DW	<1	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Copper	7.60E+01	2		390	390	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Copper	7.29E+01	2.18		390	390	mg/kg DW	<1	<1
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Copper	6.70E+01	1.8		390	390	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Copper	6.63E+01	1.9		390	390	mg/kg DW	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Copper	6.50E+01	2.1		390	390	mg/kg DW	<1	<1
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Copper	6.10E+01	2.4		390	390	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Copper	6.00E+01	1.47		390	390	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Copper	5.94E+01	2.3		390	390	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Copper	5.85E+01	2.4		390	390	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Copper	5.82E+01	1.81		390	390	mg/kg DW	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Copper	5.80E+01	1.9		390	390	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Copper	5.71E+01	1.9		390	390	mg/kg DW	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Copper	5.50E+01	1.9		390	390	mg/kg DW	<1	<1
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Copper	5.40E+01	1.5		390	390	mg/kg DW	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Copper	5.21E+01	1.5		390	390	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Copper	5.18E+01	2.1		390	390	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Copper	5.10E+01 J	1.62		390	390	mg/kg DW	<1	<1
Hardie Gypsum Round 2	E	7/15/1999	0 - 3	Copper	4.90E+01	1.5		390	390	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Copper	4.84E+01 J	1.33		390	390	mg/kg DW	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Copper	4.50E+01	1.82		390	390	mg/kg DW	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Copper	4.00E+01	2.34		390	390	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31 [a]	2/16/2006	2.8 - 4	Copper	9.30E+00	0.11		390	530	mg/kg DW	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	DDTs (total-calc'd)	4.50E-03	1.8	2.50E-01					
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	DDTs (total-calc'd)	3.90E-03	1.8	2.17E-01					
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Dibenzo(a,h)anthracene	1.00E-01	2.13	4.69E+00	12	33	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Dibenzo(a,h)anthracene	5.70E-02	2.1	2.71E+00	12	33	mg/kg OC	<1	<1

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Dibenzo(a,h)anthracene	3.20E-02	2	1.60E+00	12	33	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Dibenzo(a,h)anthracene	2.70E-02	1.8	1.50E+00	12	33	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	8 - 10	Dibenzo(a,h)anthracene	2.30E-02	1.53	1.50E+00	12	33	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	8 - 10	Dibenzo(a,h)anthracene	1.90E-02	1.55	1.23E+00	12	33	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Dibenzo(a,h)anthracene	1.90E-02 J	1.9	1.00E+00	12	33	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Dibenzo(a,h)anthracene	1.40E-02 J	1.88	7.45E-01	12	33	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Dibenzofuran	1.20E+00	1.16	1.03E+02	15	58	mg/kg OC	6.9	1.8
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Dibenzofuran	3.80E-01	2.1	1.81E+01	15	58	mg/kg OC	1.2	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Dibenzofuran	2.80E-01	2.13	1.31E+01	15	58	mg/kg OC	<1	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Dibenzofuran	2.50E-01	1.9	1.32E+01	15	58	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Dibenzofuran	1.70E-01	1.47	1.16E+01	15	58	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Dibenzofuran	4.90E-02	1.9	2.58E+00	15	58	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Dibenzofuran	2.50E-02 J	1.62	1.54E+00	15	58	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Dibenzofuran	2.00E-02	2.34	8.55E-01	15	58	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Dibenzofuran	2.00E-02	2.4	8.33E-01	15	58	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Dibutyltin as ion	1.30E-02	2.52	5.16E-01					
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Dieldrin	1.10E-02	1.8	6.11E-01					
Hardie Gypsum Round 2	E	7/15/1999	0 - 3	Dieldrin	7.80E-03	1.5	5.20E-01					
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Dieldrin	3.30E-03	1.5	2.20E-01					
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Dieldrin	3.30E-03	1.9	1.74E-01					
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Dieldrin	2.60E-03	1.9	1.37E-01					
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Dieldrin	2.50E-03	1.9	1.32E-01					
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Di-n-butyl phthalate	3.30E-02 J	2.52	1.31E+00	220	1700	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Di-n-butyl phthalate	3.00E-02	1.82	1.65E+00	220	1700	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Di-n-butyl phthalate	2.00E-02	1.9	1.05E+00	220	1700	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31 [a]	2/16/2006	2.8 - 4	Di-n-butyl phthalate	1.10E-02 J	0.11		1400	NA	mg/kg DW	<1	NA
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Di-n-octyl phthalate	3.00E-02	2.1	1.43E+00	58	4500	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Fluoranthene	5.00E+00	2.13	2.35E+02	160	1200	mg/kg OC	1.5	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Fluoranthene	3.20E+00	2.1	1.52E+02	160	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Fluoranthene	2.50E+00	1.16	2.16E+02	160	1200	mg/kg OC	1.3	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Fluoranthene	2.40E+00	1.9	1.26E+02	160	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Fluoranthene	1.50E+00	3.34	4.49E+01	160	1200	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Fluoranthene	1.10E+00	1.9	5.79E+01	160	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Fluoranthene	8.50E-01 J	1.62	5.25E+01	160	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Fluoranthene	6.00E-01	2.52	2.38E+01	160	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Fluoranthene	5.90E-01	1.47	4.01E+01	160	1200	mg/kg OC	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Fluoranthene	5.60E-01	1.9	2.95E+01	160	1200	mg/kg OC	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Fluoranthene	5.40E-01	2.1	2.57E+01	160	1200	mg/kg OC	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Fluoranthene	4.40E-01	1.9	2.32E+01	160	1200	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Fluoranthene	4.00E-01	1.9	2.11E+01	160	1200	mg/kg OC	<1	<1

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Fluoranthene	3.60E-01	2	1.80E+01	160	1200	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Fluoranthene	3.50E-01	1.8	1.94E+01	160	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	8 - 10	Fluoranthene	3.50E-01	1.53	2.29E+01	160	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Fluoranthene	3.20E-01	1.88	1.70E+01	160	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Fluoranthene	3.20E-01	2.18	1.47E+01	160	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	8 - 10	Fluoranthene	3.00E-01	1.55	1.94E+01	160	1200	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Fluoranthene	2.30E-01	2.3	1.00E+01	160	1200	mg/kg OC	<1	<1
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Fluoranthene	2.20E-01	1.5	1.47E+01	160	1200	mg/kg OC	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Fluoranthene	2.10E-01	1.5	1.40E+01	160	1200	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Fluoranthene	2.10E-01	1.8	1.17E+01	160	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Fluoranthene	2.10E-01	1.81	1.16E+01	160	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Fluoranthene	1.90E-01	1.33	1.43E+01	160	1200	mg/kg OC	<1	<1
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Fluoranthene	1.70E-01	2.4	7.08E+00	160	1200	mg/kg OC	<1	<1
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Fluoranthene	1.60E-01	1.8	8.89E+00	160	1200	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Fluoranthene	1.50E-01	2.4	6.25E+00	160	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Fluoranthene	1.20E-01	1.82	6.59E+00	160	1200	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Fluoranthene	1.10E-01	2.34	4.70E+00	160	1200	mg/kg OC	<1	<1
Hardie Gypsum Round 2	E	7/15/1999	0 - 3	Fluoranthene	6.70E-02	1.5	4.47E+00	160	1200	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Fluorene	1.90E+00	1.16	1.64E+02	23	79	mg/kg OC	7.1	2.1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Fluorene	6.30E-01	2.1	3.00E+01	23	79	mg/kg OC	1.3	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Fluorene	5.10E-01	2.13	2.39E+01	23	79	mg/kg OC	1.0	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Fluorene	2.90E-01	1.9	1.53E+01	23	79	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Fluorene	2.60E-01	1.47	1.77E+01	23	79	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Fluorene	1.80E-01	1.9	9.47E+00	23	79	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Fluorene	1.70E-01	3.34	5.09E+00	23	79	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Fluorene	6.50E-02 J	1.62	4.01E+00	23	79	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	8 - 10	Fluorene	3.80E-02 J	1.53	2.48E+00	23	79	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Fluorene	3.00E-02	2.34	1.28E+00	23	79	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Fluorene	2.60E-02	2.4	1.08E+00	23	79	mg/kg OC	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Fluorene	2.00E-02	1.5	1.33E+00	23	79	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Fluorene	2.00E-02	1.9	1.05E+00	23	79	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Fluorene	1.70E-02 J	1.88	9.04E-01	23	79	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Fluorene	1.70E-02 J	1.33	1.28E+00	23	79	mg/kg OC	<1	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Hexachlorobenzene	1.30E-02	2	6.50E-01	0.38	2.3	mg/kg OC	1.7	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Indeno(1,2,3-cd)pyrene	2.10E-01	1.9	1.11E+01	34	88	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Indeno(1,2,3-cd)pyrene	1.80E-01	2.13	8.45E+00	34	88	mg/kg OC	<1	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Indeno(1,2,3-cd)pyrene	1.10E-01	2	5.50E+00	34	88	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Indeno(1,2,3-cd)pyrene	1.10E-01	1.8	6.11E+00	34	88	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Indeno(1,2,3-cd)pyrene	1.00E-01	1.9	5.26E+00	34	88	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Indeno(1,2,3-cd)pyrene	9.80E-02	2.52	3.89E+00	34	88	mg/kg OC	<1	<1

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Indeno(1,2,3-cd)pyrene	9.60E-02	1.9	5.05E+00	34	88	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Indeno(1,2,3-cd)pyrene	8.90E-02	1.8	4.94E+00	34	88	mg/kg OC	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Indeno(1,2,3-cd)pyrene	8.70E-02	1.9	4.58E+00	34	88	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Indeno(1,2,3-cd)pyrene	8.40E-02	2.1	4.00E+00	34	88	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Indeno(1,2,3-cd)pyrene	8.10E-02	2.3	3.52E+00	34	88	mg/kg OC	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Indeno(1,2,3-cd)pyrene	7.10E-02	2.1	3.38E+00	34	88	mg/kg OC	<1	<1
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Indeno(1,2,3-cd)pyrene	6.70E-02	2.4	2.79E+00	34	88	mg/kg OC	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Indeno(1,2,3-cd)pyrene	6.40E-02	1.5	4.27E+00	34	88	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Indeno(1,2,3-cd)pyrene	6.00E-02	1.16	5.17E+00	34	88	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Indeno(1,2,3-cd)pyrene	5.70E-02 J	3.34	1.71E+00	34	88	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Indeno(1,2,3-cd)pyrene	5.60E-02 J	2.18	2.57E+00	34	88	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Indeno(1,2,3-cd)pyrene	5.10E-02	1.88	2.71E+00	34	88	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Indeno(1,2,3-cd)pyrene	5.10E-02	1.9	2.68E+00	34	88	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	8 - 10	Indeno(1,2,3-cd)pyrene	4.80E-02 J	1.53	3.14E+00	34	88	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Indeno(1,2,3-cd)pyrene	4.00E-02	1.82	2.20E+00	34	88	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Indeno(1,2,3-cd)pyrene	3.60E-02 J	1.81	1.99E+00	34	88	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Indeno(1,2,3-cd)pyrene	3.60E-02	2.4	1.50E+00	34	88	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	8 - 10	Indeno(1,2,3-cd)pyrene	3.40E-02 J	1.55	2.19E+00	34	88	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Indeno(1,2,3-cd)pyrene	2.20E-02	1.47	1.50E+00	34	88	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Indeno(1,2,3-cd)pyrene	2.00E-02	2.34	8.55E-01	34	88	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Indeno(1,2,3-cd)pyrene	2.00E-02 J	1.33	1.50E+00	34	88	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Indeno(1,2,3-cd)pyrene	1.60E-02 J	1.62	9.88E-01	34	88	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Iron	2.90E+04 J	1.82						
EPA Site Inspection	DR101	9/21/1998	2 - 4	Iron	2.70E+04 J	2.34						
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Lead	7.72E+02	1.88		450	530	mg/kg DW	1.7	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0.5 - 1	Lead	1.77E+02	2.14		450	530	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	1 - 1.5	Lead	1.17E+02	2.53		450	530	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Lead	1.08E+02	3.34		450	530	mg/kg DW	<1	<1
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Lead	1.00E+02	1.8		450	530	mg/kg DW	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Lead	9.10E+01	1.8		450	530	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Lead	8.70E+01	1.16		450	530	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	1.5 - 2	Lead	8.40E+01	2.42		450	530	mg/kg DW	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Lead	8.30E+01	1.8		450	530	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 0.5	Lead	7.20E+01	1.76		450	530	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Lead	5.90E+01	1.81		450	530	mg/kg DW	<1	<1
Hardie Gypsum Round 2	E	7/15/1999	0 - 3	Lead	5.80E+01	1.5		450	530	mg/kg DW	<1	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Lead	5.50E+01	2		450	530	mg/kg DW	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Lead	5.10E+01	2.1		450	530	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Lead	5.10E+01	1.47		450	530	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Lead	5.00E+01	1.9		450	530	mg/kg DW	<1	<1

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Lead	4.90E+01	2.52		450	530	mg/kg DW	<1	<1
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Lead	4.50E+01	1.5		450	530	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2.5 - 3	Lead	4.50E+01	1.98		450	530	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Lead	4.50E+01	2.3		450	530	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Lead	4.30E+01	2.18		450	530	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Lead	4.20E+01	1.33		450	530	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Lead	4.00E+01	2.4		450	530	mg/kg DW	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Lead	3.70E+01	1.5		450	530	mg/kg DW	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Lead	3.50E+01	1.9		450	530	mg/kg DW	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Lead	3.50E+01	1.9		450	530	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Lead	3.50E+01	1.9		450	530	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Lead	3.30E+01	1.62		450	530	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Lead	3.30E+01	2.1		450	530	mg/kg DW	<1	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Lead	3.20E+01	1.9		450	530	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 2.5	Lead	2.10E+01	1.35		450	530	mg/kg DW	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Lead	1.70E+01	1.82		450	530	mg/kg DW	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Lead	9.80E+00	2.34		450	530	mg/kg DW	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Magnesium	7.50E+03	1.82						
EPA Site Inspection	DR101	9/21/1998	2 - 4	Magnesium	6.50E+03	2.34						
EPA Site Inspection	DR101	9/21/1998	2 - 4	Manganese	3.00E+02	2.34						
EPA Site Inspection	DR101	9/21/1998	0 - 2	Manganese	2.80E+02	1.82						
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Mercury	4.30E-01	1.8		0.41	0.59	mg/kg DW	1.0	<1
Hardie Gypsum Round 2	E	7/15/1999	0 - 3	Mercury	3.90E-01	1.5		0.41	0.59	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Mercury	3.90E-01 J	3.34		0.41	0.59	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Mercury	3.30E-01	2.52		0.41	0.59	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Mercury	3.00E-01 J	1.33		0.41	0.59	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Mercury	3.00E-01	1.16		0.41	0.59	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Mercury	3.00E-01 J	1.62		0.41	0.59	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Mercury	2.80E-01 J	1.88		0.41	0.59	mg/kg DW	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Mercury	2.60E-01	1.9		0.41	0.59	mg/kg DW	<1	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Mercury	2.50E-01	2		0.41	0.59	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Mercury	2.50E-01	2.4		0.41	0.59	mg/kg DW	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Mercury	2.40E-01	1.82		0.41	0.59	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Mercury	2.20E-01	2.18		0.41	0.59	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Mercury	2.20E-01	1.47		0.41	0.59	mg/kg DW	<1	<1
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Mercury	2.10E-01	1.5		0.41	0.59	mg/kg DW	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Mercury	2.10E-01	1.9		0.41	0.59	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Mercury	2.00E-01	1.81		0.41	0.59	mg/kg DW	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Mercury	1.70E-01	2.1		0.41	0.59	mg/kg DW	<1	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Mercury	1.70E-01	1.9		0.41	0.59	mg/kg DW	<1	<1

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Mercury	1.60E-01	2.4		0.41	0.59	mg/kg DW	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Mercury	1.50E-01	1.5		0.41	0.59	mg/kg DW	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Mercury	1.50E-01	2.34		0.41	0.59	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Mercury	1.50E-01	1.9		0.41	0.59	mg/kg DW	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Mercury	1.30E-01	1.8		0.41	0.59	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Mercury	1.30E-01	2.3		0.41	0.59	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Mercury	1.20E-01	1.9		0.41	0.59	mg/kg DW	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Mercury	1.10E-01	1.8		0.41	0.59	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Molybdenum	9.10E+00	3.34						
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Molybdenum	2.00E+00	1.88						
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Molybdenum	1.20E+00	1.33						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Molybdenum	1.20E+00	1.62						
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Molybdenum	1.10E+00	1.81						
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Molybdenum	1.00E+00	2.18						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Molybdenum	1.00E+00	2.1						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Naphthalene	4.10E-01	2.1		99	170	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Naphthalene	3.80E-01	2.13		99	170	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Naphthalene	1.40E-01	1.16		99	170	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Naphthalene	1.40E-01	1.47		99	170	mg/kg OC	<1	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Naphthalene	1.20E-01	1.9		99	170	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Naphthalene	2.70E-02	1.33		99	170	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Naphthalene	1.70E-02 J	1.62		99	170	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Nickel	4.60E+01	1.8						
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Nickel	4.20E+01	1.8						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Nickel	3.20E+01	3.34						
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Nickel	3.00E+01	1.16						
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Nickel	2.70E+01	1.9						
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Nickel	2.68E+01	2.4						
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Nickel	2.59E+01	1.9						
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Nickel	2.58E+01	2.3						
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Nickel	2.40E+01	2.4						
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Nickel	2.40E+01	1.88						
EPA Site Inspection	DR101	9/21/1998	0 - 2	Nickel	2.30E+01	1.82						
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Nickel	2.30E+01	1.47						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Nickel	2.30E+01	2.1						
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Nickel	2.20E+01	2.52						
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Nickel	2.20E+01	1.81						
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Nickel	2.10E+01	1.9						
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Nickel	2.10E+01	2.18						
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Nickel	2.05E+01	1.5						

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
EPA Site Inspection	DR101	9/21/1998	2 - 4	Nickel	2.00E+01	2.34						
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Nickel	1.90E+01	1.9						
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Nickel	1.90E+01	1.8						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Nickel	1.90E+01	1.62						
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Nickel	1.80E+01	1.33						
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Nickel	1.70E+01	2						
Hardie Gypsum Round 2	E	7/15/1999	0 - 3	Nickel	1.60E+01	1.5						
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Nickel	1.50E+01	2.1						
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Nickel	1.50E+01	1.5						
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Nickel	1.50E+01	1.9						
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	2.8 - 4	Nickel	6.00E+00	0.11						
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	N-Nitroso-di-n-propylamine	7.00E-02	1.16						
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	N-Nitroso-di-n-propylamine	4.10E-02	1.47						
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	1 - 1.5	PCBs (total calc'd)	4.70E+00	2.53	1.86E+02	12	65	mg/kg OC	15	2.9
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	PCBs (total calc'd)	3.10E+00	3.34	9.28E+01	12	65	mg/kg OC	7.7	1.4
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	1.5 - 2	PCBs (total calc'd)	2.50E+00 J	2.42	1.03E+02	12	65	mg/kg OC	8.6	1.6
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	PCBs (total calc'd)	2.45E+00	1.47	1.67E+02	12	65	mg/kg OC	14	2.6
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	PCBs (total calc'd)	1.72E+00	1.16	1.48E+02	12	65	mg/kg OC	12	2.3
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	PCBs (total calc'd)	1.45E+00	1.88	7.71E+01	12	65	mg/kg OC	6.4	1.2
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	PCBs (total calc'd)	1.01E+00	1.8	5.61E+01	12	65	mg/kg OC	4.7	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	PCBs (total calc'd)	1.01E+00	1.81	5.58E+01	12	65	mg/kg OC	4.7	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2.5 - 3	PCBs (total calc'd)	9.40E-01	1.98	4.75E+01	12	65	mg/kg OC	4.0	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0.5 - 1	PCBs (total calc'd)	7.90E-01	2.14	3.69E+01	12	65	mg/kg OC	3.1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	PCBs (total calc'd)	6.80E-01	2.4	2.83E+01	12	65	mg/kg OC	2.4	<1
Hardie Gypsum Round 2	E	7/15/1999	0 - 3	PCBs (total calc'd)	5.90E-01	1.5	3.93E+01	12	65	mg/kg OC	3.3	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	PCBs (total calc'd)	5.30E-01 J	1.33	3.98E+01	12	65	mg/kg OC	3.3	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 0.5	PCBs (total calc'd)	4.90E-01	1.76	2.78E+01	12	65	mg/kg OC	2.3	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	PCBs (total calc'd)	4.20E-01	1.62	2.59E+01	12	65	mg/kg OC	2.2	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	PCBs (total calc'd)	3.70E-01	2.52	1.47E+01	12	65	mg/kg OC	1.2	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	PCBs (total calc'd)	3.40E-01	2.13	1.60E+01	12	65	mg/kg OC	1.3	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	PCBs (total calc'd)	3.30E-01	2.18	1.51E+01	12	65	mg/kg OC	1.3	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	PCBs (total calc'd)	3.00E-01	2	1.50E+01	12	65	mg/kg OC	1.3	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	PCBs (total calc'd)	2.80E-01	2.1	1.33E+01	12	65	mg/kg OC	1.1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	PCBs (total calc'd)	2.40E-01	2.1	1.14E+01	12	65	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	PCBs (total calc'd)	2.40E-01	2.3	1.04E+01	12	65	mg/kg OC	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	PCBs (total calc'd)	2.20E-01	1.5	1.47E+01	12	65	mg/kg OC	1.2	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 2.5	PCBs (total calc'd)	2.10E-01	1.35	1.56E+01	12	65	mg/kg OC	1.3	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	PCBs (total calc'd)	2.00E-01	1.9	1.05E+01	12	65	mg/kg OC	<1	<1
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	PCBs (total calc'd)	1.75E-01	1.5	1.17E+01	12	65	mg/kg OC	<1	<1
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	PCBs (total calc'd)	1.70E-01	2.4	7.08E+00	12	65	mg/kg OC	<1	<1

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	PCBs (total calc'd)	1.50E-01	1.8	8.33E+00	12	65	mg/kg OC	<1	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	PCBs (total calc'd)	1.42E-01	1.9	7.47E+00	12	65	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	PCBs (total calc'd)	1.40E-01	1.8	7.78E+00	12	65	mg/kg OC	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	PCBs (total calc'd)	1.39E-01	1.9	7.32E+00	12	65	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	PCBs (total calc'd)	1.30E-01	1.9	6.84E+00	12	65	mg/kg OC	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	PCBs (total calc'd)	1.25E-01	1.9	6.58E+00	12	65	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31 [a]	2/16/2006	2.8 - 4	PCBs (total calc'd)	2.70E-03 J	0.11		130	1000	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Pentachlorophenol	7.30E-01	3.34	2.19E+01	360	690	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Pentachlorophenol	3.60E-02	2.13	1.69E+00	360	690	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Pentachlorophenol	3.60E-02	2.1	1.71E+00	360	690	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	5.2 - 8	Pentachlorophenol	2.50E-02 J	0.724	3.45E+00	360	690	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Pentachlorophenol	2.00E-02 J	1.16	1.72E+00	360	690	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Phenanthrene	3.70E+00	1.16	3.19E+02	100	480	mg/kg OC	3.2	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Phenanthrene	2.20E+00	1.9	1.16E+02	100	480	mg/kg OC	1.2	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Phenanthrene	1.40E+00	2.1	6.67E+01	100	480	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Phenanthrene	1.30E+00	2.13	6.10E+01	100	480	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Phenanthrene	1.20E+00	1.9	6.32E+01	100	480	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Phenanthrene	6.40E-01	3.34	1.92E+01	100	480	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Phenanthrene	4.60E-01	1.47	3.13E+01	100	480	mg/kg OC	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Phenanthrene	2.20E-01	1.9	1.16E+01	100	480	mg/kg OC	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Phenanthrene	1.70E-01	1.9	8.95E+00	100	480	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Phenanthrene	1.70E-01 J	1.62	1.05E+01	100	480	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Phenanthrene	1.60E-01	1.9	8.42E+00	100	480	mg/kg OC	<1	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Phenanthrene	1.50E-01	2	7.50E+00	100	480	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	8 - 10	Phenanthrene	1.50E-01	1.55	9.68E+00	100	480	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	8 - 10	Phenanthrene	1.50E-01	1.53	9.80E+00	100	480	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Phenanthrene	1.40E-01	2.52	5.56E+00	100	480	mg/kg OC	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Phenanthrene	1.20E-01	1.5	8.00E+00	100	480	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Phenanthrene	1.20E-01	1.8	6.67E+00	100	480	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Phenanthrene	1.20E-01	1.88	6.38E+00	100	480	mg/kg OC	<1	<1
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Phenanthrene	1.00E-01	1.5	6.67E+00	100	480	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Phenanthrene	1.00E-01	1.8	5.56E+00	100	480	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Phenanthrene	1.00E-01	2.18	4.59E+00	100	480	mg/kg OC	<1	<1
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Phenanthrene	9.30E-02	1.8	5.17E+00	100	480	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Phenanthrene	9.10E-02	2.4	3.79E+00	100	480	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Phenanthrene	9.00E-02	2.3	3.91E+00	100	480	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Phenanthrene	8.80E-02	1.81	4.86E+00	100	480	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Phenanthrene	8.00E-02	2.34	3.42E+00	100	480	mg/kg OC	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Phenanthrene	7.70E-02	2.1	3.67E+00	100	480	mg/kg OC	<1	<1
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Phenanthrene	6.60E-02	2.4	2.75E+00	100	480	mg/kg OC	<1	<1

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
EPA Site Inspection	DR101	9/21/1998	0 - 2	Phenanthrene	6.00E-02	1.82	3.30E+00	100	480	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Phenanthrene	5.40E-02	1.33	4.06E+00	100	480	mg/kg OC	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Phenol	2.80E-01	1.9		420	1200	ug/kg DW	<1	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Phenol	9.90E-02	1.9		420	1200	ug/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Phenol	6.90E-02	1.81		420	1200	ug/kg DW	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Phenol	3.20E-02	1.8		420	1200	ug/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Pyrene	4.70E+00	2.13	2.21E+02	1000	1400	mg/kg OC	<1	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Pyrene	2.80E+00	1.9	1.47E+02	1000	1400	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Pyrene	2.60E+00	2.1	1.24E+02	1000	1400	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Pyrene	1.20E+00	1.16	1.03E+02	1000	1400	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Pyrene	1.10E+00	3.34	3.29E+01	1000	1400	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Pyrene	8.00E-01	1.9	4.21E+01	1000	1400	mg/kg OC	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Pyrene	7.30E-01	1.9	3.84E+01	1000	1400	mg/kg OC	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Pyrene	6.60E-01	2.1	3.14E+01	1000	1400	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Pyrene	5.80E-01 J	1.33	4.36E+01	1000	1400	mg/kg OC	<1	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Pyrene	5.20E-01	2	2.60E+01	1000	1400	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Pyrene	5.00E-01	1.88	2.66E+01	1000	1400	mg/kg OC	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Pyrene	4.90E-01	1.9	2.58E+01	1000	1400	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Pyrene	4.70E-01 J	1.62	2.90E+01	1000	1400	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Pyrene	4.60E-01	1.9	2.42E+01	1000	1400	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Pyrene	4.30E-01	2.18	1.97E+01	1000	1400	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Pyrene	4.20E-01	1.81	2.32E+01	1000	1400	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Pyrene	4.10E-01	1.8	2.28E+01	1000	1400	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Pyrene	4.10E-01	2.52	1.63E+01	1000	1400	mg/kg OC	<1	<1
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Pyrene	3.80E-01	1.5	2.53E+01	1000	1400	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Pyrene	3.70E-01	1.47	2.52E+01	1000	1400	mg/kg OC	<1	<1
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Pyrene	2.90E-01	1.8	1.61E+01	1000	1400	mg/kg OC	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Pyrene	2.60E-01	1.5	1.73E+01	1000	1400	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Pyrene	2.60E-01	2.3	1.13E+01	1000	1400	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Pyrene	2.40E-01	1.8	1.33E+01	1000	1400	mg/kg OC	<1	<1
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Pyrene	2.30E-01	2.4	9.58E+00	1000	1400	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	8 - 10	Pyrene	2.10E-01	1.53	1.37E+01	1000	1400	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Pyrene	2.10E-01	2.4	8.75E+00	1000	1400	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	8 - 10	Pyrene	1.50E-01	1.55	9.68E+00	1000	1400	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Pyrene	1.40E-01	1.82	7.69E+00	1000	1400	mg/kg OC	<1	<1
Hardie Gypsum Round 2	E	7/15/1999	0 - 3	Pyrene	1.10E-01	1.5	7.33E+00	1000	1400	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Pyrene	9.00E-02	2.34	3.85E+00	1000	1400	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Silver	2.60E+00	3.34		6.1	6.1	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Silver	2.20E+00	1.62		6.1	6.1	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Silver	1.70E+00	1.33		6.1	6.1	mg/kg DW	<1	<1

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Silver	1.50E+00	2.4		6.1	6.1	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Silver	1.40E+00	2.1		6.1	6.1	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Silver	1.30E+00	1.9		6.1	6.1	mg/kg DW	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Silver	1.20E+00	1.5		6.1	6.1	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Silver	1.10E+00	1.88		6.1	6.1	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Silver	1.10E+00	1.16		6.1	6.1	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Silver	1.00E+00	1.47		6.1	6.1	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Silver	1.00E+00	2.3		6.1	6.1	mg/kg DW	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Silver	9.70E-01	2.1		6.1	6.1	mg/kg DW	<1	<1
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Silver	9.60E-01	2.4		6.1	6.1	mg/kg DW	<1	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Silver	8.50E-01	2		6.1	6.1	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Silver	8.00E-01	1.9		6.1	6.1	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Silver	5.00E-01	1.81		6.1	6.1	mg/kg DW	<1	<1
Hardie Gypsum Round 2	E	7/15/1999	0 - 3	Silver	4.00E-01	1.5		6.1	6.1	mg/kg DW	<1	<1
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Silver	3.10E-01	1.8		6.1	6.1	mg/kg DW	<1	<1
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Silver	2.90E-01	1.5		6.1	6.1	mg/kg DW	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Silver	2.50E-01	1.8		6.1	6.1	mg/kg DW	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Silver	2.40E-01	1.8		6.1	6.1	mg/kg DW	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Silver	2.30E-01	1.9		6.1	6.1	mg/kg DW	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Silver	2.10E-01	1.9		6.1	6.1	mg/kg DW	<1	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Silver	1.80E-01	1.9		6.1	6.1	mg/kg DW	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Silver	1.40E-01	1.82		6.1	6.1	mg/kg DW	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Silver	8.00E-02	2.34		6.1	6.1	mg/kg DW	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Thallium	7.00E+00	2.34						
EPA Site Inspection	DR101	9/21/1998	0 - 2	Tin	4.00E+00	1.82	2.20E+02					
EPA Site Inspection	DR101	9/21/1998	2 - 4	Tin	3.00E+00	2.34	1.28E+02					
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Total aldrin/dieldrin (calc'd)	1.10E-02	1.8	6.11E-01					
Hardie Gypsum Round 2	E	7/15/1999	0 - 3	Total aldrin/dieldrin (calc'd)	7.80E-03	1.5	5.20E-01					
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Total aldrin/dieldrin (calc'd)	3.30E-03	1.5	2.20E-01					
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Total aldrin/dieldrin (calc'd)	3.30E-03	1.9	1.74E-01					
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Total aldrin/dieldrin (calc'd)	2.60E-03	1.9	1.37E-01					
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Total aldrin/dieldrin (calc'd)	2.50E-03	1.9	1.32E-01					
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Total HPAH (calc'd)	1.35E+01	2.13	6.34E+02	960	5300	mg/kg OC	<1	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Total HPAH (calc'd)	9.40E+00	1.9	4.95E+02	960	5300	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Total HPAH (calc'd)	8.10E+00	2.1	3.86E+02	960	5300	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Total HPAH (calc'd)	7.40E+00 J	1.16	6.38E+02	960	5300	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Total HPAH (calc'd)	4.30E+00 J	3.34	1.29E+02	960	5300	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Total HPAH (calc'd)	3.40E+00 J	1.9	1.79E+02	960	5300	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Total HPAH (calc'd)	2.55E+00	2.52	1.01E+02	960	5300	mg/kg OC	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Total HPAH (calc'd)	2.46E+00	1.9	1.29E+02	960	5300	mg/kg OC	<1	<1

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Total HPAH (calc'd)	2.12E+00	1.8	1.18E+02	960	5300	mg/kg OC	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Total HPAH (calc'd)	2.07E+00	2.1	9.86E+01	960	5300	mg/kg OC	<1	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Total HPAH (calc'd)	2.07E+00	2	1.04E+02	960	5300	mg/kg OC	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Total HPAH (calc'd)	2.06E+00	1.9	1.08E+02	960	5300	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Total HPAH (calc'd)	2.05E+00 J	1.88	1.09E+02	960	5300	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Total HPAH (calc'd)	2.05E+00 J	2.18	9.40E+01	960	5300	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Total HPAH (calc'd)	2.05E+00	1.9	1.08E+02	960	5300	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Total HPAH (calc'd)	1.96E+00 J	1.62	1.21E+02	960	5300	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Total HPAH (calc'd)	1.85E+00	1.47	1.26E+02	960	5300	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Total HPAH (calc'd)	1.57E+00 J	1.81	8.67E+01	960	5300	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Total HPAH (calc'd)	1.36E+00	1.8	7.56E+01	960	5300	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Total HPAH (calc'd)	1.28E+00 J	1.33	9.62E+01	960	5300	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Total HPAH (calc'd)	1.26E+00	2.3	5.48E+01	960	5300	mg/kg OC	<1	<1
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Total HPAH (calc'd)	1.16E+00	1.5	7.73E+01	960	5300	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	8 - 10	Total HPAH (calc'd)	1.12E+00 J	1.53	7.32E+01	960	5300	mg/kg OC	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Total HPAH (calc'd)	1.10E+00	1.5	7.33E+01	960	5300	mg/kg OC	<1	<1
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Total HPAH (calc'd)	1.02E+00	2.4	4.25E+01	960	5300	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	8 - 10	Total HPAH (calc'd)	8.90E-01 J	1.55	5.74E+01	960	5300	mg/kg OC	<1	<1
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Total HPAH (calc'd)	8.50E-01	1.8	4.72E+01	960	5300	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Total HPAH (calc'd)	7.40E-01	2.4	3.08E+01	960	5300	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Total HPAH (calc'd)	6.10E-01	1.82	3.35E+01	960	5300	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Total HPAH (calc'd)	4.00E-01	2.34	1.71E+01	960	5300	mg/kg OC	<1	<1
Hardie Gypsum Round 2	E	7/15/1999	0 - 3	Total HPAH (calc'd)	2.30E-01	1.5	1.53E+01	960	5300	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Total LPAH (calc'd)	7.50E+00	1.16	6.47E+02	370	780	mg/kg OC	1.7	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Total LPAH (calc'd)	3.90E+00	2.1	1.86E+02	370	780	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	4 - 6	Total LPAH (calc'd)	3.40E+00	2.13	1.60E+02	370	780	mg/kg OC	<1	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Total LPAH (calc'd)	3.00E+00	1.9	1.58E+02	370	780	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Total LPAH (calc'd)	1.90E+00	1.9	1.00E+02	370	780	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Total LPAH (calc'd)	1.24E+00	1.47	8.44E+01	370	780	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Total LPAH (calc'd)	1.22E+00	3.34	3.65E+01	370	780	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Total LPAH (calc'd)	4.30E-01 J	1.62	2.65E+01	370	780	mg/kg OC	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Total LPAH (calc'd)	2.80E-01	1.9	1.47E+01	370	780	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Total LPAH (calc'd)	2.60E-01	1.9	1.37E+01	370	780	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	8 - 10	Total LPAH (calc'd)	2.40E-01 J	1.53	1.57E+01	370	780	mg/kg OC	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Total LPAH (calc'd)	2.30E-01	1.9	1.21E+01	370	780	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Total LPAH (calc'd)	2.20E-01	2.4	9.17E+00	370	780	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Total LPAH (calc'd)	2.10E-01 J	1.88	1.12E+01	370	780	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Total LPAH (calc'd)	2.10E-01	2.52	8.33E+00	370	780	mg/kg OC	<1	<1
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Total LPAH (calc'd)	2.00E-01	2	1.00E+01	370	780	mg/kg OC	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Total LPAH (calc'd)	2.00E-01 J	1.5	1.33E+01	370	780	mg/kg OC	<1	<1

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	8 - 10	Total LPAH (calc'd)	1.90E-01 J	1.55	1.23E+01	370	780	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Total LPAH (calc'd)	1.60E-01	1.8	8.89E+00	370	780	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Total LPAH (calc'd)	1.51E-01 J	1.33	1.14E+01	370	780	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Total LPAH (calc'd)	1.50E-01	2.34	6.41E+00	370	780	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Total LPAH (calc'd)	1.50E-01 J	2.18	6.88E+00	370	780	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Total LPAH (calc'd)	1.30E-01 J	1.81	7.18E+00	370	780	mg/kg OC	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Total LPAH (calc'd)	1.19E-01	2.3	5.17E+00	370	780	mg/kg OC	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Total LPAH (calc'd)	1.09E-01	2.1	5.19E+00	370	780	mg/kg OC	<1	<1
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Total LPAH (calc'd)	1.00E-01	1.5	6.67E+00	370	780	mg/kg OC	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Total LPAH (calc'd)	1.00E-01	1.8	5.56E+00	370	780	mg/kg OC	<1	<1
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Total LPAH (calc'd)	9.30E-02	1.8	5.17E+00	370	780	mg/kg OC	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Total LPAH (calc'd)	9.00E-02	1.82	4.95E+00	370	780	mg/kg OC	<1	<1
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Total LPAH (calc'd)	6.60E-02	2.4	2.75E+00	370	780	mg/kg OC	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Tributyltin as ion	4.90E-02	2.18	2.25E+00					
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Tributyltin as ion	4.60E-02	2.52	1.83E+00					
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Vanadium	7.67E+01	1.16	6.61E+03					
EPA Site Inspection	DR101	9/21/1998	0 - 2	Vanadium	7.60E+01	1.82	4.18E+03					
EPA Site Inspection	DR101	9/21/1998	2 - 4	Vanadium	7.60E+01	2.34	3.25E+03					
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Vanadium	7.52E+01	2.52	2.98E+03					
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Vanadium	7.26E+01	1.88	3.86E+03					
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Vanadium	7.16E+01	3.34	2.14E+03					
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Vanadium	7.15E+01	1.47	4.86E+03					
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Vanadium	7.10E+01	2.1	3.38E+03					
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Vanadium	7.03E+01	1.33	5.29E+03					
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Vanadium	6.95E+01	1.62	4.29E+03					
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Vanadium	6.80E+01	2.18	3.12E+03					
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Vanadium	6.80E+01	1.81	3.76E+03					
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	2.8 - 4	Vanadium	3.61E+01	0.11	3.28E+04					
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	1 - 2	Zinc	2.87E+02	1.16		410	960	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	0 - 2	Zinc	2.36E+02	3.34		410	960	mg/kg DW	<1	<1
Lone Star and Hardie Gypsum	c-2	6/23/1995	0 - 5	Zinc	1.80E+02	1.8		410	960	mg/kg DW	<1	<1
Lone Star and Hardie Gypsum	c-1	6/23/1995	0 - 4	Zinc	1.70E+02	1.8		410	960	mg/kg DW	<1	<1
Hardie Gypsum Round 2	C	7/15/1999	0 - 3	Zinc	1.60E+02	1.9		410	960	mg/kg DW	<1	<1
Hardie Gypsum Round 2	D	7/15/1999	0 - 3	Zinc	1.60E+02	1.8		410	960	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	2 - 4	Zinc	1.60E+02	1.47		410	960	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	0 - 1.5	Zinc	1.43E+02	1.88		410	960	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	0 - 1	Zinc	1.39E+02	2.52		410	960	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC32	2/10/2006	0 - 1	Zinc	1.36E+02	1.81		410	960	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S6	8/26/1999	0 - 4	Zinc	1.34E+02	1.9		410	960	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31	2/16/2006	1 - 2.8	Zinc	1.31E+02	2.18		410	960	mg/kg DW	<1	<1

Table A-2
Chemicals Detected in Subsurface Sediment Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Event Name	Location Name	Date Collected	Sample Depth (feet)	Chemical	Conc'n (mg/kg DW)	TOC %	Conc'n (mg/kg OC)	SQS	CSL	Units	SQS Exceedance Factor	CSL Exceedance Factor
Hardie Gypsum Round 1	4	11/28/1998	0 - 4	Zinc	1.30E+02	2		410	960	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S8	8/26/1999	0 - 4	Zinc	1.24E+02	2.3		410	960	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S12	8/26/1999	0 - 4	Zinc	1.22E+02	2.4		410	960	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	4 - 6	Zinc	1.21E+02	2.1		410	960	mg/kg DW	<1	<1
Hardie Gypsum Round 1	3	11/28/1998	0 - 4	Zinc	1.20E+02	2.1		410	960	mg/kg DW	<1	<1
Hardie Gypsum Round 2	4	7/15/1999	0 - 3	Zinc	1.20E+02	1.9		410	960	mg/kg DW	<1	<1
Hardie Gypsum Round 1	5	11/28/1998	0 - 4	Zinc	1.20E+02	2.4		410	960	mg/kg DW	<1	<1
Hardie Gypsum Round 2	5.2	7/15/1999	0 - 3	Zinc	1.20E+02	1.9		410	960	mg/kg DW	<1	<1
Hardie Gypsum Round 2	E	7/15/1999	0 - 3	Zinc	1.20E+02	1.5		410	960	mg/kg DW	<1	<1
PSDDA Sediment Characterization	S10	8/26/1999	0 - 4	Zinc	1.15E+02	1.9		410	960	mg/kg DW	<1	<1
Hardie Gypsum Round 2	3	7/15/1999	0 - 3	Zinc	1.10E+02	1.5		410	960	mg/kg DW	<1	<1
PSDDA Sediment Characterization	B1	8/26/1999	4 - 8	Zinc	9.97E+01	1.5		410	960	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC201	2/10/2006	1.5 - 4	Zinc	9.80E+01	1.33		410	960	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC33	2/10/2006	2 - 4	Zinc	9.40E+01	1.62		410	960	mg/kg DW	<1	<1
EPA Site Inspection	DR101	9/21/1998	0 - 2	Zinc	7.30E+01	1.82		410	960	mg/kg DW	<1	<1
EPA Site Inspection	DR101	9/21/1998	2 - 4	Zinc	5.90E+01	2.34		410	960	mg/kg DW	<1	<1
LDW Subsurface Sediment 2006	LDW-SC31 [a]	2/16/2006	2.8 - 4	Zinc	1.85E+01	0.11		1600	410	mg/kg DW	<1	<1

Table presents detected chemicals only. Sampling events are listed in Table 1.
Exceedance factors are the ratio of the detected concentrations to the CSL or SQS; exceedance factors are shown only if they are greater than 1.

mg/kg - Milligram per kilogram
ug/kg - Microgram per kilogram
DW - Dry weight
TOC - Total Organic Carbon
OC - Organic carbon normalized
SQS - SMS Sediment Quality Standard
CSL - SMS Cleanup Screening Level

PAH - Polycyclic aromatic hydrocarbon
Total HPAH - Total high molecular weight PAH
Total LPAH - Total low molecular weight PAH
PCB - Polychlorinated biphenyl
J - Estimated value between the method detection limit and the laboratory reporting limit
SMS - Sediment Management Standard (Washington Administrative Code 173-204)
NA - Not Applicable

[a] Due to the high TOC in this sample, results were compared to the Lowest Apparent Effects Threshold (LAET) value rather than the SQS and/or CSL (Ecology 1996e). In most cases the Benthic LAET value replaced the CSL value and the Microtox LAET value replaced the SQS value. In some cases one or the other of these values was not available and therefore was not reported in the table.

Table A-3
Chemicals Detected in Seep Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Source	Sample Location	Date Collected	Chemical	Conc'n (ug/L)	Marine Chronic WQS	Marine Acute WQS	Chronic WQS Exceedance Factor	Sediment Screening Level (Based on CSL)[a]	GW-to-Sediment Screening Level Exceedance Factor
Filtered Samples									
Windward 2004	SP-82	7/1/2004	Arsenic	1.2	36	69	<1	370	<1
Windward 2004	SP-82 (Dup)	7/1/2004	Arsenic	1.14	36	69	<1	370	<1
Windward 2004	SP-82	7/1/2004	Cadmium	0.513	9.3	42	<1	3.4	<1
Windward 2004	SP-82 (Dup)	7/1/2004	Cadmium	0.503	9.3	42	<1	3.4	<1
Windward 2004	SP-82 (Dup)	7/1/2004	Copper	8.27 J	3.1	4.8	2.7	120	<1
Windward 2004	SP-82	7/1/2004	Copper	8.22 J	3.1	4.8	2.7	120	<1
Windward 2004	SP-82	7/1/2004	Lead	0.206	8.1	210	<1	13	<1
Windward 2004	SP-82 (Dup)	7/1/2004	Lead	0.201	8.1	210	<1	13	<1
Windward 2004	SP-82	7/1/2004	Mercury	0.0038	0.03	1.8	<1	0.0	<1
Windward 2004	SP-82 (Dup)	7/1/2004	Mercury	0.003	0.03	1.8	<1	0.0	<1
Windward 2004	SP-82	7/1/2004	Nickel	3.56	8.2	74	<1		
Windward 2004	SP-82 (Dup)	7/1/2004	Nickel	3.36	8.2	74	<1		
Windward 2004	SP-82	7/1/2004	Silver	0.113	NA	1.9		1.5	<1
Windward 2004	SP-82 (Dup)	7/1/2004	Silver	0.084	NA	1.9		1.5	<1
Windward 2004	SP-82	7/1/2004	Zinc	164	81	90	2.0	76	2.2
Windward 2004	SP-82 (Dup)	7/1/2004	Zinc	158	81	90	2.0	76	2.1
Unfiltered Samples									
Windward 2004	SP-82 (Dup)	7/1/2004	Arsenic	2.2	36	69	<1	370	<1
Windward 2004	SP-82	7/1/2004	Arsenic	1.55	36	69	<1	370	<1
Windward 2004	SP-82	7/1/2004	Arsenic	1.36	36	69	<1	370	<1
Windward 2004	SP-82 (Dup)	7/1/2004	Cadmium	0.606	9.3	42	<1	3.4	<1
Windward 2004	SP-82	7/1/2004	Cadmium	0.569	9.3	42	<1	3.4	<1
Windward 2004	SP-82 (Dup)	7/1/2004	Copper	13.4 J	3.1	4.8	4.3	120	<1
Windward 2004	SP-82	7/1/2004	Copper	10.9 J	3.1	4.8	3.5	120	<1
Windward 2004	SP-82 (Dup)	7/1/2004	Lead	8.29	8.1	210	1.0	13	<1
Windward 2004	SP-82	7/1/2004	Lead	2.31	8.1	210	<1	13	<1
Windward 2004	SP-82	7/1/2004	Mercury	0.0168	0.03	1.8	<1	0.0074	2.3
Windward 2004	SP-82 (Dup)	7/1/2004	Mercury	0.0117	0.03	1.8	<1	0.0074	1.6
Windward 2004	SP-82 (Dup)	7/1/2004	Nickel	6.12	8.2	74	<1		

Table A-3
Chemicals Detected in Seep Samples
RM 1.7-2.0 East (Slip 2 to Slip 3)

Source	Sample Location	Date Collected	Chemical	Conc'n (ug/L)	Marine Chronic WQS	Marine Acute WQS	Chronic WQS Exceedance Factor	Sediment Screening Level (Based on CSL)[a]	GW-to-Sediment Screening Level Exceedance Factor
Windward 2004	SP-82	7/1/2004	Nickel	5.83	8.2	74	<1		
Windward 2004	SP-82 (Dup)	7/1/2004	Silver	0.126	NA	1.9		1.5	<1
Windward 2004	SP-82	7/1/2004	Silver	0.088	NA	1.9		1.5	<1
Windward 2004	SP-82 (Dup)	7/1/2004	Zinc	201	81	90	2.5	76	2.6
Windward 2004	SP-82	7/1/2004	Zinc	186	81	90	2.3	76	2.4

Table presents detected chemicals only.
Exceedance factors are the ratio of the detected concentration to the screening level; exceedance factors are shown only if they are greater than or equal to 1.

ug/L - Microgram per Liter
WQS - Water Quality Standards, November 2006
CSL - SMS Cleanup Screening Level
Dup - Laboratory Duplicate Sample
J - Estimated value between the method detection limit and the laboratory reporting limit
SMS - Sediment Management Standard (Washington Administrative Code 173-204)

[a] - Groundwater-to-sediment screening level, based on sediment CSLs (from SAIC 2006).