Appendix B: Chemistry Results

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Table B-1. 2006 Sediment Chemistry Results, Post Operation Year One Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-01 Sampled: Apr 17, 2006 Lab ID: L38758-1 Dry Weight Basis					Locator: DWMP-02 Sampled: Apr 17, 2006 Lab ID: L38758-2 Dry Weight Basis					Locator: DWMP-03 Sampled: Apr 17, 2006 Lab ID: L38758-3 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
M=CV ASTM D422(03-02-005-001)															
Fines *	53.7		0.5	1	%	30.1		0.5	1	%	44.1		0.5	1	%
Clay *	13.4		0.5	1	%	7.1		0.5	1	%	9.9		0.5	1	%
Silt *	40.3		0.5	1	%	23		0.5	1	%	34.2		0.5	1	%
Sand *	32.9		0.1	1	%	51.1		0.1	1	%	44.4		0.1	1	%
Gravel *	7.4	E	0.1	1	%	8.3	E	0.1	1	%	4.6	E	0.1	1	%
p-2.00(less than) *	4.6		0.1	1	%	3.2		0.1	1	%	1.8		0.1	1	%
p-2.00 *	0.4	<RDL	0.1	1	%	1.6		0.1	1	%	1.2		0.1	1	%
p-1.00 *	2.5		0.1	1	%	3.5		0.1	1	%	1.6		0.1	1	%
p+0.00 *	2.1		0.1	1	%	3.2		0.1	1	%	1.3		0.1	1	%
p+1.00 *	1.7		0.1	1	%	5.6		0.1	1	%	3.1		0.1	1	%
p+2.00 *	2.7		0.1	1	%	13.8		0.1	1	%	11.2		0.1	1	%
p+3.00 *	8.1		0.1	1	%	14.5		0.1	1	%	12		0.1	1	%
p+4.00 *	18.3		0.1	1	%	14.1		0.1	1	%	16.8		0.1	1	%
p+5.00 *	20.2		0.5	1	%	9.7		0.5	1	%	14.3		0.5	1	%
p+6.00 *	6.7		0.5	1	%	4.4		0.5	1	%	6.6		0.5	1	%
p+7.00 *	6.7		0.5	1	%	3.5		0.5	1	%	7.7		0.5	1	%
p+8.00 *	6.7		0.5	1	%	5.3		0.5	1	%	5.5		0.5	1	%
p+9.00 *	3.4		0.5	1	%	1.8		0.5	1	%	3.3		0.5	1	%
p+10.0(equal/more than) *	10.1		0.5	1	%	5.3		0.5	1	%	6.6		0.5	1	%
M=CV EPA 9030B (03-03-015-000)															
Total Sulfide	49.9		2.3	9.15	mg/Kg		<MDL	0.95	3.8	mg/Kg	2.9	<RDL	1.1	4.45	mg/Kg
M=CV EPA 9060-PSEP96 (03-04-002-003															
Total Organic Carbon	35000		3000	5810	mg/Kg	11300		1600	3110	mg/Kg	14700		1600	3270	mg/Kg
M=CV SM2540-G (03-01-007-002)															
Total Solids *	43.7		0.005	0.01	%	52.7		0.005	0.01	%	44.9		0.005	0.01	%
Total Volatile Solids	14.9		0.0114	0.0229	%	4.97		0.00949	0.019	%	6.55		0.0111	0.0223	%
M=CV SM4500-NH3-G(03-03-014-001)KCL															
Ammonia Nitrogen	6.00		1.1	2.29	mg/Kg	2.35		0.95	1.9	mg/Kg	2.52		1.1	2.23	mg/Kg
M=MT EPA 7471A (06-01-004-003)															
Mercury, Total, CVAA	0.602		0.048	0.471	mg/Kg	0.32	<RDL	0.038	0.374	mg/Kg	0.922		0.042	0.43	mg/Kg
M=MT EPA3050A/6010B (06-02-004-002)															
Antimony, Total, ICP		<MDL,G	3.4	17.1	mg/Kg		<MDL,G	2.8	14.2	mg/Kg		<MDL,G	3.3	16.7	mg/Kg
Arsenic, Total, ICP	11	<RDL	5.7	28.6	mg/Kg	7.4	<RDL	4.7	23.7	mg/Kg	7.8	<RDL	5.6	27.8	mg/Kg
Cadmium, Total, ICP	1.2	<RDL	0.34	1.71	mg/Kg		<MDL	0.28	1.42	mg/Kg	0.47	<RDL	0.33	1.67	mg/Kg
Chromium, Total, ICP	46.9		0.57	2.86	mg/Kg	35.9		0.47	2.37	mg/Kg	37.6		0.56	2.78	mg/Kg
Copper, Total, ICP	76.9		0.46	2.29	mg/Kg	43.3		0.38	1.89	mg/Kg	53.9		0.45	2.23	mg/Kg
Lead, Total, ICP	119		3.4	17.1	mg/Kg	58.3		2.8	14.2	mg/Kg	70.2		3.3	16.7	mg/Kg
Nickel, Total, ICP	38.9		2.3	11.4	mg/Kg	35.1		1.9	9.47	mg/Kg	35.6		2.2	11.1	mg/Kg
Silver, Total, ICP	4.51		0.46	2.29	mg/Kg	0.7	<RDL	0.38	1.89	mg/Kg	1.6	<RDL	0.45	2.23	mg/Kg
Zinc, Total, ICP	141		0.57	2.86	mg/Kg	88		0.47	2.37	mg/Kg	106		0.56	2.78	mg/Kg

Table B-1. 2006 Sediment Chemistry Results, Post Operation Year One Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-01 Sampled: Apr 17, 2006 Lab ID: L38758-1 Dry Weight Basis					Locator: DWMP-02 Sampled: Apr 17, 2006 Lab ID: L38758-2 Dry Weight Basis					Locator: DWMP-03 Sampled: Apr 17, 2006 Lab ID: L38758-3 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
M=OR EPA 3550B/8270C (7-3-01-004)															
1,2,4-Trichlorobenzene		<MDL	6.2	12.2	ug/Kg		<MDL	0.51	1.01	ug/Kg		<MDL	0.6	1.19	ug/Kg
1,2-Dichlorobenzene		<MDL	6.2	12.2	ug/Kg		<MDL	0.51	1.01	ug/Kg		<MDL	0.6	1.19	ug/Kg
1,3-Dichlorobenzene		<MDL	6.2	12.2	ug/Kg		<MDL	0.51	1.01	ug/Kg		<MDL	0.6	1.19	ug/Kg
1,4-Dichlorobenzene		<MDL	6.2	12.2	ug/Kg		<MDL	0.51	1.01	ug/Kg		<MDL	0.6	1.19	ug/Kg
2,4-Dimethylphenol		<MDL	62	122	ug/Kg		<MDL	5.1	10.1	ug/Kg		<MDL	6	11.9	ug/Kg
2-Methylnaphthalene		<MDL	62	122	ug/Kg	12.4		5.1	10.1	ug/Kg	11	<RDL	6	11.9	ug/Kg
2-Methylphenol		<MDL	120	245	ug/Kg		<MDL	10	20.3	ug/Kg		<MDL	12	23.8	ug/Kg
4-Methylphenol		<MDL	120	245	ug/Kg		<MDL	10	20.3	ug/Kg		<MDL	12	23.8	ug/Kg
Acenaphthene	100	<RDL	62	122	ug/Kg	41.9		5.1	10.1	ug/Kg	27.8		6	11.9	ug/Kg
Acenaphthylene	85	<RDL	62	122	ug/Kg	41		5.1	10.1	ug/Kg	34.5		6	11.9	ug/Kg
Anthracene	1370		62	122	ug/Kg	179		5.1	10.1	ug/Kg	188		6	11.9	ug/Kg
Benzo(a)anthracene	3460		62	122	ug/Kg	412		5.1	10.1	ug/Kg	443		6	11.9	ug/Kg
Benzo(a)pyrene	4460		62	122	ug/Kg	476		5.1	10.1	ug/Kg	461		6	11.9	ug/Kg
Benzo(b)fluoranthene	4260		62	122	ug/Kg	448		5.1	10.1	ug/Kg	492		6	11.9	ug/Kg
Benzo(g,h,i)perylene	1900		62	122	ug/Kg	281		5.1	10.1	ug/Kg	267		6	11.9	ug/Kg
Benzo(k)fluoranthene	4690		62	122	ug/Kg	565		5.1	10.1	ug/Kg	490		6	11.9	ug/Kg
Benzoic Acid		<MDL	300	611	ug/Kg	128		25	50.7	ug/Kg	145		29	59.5	ug/Kg
Benzyl Alcohol		<MDL	120	245	ug/Kg		<MDL	10	20.3	ug/Kg		<MDL	12	23.8	ug/Kg
Benzyl Butyl Phthalate	281		120	245	ug/Kg	60.5		10	20.3	ug/Kg	75.3		12	23.8	ug/Kg
Bis(2-Ethylhexyl)Phthalate	1620	B	120	245	ug/Kg	349	B	10	20.3	ug/Kg	568	B	12	23.8	ug/Kg
Caffeine		<MDL	120	245	ug/Kg		<MDL	10	20.3	ug/Kg		<MDL	12	23.8	ug/Kg
Carbazole	245		62	122	ug/Kg	61.7		5.1	10.1	ug/Kg	68.8		6	11.9	ug/Kg
Chrysene	6610		62	122	ug/Kg	575		5.1	10.1	ug/Kg	626		6	11.9	ug/Kg
Coprostanol		<MDL	1200	2450	ug/Kg		<MDL	100	203	ug/Kg		<MDL	120	238	ug/Kg
Dibenzo(a,h)anthracene	652		62	122	ug/Kg	89.9		5.1	10.1	ug/Kg	84.4		6	11.9	ug/Kg
Dibenzofuran	82	<RDL	62	122	ug/Kg	24.9		5.1	10.1	ug/Kg	20.5		6	11.9	ug/Kg
Diethyl Phthalate		<MDL	120	245	ug/Kg	12	<RDL	10	20.3	ug/Kg		<MDL	12	23.8	ug/Kg
Dimethyl Phthalate		<MDL	120	245	ug/Kg		<MDL	10	20.3	ug/Kg		<MDL	12	23.8	ug/Kg
Di-N-Butyl Phthalate	249	B	120	245	ug/Kg	167	B	10	20.3	ug/Kg	214	B	12	23.8	ug/Kg
Di-N-Octyl Phthalate		<MDL	120	245	ug/Kg		<MDL	10	20.3	ug/Kg		<MDL	12	23.8	ug/Kg
Fluoranthene	4550		62	122	ug/Kg	884		5.1	10.1	ug/Kg	824		6	11.9	ug/Kg
Fluorene	339		62	122	ug/Kg	65.5		5.1	10.1	ug/Kg	52.1		6	11.9	ug/Kg
Hexachlorobenzene		<MDL	12	24.5	ug/Kg		<MDL	1	2.03	ug/Kg		<MDL	1.2	2.38	ug/Kg
Hexachlorobutadiene		<MDL	30	61.1	ug/Kg		<MDL	2.5	5.07	ug/Kg		<MDL	2.9	5.95	ug/Kg
Hexachloroethane		<MDL	30	61.1	ug/Kg		<MDL	2.5	5.07	ug/Kg		<MDL	2.9	5.95	ug/Kg
Indeno(1,2,3-Cd)Pyrene	1970		62	122	ug/Kg	262		5.1	10.1	ug/Kg	254		6	11.9	ug/Kg
Naphthalene	66	<RDL	62	122	ug/Kg	15.4		5.1	10.1	ug/Kg	19.4		6	11.9	ug/Kg
N-Nitrosodiphenylamine		<MDL	120	245	ug/Kg		<MDL	10	20.3	ug/Kg		<MDL	12	23.8	ug/Kg
Pentachlorophenol		<MDL	300	611	ug/Kg		<MDL	25	50.7	ug/Kg		<MDL	29	59.5	ug/Kg
Phenanthrene	2000		62	122	ug/Kg	565		5.1	10.1	ug/Kg	350		6	11.9	ug/Kg

Table B-1. 2006 Sediment Chemistry Results, Post Operation Year One Sediment Monitoring

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	Locator: DWMP-01 Sampled: Apr 17, 2006 Lab ID: L38758-1 Dry Weight Basis					Locator: DWMP-02 Sampled: Apr 17, 2006 Lab ID: L38758-2 Dry Weight Basis					Locator: DWMP-03 Sampled: Apr 17, 2006 Lab ID: L38758-3 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Phenol		<MDL,E	120	245	ug/Kg		<MDL,E	10	20.3	ug/Kg	14	<RDL,E	12	23.8	ug/Kg
Pyrene	4050		62	122	ug/Kg	820		5.1	10.1	ug/Kg	762		6	11.9	ug/Kg
Total HPAHS	36600		62	122	ug/Kg	4820		5.1	10.1	ug/Kg	4700		6	11.9	ug/Kg
Total LPAHs	4000		62	122	ug/Kg	920		5.1	10.1	ug/Kg	682		6	11.9	ug/Kg
M=OR EPA 8081A/8082 (7-3-03-002)															
4,4'-DDD	14.5	L	2.3	4.58	ug/Kg	3	<RDL	1.9	3.8	ug/Kg	11.1		2.2	4.45	ug/Kg
4,4'-DDE		<MDL,L	2.3	4.58	ug/Kg		<MDL	1.9	3.8	ug/Kg		<MDL	2.2	4.45	ug/Kg
4,4'-DDT	27.2	L	2.3	4.58	ug/Kg		<MDL	1.9	3.8	ug/Kg		<MDL	2.2	4.45	ug/Kg
Aldrin		<MDL,L	2.3	4.58	ug/Kg		<MDL	1.9	3.8	ug/Kg		<MDL	2.2	4.45	ug/Kg
Alpha-BHC		<MDL,L	1.1	2.29	ug/Kg		<MDL	0.95	1.9	ug/Kg		<MDL	1.1	2.23	ug/Kg
Alpha-Chlordane	2.63	E,L	1.1	2.29	ug/Kg		<MDL,E	0.95	1.9	ug/Kg	2.27	E	1.1	2.23	ug/Kg
Aroclor 1016		<MDL,L,TA	59	119	ug/Kg		<MDL,TA	11	21.3	ug/Kg		<MDL,TA	21	42.5	ug/Kg
Aroclor 1221		<MDL,L	5.7	11.4	ug/Kg		<MDL	4.7	9.49	ug/Kg		<MDL	5.6	11.1	ug/Kg
Aroclor 1232		<MDL,L,TA	110	231	ug/Kg		<MDL	4.7	9.49	ug/Kg		<MDL,TA	33	68.8	ug/Kg
Aroclor 1242		<MDL,L,TA	190	387	ug/Kg		<MDL,TA	28	56.2	ug/Kg		<MDL,TA	60	118	ug/Kg
Aroclor 1248	132	L	3	5.72	ug/Kg	19.5		2.5	4.74	ug/Kg	51		2.9	5.57	ug/Kg
Aroclor 1254	240	L	3	5.72	ug/Kg	58.4		2.5	4.74	ug/Kg	138		2.9	5.57	ug/Kg
Aroclor 1260	162	L	3	5.72	ug/Kg	56.9		2.5	4.74	ug/Kg	97.3		2.9	5.57	ug/Kg
Beta-BHC		<MDL,L	1.1	2.29	ug/Kg		<MDL	0.95	1.9	ug/Kg		<MDL	1.1	2.23	ug/Kg
Delta-BHC		<MDL,L	1.1	2.29	ug/Kg		<MDL	0.95	1.9	ug/Kg		<MDL	1.1	2.23	ug/Kg
Dieldrin		<MDL,L	2.3	4.58	ug/Kg		<MDL	1.9	3.8	ug/Kg		<MDL	2.2	4.45	ug/Kg
Endosulfan I		<MDL,L	2.3	4.58	ug/Kg		<MDL	1.9	3.8	ug/Kg		<MDL	2.2	4.45	ug/Kg
Endosulfan II		<MDL,L	2.3	4.58	ug/Kg		<MDL	1.9	3.8	ug/Kg		<MDL	2.2	4.45	ug/Kg
Endosulfan Sulfate		<MDL,L	2.3	4.58	ug/Kg		<MDL,L	1.9	3.8	ug/Kg		<MDL,L	2.2	4.45	ug/Kg
Endrin		<MDL,L	2.3	4.58	ug/Kg		<MDL	1.9	3.8	ug/Kg		<MDL	2.2	4.45	ug/Kg
Endrin Aldehyde		<MDL,L	4.6	9.15	ug/Kg		<MDL	3.8	7.59	ug/Kg		<MDL	4.5	8.91	ug/Kg
Gamma-BHC (Lindane)		<MDL,L	1.1	2.29	ug/Kg		<MDL	0.95	1.9	ug/Kg		<MDL	1.1	2.23	ug/Kg
Gamma-Chlordane		<MDL,L	1.1	2.29	ug/Kg		<MDL	0.95	1.9	ug/Kg		<MDL	1.1	2.23	ug/Kg
Heptachlor		<MDL,L	1.1	2.29	ug/Kg		<MDL	0.95	1.9	ug/Kg		<MDL	1.1	2.23	ug/Kg
Heptachlor Epoxide		<MDL,L	1.1	2.29	ug/Kg		<MDL	0.95	1.9	ug/Kg		<MDL	1.1	2.23	ug/Kg
Methoxychlor		<MDL,L	11	22.9	ug/Kg		<MDL,L	9.5	19	ug/Kg		<MDL,L	11	22.3	ug/Kg
Toxaphene		<MDL,L	23	45.8	ug/Kg		<MDL	19	38	ug/Kg		<MDL	22	44.5	ug/Kg
M=OR EPA 8260B (7-3-02-002)															
1,1,2-Trichloroethylene		<MDL	2.3	4.58	ug/Kg		<MDL	1.9	3.8	ug/Kg		<MDL	2.2	4.45	ug/Kg
Ethylbenzene		<MDL	2.3	4.58	ug/Kg		<MDL	1.9	3.8	ug/Kg		<MDL	2.2	4.45	ug/Kg
Tetrachloroethylene		<MDL	2.3	4.58	ug/Kg		<MDL	1.9	3.8	ug/Kg		<MDL	2.2	4.45	ug/Kg
Total Xylenes		<MDL	2.3	4.58	ug/Kg		<MDL	1.9	3.8	ug/Kg		<MDL	2.2	4.45	ug/Kg

* Not converted to dry weight basis for this parameter

Table B-1. 2006 Sediment Chemistry Results, Post Operation Year One Sediment Monitoring

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	Locator: DWMP-04 Sampled: Apr 19, 2006 Lab ID: L38758-4 Dry Weight Basis					Locator: DWMP-05 Sampled: Apr 17, 2006 Lab ID: L38758-5 Dry Weight Basis					Locator: DWMP-06 Sampled: Apr 17, 2006 Lab ID: L38758-6 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
M=CV ASTM D422(03-02-005-001)															
Fines *	52.5		0.5	1	%	2.8		0.5	1	%	28.1		0.5	1	%
Clay *	16.3		0.5	1	%	0.7	<RDL	0.5	1	%	6.6		0.5	1	%
Silt *	36.2		0.5	1	%	2.1		0.5	1	%	21.5		0.5	1	%
Sand *	42.2		0.1	1	%	33.3		0.1	1	%	67.2		0.1	1	%
Gravel *	10.8	E	0.1	1	%	62.5	E	0.1	1	%	1.2	E	0.1	1	%
p-2.00(less than) *	4.4		0.1	1	%	30.6		0.1	1	%	0.3	<RDL	0.1	1	%
p-2.00 *	1.3		0.1	1	%	7.7		0.1	1	%		<MDL	0.1	1	%
p-1.00 *	5.1		0.1	1	%	24.2		0.1	1	%	0.9	<RDL	0.1	1	%
p+0.00 *	3.4		0.1	1	%	12.9		0.1	1	%	1.7		0.1	1	%
p+1.00 *	4.4		0.1	1	%	7		0.1	1	%	9.2		0.1	1	%
p+2.00 *	11.9		0.1	1	%	6.6		0.1	1	%	35.1		0.1	1	%
p+3.00 *	12.8		0.1	1	%	4.4		0.1	1	%	15.2		0.1	1	%
p+4.00 *	9.8		0.1	1	%	2.5		0.1	1	%	6.1		0.1	1	%
p+5.00 *	16.3		0.5	1	%	1.4		0.5	1	%	9.4		0.5	1	%
p+6.00 *	6.3		0.5	1	%		<MDL	0.5	1	%	3.7		0.5	1	%
p+7.00 *	8.2		0.5	1	%		<MDL	0.5	1	%	4.7		0.5	1	%
p+8.00 *	5.4		0.5	1	%	0.7	<RDL	0.5	1	%	3.7		0.5	1	%
p+9.00 *	6.3		0.5	1	%	0.7	<RDL	0.5	1	%	2.8		0.5	1	%
p+10.0(equal/more than) *	10		0.5	1	%		<MDL	0.5	1	%	3.7		0.5	1	%
M=CV EPA 9030B (03-03-015-000)															
Total Sulfide	6.33		0.9	3.6	mg/Kg	43.9		3.3	13.3	mg/Kg	26.8		1.9	7.72	mg/Kg
M=CV EPA 9060-PSEP96 (03-04-002-003															
Total Organic Carbon	8920		1300	2590	mg/Kg	8500		1300	2630	mg/Kg	13600		1600	3280	mg/Kg
M=CV SM2540-G (03-01-007-002)															
Total Solids *	55.6		0.005	0.01	%	75.4		0.005	0.01	%	51.8		0.005	0.01	%
Total Volatile Solids	4.66		0.00899	0.018	%	2.67		0.00663	0.0133	%	5.37		0.00965	0.0193	%
M=CV SM4500-NH3-G(03-03-014-001)KCL															
Ammonia Nitrogen	1.94		0.9	1.8	mg/Kg	7.29		0.66	1.33	mg/Kg	3.61		0.97	1.93	mg/Kg
M=MT EPA 7471A (06-01-004-003)															
Mercury, Total, CVAA	0.32	<RDL	0.036	0.367	mg/Kg	0.061	<RDL	0.027	0.269	mg/Kg	0.19	<RDL	0.039	0.394	mg/Kg
M=MT EPA3050A/6010B (06-02-004-002)															
Antimony, Total, ICP		<MDL,G	2.7	13.5	mg/Kg		<MDL,G	2	9.91	mg/Kg		<MDL,G	2.9	14.5	mg/Kg
Arsenic, Total, ICP	7.2	<RDL	4.5	22.5	mg/Kg	7.3	<RDL	3.3	16.6	mg/Kg	5.6	<RDL	4.8	24.1	mg/Kg
Cadmium, Total, ICP		<MDL	0.27	1.35	mg/Kg	0.58	<RDL	0.2	0.991	mg/Kg		<MDL	0.29	1.45	mg/Kg
Chromium, Total, ICP	43.3		0.45	2.25	mg/Kg	21.2		0.33	1.66	mg/Kg	26.3		0.48	2.41	mg/Kg
Copper, Total, ICP	42.8		0.36	1.8	mg/Kg	38.6		0.27	1.32	mg/Kg	34.6		0.39	1.93	mg/Kg
Lead, Total, ICP	43.5		2.7	13.5	mg/Kg	46		2	9.91	mg/Kg	30.5		2.9	14.5	mg/Kg
Nickel, Total, ICP	44.2		1.8	8.99	mg/Kg	25.1		1.3	6.6	mg/Kg	24.9		1.9	9.63	mg/Kg
Silver, Total, ICP		<MDL	0.36	1.8	mg/Kg		<MDL	0.27	1.32	mg/Kg		<MDL	0.39	1.93	mg/Kg
Zinc, Total, ICP	89.2		0.45	2.25	mg/Kg	357		0.33	1.66	mg/Kg	74.9		0.48	2.41	mg/Kg

Table B-1. 2006 Sediment Chemistry Results, Post Operation Year One Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-04 Sampled: Apr 19, 2006 Lab ID: L38758-4 Dry Weight Basis					Locator: DWMP-05 Sampled: Apr 17, 2006 Lab ID: L38758-5 Dry Weight Basis					Locator: DWMP-06 Sampled: Apr 17, 2006 Lab ID: L38758-6 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
M=OR EPA 3550B/8270C (7-3-01-004)															
1,2,4-Trichlorobenzene		<MDL	0.49	0.959	ug/Kg		<MDL	0.36	0.707	ug/Kg		<MDL	0.52	1.03	ug/Kg
1,2-Dichlorobenzene		<MDL	0.49	0.959	ug/Kg		<MDL	0.36	0.707	ug/Kg		<MDL	0.52	1.03	ug/Kg
1,3-Dichlorobenzene		<MDL	0.49	0.959	ug/Kg		<MDL	0.36	0.707	ug/Kg		<MDL	0.52	1.03	ug/Kg
1,4-Dichlorobenzene		<MDL	0.49	0.959	ug/Kg		<MDL	0.36	0.707	ug/Kg		<MDL	0.52	1.03	ug/Kg
2,4-Dimethylphenol		<MDL	4.9	9.59	ug/Kg		<MDL	3.6	7.07	ug/Kg		<MDL	5.2	10.3	ug/Kg
2-Methylnaphthalene	24.5		4.9	9.59	ug/Kg	11.2		3.6	7.07	ug/Kg	7.3	<RDL	5.2	10.3	ug/Kg
2-Methylphenol		<MDL	9.5	19.2	ug/Kg		<MDL	7	14.2	ug/Kg		<MDL	10	20.7	ug/Kg
4-Methylphenol		<MDL	9.5	19.2	ug/Kg		<MDL	7	14.2	ug/Kg		<MDL	10	20.7	ug/Kg
Acenaphthene	148		4.9	9.59	ug/Kg	20.2		3.6	7.07	ug/Kg	13.8		5.2	10.3	ug/Kg
Acenaphthylene	41.2		4.9	9.59	ug/Kg	67.8		3.6	7.07	ug/Kg	19.3		5.2	10.3	ug/Kg
Anthracene	408		4.9	9.59	ug/Kg	188		3.6	7.07	ug/Kg	126		5.2	10.3	ug/Kg
Benzo(a)anthracene	538		4.9	9.59	ug/Kg	370		3.6	7.07	ug/Kg	228		5.2	10.3	ug/Kg
Benzo(a)pyrene	540		4.9	9.59	ug/Kg	399		3.6	7.07	ug/Kg	270		5.2	10.3	ug/Kg
Benzo(b)fluoranthene	410		4.9	9.59	ug/Kg	345		3.6	7.07	ug/Kg	305		5.2	10.3	ug/Kg
Benzo(g,h,i)perylene	288		4.9	9.59	ug/Kg		<MDL	3.6	7.07	ug/Kg	168		5.2	10.3	ug/Kg
Benzo(k)fluoranthene	545		4.9	9.59	ug/Kg	448		3.6	7.07	ug/Kg	241		5.2	10.3	ug/Kg
Benzoic Acid	109		23	48	ug/Kg	475		17	35.4	ug/Kg	137		25	51.5	ug/Kg
Benzyl Alcohol		<MDL	9.5	19.2	ug/Kg	16.4		7	14.2	ug/Kg		<MDL	10	20.7	ug/Kg
Benzyl Butyl Phthalate	59.5		9.5	19.2	ug/Kg	66		7	14.2	ug/Kg	52.1		10	20.7	ug/Kg
Bis(2-Ethylhexyl)Phthalate	315	B	9.5	19.2	ug/Kg	837	B	7	14.2	ug/Kg	604	B	10	20.7	ug/Kg
Caffeine		<MDL	9.5	19.2	ug/Kg		<MDL	7	14.2	ug/Kg		<MDL	10	20.7	ug/Kg
Carbazole	78.4		4.9	9.59	ug/Kg	64.6		3.6	7.07	ug/Kg	39.2		5.2	10.3	ug/Kg
Chrysene	615		4.9	9.59	ug/Kg	540		3.6	7.07	ug/Kg	305		5.2	10.3	ug/Kg
Coprostanol		<MDL	95	192	ug/Kg		<MDL	70	142	ug/Kg	710		100	207	ug/Kg
Dibenzo(a,h)anthracene	104		4.9	9.59	ug/Kg	61.7		3.6	7.07	ug/Kg	47.7		5.2	10.3	ug/Kg
Dibenzofuran	47.1		4.9	9.59	ug/Kg	12.4		3.6	7.07	ug/Kg	11.5		5.2	10.3	ug/Kg
Diethyl Phthalate		<MDL	9.5	19.2	ug/Kg		<MDL	7	14.2	ug/Kg		<MDL	10	20.7	ug/Kg
Dimethyl Phthalate		<MDL	9.5	19.2	ug/Kg		<MDL	7	14.2	ug/Kg		<MDL	10	20.7	ug/Kg
Di-N-Butyl Phthalate	243	B	9.5	19.2	ug/Kg	135	B	7	14.2	ug/Kg	158	B	10	20.7	ug/Kg
Di-N-Octyl Phthalate		<MDL	9.5	19.2	ug/Kg		<MDL	7	14.2	ug/Kg		<MDL	10	20.7	ug/Kg
Fluoranthene	1070		4.9	9.59	ug/Kg	651		3.6	7.07	ug/Kg	407		5.2	10.3	ug/Kg
Fluorene	163		4.9	9.59	ug/Kg	41.2		3.6	7.07	ug/Kg	29.9		5.2	10.3	ug/Kg
Hexachlorobenzene		<MDL	0.95	1.92	ug/Kg		<MDL	0.7	1.42	ug/Kg		<MDL	1	2.07	ug/Kg
Hexachlorobutadiene		<MDL	2.3	4.8	ug/Kg		<MDL	1.7	3.54	ug/Kg		<MDL	2.5	5.15	ug/Kg
Hexachloroethane		<MDL	2.3	4.8	ug/Kg		<MDL	1.7	3.54	ug/Kg		<MDL	2.5	5.15	ug/Kg
Indeno(1,2,3-Cd)Pyrene	275		4.9	9.59	ug/Kg	168		3.6	7.07	ug/Kg	156		5.2	10.3	ug/Kg
Naphthalene	25.2		4.9	9.59	ug/Kg	7	<RDL	3.6	7.07	ug/Kg	9.7	<RDL	5.2	10.3	ug/Kg
N-Nitrosodiphenylamine		<MDL	9.5	19.2	ug/Kg		<MDL	7	14.2	ug/Kg		<MDL	10	20.7	ug/Kg
Pentachlorophenol		<MDL	23	48	ug/Kg		<MDL	17	35.4	ug/Kg		<MDL	25	51.5	ug/Kg
Phenanthrene	1120		4.9	9.59	ug/Kg	219		3.6	7.07	ug/Kg	207		5.2	10.3	ug/Kg

Table B-1. 2006 Sediment Chemistry Results, Post Operation Year One Sediment Monitoring

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	Locator: DWMP-04 Sampled: Apr 19, 2006 Lab ID: L38758-4 Dry Weight Basis					Locator: DWMP-05 Sampled: Apr 17, 2006 Lab ID: L38758-5 Dry Weight Basis					Locator: DWMP-06 Sampled: Apr 17, 2006 Lab ID: L38758-6 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Phenol	12	<RDL,E	9.5	19.2	ug/Kg	8.8	<RDL,E	7	14.2	ug/Kg	14	<RDL,E	10	20.7	ug/Kg
Pyrene	1190		4.9	9.59	ug/Kg	749		3.6	7.07	ug/Kg	392		5.2	10.3	ug/Kg
Total HPAHS	5580		4.9	9.59	ug/Kg	3730		3.6	7.07	ug/Kg	2530		5.2	10.3	ug/Kg
Total LPAHs	1920		4.9	9.59	ug/Kg	554		3.6	7.07	ug/Kg	413		5.2	10.3	ug/Kg
M=OR EPA 8081A/8082 (7-3-03-002)															
4,4'-DDD	3.63		1.8	3.6	ug/Kg	1.9	<RDL	1.3	2.65	ug/Kg	1.9	<RDL	1.9	3.86	ug/Kg
4,4'-DDE		<MDL	1.8	3.6	ug/Kg		<MDL	1.3	2.65	ug/Kg		<MDL	1.9	3.86	ug/Kg
4,4'-DDT		<MDL	1.8	3.6	ug/Kg		<MDL	1.3	2.65	ug/Kg		<MDL	1.9	3.86	ug/Kg
Aldrin		<MDL	1.8	3.6	ug/Kg		<MDL	1.3	2.65	ug/Kg		<MDL	1.9	3.86	ug/Kg
Alpha-BHC		<MDL	0.9	1.8	ug/Kg		<MDL	0.66	1.33	ug/Kg		<MDL	0.97	1.93	ug/Kg
Alpha-Chlordane		<MDL,E	0.9	1.8	ug/Kg		<MDL,E	0.66	1.33	ug/Kg		<MDL,E	0.97	1.93	ug/Kg
Aroclor 1016		<MDL,TA	8.8	17.6	ug/Kg		<MDL,TA	15	28.9	ug/Kg		<MDL,TA	13	26.6	ug/Kg
Aroclor 1221		<MDL	4.5	8.99	ug/Kg		<MDL	3.3	6.63	ug/Kg		<MDL	4.8	9.65	ug/Kg
Aroclor 1232		<MDL,TA	22	41.4	ug/Kg		<MDL,TA	25	51.3	ug/Kg		<MDL,TA	31	61.6	ug/Kg
Aroclor 1242		<MDL,TA	31	60.3	ug/Kg		<MDL,TA	23	45.8	ug/Kg		<MDL,TA	39	77.4	ug/Kg
Aroclor 1248	19.8		2.3	4.5	ug/Kg	25.1		1.7	3.32	ug/Kg	27.8		2.5	4.83	ug/Kg
Aroclor 1254	62.2		2.3	4.5	ug/Kg	39.7		1.7	3.32	ug/Kg	64.7		2.5	4.83	ug/Kg
Aroclor 1260	57.4		2.3	4.5	ug/Kg	15.1		1.7	3.32	ug/Kg	48.3		2.5	4.83	ug/Kg
Beta-BHC		<MDL	0.9	1.8	ug/Kg		<MDL	0.66	1.33	ug/Kg		<MDL	0.97	1.93	ug/Kg
Delta-BHC		<MDL	0.9	1.8	ug/Kg		<MDL	0.66	1.33	ug/Kg		<MDL	0.97	1.93	ug/Kg
Dieldrin		<MDL	1.8	3.6	ug/Kg		<MDL	1.3	2.65	ug/Kg		<MDL	1.9	3.86	ug/Kg
Endosulfan I		<MDL	1.8	3.6	ug/Kg		<MDL	1.3	2.65	ug/Kg		<MDL	1.9	3.86	ug/Kg
Endosulfan II		<MDL	1.8	3.6	ug/Kg		<MDL	1.3	2.65	ug/Kg		<MDL	1.9	3.86	ug/Kg
Endosulfan Sulfate		<MDL,L	1.8	3.6	ug/Kg		<MDL,L	1.3	2.65	ug/Kg		<MDL,L	1.9	3.86	ug/Kg
Endrin		<MDL	1.8	3.6	ug/Kg		<MDL	1.3	2.65	ug/Kg		<MDL	1.9	3.86	ug/Kg
Endrin Aldehyde		<MDL	3.6	7.19	ug/Kg		<MDL	2.7	5.31	ug/Kg		<MDL	3.9	7.72	ug/Kg
Gamma-BHC (Lindane)		<MDL	0.9	1.8	ug/Kg		<MDL	0.66	1.33	ug/Kg		<MDL	0.97	1.93	ug/Kg
Gamma-Chlordane		<MDL	0.9	1.8	ug/Kg		<MDL	0.66	1.33	ug/Kg		<MDL	0.97	1.93	ug/Kg
Heptachlor		<MDL	0.9	1.8	ug/Kg		<MDL	0.66	1.33	ug/Kg		<MDL	0.97	1.93	ug/Kg
Heptachlor Epoxide		<MDL	0.9	1.8	ug/Kg		<MDL	0.66	1.33	ug/Kg		<MDL	0.97	1.93	ug/Kg
Methoxychlor		<MDL,L	9	18	ug/Kg		<MDL,L	6.6	13.3	ug/Kg		<MDL,L	9.7	19.3	ug/Kg
Toxaphene		<MDL	18	36	ug/Kg		<MDL	13	26.5	ug/Kg		<MDL	19	38.6	ug/Kg
M=OR EPA 8260B (7-3-02-002)															
1,1,2-Trichloroethylene		<MDL	1.8	3.6	ug/Kg		<MDL	1.3	2.65	ug/Kg		<MDL	1.9	3.86	ug/Kg
Ethylbenzene		<MDL	1.8	3.6	ug/Kg		<MDL	1.3	2.65	ug/Kg		<MDL	1.9	3.86	ug/Kg
Tetrachloroethylene		<MDL	1.8	3.6	ug/Kg		<MDL	1.3	2.65	ug/Kg		<MDL	1.9	3.86	ug/Kg
Total Xylenes		<MDL	1.8	3.6	ug/Kg		<MDL	1.3	2.65	ug/Kg		<MDL	1.9	3.86	ug/Kg

* Not converted to dry weight basis for this parameter

Table B-1. 2006 Sediment Chemistry Results, Post Operation Year One Sediment Monitoring

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	Locator: DWMP-07 Sampled: Apr 19, 2006 Lab ID: L38758-7 Dry Weight Basis					Locator: DWMP-08 Sampled: Apr 17, 2006 Lab ID: L38758-8 Dry Weight Basis					Locator: DWMP-09 Sampled: Apr 17, 2006 Lab ID: L38758-9 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
M=CV ASTM D422(03-02-005-001)															
Fines *	36.3		0.5	1	%	43.1		0.5	1	%	63.2		0.5	1	%
Clay *	7.1		0.5	1	%	8.4		0.5	1	%	10.5		0.5	1	%
Silt *	29.2		0.5	1	%	34.7		0.5	1	%	52.6		0.5	1	%
Sand *	48.6		0.1	1	%	45.4		0.1	1	%	27.5		0.1	1	%
Gravel *	8.1	E	0.1	1	%	5.8	E	0.1	1	%	2.5	E	0.1	1	%
p-2.00(less than) *	3.8		0.1	1	%	2.1		0.1	1	%	0.6	<RDL	0.1	1	%
p-2.00 *	1.4		0.1	1	%	0.1	<RDL	0.1	1	%	0.3	<RDL	0.1	1	%
p-1.00 *	2.9		0.1	1	%	3.6		0.1	1	%	1.6		0.1	1	%
p+0.00 *	2.6		0.1	1	%	4.1		0.1	1	%	1.1		0.1	1	%
p+1.00 *	4.4		0.1	1	%	5.6		0.1	1	%	1.6		0.1	1	%
p+2.00 *	13.3		0.1	1	%	13.6		0.1	1	%	3.6		0.1	1	%
p+3.00 *	15.9		0.1	1	%	11.7		0.1	1	%	7.4		0.1	1	%
p+4.00 *	12.3		0.1	1	%	10.4		0.1	1	%	13.9		0.1	1	%
p+5.00 *	14.1		0.5	1	%	16.8		0.5	1	%	26.3		0.5	1	%
p+6.00 *	4		0.5	1	%	4.8		0.5	1	%	5.3		0.5	1	%
p+7.00 *	7.1		0.5	1	%	8.4		0.5	1	%	13.2		0.5	1	%
p+8.00 *	4		0.5	1	%	4.8		0.5	1	%	7.9		0.5	1	%
p+9.00 *	2		0.5	1	%	3.6		0.5	1	%	1.3		0.5	1	%
p+10.0(equal/more than) *	5		0.5	1	%	4.8		0.5	1	%	9.2		0.5	1	%
M=CV EPA 9030B (03-03-015-000)															
Total Sulfide	13.5		0.95	3.8	mg/Kg	259		24	95.9	mg/Kg	55.2		6.8	27.3	mg/Kg
M=CV EPA 9060-PSEP96 (03-04-002-003															
Total Organic Carbon	9510		1400	2780	mg/Kg	21600		1700	3310	mg/Kg	24700		1700	3360	mg/Kg
M=CV SM2540-G (03-01-007-002)															
Total Solids *	52.6		0.005	0.01	%	41.7		0.005	0.01	%	36.6		0.005	0.01	%
Total Volatile Solids	4.85		0.00951	0.019	%	10.3		0.012	0.024	%	9.23		0.0137	0.0273	%
M=CV SM4500-NH3-G(03-03-014-001)KCL															
Ammonia Nitrogen	3.71		0.95	1.9	mg/Kg	5.64		1.2	2.4	mg/Kg	3.99		1.4	2.73	mg/Kg
M=MT EPA 7471A (06-01-004-003)															
Mercury, Total, CVAA	0.3	<RDL	0.038	0.376	mg/Kg	0.499		0.048	0.47	mg/Kg	0.568		0.057	0.56	mg/Kg
M=MT EPA3050A/6010B (06-02-004-002)															
Antimony, Total, ICP		<MDL,G	2.9	14.3	mg/Kg		<MDL,G	3.6	17.9	mg/Kg		<MDL,G	4.1	20.5	mg/Kg
Arsenic, Total, ICP	7	<RDL	4.8	23.8	mg/Kg	6.7	<RDL	6	30	mg/Kg	9	<RDL	6.8	34.2	mg/Kg
Cadmium, Total, ICP	0.38	<RDL	0.29	1.43	mg/Kg	0.5	<RDL	0.36	1.79	mg/Kg	0.87	<RDL	0.41	2.05	mg/Kg
Chromium, Total, ICP	34		0.48	2.38	mg/Kg	38.6		0.6	3	mg/Kg	45.4		0.68	3.42	mg/Kg
Copper, Total, ICP	41.1		0.38	1.9	mg/Kg	75.5		0.48	2.39	mg/Kg	58.2		0.55	2.73	mg/Kg
Lead, Total, ICP	45.1		2.9	14.3	mg/Kg	65.5		3.6	17.9	mg/Kg	74.6		4.1	20.5	mg/Kg
Nickel, Total, ICP	31.2		1.9	9.51	mg/Kg	33.6		2.4	12	mg/Kg	42.3		2.7	13.6	mg/Kg
Silver, Total, ICP	0.82	<RDL	0.38	1.9	mg/Kg	1.5	<RDL	0.48	2.39	mg/Kg	1.8	<RDL	0.55	2.73	mg/Kg
Zinc, Total, ICP	76.2		0.48	2.38	mg/Kg	102		0.6	3	mg/Kg	108		0.68	3.42	mg/Kg

Table B-1. 2006 Sediment Chemistry Results, Post Operation Year One Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-07 Sampled: Apr 19, 2006 Lab ID: L38758-7 Dry Weight Basis					Locator: DWMP-08 Sampled: Apr 17, 2006 Lab ID: L38758-8 Dry Weight Basis					Locator: DWMP-09 Sampled: Apr 17, 2006 Lab ID: L38758-9 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
M=OR EPA 3550B/8270C (7-3-01-004)															
1,2,4-Trichlorobenzene		<MDL	0.51	1.01	ug/Kg		<MDL	0.65	1.28	ug/Kg		<MDL	0.74	1.46	ug/Kg
1,2-Dichlorobenzene		<MDL	0.51	1.01	ug/Kg		<MDL	0.65	1.28	ug/Kg		<MDL	0.74	1.46	ug/Kg
1,3-Dichlorobenzene		<MDL	0.51	1.01	ug/Kg		<MDL	0.65	1.28	ug/Kg		<MDL	0.74	1.46	ug/Kg
1,4-Dichlorobenzene		<MDL	0.51	1.01	ug/Kg	19.7		0.65	1.28	ug/Kg		<MDL	0.74	1.46	ug/Kg
2,4-Dimethylphenol		<MDL	5.1	10.1	ug/Kg		<MDL	6.5	12.8	ug/Kg		<MDL	7.4	14.6	ug/Kg
2-Methylnaphthalene	5.9	<RDL	5.1	10.1	ug/Kg	23.1		6.5	12.8	ug/Kg	19.9		7.4	14.6	ug/Kg
2-Methylphenol		<MDL	10	20.3	ug/Kg		<MDL	13	25.7	ug/Kg		<MDL	14	29.2	ug/Kg
4-Methylphenol		<MDL	10	20.3	ug/Kg		<MDL	13	25.7	ug/Kg		<MDL	14	29.2	ug/Kg
Acenaphthene	16.1		5.1	10.1	ug/Kg	140		6.5	12.8	ug/Kg	45.1		7.4	14.6	ug/Kg
Acenaphthylene	39.2		5.1	10.1	ug/Kg	44.4		6.5	12.8	ug/Kg	21.2		7.4	14.6	ug/Kg
Anthracene	125		5.1	10.1	ug/Kg	434		6.5	12.8	ug/Kg	267		7.4	14.6	ug/Kg
Benzo(a)anthracene	243		5.1	10.1	ug/Kg	739		6.5	12.8	ug/Kg	391		7.4	14.6	ug/Kg
Benzo(a)pyrene	281		5.1	10.1	ug/Kg	741		6.5	12.8	ug/Kg	664		7.4	14.6	ug/Kg
Benzo(b)fluoranthene	270		5.1	10.1	ug/Kg	604		6.5	12.8	ug/Kg	396		7.4	14.6	ug/Kg
Benzo(g,h,i)perylene	169		5.1	10.1	ug/Kg	403		6.5	12.8	ug/Kg	322		7.4	14.6	ug/Kg
Benzo(k)fluoranthene	293		5.1	10.1	ug/Kg	659		6.5	12.8	ug/Kg	505		7.4	14.6	ug/Kg
Benzoic Acid	117		25	50.8	ug/Kg	181		31	64	ug/Kg	178		36	73	ug/Kg
Benzyl Alcohol		<MDL	10	20.3	ug/Kg		<MDL	13	25.7	ug/Kg		<MDL	14	29.2	ug/Kg
Benzyl Butyl Phthalate	53.8		10	20.3	ug/Kg	109		13	25.7	ug/Kg	93.4		14	29.2	ug/Kg
Bis(2-Ethylhexyl)Phthalate	409	B	10	20.3	ug/Kg	1240	B	13	25.7	ug/Kg	817	B	14	29.2	ug/Kg
Caffeine		<MDL	10	20.3	ug/Kg		<MDL	13	25.7	ug/Kg		<MDL	14	29.2	ug/Kg
Carbazole	35.2		5.1	10.1	ug/Kg	149		6.5	12.8	ug/Kg	72.1		7.4	14.6	ug/Kg
Chrysene	356		5.1	10.1	ug/Kg	890		6.5	12.8	ug/Kg	820		7.4	14.6	ug/Kg
Coprostanol		<MDL	100	203	ug/Kg		<MDL	130	257	ug/Kg		<MDL	140	292	ug/Kg
Dibenzo(a,h)anthracene	50.8		5.1	10.1	ug/Kg	153		6.5	12.8	ug/Kg	82.8		7.4	14.6	ug/Kg
Dibenzofuran	11.5		5.1	10.1	ug/Kg	67.4		6.5	12.8	ug/Kg	30.3		7.4	14.6	ug/Kg
Diethyl Phthalate		<MDL	10	20.3	ug/Kg		<MDL	13	25.7	ug/Kg		<MDL	14	29.2	ug/Kg
Dimethyl Phthalate		<MDL	10	20.3	ug/Kg	31.4		13	25.7	ug/Kg		<MDL	14	29.2	ug/Kg
Di-N-Butyl Phthalate	169	B	10	20.3	ug/Kg	237	B	13	25.7	ug/Kg	104	B	14	29.2	ug/Kg
Di-N-Octyl Phthalate		<MDL	10	20.3	ug/Kg		<MDL	13	25.7	ug/Kg		<MDL	14	29.2	ug/Kg
Fluoranthene	424		5.1	10.1	ug/Kg	1580		6.5	12.8	ug/Kg	937		7.4	14.6	ug/Kg
Fluorene	33.3		5.1	10.1	ug/Kg	159		6.5	12.8	ug/Kg	67.2		7.4	14.6	ug/Kg
Hexachlorobenzene		<MDL	1	2.03	ug/Kg		<MDL	1.3	2.57	ug/Kg		<MDL	1.4	2.92	ug/Kg
Hexachlorobutadiene		<MDL	2.5	5.08	ug/Kg		<MDL	3.1	6.4	ug/Kg		<MDL	3.6	7.3	ug/Kg
Hexachloroethane		<MDL	2.5	5.08	ug/Kg		<MDL	3.1	6.4	ug/Kg		<MDL	3.6	7.3	ug/Kg
Indeno(1,2,3-Cd)Pyrene	163		5.1	10.1	ug/Kg	386		6.5	12.8	ug/Kg	290		7.4	14.6	ug/Kg
Naphthalene	7.8	<RDL	5.1	10.1	ug/Kg	25.4		6.5	12.8	ug/Kg	18.5		7.4	14.6	ug/Kg
N-Nitrosodiphenylamine		<MDL	10	20.3	ug/Kg		<MDL	13	25.7	ug/Kg		<MDL	14	29.2	ug/Kg
Pentachlorophenol		<MDL	25	50.8	ug/Kg		<MDL	31	64	ug/Kg		<MDL	36	73	ug/Kg
Phenanthrene	234		5.1	10.1	ug/Kg	1160		6.5	12.8	ug/Kg	667		7.4	14.6	ug/Kg

Table B-1. 2006 Sediment Chemistry Results, Post Operation Year One Sediment Monitoring

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	Locator: DWMP-07 Sampled: Apr 19, 2006 Lab ID: L38758-7 Dry Weight Basis					Locator: DWMP-08 Sampled: Apr 17, 2006 Lab ID: L38758-8 Dry Weight Basis					Locator: DWMP-09 Sampled: Apr 17, 2006 Lab ID: L38758-9 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Phenol		<MDL,E	10	20.3	ug/Kg	20	<RDL,E	13	25.7	ug/Kg		<MDL,E	14	29.2	ug/Kg
Pyrene	407		5.1	10.1	ug/Kg	1530		6.5	12.8	ug/Kg	1020		7.4	14.6	ug/Kg
Total HPAHS	2660		5.1	10.1	ug/Kg	7700		6.5	12.8	ug/Kg	5440		7.4	14.6	ug/Kg
Total LPAHs	462		5.1	10.1	ug/Kg	1990		6.5	12.8	ug/Kg	1110		7.4	14.6	ug/Kg
M=OR EPA 8081A/8082 (7-3-03-002)															
4,4'-DDD	4.33		1.9	3.8	ug/Kg	9.74		2.4	4.8	ug/Kg	3	<RDL	2.7	5.46	ug/Kg
4,4'-DDE		<MDL	1.9	3.8	ug/Kg		<MDL	2.4	4.8	ug/Kg		<MDL	2.7	5.46	ug/Kg
4,4'-DDT		<MDL	1.9	3.8	ug/Kg		<MDL	2.4	4.8	ug/Kg		<MDL	2.7	5.46	ug/Kg
Aldrin		<MDL	1.9	3.8	ug/Kg		<MDL	2.4	4.8	ug/Kg		<MDL	2.7	5.46	ug/Kg
Alpha-BHC		<MDL	0.95	1.9	ug/Kg		<MDL	1.2	2.4	ug/Kg		<MDL	1.4	2.73	ug/Kg
Alpha-Chlordane		<MDL,E	0.95	1.9	ug/Kg	1.4	<RDL,E	1.2	2.4	ug/Kg	2	<RDL,E	1.4	2.73	ug/Kg
Aroclor 1016		<MDL,TA	13	26.6	ug/Kg		<MDL,TA	29	58.3	ug/Kg		<MDL,TA	30	58.5	ug/Kg
Aroclor 1221		<MDL	4.8	9.51	ug/Kg		<MDL	6	12	ug/Kg		<MDL	6.8	13.7	ug/Kg
Aroclor 1232		<MDL,TA	29	57.4	ug/Kg		<MDL,TA	65	128	ug/Kg		<MDL,TA	74	145	ug/Kg
Aroclor 1242		<MDL,TA	42	83.7	ug/Kg		<MDL,TA	89	179	ug/Kg		<MDL,TA	79	157	ug/Kg
Aroclor 1248	33.5		2.5	4.75	ug/Kg	75.8		3.1	6	ug/Kg	78.4		3.6	6.83	ug/Kg
Aroclor 1254	86.1		2.5	4.75	ug/Kg	188		3.1	6	ug/Kg	181		3.6	6.83	ug/Kg
Aroclor 1260	72.2		2.5	4.75	ug/Kg	117		3.1	6	ug/Kg	118		3.6	6.83	ug/Kg
Beta-BHC		<MDL	0.95	1.9	ug/Kg		<MDL	1.2	2.4	ug/Kg		<MDL	1.4	2.73	ug/Kg
Delta-BHC		<MDL	0.95	1.9	ug/Kg		<MDL	1.2	2.4	ug/Kg		<MDL	1.4	2.73	ug/Kg
Dieldrin		<MDL	1.9	3.8	ug/Kg		<MDL	2.4	4.8	ug/Kg		<MDL	2.7	5.46	ug/Kg
Endosulfan I		<MDL	1.9	3.8	ug/Kg		<MDL	2.4	4.8	ug/Kg		<MDL	2.7	5.46	ug/Kg
Endosulfan II		<MDL	1.9	3.8	ug/Kg		<MDL	2.4	4.8	ug/Kg		<MDL	2.7	5.46	ug/Kg
Endosulfan Sulfate		<MDL,L	1.9	3.8	ug/Kg		<MDL,L	2.4	4.8	ug/Kg		<MDL,L	2.7	5.46	ug/Kg
Endrin		<MDL	1.9	3.8	ug/Kg		<MDL	2.4	4.8	ug/Kg		<MDL	2.7	5.46	ug/Kg
Endrin Aldehyde		<MDL	3.8	7.6	ug/Kg		<MDL	4.8	9.59	ug/Kg		<MDL	5.5	10.9	ug/Kg
Gamma-BHC (Lindane)		<MDL	0.95	1.9	ug/Kg		<MDL	1.2	2.4	ug/Kg		<MDL	1.4	2.73	ug/Kg
Gamma-Chlordane		<MDL	0.95	1.9	ug/Kg		<MDL	1.2	2.4	ug/Kg		<MDL	1.4	2.73	ug/Kg
Heptachlor		<MDL	0.95	1.9	ug/Kg		<MDL	1.2	2.4	ug/Kg		<MDL	1.4	2.73	ug/Kg
Heptachlor Epoxide		<MDL	0.95	1.9	ug/Kg		<MDL	1.2	2.4	ug/Kg		<MDL	1.4	2.73	ug/Kg
Methoxychlor		<MDL,L	9.5	19	ug/Kg		<MDL,L	12	24	ug/Kg		<MDL,L	14	27.3	ug/Kg
Toxaphene		<MDL	19	38	ug/Kg		<MDL	24	48	ug/Kg		<MDL	27	54.6	ug/Kg
M=OR EPA 8260B (7-3-02-002)															
1,1,2-Trichloroethylene		<MDL	1.9	3.8	ug/Kg		<MDL	2.4	4.8	ug/Kg		<MDL	2.7	5.46	ug/Kg
Ethylbenzene		<MDL	1.9	3.8	ug/Kg		<MDL	2.4	4.8	ug/Kg		<MDL	2.7	5.46	ug/Kg
Tetrachloroethylene		<MDL	1.9	3.8	ug/Kg		<MDL	2.4	4.8	ug/Kg		<MDL	2.7	5.46	ug/Kg
Total Xylenes		<MDL	1.9	3.8	ug/Kg		<MDL	2.4	4.8	ug/Kg		<MDL	2.7	5.46	ug/Kg

* Not converted to dry weight basis for this parameter

Table B-1. 2006 Sediment Chemistry Results, Post Operation Year One Sediment Monitoring

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	Locator: DWMP-10 Sampled: Apr 18, 2006 Lab ID: L38758-10 Dry Weight Basis					Locator: DWMP-11 Sampled: Apr 18, 2006 Lab ID: L38758-11 Dry Weight Basis					Locator: DWMP-12 Sampled: Apr 19, 2006 Lab ID: L38758-12 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
M=CV ASTM D422(03-02-005-001)															
Fines *	8.4		0.5	1	%	36.3		0.5	1	%	75.9		0.5	1	%
Clay *	3.6		0.5	1	%	8.5		0.5	1	%	12		0.5	1	%
Silt *	4.8		0.5	1	%	27.7		0.5	1	%	63.9		0.5	1	%
Sand *	90.9		0.1	1	%	61		0.1	1	%	20.8		0.1	1	%
Gravel *	1.5	E	0.1	1	%	2	E	0.1	1	%	0.6	<RDL,E	0.1	1	%
p-2.00(less than) *	0.2	<RDL	0.1	1	%	0.5	<RDL	0.1	1	%	0.3	<RDL	0.1	1	%
p-2.00 *	0.1	<RDL	0.1	1	%	0.6	<RDL	0.1	1	%	0.1	<RDL	0.1	1	%
p-1.00 *	1.2		0.1	1	%	1	<RDL	0.1	1	%	0.2	<RDL	0.1	1	%
p+0.00 *	2		0.1	1	%	1.5		0.1	1	%	0.2	<RDL	0.1	1	%
p+1.00 *	10.7		0.1	1	%	9.7		0.1	1	%	0.4	<RDL	0.1	1	%
p+2.00 *	38.4		0.1	1	%	29.5		0.1	1	%	1.5		0.1	1	%
p+3.00 *	30.4		0.1	1	%	12.6		0.1	1	%	6.4		0.1	1	%
p+4.00 *	9.5		0.1	1	%	7.6		0.1	1	%	12.3		0.1	1	%
p+5.00 *	2.4		0.5	1	%	11.7		0.5	1	%	28		0.5	1	%
p+6.00 *	1.2		0.5	1	%	5.3		0.5	1	%	10.7		0.5	1	%
p+7.00 *	1.2		0.5	1	%	5.3		0.5	1	%	14.6		0.5	1	%
p+8.00 *		<MDL	0.5	1	%	5.3		0.5	1	%	10.7		0.5	1	%
p+9.00 *	1.8		0.5	1	%	2.1		0.5	1	%	2.7		0.5	1	%
p+10.0(equal/more than) *	1.8		0.5	1	%	6.4		0.5	1	%	9.3		0.5	1	%
M=CV EPA 9030B (03-03-015-000)															
Total Sulfide	77.2		7	28.2	mg/Kg	39.2		2	7.97	mg/Kg	33.5		1.4	5.68	mg/Kg
M=CV EPA 9060-PSEP96 (03-04-002-003															
Total Organic Carbon	7860		1200	2350	mg/Kg	19400		1500	2970	mg/Kg	25500		1500	3070	mg/Kg
M=CV SM2540-G (03-01-007-002)															
Total Solids *	71		0.005	0.01	%	50.2		0.005	0.01	%	35.2		0.005	0.01	%
Total Volatile Solids	3.13		0.00704	0.0141	%	7.65		0.00996	0.0199	%	9.94		0.0142	0.0284	%
M=CV SM4500-NH3-G(03-03-014-001)KCL															
Ammonia Nitrogen	4.69		0.7	1.41	mg/Kg	2.67		1	1.99	mg/Kg	3.92		1.4	2.84	mg/Kg
M=MT EPA 7471A (06-01-004-003)															
Mercury, Total, CVAA	0.744		0.028	0.28	mg/Kg	0.26	<RDL	0.042	0.412	mg/Kg	0.54	<RDL	0.057	0.571	mg/Kg
M=MT EPA3050A/6010B (06-02-004-002)															
Antimony, Total, ICP		<MDL,G	2.1	10.6	mg/Kg		<MDL,G	3	14.9	mg/Kg		<MDL,G	4.3	21.2	mg/Kg
Arsenic, Total, ICP	5.5	<RDL	3.5	17.6	mg/Kg	5.6	<RDL	5	24.9	mg/Kg	11	<RDL	7.1	35.2	mg/Kg
Cadmium, Total, ICP	0.69	<RDL	0.21	1.06	mg/Kg	0.38	<RDL	0.3	1.49	mg/Kg	0.85	<RDL	0.43	2.12	mg/Kg
Chromium, Total, ICP	30.1		0.35	1.76	mg/Kg	29.9		0.5	2.49	mg/Kg	50.6		0.71	3.52	mg/Kg
Copper, Total, ICP	58.9		0.28	1.41	mg/Kg	39.2		0.4	1.99	mg/Kg	59.4		0.57	2.83	mg/Kg
Lead, Total, ICP	69		2.1	10.6	mg/Kg	47		3	14.9	mg/Kg	78.7		4.3	21.2	mg/Kg
Nickel, Total, ICP	22.4		1.4	7.04	mg/Kg	26.1		2	9.92	mg/Kg	48.3		2.8	14.1	mg/Kg
Silver, Total, ICP	0.59	<RDL	0.28	1.41	mg/Kg	0.8	<RDL	0.4	1.99	mg/Kg	2.3	<RDL	0.57	2.83	mg/Kg
Zinc, Total, ICP	88.7		0.35	1.76	mg/Kg	81.3		0.5	2.49	mg/Kg	118		0.71	3.52	mg/Kg

Table B-1. 2006 Sediment Chemistry Results, Post Operation Year One Sediment Monitoring

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	Locator: DWMP-10 Sampled: Apr 18, 2006 Lab ID: L38758-10 Dry Weight Basis					Locator: DWMP-11 Sampled: Apr 18, 2006 Lab ID: L38758-11 Dry Weight Basis					Locator: DWMP-12 Sampled: Apr 19, 2006 Lab ID: L38758-12 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
M=OR EPA 3550B/8270C (7-3-01-004)															
1,2,4-Trichlorobenzene		<MDL	3.8	7.51	ug/Kg		<MDL	0.54	1.06	ug/Kg		<MDL	0.77	1.51	ug/Kg
1,2-Dichlorobenzene		<MDL	3.8	7.51	ug/Kg		<MDL	0.54	1.06	ug/Kg		<MDL	0.77	1.51	ug/Kg
1,3-Dichlorobenzene		<MDL	3.8	7.51	ug/Kg		<MDL	0.54	1.06	ug/Kg		<MDL	0.77	1.51	ug/Kg
1,4-Dichlorobenzene	20.4		3.8	7.51	ug/Kg	2.39		0.54	1.06	ug/Kg	3.66		0.77	1.51	ug/Kg
2,4-Dimethylphenol		<MDL	38	75.1	ug/Kg		<MDL	5.4	10.6	ug/Kg		<MDL	7.7	15.1	ug/Kg
2-Methylnaphthalene		<MDL	38	75.1	ug/Kg	20.3		5.4	10.6	ug/Kg	9.9	<RDL	7.7	15.1	ug/Kg
2-Methylphenol		<MDL	75	151	ug/Kg		<MDL	11	21.3	ug/Kg		<MDL	15	30.4	ug/Kg
4-Methylphenol		<MDL	75	151	ug/Kg		<MDL	11	21.3	ug/Kg		<MDL	15	30.4	ug/Kg
Acenaphthene	52	<RDL	38	75.1	ug/Kg	32.9		5.4	10.6	ug/Kg	18		7.7	15.1	ug/Kg
Acenaphthylene		<MDL	38	75.1	ug/Kg	31.1		5.4	10.6	ug/Kg	17.4		7.7	15.1	ug/Kg
Anthracene	177		38	75.1	ug/Kg	207		5.4	10.6	ug/Kg	133		7.7	15.1	ug/Kg
Benzo(a)anthracene	641		38	75.1	ug/Kg	333		5.4	10.6	ug/Kg	269		7.7	15.1	ug/Kg
Benzo(a)pyrene	696		38	75.1	ug/Kg	396		5.4	10.6	ug/Kg	398		7.7	15.1	ug/Kg
Benzo(b)fluoranthene	721		38	75.1	ug/Kg	321		5.4	10.6	ug/Kg	355		7.7	15.1	ug/Kg
Benzo(g,h,i)perylene	401		38	75.1	ug/Kg	225		5.4	10.6	ug/Kg	226		7.7	15.1	ug/Kg
Benzo(k)fluoranthene	656		38	75.1	ug/Kg	357		5.4	10.6	ug/Kg	335		7.7	15.1	ug/Kg
Benzoic Acid		<MDL	180	376	ug/Kg	137		26	53.2	ug/Kg	169		37	75.9	ug/Kg
Benzyl Alcohol		<MDL	75	151	ug/Kg		<MDL	11	21.3	ug/Kg		<MDL	15	30.4	ug/Kg
Benzyl Butyl Phthalate	459		75	151	ug/Kg	476		11	21.3	ug/Kg	98.6		15	30.4	ug/Kg
Bis(2-Ethylhexyl)Phthalate	1300	B	75	151	ug/Kg	452	B	11	21.3	ug/Kg	1200	B	15	30.4	ug/Kg
Caffeine		<MDL	75	151	ug/Kg		<MDL	11	21.3	ug/Kg		<MDL	15	30.4	ug/Kg
Carbazole	98.9		38	75.1	ug/Kg	55.6		5.4	10.6	ug/Kg	35.5		7.7	15.1	ug/Kg
Chrysene	754		38	75.1	ug/Kg	450		5.4	10.6	ug/Kg	398		7.7	15.1	ug/Kg
Coprostanol		<MDL	750	1510	ug/Kg		<MDL	110	213	ug/Kg		<MDL	150	304	ug/Kg
Dibenzo(a,h)anthracene	148		38	75.1	ug/Kg	60.8		5.4	10.6	ug/Kg	53.4		7.7	15.1	ug/Kg
Dibenzofuran		<MDL	38	75.1	ug/Kg	34.7		5.4	10.6	ug/Kg	12	<RDL	7.7	15.1	ug/Kg
Diethyl Phthalate		<MDL	75	151	ug/Kg		<MDL	11	21.3	ug/Kg		<MDL	15	30.4	ug/Kg
Dimethyl Phthalate		<MDL	75	151	ug/Kg	16	<RDL	11	21.3	ug/Kg		<MDL	15	30.4	ug/Kg
Di-N-Butyl Phthalate	140	<RDL,B	75	151	ug/Kg	31.7	B	11	21.3	ug/Kg	55.7	B	15	30.4	ug/Kg
Di-N-Octyl Phthalate		<MDL	75	151	ug/Kg		<MDL	11	21.3	ug/Kg		<MDL	15	30.4	ug/Kg
Fluoranthene	1560		38	75.1	ug/Kg	625		5.4	10.6	ug/Kg	449		7.7	15.1	ug/Kg
Fluorene	66	<RDL	38	75.1	ug/Kg	74.5		5.4	10.6	ug/Kg	29.8		7.7	15.1	ug/Kg
Hexachlorobenzene		<MDL	7.5	15.1	ug/Kg		<MDL	1.1	2.13	ug/Kg		<MDL	1.5	3.04	ug/Kg
Hexachlorobutadiene		<MDL	18	37.6	ug/Kg		<MDL	2.6	5.32	ug/Kg		<MDL	3.7	7.59	ug/Kg
Hexachloroethane		<MDL	18	37.6	ug/Kg		<MDL	2.6	5.32	ug/Kg		<MDL	3.7	7.59	ug/Kg
Indeno(1,2,3-Cd)Pyrene	383		38	75.1	ug/Kg	198		5.4	10.6	ug/Kg	196		7.7	15.1	ug/Kg
Naphthalene		<MDL	38	75.1	ug/Kg	27.5		5.4	10.6	ug/Kg	13	<RDL	7.7	15.1	ug/Kg
N-Nitrosodiphenylamine		<MDL	75	151	ug/Kg		<MDL	11	21.3	ug/Kg		<MDL	15	30.4	ug/Kg
Pentachlorophenol		<MDL	180	376	ug/Kg		<MDL	26	53.2	ug/Kg		<MDL	37	75.9	ug/Kg
Phenanthrene	752		38	75.1	ug/Kg	490		5.4	10.6	ug/Kg	221		7.7	15.1	ug/Kg

Table B-1. 2006 Sediment Chemistry Results, Post Operation Year One Sediment Monitoring

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	Locator: DWMP-10 Sampled: Apr 18, 2006 Lab ID: L38758-10 Dry Weight Basis					Locator: DWMP-11 Sampled: Apr 18, 2006 Lab ID: L38758-11 Dry Weight Basis					Locator: DWMP-12 Sampled: Apr 19, 2006 Lab ID: L38758-12 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Phenol		<MDL,E	75	151	ug/Kg		<MDL,E	11	21.3	ug/Kg		<MDL,E	15	30.4	ug/Kg
Pyrene	1830		38	75.1	ug/Kg	681		5.4	10.6	ug/Kg	509		7.7	15.1	ug/Kg
Total HPAHS	7800		38	75.1	ug/Kg	3650		5.4	10.6	ug/Kg	3180		7.7	15.1	ug/Kg
Total LPAHs	1050		38	75.1	ug/Kg	884		5.4	10.6	ug/Kg	443		7.7	15.1	ug/Kg
M=OR EPA 8081A/8082 (7-3-03-002)															
4,4'-DDD	1.7	<RDL	1.4	2.82	ug/Kg	5.22		2	3.98	ug/Kg	7.67		2.8	5.68	ug/Kg
4,4'-DDE		<MDL	1.4	2.82	ug/Kg		<MDL	2	3.98	ug/Kg		<MDL	2.8	5.68	ug/Kg
4,4'-DDT		<MDL	1.4	2.82	ug/Kg		<MDL	2	3.98	ug/Kg		<MDL	2.8	5.68	ug/Kg
Aldrin		<MDL	1.4	2.82	ug/Kg		<MDL	2	3.98	ug/Kg		<MDL	2.8	5.68	ug/Kg
Alpha-BHC		<MDL	0.7	1.41	ug/Kg		<MDL	1	1.99	ug/Kg		<MDL	1.4	2.84	ug/Kg
Alpha-Chlordane		<MDL,E	0.7	1.41	ug/Kg		<MDL,E	1	1.99	ug/Kg		<MDL,E	1.4	2.84	ug/Kg
Aroclor 1016		<MDL,TA	11	21.4	ug/Kg		<MDL,TA	22	45.6	ug/Kg		<MDL,TA	48	93.8	ug/Kg
Aroclor 1221		<MDL	3.5	7.04	ug/Kg		<MDL	5	9.96	ug/Kg		<MDL	7.1	14.2	ug/Kg
Aroclor 1232		<MDL,TA	21	43.4	ug/Kg		<MDL,TA	40	80.1	ug/Kg		<MDL,TA	110	225	ug/Kg
Aroclor 1242		<MDL,TA	23	45.6	ug/Kg		<MDL,TA	58	114	ug/Kg		<MDL,TA	120	245	ug/Kg
Aroclor 1248	23.2		1.8	3.52	ug/Kg	45.4		2.6	4.98	ug/Kg	118		3.7	7.1	ug/Kg
Aroclor 1254	37.6		1.8	3.52	ug/Kg	105		2.6	4.98	ug/Kg	230		3.7	7.1	ug/Kg
Aroclor 1260	19.3		1.8	3.52	ug/Kg	74.1		2.6	4.98	ug/Kg	163		3.7	7.1	ug/Kg
Beta-BHC		<MDL	0.7	1.41	ug/Kg		<MDL	1	1.99	ug/Kg		<MDL	1.4	2.84	ug/Kg
Delta-BHC		<MDL	0.7	1.41	ug/Kg		<MDL	1	1.99	ug/Kg		<MDL	1.4	2.84	ug/Kg
Dieldrin		<MDL	1.4	2.82	ug/Kg		<MDL	2	3.98	ug/Kg		<MDL	2.8	5.68	ug/Kg
Endosulfan I		<MDL	1.4	2.82	ug/Kg		<MDL	2	3.98	ug/Kg		<MDL	2.8	5.68	ug/Kg
Endosulfan II		<MDL	1.4	2.82	ug/Kg		<MDL	2	3.98	ug/Kg		<MDL	2.8	5.68	ug/Kg
Endosulfan Sulfate		<MDL,L	1.4	2.82	ug/Kg		<MDL,L	2	3.98	ug/Kg		<MDL,L	2.8	5.68	ug/Kg
Endrin		<MDL	1.4	2.82	ug/Kg		<MDL	2	3.98	ug/Kg		<MDL	2.8	5.68	ug/Kg
Endrin Aldehyde		<MDL	2.8	5.63	ug/Kg		<MDL	4	7.97	ug/Kg		<MDL	5.7	11.4	ug/Kg
Gamma-BHC (Lindane)		<MDL	0.7	1.41	ug/Kg		<MDL	1	1.99	ug/Kg		<MDL	1.4	2.84	ug/Kg
Gamma-Chlordane		<MDL	0.7	1.41	ug/Kg		<MDL	1	1.99	ug/Kg		<MDL	1.4	2.84	ug/Kg
Heptachlor		<MDL	0.7	1.41	ug/Kg		<MDL	1	1.99	ug/Kg		<MDL	1.4	2.84	ug/Kg
Heptachlor Epoxide		<MDL	0.7	1.41	ug/Kg		<MDL	1	1.99	ug/Kg		<MDL	1.4	2.84	ug/Kg
Methoxychlor		<MDL,L	7	14.1	ug/Kg		<MDL,L	10	19.9	ug/Kg		<MDL,L	14	28.4	ug/Kg
Toxaphene		<MDL	14	28.2	ug/Kg		<MDL	20	39.8	ug/Kg		<MDL	28	56.8	ug/Kg
M=OR EPA 8260B (7-3-02-002)															
1,1,2-Trichloroethylene		<MDL	1.4	2.82	ug/Kg		<MDL	2	3.98	ug/Kg		<MDL	2.8	5.68	ug/Kg
Ethylbenzene		<MDL	1.4	2.82	ug/Kg		<MDL	2	3.98	ug/Kg		<MDL	2.8	5.68	ug/Kg
Tetrachloroethylene		<MDL	1.4	2.82	ug/Kg		<MDL	2	3.98	ug/Kg		<MDL	2.8	5.68	ug/Kg
Total Xylenes		<MDL	1.4	2.82	ug/Kg		<MDL	2	3.98	ug/Kg		<MDL	2.8	5.68	ug/Kg

* Not converted to dry weight basis for this parameter

Table B-1. 2006 Sediment Chemistry Results, Post Operation Year One Sediment Monitoring

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	Locator: DWMP-13 Sampled: Apr 18, 2006 Lab ID: L38758-13 Dry Weight Basis					Locator: DWMP-14 Sampled: Apr 18, 2006 Lab ID: L38758-14 Dry Weight Basis					Locator: DWMP-15 Sampled: Apr 18, 2006 Lab ID: L38758-15 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
M=CV ASTM D422(03-02-005-001)															
Fines *	1.1		0.5	1	%	62.3		0.5	1	%	47.1		0.5	1	%
Clay *	1.1		0.5	1	%	14.6		0.5	1	%	15.4		0.5	1	%
Silt *		<MDL	0.5	1	%	47.8		0.5	1	%	31.7		0.5	1	%
Sand *	67.7		0.1	1	%	32.6		0.1	1	%	30.3		0.1	1	%
Gravel *	26.9	E	0.1	1	%	0.8	<RDL,E	0.1	1	%	13.1	E	0.1	1	%
p-2.00(less than) *	11.2		0.1	1	%	0.3	<RDL	0.1	1	%	7.2		0.1	1	%
p-2.00 *	4.8		0.1	1	%		<MDL	0.1	1	%	0.7	<RDL	0.1	1	%
p-1.00 *	11		0.1	1	%	0.4	<RDL	0.1	1	%	5.1		0.1	1	%
p+0.00 *	7.8		0.1	1	%	0.3	<RDL	0.1	1	%	3		0.1	1	%
p+1.00 *	9.6		0.1	1	%	0.6	<RDL	0.1	1	%	3.3		0.1	1	%
p+2.00 *	26.4		0.1	1	%	1.4		0.1	1	%	6.2		0.1	1	%
p+3.00 *	19.7		0.1	1	%	7		0.1	1	%	7.7		0.1	1	%
p+4.00 *	4.2		0.1	1	%	23.3		0.1	1	%	10.1		0.1	1	%
p+5.00 *		<MDL	0.5	1	%	20.8		0.5	1	%	9.6		0.5	1	%
p+6.00 *		<MDL	0.5	1	%	11.4		0.5	1	%	9.6		0.5	1	%
p+7.00 *		<MDL	0.5	1	%	9.4		0.5	1	%	5.8		0.5	1	%
p+8.00 *		<MDL	0.5	1	%	6.2		0.5	1	%	6.7		0.5	1	%
p+9.00 *		<MDL	0.5	1	%	4.2		0.5	1	%	6.7		0.5	1	%
p+10.0(equal/more than) *	1.1		0.5	1	%	10.4		0.5	1	%	8.7		0.5	1	%
M=CV EPA 9030B (03-03-015-000)															
Total Sulfide	33.3		3	12.1	mg/Kg	22.1		1	4.05	mg/Kg	1.5	<RDL	0.96	3.82	mg/Kg
M=CV EPA 9060-PSEP96 (03-04-002-003															
Total Organic Carbon	3950		800	1590	mg/Kg	19900		1600	3120	mg/Kg	10900		650	1310	mg/Kg
M=CV SM2540-G (03-01-007-002)															
Total Solids *	82.5		0.005	0.01	%	49.4		0.005	0.01	%	52.3		0.005	0.01	%
Total Volatile Solids	1.98		0.00606	0.0121	%	7		0.0101	0.0202	%	5.03		0.00956	0.0191	%
M=CV SM4500-NH3-G(03-03-014-001)KCL															
Ammonia Nitrogen	2.82		0.61	1.21	mg/Kg	2.25		1	2.02	mg/Kg	2.24		0.96	1.91	mg/Kg
M=MT EPA 7471A (06-01-004-003)															
Mercury, Total, CVAA	0.034	<RDL	0.023	0.233	mg/Kg	0.553		0.04	0.407	mg/Kg	0.39		0.038	0.375	mg/Kg
M=MT EPA3050A/6010B (06-02-004-002)															
Antimony, Total, ICP		<MDL,G	1.8	9.08	mg/Kg		<MDL,G	3	15.2	mg/Kg		<MDL,G	2.9	14.3	mg/Kg
Arsenic, Total, ICP		<MDL	3	15.2	mg/Kg	8.1	<RDL	5.1	25.3	mg/Kg	7.8	<RDL	4.8	23.9	mg/Kg
Cadmium, Total, ICP		<MDL	0.18	0.908	mg/Kg	1.1	<RDL	0.3	1.52	mg/Kg		<MDL	0.29	1.43	mg/Kg
Chromium, Total, ICP	14.1		0.3	1.52	mg/Kg	43.9		0.51	2.53	mg/Kg	50.3		0.48	2.39	mg/Kg
Copper, Total, ICP	11.7		0.24	1.21	mg/Kg	61.7		0.4	2.02	mg/Kg	48		0.38	1.91	mg/Kg
Lead, Total, ICP	10.5		1.8	9.08	mg/Kg	94.1		3	15.2	mg/Kg	45.3		2.9	14.3	mg/Kg
Nickel, Total, ICP	19.2		1.2	6.06	mg/Kg	38.9		2	10.1	mg/Kg	53.7		1.9	9.56	mg/Kg
Silver, Total, ICP		<MDL	0.24	1.21	mg/Kg	3.91		0.4	2.02	mg/Kg	1.1	<RDL	0.38	1.91	mg/Kg
Zinc, Total, ICP	37.1		0.3	1.52	mg/Kg	114		0.51	2.53	mg/Kg	95		0.48	2.39	mg/Kg

Table B-1. 2006 Sediment Chemistry Results, Post Operation Year One Sediment Monitoring

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	Locator: DWMP-13 Sampled: Apr 18, 2006 Lab ID: L38758-13 Dry Weight Basis					Locator: DWMP-14 Sampled: Apr 18, 2006 Lab ID: L38758-14 Dry Weight Basis					Locator: DWMP-15 Sampled: Apr 18, 2006 Lab ID: L38758-15 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
M=OR EPA 3550B/8270C (7-3-01-004)															
1,2,4-Trichlorobenzene		<MDL	0.33	0.646	ug/Kg		<MDL	0.55	1.08	ug/Kg		<MDL	0.52	1.02	ug/Kg
1,2-Dichlorobenzene		<MDL	0.33	0.646	ug/Kg		<MDL	0.55	1.08	ug/Kg		<MDL	0.52	1.02	ug/Kg
1,3-Dichlorobenzene		<MDL	0.33	0.646	ug/Kg		<MDL	0.55	1.08	ug/Kg		<MDL	0.52	1.02	ug/Kg
1,4-Dichlorobenzene		<MDL	0.33	0.646	ug/Kg	4.09		0.55	1.08	ug/Kg		<MDL	0.52	1.02	ug/Kg
2,4-Dimethylphenol		<MDL	3.3	6.46	ug/Kg		<MDL	5.5	10.8	ug/Kg		<MDL	5.2	10.2	ug/Kg
2-Methylnaphthalene	6.73		3.3	6.46	ug/Kg	12.1		5.5	10.8	ug/Kg	14.9		5.2	10.2	ug/Kg
2-Methylphenol		<MDL	6.4	13	ug/Kg		<MDL	11	21.7	ug/Kg		<MDL	10	20.5	ug/Kg
4-Methylphenol		<MDL	6.4	13	ug/Kg		<MDL	11	21.7	ug/Kg		<MDL	10	20.5	ug/Kg
Acenaphthene	7.22		3.3	6.46	ug/Kg	38.5		5.5	10.8	ug/Kg	16.1		5.2	10.2	ug/Kg
Acenaphthylene	10.9		3.3	6.46	ug/Kg	70.9		5.5	10.8	ug/Kg	26.2		5.2	10.2	ug/Kg
Anthracene	120		3.3	6.46	ug/Kg	277		5.5	10.8	ug/Kg	135		5.2	10.2	ug/Kg
Benzo(a)anthracene	147		3.3	6.46	ug/Kg	553		5.5	10.8	ug/Kg	228		5.2	10.2	ug/Kg
Benzo(a)pyrene	178		3.3	6.46	ug/Kg	678		5.5	10.8	ug/Kg	300		5.2	10.2	ug/Kg
Benzo(b)fluoranthene	143		3.3	6.46	ug/Kg	632		5.5	10.8	ug/Kg	250		5.2	10.2	ug/Kg
Benzo(g,h,i)perylene	85.1		3.3	6.46	ug/Kg	417		5.5	10.8	ug/Kg	175		5.2	10.2	ug/Kg
Benzo(k)fluoranthene	175		3.3	6.46	ug/Kg	694		5.5	10.8	ug/Kg	310		5.2	10.2	ug/Kg
Benzoic Acid	116		16	32.4	ug/Kg	146		26	54	ug/Kg	111		25	51.1	ug/Kg
Benzyl Alcohol		<MDL	6.4	13	ug/Kg		<MDL	11	21.7	ug/Kg		<MDL	10	20.5	ug/Kg
Benzyl Butyl Phthalate		<MDL	6.4	13	ug/Kg	267		11	21.7	ug/Kg	70.2		10	20.5	ug/Kg
Bis(2-Ethylhexyl)Phthalate	236	B	6.4	13	ug/Kg	1400	B	11	21.7	ug/Kg	746	B	10	20.5	ug/Kg
Caffeine		<MDL	6.4	13	ug/Kg		<MDL	11	21.7	ug/Kg		<MDL	10	20.5	ug/Kg
Carbazole	32.2		3.3	6.46	ug/Kg	82		5.5	10.8	ug/Kg	32.9		5.2	10.2	ug/Kg
Chrysene	268		3.3	6.46	ug/Kg	721		5.5	10.8	ug/Kg	352		5.2	10.2	ug/Kg
Coprostanol		<MDL	64	130	ug/Kg		<MDL	110	217	ug/Kg		<MDL	100	205	ug/Kg
Dibenzo(a,h)anthracene	23.4		3.3	6.46	ug/Kg	138		5.5	10.8	ug/Kg	52.8		5.2	10.2	ug/Kg
Dibenzofuran	11.2		3.3	6.46	ug/Kg	24.3		5.5	10.8	ug/Kg	11.7		5.2	10.2	ug/Kg
Diethyl Phthalate		<MDL	6.4	13	ug/Kg		<MDL	11	21.7	ug/Kg		<MDL	10	20.5	ug/Kg
Dimethyl Phthalate		<MDL	6.4	13	ug/Kg		<MDL	11	21.7	ug/Kg		<MDL	10	20.5	ug/Kg
Di-N-Butyl Phthalate	85.5	B	6.4	13	ug/Kg	54	B	11	21.7	ug/Kg	38.8	B	10	20.5	ug/Kg
Di-N-Octyl Phthalate		<MDL	6.4	13	ug/Kg		<MDL	11	21.7	ug/Kg		<MDL	10	20.5	ug/Kg
Fluoranthene	259		3.3	6.46	ug/Kg	1070		5.5	10.8	ug/Kg	449		5.2	10.2	ug/Kg
Fluorene	24.6		3.3	6.46	ug/Kg	61.5		5.5	10.8	ug/Kg	31.9		5.2	10.2	ug/Kg
Hexachlorobenzene		<MDL	0.64	1.3	ug/Kg		<MDL	1.1	2.17	ug/Kg		<MDL	1	2.05	ug/Kg
Hexachlorobutadiene		<MDL	1.6	3.24	ug/Kg		<MDL	2.6	5.4	ug/Kg		<MDL	2.5	5.11	ug/Kg
Hexachloroethane		<MDL	1.6	3.24	ug/Kg		<MDL	2.6	5.4	ug/Kg		<MDL	2.5	5.11	ug/Kg
Indeno(1,2,3-Cd)Pyrene	72		3.3	6.46	ug/Kg	385		5.5	10.8	ug/Kg	162		5.2	10.2	ug/Kg
Naphthalene	5.3	<RDL	3.3	6.46	ug/Kg	16.7		5.5	10.8	ug/Kg	9.9	<RDL	5.2	10.2	ug/Kg
N-Nitrosodiphenylamine		<MDL	6.4	13	ug/Kg		<MDL	11	21.7	ug/Kg		<MDL	10	20.5	ug/Kg
Pentachlorophenol		<MDL	16	32.4	ug/Kg		<MDL	26	54	ug/Kg		<MDL	25	51.1	ug/Kg
Phenanthrene	126		3.3	6.46	ug/Kg	474		5.5	10.8	ug/Kg	199		5.2	10.2	ug/Kg

Table B-1. 2006 Sediment Chemistry Results, Post Operation Year One Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-13 Sampled: Apr 18, 2006 Lab ID: L38758-13 Dry Weight Basis					Locator: DWMP-14 Sampled: Apr 18, 2006 Lab ID: L38758-14 Dry Weight Basis					Locator: DWMP-15 Sampled: Apr 18, 2006 Lab ID: L38758-15 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Phenol	7.9	<RDL,E	6.4	13	ug/Kg		<MDL,E	11	21.7	ug/Kg		<MDL,E	10	20.5	ug/Kg
Pyrene	292		3.3	6.46	ug/Kg	1130		5.5	10.8	ug/Kg	436		5.2	10.2	ug/Kg
Total HPAHS	1640		3.3	6.46	ug/Kg	6420		5.5	10.8	ug/Kg	2720		5.2	10.2	ug/Kg
Total LPAHs	301		3.3	6.46	ug/Kg	949		5.5	10.8	ug/Kg	432		5.2	10.2	ug/Kg
M=OR EPA 8081A/8082 (7-3-03-002)															
4,4'-DDD		<MDL	1.2	2.42	ug/Kg	14		2	4.05	ug/Kg	4.09		1.9	3.82	ug/Kg
4,4'-DDE		<MDL	1.2	2.42	ug/Kg		<MDL	2	4.05	ug/Kg		<MDL	1.9	3.82	ug/Kg
4,4'-DDT	3.36		1.2	2.42	ug/Kg		<MDL	2	4.05	ug/Kg		<MDL	1.9	3.82	ug/Kg
Aldrin		<MDL	1.2	2.42	ug/Kg		<MDL	2	4.05	ug/Kg		<MDL	1.9	3.82	ug/Kg
Alpha-BHC		<MDL	0.61	1.21	ug/Kg		<MDL	1	2.02	ug/Kg		<MDL	0.96	1.91	ug/Kg
Alpha-Chlordane		<MDL,E	0.61	1.21	ug/Kg	1.9	<RDL,E	1	2.02	ug/Kg		<MDL,E	0.96	1.91	ug/Kg
Aroclor 1016		<MDL,TA	7	14.1	ug/Kg		<MDL,TA	57	114	ug/Kg		<MDL,TA	18	36.1	ug/Kg
Aroclor 1221		<MDL	3	6.06	ug/Kg		<MDL	5.1	10.1	ug/Kg		<MDL	4.8	9.56	ug/Kg
Aroclor 1232		<MDL,TA	11	21.9	ug/Kg		<MDL,TA	110	217	ug/Kg		<MDL,TA	31	62.7	ug/Kg
Aroclor 1242		<MDL,TA	11	21.7	ug/Kg		<MDL,TA	160	322	ug/Kg		<MDL,TA	50	100	ug/Kg
Aroclor 1248	15.5		1.6	3.03	ug/Kg	135		2.6	5.06	ug/Kg	39		2.5	4.78	ug/Kg
Aroclor 1254	28.2		1.6	3.03	ug/Kg	306		2.6	5.06	ug/Kg	91.6		2.5	4.78	ug/Kg
Aroclor 1260	7.39		1.6	3.03	ug/Kg	151		2.6	5.06	ug/Kg	69.6		2.5	4.78	ug/Kg
Beta-BHC		<MDL	0.61	1.21	ug/Kg		<MDL	1	2.02	ug/Kg		<MDL	0.96	1.91	ug/Kg
Delta-BHC		<MDL	0.61	1.21	ug/Kg		<MDL	1	2.02	ug/Kg		<MDL	0.96	1.91	ug/Kg
Dieldrin		<MDL	1.2	2.42	ug/Kg		<MDL	2	4.05	ug/Kg		<MDL	1.9	3.82	ug/Kg
Endosulfan I		<MDL	1.2	2.42	ug/Kg		<MDL	2	4.05	ug/Kg		<MDL	1.9	3.82	ug/Kg
Endosulfan II		<MDL	1.2	2.42	ug/Kg		<MDL	2	4.05	ug/Kg		<MDL	1.9	3.82	ug/Kg
Endosulfan Sulfate		<MDL,L	1.2	2.42	ug/Kg		<MDL,L	2	4.05	ug/Kg		<MDL,L	1.9	3.82	ug/Kg
Endrin		<MDL	1.2	2.42	ug/Kg		<MDL	2	4.05	ug/Kg		<MDL	1.9	3.82	ug/Kg
Endrin Aldehyde		<MDL	2.4	4.85	ug/Kg		<MDL	4	8.1	ug/Kg		<MDL	3.8	7.65	ug/Kg
Gamma-BHC (Lindane)		<MDL	0.61	1.21	ug/Kg		<MDL	1	2.02	ug/Kg		<MDL	0.96	1.91	ug/Kg
Gamma-Chlordane		<MDL	0.61	1.21	ug/Kg		<MDL	1	2.02	ug/Kg		<MDL	0.96	1.91	ug/Kg
Heptachlor		<MDL	0.61	1.21	ug/Kg		<MDL	1	2.02	ug/Kg		<MDL	0.96	1.91	ug/Kg
Heptachlor Epoxide		<MDL	0.61	1.21	ug/Kg		<MDL	1	2.02	ug/Kg		<MDL	0.96	1.91	ug/Kg
Methoxychlor		<MDL,L	6.1	12.1	ug/Kg		<MDL,L	10	20.2	ug/Kg		<MDL,L	9.6	19.1	ug/Kg
Toxaphene		<MDL	12	24.2	ug/Kg		<MDL	20	40.5	ug/Kg		<MDL	19	38.2	ug/Kg
M=OR EPA 8260B (7-3-02-002)															
1,1,2-Trichloroethylene		<MDL	1.2	2.42	ug/Kg		<MDL	2	4.05	ug/Kg		<MDL	1.9	3.82	ug/Kg
Ethylbenzene		<MDL	1.2	2.42	ug/Kg		<MDL	2	4.05	ug/Kg		<MDL	1.9	3.82	ug/Kg
Tetrachloroethylene		<MDL	1.2	2.42	ug/Kg		<MDL	2	4.05	ug/Kg		<MDL	1.9	3.82	ug/Kg
Total Xylenes		<MDL	1.2	2.42	ug/Kg		<MDL	2	4.05	ug/Kg		<MDL	1.9	3.82	ug/Kg

* Not converted to dry weight basis for this parameter

Table B-1. 2006 Sediment Chemistry Results, Post Operation Year One Sediment Monitoring

King County Environmental Lab Analytical Report

Parameters	Locator: DWMP-16 Sampled: Apr 18, 2006 Lab ID: L38758-16 Dry Weight Basis Value	Qual	MDL	RDL	Units
M=CV ASTM D422(03-02-005-001)					
Fines *	51.5		0.5	1	%
Clay *	15.3		0.5	1	%
Silt *	36.3		0.5	1	%
Sand *	24.5		0.1	1	%
Gravel *	19.9	E	0.1	1	%
p-2.00(less than) *	15.1		0.1	1	%
p-2.00 *	1.7		0.1	1	%
p-1.00 *	3.2		0.1	1	%
p+0.00 *	2.5		0.1	1	%
p+1.00 *	2.4		0.1	1	%
p+2.00 *	4.3		0.1	1	%
p+3.00 *	5.9		0.1	1	%
p+4.00 *	9.5		0.1	1	%
p+5.00 *	13.4		0.5	1	%
p+6.00 *	4.8		0.5	1	%
p+7.00 *	8.6		0.5	1	%
p+8.00 *	9.5		0.5	1	%
p+9.00 *	5.7		0.5	1	%
p+10.0(equal/more than) *	9.5		0.5	1	%
M=CV EPA 9030B (03-03-015-000)					
Total Sulfide	32.8		1.9	7.62	mg/Kg
M=CV EPA 9060-PSEP96 (03-04-002-003					
Total Organic Carbon	12700		880	1750	mg/Kg
M=CV SM2540-G (03-01-007-002)					
Total Solids *	52.5		0.005	0.01	%
Total Volatile Solids	5.14		0.00952	0.019	%
M=CV SM4500-NH3-G(03-03-014-001)KCL					
Ammonia Nitrogen	1.6	<RDL	0.95	1.9	mg/Kg
M=MT EPA 7471A (06-01-004-003)					
Mercury, Total, CVAA	0.411		0.038	0.383	mg/Kg
M=MT EPA3050A/6010B (06-02-004-002)					
Antimony, Total, ICP		<MDL,G	2.9	14.3	mg/Kg
Arsenic, Total, ICP	8	<RDL	4.8	23.8	mg/Kg
Cadmium, Total, ICP	0.57	<RDL	0.29	1.43	mg/Kg
Chromium, Total, ICP	56.2		0.48	2.38	mg/Kg
Copper, Total, ICP	58.1		0.38	1.9	mg/Kg
Lead, Total, ICP	67		2.9	14.3	mg/Kg
Nickel, Total, ICP	57.3		1.9	9.52	mg/Kg
Silver, Total, ICP	1	<RDL	0.38	1.9	mg/Kg
Zinc, Total, ICP	116		0.48	2.38	mg/Kg

Table B-1. 2006 Sediment Chemistry Results, Post Operation Year One Sediment Monitoring

King County Environmental Lab Analytical Report

Parameters	Locator: DWMP-16 Sampled: Apr 18, 2006 Lab ID: L38758-16 Dry Weight Basis Value	Qual	MDL	RDL	Units
M=OR EPA 3550B/8270C (7-3-01-004)					
1,2,4-Trichlorobenzene		<MDL	0.51	1.02	ug/Kg
1,2-Dichlorobenzene		<MDL	0.51	1.02	ug/Kg
1,3-Dichlorobenzene		<MDL	0.51	1.02	ug/Kg
1,4-Dichlorobenzene		<MDL	0.51	1.02	ug/Kg
2,4-Dimethylphenol		<MDL	5.1	10.2	ug/Kg
2-Methylnaphthalene		<MDL	5.1	10.2	ug/Kg
2-Methylphenol		<MDL	10	20.4	ug/Kg
4-Methylphenol		<MDL	10	20.4	ug/Kg
Acenaphthene	22.3		5.1	10.2	ug/Kg
Acenaphthylene	25.1		5.1	10.2	ug/Kg
Anthracene	127		5.1	10.2	ug/Kg
Benzo(a)anthracene	221		5.1	10.2	ug/Kg
Benzo(a)pyrene	290		5.1	10.2	ug/Kg
Benzo(b)fluoranthene	234		5.1	10.2	ug/Kg
Benzo(g,h,i)perylene	171		5.1	10.2	ug/Kg
Benzo(k)fluoranthene	242		5.1	10.2	ug/Kg
Benzoic Acid	115		25	50.9	ug/Kg
Benzyl Alcohol		<MDL	10	20.4	ug/Kg
Benzyl Butyl Phthalate	43.4		10	20.4	ug/Kg
Bis(2-Ethylhexyl)Phthalate	646	B	10	20.4	ug/Kg
Caffeine		<MDL	10	20.4	ug/Kg
Carbazole	31.8		5.1	10.2	ug/Kg
Chrysene	301		5.1	10.2	ug/Kg
Coprostanol		<MDL	100	204	ug/Kg
Dibenzo(a,h)anthracene	45.1		5.1	10.2	ug/Kg
Dibenzofuran	12.8		5.1	10.2	ug/Kg
Diethyl Phthalate		<MDL	10	20.4	ug/Kg
Dimethyl Phthalate		<MDL	10	20.4	ug/Kg
Di-N-Butyl Phthalate	31.6	B	10	20.4	ug/Kg
Di-N-Octyl Phthalate		<MDL	10	20.4	ug/Kg
Fluoranthene	417		5.1	10.2	ug/Kg
Fluorene	32.2		5.1	10.2	ug/Kg
Hexachlorobenzene		<MDL	1	2.04	ug/Kg
Hexachlorobutadiene		<MDL	2.5	5.09	ug/Kg
Hexachloroethane		<MDL	2.5	5.09	ug/Kg
Indeno(1,2,3-Cd)Pyrene	156		5.1	10.2	ug/Kg
Naphthalene	9	<RDL	5.1	10.2	ug/Kg
N-Nitrosodiphenylamine		<MDL	10	20.4	ug/Kg
Pentachlorophenol		<MDL	25	50.9	ug/Kg
Phenanthrene	238		5.1	10.2	ug/Kg

Table B-1. 2006 Sediment Chemistry Results, Post Operation Year One Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-16 Sampled: Apr 18, 2006 Lab ID: L38758-16 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Phenol		<MDL,E	10	20.4	ug/Kg
Pyrene	457		5.1	10.2	ug/Kg
Total HPAHS	2530		5.1	10.2	ug/Kg
Total LPAHs	459		5.1	10.2	ug/Kg
M=OR EPA 8081A/8082 (7-3-03-002)					
4,4'-DDD	3.8	<RDL	1.9	3.81	ug/Kg
4,4'-DDE		<MDL	1.9	3.81	ug/Kg
4,4'-DDT		<MDL	1.9	3.81	ug/Kg
Aldrin		<MDL	1.9	3.81	ug/Kg
Alpha-BHC		<MDL	0.95	1.9	ug/Kg
Alpha-Chlordane		<MDL,E	0.95	1.9	ug/Kg
Aroclor 1016		<MDL,TA	19	37.5	ug/Kg
Aroclor 1221		<MDL	4.8	9.52	ug/Kg
Aroclor 1232		<MDL,TA	40	79.4	ug/Kg
Aroclor 1242		<MDL,TA	57	114	ug/Kg
Aroclor 1248	48.8		2.5	4.76	ug/Kg
Aroclor 1254	105		2.5	4.76	ug/Kg
Aroclor 1260	71.4		2.5	4.76	ug/Kg
Beta-BHC		<MDL	0.95	1.9	ug/Kg
Delta-BHC		<MDL	0.95	1.9	ug/Kg
Dieldrin		<MDL	1.9	3.81	ug/Kg
Endosulfan I		<MDL	1.9	3.81	ug/Kg
Endosulfan II		<MDL	1.9	3.81	ug/Kg
Endosulfan Sulfate		<MDL,L	1.9	3.81	ug/Kg
Endrin		<MDL	1.9	3.81	ug/Kg
Endrin Aldehyde		<MDL	3.8	7.62	ug/Kg
Gamma-BHC (Lindane)		<MDL	0.95	1.9	ug/Kg
Gamma-Chlordane		<MDL	0.95	1.9	ug/Kg
Heptachlor		<MDL	0.95	1.9	ug/Kg
Heptachlor Epoxide		<MDL	0.95	1.9	ug/Kg
Methoxychlor		<MDL,L	9.5	19	ug/Kg
Toxaphene		<MDL	19	38.1	ug/Kg
M=OR EPA 8260B (7-3-02-002)					
1,1,2-Trichloroethylene		<MDL	1.9	3.81	ug/Kg
Ethylbenzene		<MDL	1.9	3.81	ug/Kg
Tetrachloroethylene		<MDL	1.9	3.81	ug/Kg
Total Xylenes		<MDL	1.9	3.81	ug/Kg

* Not converted to dry weight basis for this parameter

Table B-2: 2007 Sediment Chemistry Results, Post Operation Year Two Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-01					Locator: DWMP-02					Locator: DWMP-03					Locator: DWMP-04				
	Sampled: May 15, 2007					Sampled: May 15, 2007					Sampled: May 15, 2007					Sampled: May 15, 2007				
	Lab ID: L42475-1					Lab ID: L42475-2					Lab ID: L42475-3					Lab ID: L42475-4				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
M=CV ASTM D422(03-02-005-001)																				
Fines *	57.7		0.5	1	%	39.4		0.5	1	%	59.1		0.5	1	%	49.3		0.5	1	%
Clay *	17.7		0.5	1	%	12		0.5	1	%	15.6		0.5	1	%	12.8		0.5	1	%
Silt *	40		0.5	1	%	27.4		0.5	1	%	43.6		0.5	1	%	36.5		0.5	1	%
Sand *	28.8		0.1	1	%	53.5		0.1	1	%	33.7		0.1	1	%	39.4		0.1	1	%
Gravel *	5.7		0.1	1	%	3.4		0.1	1	%	1.2		0.1	1	%	5.5		0.1	1	%
p-2.00(less than) *	2.3		0.1	1	%	0.7	<RDL	0.1	1	%	0.3	<RDL	0.1	1	%	1.9		0.1	1	%
p-2.00 *	0.7	<RDL	0.1	1	%		<MDL	0.1	1	%	0.1	<RDL	0.1	1	%	0.2	<RDL	0.1	1	%
p-1.00 *	2.6		0.1	1	%	2.6		0.1	1	%	0.8	<RDL	0.1	1	%	3.4		0.1	1	%
p+0.00 *	1.7		0.1	1	%	2.4		0.1	1	%	0.9	<RDL	0.1	1	%	3.2		0.1	1	%
p+1.00 *	1.3		0.1	1	%	5.2		0.1	1	%	2.5		0.1	1	%	4.9		0.1	1	%
p+2.00 *	2.6		0.1	1	%	13.9		0.1	1	%	7.9		0.1	1	%	10.5		0.1	1	%
p+3.00 *	7		0.1	1	%	14.5		0.1	1	%	8.7		0.1	1	%	10.6		0.1	1	%
p+4.00 *	16.3		0.1	1	%	17.6		0.1	1	%	13.8		0.1	1	%	10.1		0.1	1	%
p+5.00 *	20		0.5	1	%	15.4		0.5	1	%	20.7		0.5	1	%	14.8		0.5	1	%
p+6.00 *	7.1		0.5	1	%	3.4		0.5	1	%	5.2		0.5	1	%	6.9		0.5	1	%
p+7.00 *	11.8		0.5	1	%	5.1		0.5	1	%	12.4		0.5	1	%	7.9		0.5	1	%
p+8.00 *	1.2		0.5	1	%	3.4		0.5	1	%	5.2		0.5	1	%	6.9		0.5	1	%
p+9.00 *	8.2		0.5	1	%	4.3		0.5	1	%	6.2		0.5	1	%	4		0.5	1	%
p+10.0(equal/more than) *	9.4		0.5	1	%	7.7		0.5	1	%	9.3		0.5	1	%	8.9		0.5	1	%
M=CV SM4500-NH3-G(03-03-014-001)KCL																				
Ammonia Nitrogen	5.9		0.22	0.448	mg/Kg	0.582		0.18	0.366	mg/Kg	1.77		0.21	0.424	mg/Kg	1.4		0.2	0.401	mg/Kg
M=CV EPA 9030B (03-03-015-000)																				
Total Sulfide	122		11	44.8	mg/Kg		<MDL	0.92	3.66	mg/Kg	4.2	<RDL	1.1	4.24	mg/Kg	4.61		1	4.01	mg/Kg
M=CV EPA 9060-PSEP96(03-04-002-003)																				
Total Organic Carbon	37000		3100	6080	mg/Kg	14700		2200	4320	mg/Kg	20300		3600	7180	mg/Kg	14800		1900	3750	mg/Kg
M=CV SM2540-G (03-01-007-002)																				
Total Solids *	44.6		0.005	0.01	%	54.6		0.005	0.01	%	47.2		0.005	0.01	%	49.9		0.005	0.01	%
Total Volatile Solids	15.9		0.0112	0.0224	%	5.24		0.00916	0.0183	%	6.33		0.0106	0.0212	%	5.55		0.01	0.02	%
M=MT EPA 7471A (06-01-004-003)																				
Mercury, Total, CVAA	0.861	E	0.047	0.462	mg/Kg	0.31	<RDL,E	0.037	0.361	mg/Kg	0.731	E	0.04	0.405	mg/Kg	0.387	E	0.038	0.385	mg/Kg
M=MT EPA3050B/6010B MOD(6-2-04-02)																				
Antimony, Total, ICP		<MDL,G	1.7	8.41	mg/Kg		<MDL,G	1.4	6.85	mg/Kg		<MDL,G	1.6	7.92	mg/Kg		<MDL,G	1.5	7.49	mg/Kg
Arsenic, Total, ICP	14	<RDL	2.7	14	mg/Kg	7.5	<RDL	2.2	11.4	mg/Kg	10	<RDL	2.5	13.2	mg/Kg	9.4	<RDL	2.4	12.5	mg/Kg
Cadmium, Total, ICP	1.38		0.22	1.12	mg/Kg	0.27	<RDL	0.18	0.914	mg/Kg	1.1		0.21	1.06	mg/Kg	0.42	<RDL	0.2	0.998	mg/Kg
Chromium, Total, ICP	52.9		0.34	1.68	mg/Kg	41.8		0.27	1.37	mg/Kg	47.5		0.32	1.58	mg/Kg	47.7		0.3	1.5	mg/Kg
Copper, Total, ICP	88.3		0.45	2.24	mg/Kg	49.1		0.37	1.83	mg/Kg	64.2		0.42	2.11	mg/Kg	48.7		0.4	2	mg/Kg
Lead, Total, ICP	160		2.2	11.2	mg/Kg	58.4		1.8	9.14	mg/Kg	95.1		2.1	10.6	mg/Kg	48.1		2	9.98	mg/Kg
Nickel, Total, ICP	45.5		0.56	2.8	mg/Kg	43.4		0.46	2.29	mg/Kg	46.4		0.53	2.65	mg/Kg	49.9		0.5	2.51	mg/Kg
Silver, Total, ICP	5.29		0.45	2.24	mg/Kg	1.5	<RDL	0.37	1.83	mg/Kg	3.67		0.42	2.11	mg/Kg	1.3	<RDL	0.4	2	mg/Kg
Zinc, Total, ICP	171		0.56	2.8	mg/Kg	93.2		0.46	2.29	mg/Kg	123		0.53	2.65	mg/Kg	97.4		0.5	2.51	mg/Kg
M=OR EPA 3550B/8270C (7-3-01-004)																				
1,2,4-Trichlorobenzene		<MDL	0.22	0.448	ug/Kg		<MDL	0.18	0.366	ug/Kg		<MDL	0.21	0.424	ug/Kg		<MDL	0.2	0.401	ug/Kg
1,2-Dichlorobenzene		<MDL	0.45	0.897	ug/Kg		<MDL	0.37	0.733	ug/Kg		<MDL	0.42	0.847	ug/Kg		<MDL	0.4	0.802	ug/Kg
1,3-Dichlorobenzene		<MDL	0.45	0.897	ug/Kg		<MDL	0.37	0.733	ug/Kg		<MDL	0.42	0.847	ug/Kg		<MDL	0.4	0.802	ug/Kg
1,4-Dichlorobenzene		<MDL	0.45	0.897	ug/Kg	1.64		0.37	0.733	ug/Kg		<MDL	0.42	0.847	ug/Kg		<MDL	0.4	0.802	ug/Kg
2,4-Dimethylphenol		<MDL	2.2	4.48	ug/Kg		<MDL	1.8	3.66	ug/Kg		<MDL	2.1	4.24	ug/Kg		<MDL	2	4.01	ug/Kg
2-Methylnaphthalene	28.5		4.5	8.97	ug/Kg	24.7		3.7	7.33	ug/Kg	10.4		4.2	8.47	ug/Kg		<MDL	4	8.02	ug/Kg
2-Methylphenol		<MDL	4.5	8.97	ug/Kg		<MDL	3.7	7.33	ug/Kg		<MDL	4.2	8.47	ug/Kg		<MDL	4	8.02	ug/Kg
4-Methylphenol		<MDL	9	17.9	ug/Kg		<MDL	7.3	14.7	ug/Kg		<MDL	8.5	16.9	ug/Kg		<MDL	8	16	ug/Kg
Acenaphthene	63.5		4.5	8.97	ug/Kg	113		3.7	7.33	ug/Kg	20.8		4.2	8.47	ug/Kg	13.3		4	8.02	ug/Kg

Table B-2: 2007 Sediment Chemistry Results, Post Operation Year Two Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-01					Locator: DWMP-02					Locator: DWMP-03					Locator: DWMP-04				
	Sampled: May 15, 2007					Sampled: May 15, 2007					Sampled: May 15, 2007					Sampled: May 15, 2007				
	Lab ID: L42475-1					Lab ID: L42475-2					Lab ID: L42475-3					Lab ID: L42475-4				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Acenaphthylene	325		4.5	8.97	ug/Kg	22.7		3.7	7.33	ug/Kg	32.8		4.2	8.47	ug/Kg	16		4	8.02	ug/Kg
Anthracene	1370		4.5	8.97	ug/Kg	238		3.7	7.33	ug/Kg	135		4.2	8.47	ug/Kg	64.5		4	8.02	ug/Kg
Benzo(a)anthracene	2600		4.5	8.97	ug/Kg	582		3.7	7.33	ug/Kg	294		4.2	8.47	ug/Kg	131		4	8.02	ug/Kg
Benzo(a)pyrene	3650		4.5	8.97	ug/Kg	458		3.7	7.33	ug/Kg	267		4.2	8.47	ug/Kg	140		4	8.02	ug/Kg
Benzo(b)fluoranthene	4390		4.5	8.97	ug/Kg	548		3.7	7.33	ug/Kg	375		4.2	8.47	ug/Kg	162		4	8.02	ug/Kg
Benzo(g,h,i)perylene	1540		4.5	8.97	ug/Kg	251		3.7	7.33	ug/Kg	162		4.2	8.47	ug/Kg	75.6		4	8.02	ug/Kg
Benzo(k)fluoranthene	3410		4.5	8.97	ug/Kg	333		3.7	7.33	ug/Kg	328		4.2	8.47	ug/Kg	124		4	8.02	ug/Kg
Benzoic Acid	126		22	44.8	ug/Kg	130		18	36.6	ug/Kg		<MDL	21	42.4	ug/Kg	91.6		20	40.1	ug/Kg
Benzyl Alcohol		<MDL	4.5	8.97	ug/Kg		<MDL	3.7	7.33	ug/Kg		<MDL	4.2	8.47	ug/Kg		<MDL	4	8.02	ug/Kg
Benzyl Butyl Phthalate	119		2.2	4.48	ug/Kg	46.5		1.8	3.66	ug/Kg		<MDL	2.1	4.24	ug/Kg		<MDL	2	4.01	ug/Kg
Bis(2-Ethylhexyl)Phthalate	740	B	9	17.9	ug/Kg	429	B	7.3	14.7	ug/Kg	517	B	8.5	16.9	ug/Kg	199	B	8	16	ug/Kg
Carbazole	437		4.5	8.97	ug/Kg	164		3.7	7.33	ug/Kg	55.3		4.2	8.47	ug/Kg	26.3		4	8.02	ug/Kg
Chrysene	4640		4.5	8.97	ug/Kg	630		3.7	7.33	ug/Kg	316		4.2	8.47	ug/Kg	182		4	8.02	ug/Kg
Coprostanol		<MDL	90	179	ug/Kg		<MDL	73	147	ug/Kg		<MDL	85	169	ug/Kg		<MDL	80	160	ug/Kg
Dibenzo(a,h)anthracene	922		4.5	8.97	ug/Kg	71.8		3.7	7.33	ug/Kg	57.8		4.2	8.47	ug/Kg	25.3		4	8.02	ug/Kg
Dibenzofuran	35.2		4.5	8.97	ug/Kg	49.1		3.7	7.33	ug/Kg	10.4		4.2	8.47	ug/Kg	4.8	<RDL	4	8.02	ug/Kg
Diethyl Phthalate		<MDL	9	17.9	ug/Kg		<MDL	7.3	14.7	ug/Kg		<MDL	8.5	16.9	ug/Kg		<MDL	8	16	ug/Kg
Dimethyl Phthalate		<MDL	9	17.9	ug/Kg		<MDL	7.3	14.7	ug/Kg		<MDL	8.5	16.9	ug/Kg		<MDL	8	16	ug/Kg
Di-N-Butyl Phthalate		<MDL	9	17.9	ug/Kg	20.5		7.3	14.7	ug/Kg		<MDL	8.5	16.9	ug/Kg	39.9		8	16	ug/Kg
Di-N-Octyl Phthalate		<MDL	9	17.9	ug/Kg		<MDL	7.3	14.7	ug/Kg		<MDL	8.5	16.9	ug/Kg		<MDL	8	16	ug/Kg
Fluoranthene	1880		4.5	8.97	ug/Kg	1160		3.7	7.33	ug/Kg	517		4.2	8.47	ug/Kg	228		4	8.02	ug/Kg
Fluorene	175		4.5	8.97	ug/Kg	98.7		3.7	7.33	ug/Kg	33.7		4.2	8.47	ug/Kg	17		4	8.02	ug/Kg
Hexachlorobenzene		<MDL	0.22	0.448	ug/Kg		<MDL	0.18	0.366	ug/Kg		<MDL	0.21	0.424	ug/Kg		<MDL	0.2	0.401	ug/Kg
Hexachlorobutadiene		<MDL	1.1	2.24	ug/Kg		<MDL	0.92	1.83	ug/Kg		<MDL	1.1	2.12	ug/Kg		<MDL	1	2	ug/Kg
Hexachloroethane		<MDL	2.2	4.48	ug/Kg		<MDL	1.8	3.66	ug/Kg		<MDL	2.1	4.24	ug/Kg		<MDL	2	4.01	ug/Kg
Indeno(1,2,3-Cd)Pyrene	1980		4.5	8.97	ug/Kg	304		3.7	7.33	ug/Kg	178		4.2	8.47	ug/Kg	87.8		4	8.02	ug/Kg
Naphthalene	46.2		4.5	8.97	ug/Kg	28.8		3.7	7.33	ug/Kg	12.5		4.2	8.47	ug/Kg		<MDL	4	8.02	ug/Kg
N-Nitrosodiphenylamine		<MDL	9	17.9	ug/Kg		<MDL	7.3	14.7	ug/Kg		<MDL	8.5	16.9	ug/Kg		<MDL	8	16	ug/Kg
Pentachlorophenol		<MDL	22	44.8	ug/Kg		<MDL	18	36.6	ug/Kg		<MDL	21	42.4	ug/Kg		<MDL	20	40.1	ug/Kg
Phenanthrene	857		4.5	8.97	ug/Kg	824		3.7	7.33	ug/Kg	216		4.2	8.47	ug/Kg	109		4	8.02	ug/Kg
Phenol		<MDL	9	17.9	ug/Kg		<MDL	7.3	14.7	ug/Kg		<MDL	8.5	16.9	ug/Kg		<MDL	8	16	ug/Kg
Pyrene	2690		4.5	8.97	ug/Kg	1020		3.7	7.33	ug/Kg	544		4.2	8.47	ug/Kg	224		4	8.02	ug/Kg
Total HPAHS	29100		4.5	8.97	ug/Kg	5420		3.7	7.33	ug/Kg	3030		4.2	8.47	ug/Kg	1380		4	8.02	ug/Kg
Total LPAHs	2870		4.5	8.97	ug/Kg	1350		3.7	7.33	ug/Kg	462		4.2	8.47	ug/Kg	222		4	8.02	ug/Kg
M=OR EPA 8081A/8082 (7-3-03-002)																				
4,4'-DDD		<MDL,L	1.5	2.98	ug/Kg	3.63		1.2	2.44	ug/Kg	12.3		1.4	2.82	ug/Kg	3.11		1.3	2.67	ug/Kg
4,4'-DDE		<MDL,L	1.5	2.98	ug/Kg		<MDL	1.2	2.44	ug/Kg		<MDL	1.4	2.82	ug/Kg		<MDL	1.3	2.67	ug/Kg
4,4'-DDT		<MDL,L,E	1.5	2.98	ug/Kg		<MDL,E	1.2	2.44	ug/Kg		<MDL,E	1.4	2.82	ug/Kg		<MDL,E	1.3	2.67	ug/Kg
Aldrin		<MDL,L	1.5	2.98	ug/Kg		<MDL	1.2	2.44	ug/Kg		<MDL	1.4	2.82	ug/Kg		<MDL	1.3	2.67	ug/Kg
Alpha-BHC		<MDL,L	0.74	1.5	ug/Kg		<MDL	0.6	1.22	ug/Kg		<MDL	0.7	1.41	ug/Kg		<MDL	0.66	1.34	ug/Kg
Alpha-Chlordane		<MDL,L	0.74	1.5	ug/Kg	0.73	<RDL	0.6	1.22	ug/Kg	2.56		0.7	1.41	ug/Kg		<MDL	0.66	1.34	ug/Kg
Beta-BHC		<MDL,L	0.74	1.5	ug/Kg		<MDL	0.6	1.22	ug/Kg		<MDL	0.7	1.41	ug/Kg		<MDL	0.66	1.34	ug/Kg
Delta-BHC		<MDL,L	0.74	1.5	ug/Kg		<MDL	0.6	1.22	ug/Kg		<MDL	0.7	1.41	ug/Kg		<MDL	0.66	1.34	ug/Kg
Dieldrin		<MDL,L	1.5	2.98	ug/Kg		<MDL	1.2	2.44	ug/Kg		<MDL	1.4	2.82	ug/Kg		<MDL	1.3	2.67	ug/Kg
Endosulfan I		<MDL,L	1.5	2.98	ug/Kg		<MDL	1.2	2.44	ug/Kg		<MDL	1.4	2.82	ug/Kg		<MDL	1.3	2.67	ug/Kg
Endosulfan II		<MDL,L	1.5	2.98	ug/Kg		<MDL	1.2	2.44	ug/Kg		<MDL	1.4	2.82	ug/Kg		<MDL	1.3	2.67	ug/Kg
Endosulfan Sulfate		<MDL,L	1.5	2.98	ug/Kg		<MDL	1.2	2.44	ug/Kg		<MDL	1.4	2.82	ug/Kg		<MDL	1.3	2.67	ug/Kg
Endrin		<MDL,L	1.5	2.98	ug/Kg		<MDL	1.2	2.44	ug/Kg		<MDL	1.4	2.82	ug/Kg		<MDL	1.3	2.67	ug/Kg
Endrin Aldehyde		<MDL,L	1.5	2.98	ug/Kg		<MDL	1.2	2.44	ug/Kg		<MDL	1.4	2.82	ug/Kg		<MDL	1.3	2.67	ug/Kg
Gamma-BHC (Lindane)		<MDL,L	0.74	1.5	ug/Kg		<MDL	0.6	1.22	ug/Kg		<MDL	0.7	1.41	ug/Kg		<MDL	0.66	1.34	ug/Kg
Gamma-Chlordane		<MDL,L	0.74	1.5	ug/Kg		<MDL	0.6	1.22	ug/Kg	10.1		0.7	1.41	ug/Kg	2.61		0.66	1.34	ug/Kg

Table B-2: 2007 Sediment Chemistry Results, Post Operation Year Two Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-01					Locator: DWMP-02					Locator: DWMP-03					Locator: DWMP-04				
	Sampled: May 15, 2007					Sampled: May 15, 2007					Sampled: May 15, 2007					Sampled: May 15, 2007				
	Lab ID: L42475-1					Lab ID: L42475-2					Lab ID: L42475-3					Lab ID: L42475-4				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Heptachlor		<MDL,L	0.74	1.5	ug/Kg		<MDL	0.6	1.22	ug/Kg		<MDL	0.7	1.41	ug/Kg		<MDL	0.66	1.34	ug/Kg
Heptachlor Epoxide		<MDL,L	0.74	1.5	ug/Kg		<MDL	0.6	1.22	ug/Kg		<MDL	0.7	1.41	ug/Kg		<MDL	0.66	1.34	ug/Kg
Methoxychlor		<MDL,L	7.4	15	ug/Kg		<MDL	6	12.2	ug/Kg		<MDL	7	14.1	ug/Kg		<MDL,E	6.6	13.4	ug/Kg
Toxaphene		<MDL,L	15	29.8	ug/Kg		<MDL	12	24.4	ug/Kg		<MDL	14	28.2	ug/Kg		<MDL	13	26.7	ug/Kg
M=OR EPA 8081A/8082 (7-3-103-000)																				
Aroclor 1016		<MDL,TA	76	151	ug/Kg		<MDL,TA	7.7	15.4	ug/Kg		<MDL,TA	30	60.6	ug/Kg		<MDL,TA	8.6	17.1	ug/Kg
Aroclor 1221		<MDL	38	74.7	ug/Kg		<MDL	3.1	6.1	ug/Kg		<MDL	3.6	7.06	ug/Kg		<MDL	3.4	6.67	ug/Kg
Aroclor 1232		<MDL,TA	160	316	ug/Kg		<MDL,TA	24	47.1	ug/Kg		<MDL,TA	70	142	ug/Kg		<MDL,TA	24	48.7	ug/Kg
Aroclor 1242		<MDL,TA	250	500	ug/Kg		<MDL,TA	24	47.8	ug/Kg		<MDL,TA	91	184	ug/Kg		<MDL,TA	38	78	ug/Kg
Aroclor 1248	172		19	37.4	ug/Kg	19		1.5	3.06	ug/Kg	62.1		1.8	3.54	ug/Kg	22		1.7	3.35	ug/Kg
Aroclor 1254	451		19	37.4	ug/Kg	63.9		1.5	3.06	ug/Kg	180		1.8	3.54	ug/Kg	65.5		1.7	3.35	ug/Kg
Aroclor 1260	162		19	37.4	ug/Kg	54.6		1.5	3.06	ug/Kg	111		1.8	3.54	ug/Kg	51.5		1.7	3.35	ug/Kg
Total PCBs	785				ug/Kg	138				ug/Kg	353				ug/Kg	139				ug/Kg
M=OR EPA 8260B (7-3-02-003)																				
1,1,2-Trichloroethylene		<MDL	2.2	4.48	ug/Kg		<MDL	1.8	3.66	ug/Kg		<MDL	2.1	4.24	ug/Kg		<MDL	2	4.01	ug/Kg
Ethylbenzene		<MDL	2.2	4.48	ug/Kg		<MDL	1.8	3.66	ug/Kg		<MDL	2.1	4.24	ug/Kg		<MDL	2	4.01	ug/Kg
Tetrachloroethylene		<MDL	2.2	4.48	ug/Kg		<MDL	1.8	3.66	ug/Kg		<MDL	2.1	4.24	ug/Kg		<MDL	2	4.01	ug/Kg
Total Xylenes		<MDL	2.2	4.48	ug/Kg		<MDL	1.8	3.66	ug/Kg		<MDL	2.1	4.24	ug/Kg		<MDL	2	4.01	ug/Kg

*Not converted to dry weight for this parameter.

Table B-2: 2007 Sediment Chemistry Results, Post Operation Year Two Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-05					Locator: DWMP-06					Locator: DWMP-07					Locator: DWMP-08				
	Sampled: May 17, 2007					Sampled: May 16, 2007					Sampled: May 15, 2007					Sampled: May 16, 2007				
	Lab ID: L42475-5					Lab ID: L42475-6					Lab ID: L42475-7					Lab ID: L42475-8				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
M=CV ASTM D422(03-02-005-001)																				
Fines *	8.5		0.5	1	%	33.7		0.5	1	%	45		0.5	1	%	45.8		0.5	1	%
Clay *	4.9		0.5	1	%	10.3		0.5	1	%	13.1		0.5	1	%	13.4		0.5	1	%
Silt *	3.6		0.5	1	%	23.4		0.5	1	%	31.9		0.5	1	%	32.5		0.5	1	%
Sand *	30.9		0.1	1	%	62.6		0.1	1	%	46.9		0.1	1	%	42.8		0.1	1	%
Gravel *	61.6		0.1	1	%	1.8		0.1	1	%	2.6		0.1	1	%	9.2		0.1	1	%
p-2.00(less than) *	34.4		0.1	1	%	0.5	<RDL	0.1	1	%	0.3	<RDL	0.1	1	%	5.1		0.1	1	%
p-2.00 *	7.3		0.1	1	%	0.4	<RDL	0.1	1	%	0.6	<RDL	0.1	1	%	0.4	<RDL	0.1	1	%
p-1.00 *	19.8		0.1	1	%	0.9	<RDL	0.1	1	%	1.7		0.1	1	%	3.8		0.1	1	%
p+0.00 *	10.7		0.1	1	%	1.3		0.1	1	%	1.9		0.1	1	%	3.3		0.1	1	%
p+1.00 *	6.7		0.1	1	%	13.1		0.1	1	%	3.6		0.1	1	%	5.5		0.1	1	%
p+2.00 *	6.8		0.1	1	%	31.3		0.1	1	%	12		0.1	1	%	14.2		0.1	1	%
p+3.00 *	4.2		0.1	1	%	10.9		0.1	1	%	17.5		0.1	1	%	10.9		0.1	1	%
p+4.00 *	2.7		0.1	1	%	6		0.1	1	%	11.9		0.1	1	%	9		0.1	1	%
p+5.00 *	2.4		0.5	1	%	11.2		0.5	1	%	16.9		0.5	1	%	14.3		0.5	1	%
p+6.00 *	1.2		0.5	1	%	3.7		0.5	1	%	4.7		0.5	1	%	4.8		0.5	1	%
p+7.00 *		<MDL	0.5	1	%	5.6		0.5	1	%	5.6		0.5	1	%	8.6		0.5	1	%
p+8.00 *		<MDL	0.5	1	%	2.8		0.5	1	%	4.7		0.5	1	%	4.8		0.5	1	%
p+9.00 *	2.4		0.5	1	%	3.7		0.5	1	%	5.6		0.5	1	%	5.7		0.5	1	%
p+10.0(equal/more than) *	2.4		0.5	1	%	6.5		0.5	1	%	7.5		0.5	1	%	7.6		0.5	1	%
M=CV SM4500-NH3-G(03-03-014-001)KCL																				
Ammonia Nitrogen	7.13		0.67	1.35	mg/Kg	1.8		0.2	0.402	mg/Kg	1.16		0.19	0.39	mg/Kg	3.3		0.2	0.41	mg/Kg
M=CV EPA 9030B (03-03-015-000)																				
Total Sulfide	121		6.7	27	mg/Kg		<MDL	1	4.02	mg/Kg	18.2		1.9	7.8	mg/Kg	1030		100	410	mg/Kg
M=CV EPA 9060-PSEP96(03-04-002-003)																				
Total Organic Carbon	14200		1800	3520	mg/Kg	18200		3200	6360	mg/Kg	15800		2300	4780	mg/Kg	22700		2300	4530	mg/Kg
M=CV SM2540-G (03-01-007-002)																				
Total Solids *	74.2		0.005	0.01	%	49.7		0.005	0.01	%	51.3		0.005	0.01	%	48.8		0.005	0.01	%
Total Volatile Solids	2.74		0.00674	0.0135	%	6.32		0.0101	0.0201	%	5.05		0.00975	0.0195	%	7.54		0.0102	0.0205	%
M=MT EPA 7471A (06-01-004-003)																				
Mercury, Total, CVAA	0.065	<RDL,E	0.028	0.282	mg/Kg	0.2	<RDL,E	0.038	0.392	mg/Kg	0.476	E	0.037	0.38	mg/Kg	0.605	E	0.039	0.393	mg/Kg
M=MT EPA3050B/6010B MOD(6-2-04-02)																				
Antimony, Total, ICP		<MDL,G	1	5.03	mg/Kg		<MDL,G	1.5	7.55	mg/Kg		<MDL,G	1.5	7.31	mg/Kg		<MDL,G	1.5	7.68	mg/Kg
Arsenic, Total, ICP	14.3		1.6	8.38	mg/Kg	6.8	<RDL	2.4	12.6	mg/Kg	7.8	<RDL	2.3	12.2	mg/Kg	9.4	<RDL	2.7	12.8	mg/Kg
Cadmium, Total, ICP	0.31	<RDL	0.13	0.67	mg/Kg	0.34	<RDL	0.2	1.01	mg/Kg	0.43	<RDL	0.19	0.975	mg/Kg	0.8	<RDL	0.2	1.02	mg/Kg
Chromium, Total, ICP	616		0.2	1.01	mg/Kg	28.2		0.3	1.51	mg/Kg	36.6		0.29	1.46	mg/Kg	57		0.31	1.54	mg/Kg
Copper, Total, ICP	76.7		0.27	1.34	mg/Kg	35.2		0.4	2.01	mg/Kg	46.8		0.39	1.95	mg/Kg	62.3		0.41	2.05	mg/Kg
Lead, Total, ICP	24.4		1.3	6.7	mg/Kg	31.6		2	10.1	mg/Kg	69.4		1.9	9.75	mg/Kg	79.7		2	10.2	mg/Kg
Nickel, Total, ICP	69		0.34	1.67	mg/Kg	27.2		0.5	2.52	mg/Kg	33.5		0.49	2.44	mg/Kg	51.2		0.51	2.56	mg/Kg
Silver, Total, ICP	1.1	<RDL	0.27	1.34	mg/Kg	1	<RDL	0.4	2.01	mg/Kg	1.5	<RDL	0.39	1.95	mg/Kg	3.77		0.41	2.05	mg/Kg
Zinc, Total, ICP	62.9		0.34	1.67	mg/Kg	81.3		0.5	2.52	mg/Kg	91		0.49	2.44	mg/Kg	119		0.51	2.56	mg/Kg
M=OR EPA 3550B/8270C (7-3-01-004)																				
1,2,4-Trichlorobenzene		<MDL	0.13	0.27	ug/Kg		<MDL	0.2	0.402	ug/Kg		<MDL	0.19	0.39	ug/Kg		<MDL	0.2	0.41	ug/Kg
1,2-Dichlorobenzene		<MDL	0.27	0.539	ug/Kg		<MDL	0.4	0.805	ug/Kg		<MDL	0.39	0.78	ug/Kg		<MDL	0.41	0.82	ug/Kg
1,3-Dichlorobenzene		<MDL	0.27	0.539	ug/Kg		<MDL	0.4	0.805	ug/Kg		<MDL	0.39	0.78	ug/Kg		<MDL	0.41	0.82	ug/Kg
1,4-Dichlorobenzene		<MDL	0.27	0.539	ug/Kg		<MDL	0.4	0.805	ug/Kg		<MDL	0.39	0.78	ug/Kg	5.08		0.41	0.82	ug/Kg
2,4-Dimethylphenol		<MDL	1.3	2.7	ug/Kg		<MDL	2	4.02	ug/Kg		<MDL	1.9	3.9	ug/Kg		<MDL	2	4.1	ug/Kg
2-Methylnaphthalene	6.39		2.7	5.39	ug/Kg		<MDL	4	8.05	ug/Kg	4.5	<RDL	3.9	7.8	ug/Kg	9.08		4.1	8.2	ug/Kg
2-Methylphenol		<MDL	2.7	5.39	ug/Kg		<MDL	4	8.05	ug/Kg		<MDL	3.9	7.8	ug/Kg		<MDL	4.1	8.2	ug/Kg
4-Methylphenol		<MDL	5.4	10.8	ug/Kg		<MDL	8	16.1	ug/Kg		<MDL	7.8	15.6	ug/Kg		<MDL	8.2	16.4	ug/Kg
Acenaphthene	29.2		2.7	5.39	ug/Kg	8.71		4	8.05	ug/Kg	10		3.9	7.8	ug/Kg	20.7		4.1	8.2	ug/Kg

Table B-2: 2007 Sediment Chemistry Results, Post Operation Year Two Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-05					Locator: DWMP-06					Locator: DWMP-07					Locator: DWMP-08				
	Sampled: May 17, 2007					Sampled: May 16, 2007					Sampled: May 15, 2007					Sampled: May 16, 2007				
	Lab ID: L42475-5					Lab ID: L42475-6					Lab ID: L42475-7					Lab ID: L42475-8				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Acenaphthylene	26.8		2.7	5.39	ug/Kg	11		4	8.05	ug/Kg	8.75		3.9	7.8	ug/Kg		<MDL	4.1	8.2	ug/Kg
Anthracene	193		2.7	5.39	ug/Kg	41.4		4	8.05	ug/Kg	48		3.9	7.8	ug/Kg	75		4.1	8.2	ug/Kg
Benzo(a)anthracene	226		2.7	5.39	ug/Kg	106		4	8.05	ug/Kg	119		3.9	7.8	ug/Kg	152		4.1	8.2	ug/Kg
Benzo(a)pyrene	236		2.7	5.39	ug/Kg	127		4	8.05	ug/Kg	135		3.9	7.8	ug/Kg	161		4.1	8.2	ug/Kg
Benzo(b)fluoranthene	268		2.7	5.39	ug/Kg	168		4	8.05	ug/Kg	179		3.9	7.8	ug/Kg	183		4.1	8.2	ug/Kg
Benzo(g,h,i)perylene	87.9		2.7	5.39	ug/Kg	62.8		4	8.05	ug/Kg	65.3		3.9	7.8	ug/Kg	79.7		4.1	8.2	ug/Kg
Benzo(k)fluoranthene	322		2.7	5.39	ug/Kg	101		4	8.05	ug/Kg	91		3.9	7.8	ug/Kg	151		4.1	8.2	ug/Kg
Benzoic Acid	163		13	27	ug/Kg	98.2		20	40.2	ug/Kg	86		19	39	ug/Kg	97.3		20	41	ug/Kg
Benzyl Alcohol		<MDL	2.7	5.39	ug/Kg		<MDL	4	8.05	ug/Kg		<MDL	3.9	7.8	ug/Kg		<MDL	4.1	8.2	ug/Kg
Benzyl Butyl Phthalate		<MDL	1.3	2.7	ug/Kg	25.8		2	4.02	ug/Kg	26.7		1.9	3.9	ug/Kg	75.6		2	4.1	ug/Kg
Bis(2-Ethylhexyl)Phthalate	1000	B	5.4	10.8	ug/Kg	4770	B	8	16.1	ug/Kg	170	B	7.8	15.6	ug/Kg	949	B	8.2	16.4	ug/Kg
Carbazole	98.9		2.7	5.39	ug/Kg	39		4	8.05	ug/Kg	21.8		3.9	7.8	ug/Kg	39.1		4.1	8.2	ug/Kg
Chrysene	354		2.7	5.39	ug/Kg	158		4	8.05	ug/Kg	161		3.9	7.8	ug/Kg	183		4.1	8.2	ug/Kg
Coprostanol		<MDL	54	108	ug/Kg	427		80	161	ug/Kg		<MDL	78	156	ug/Kg	568		82	164	ug/Kg
Dibenzo(a,h)anthracene	44.1		2.7	5.39	ug/Kg	21.1		4	8.05	ug/Kg	25.5		3.9	7.8	ug/Kg	32.2		4.1	8.2	ug/Kg
Dibenzofuran	13.9		2.7	5.39	ug/Kg	4.6	<RDL	4	8.05	ug/Kg	4.7	<RDL	3.9	7.8	ug/Kg	16.6		4.1	8.2	ug/Kg
Diethyl Phthalate		<MDL	5.4	10.8	ug/Kg		<MDL	8	16.1	ug/Kg		<MDL	7.8	15.6	ug/Kg		<MDL	8.2	16.4	ug/Kg
Dimethyl Phthalate		<MDL	5.4	10.8	ug/Kg		<MDL	8	16.1	ug/Kg		<MDL	7.8	15.6	ug/Kg		<MDL	8.2	16.4	ug/Kg
Di-N-Butyl Phthalate		<MDL	5.4	10.8	ug/Kg		<MDL	8	16.1	ug/Kg	11	<RDL	7.8	15.6	ug/Kg		<MDL	8.2	16.4	ug/Kg
Di-N-Octyl Phthalate		<MDL	5.4	10.8	ug/Kg		<MDL	8	16.1	ug/Kg		<MDL	7.8	15.6	ug/Kg		<MDL	8.2	16.4	ug/Kg
Fluoranthene	512		2.7	5.39	ug/Kg	239		4	8.05	ug/Kg	220		3.9	7.8	ug/Kg	365		4.1	8.2	ug/Kg
Fluorene	40.3		2.7	5.39	ug/Kg	15.2		4	8.05	ug/Kg	14.7		3.9	7.8	ug/Kg	28.7		4.1	8.2	ug/Kg
Hexachlorobenzene		<MDL	0.13	0.27	ug/Kg		<MDL	0.2	0.402	ug/Kg		<MDL	0.19	0.39	ug/Kg		<MDL	0.2	0.41	ug/Kg
Hexachlorobutadiene		<MDL	0.67	1.35	ug/Kg		<MDL	1	2.01	ug/Kg		<MDL	0.97	1.95	ug/Kg		<MDL	1	2.05	ug/Kg
Hexachloroethane		<MDL	1.3	2.7	ug/Kg		<MDL	2	4.02	ug/Kg		<MDL	1.9	3.9	ug/Kg		<MDL	2	4.1	ug/Kg
Indeno(1,2,3-Cd)Pyrene	126		2.7	5.39	ug/Kg	77.3		4	8.05	ug/Kg	84.8		3.9	7.8	ug/Kg	103		4.1	8.2	ug/Kg
Naphthalene	4	<RDL	2.7	5.39	ug/Kg	5	<RDL	4	8.05	ug/Kg	7.93		3.9	7.8	ug/Kg	12.1		4.1	8.2	ug/Kg
N-Nitrosodiphenylamine		<MDL	5.4	10.8	ug/Kg		<MDL	8	16.1	ug/Kg		<MDL	7.8	15.6	ug/Kg		<MDL	8.2	16.4	ug/Kg
Pentachlorophenol		<MDL	13	27	ug/Kg		<MDL	20	40.2	ug/Kg		<MDL	19	39	ug/Kg		<MDL	20	41	ug/Kg
Phenanthrene	279		2.7	5.39	ug/Kg	121		4	8.05	ug/Kg	119		3.9	7.8	ug/Kg	207		4.1	8.2	ug/Kg
Phenol		<MDL	5.4	10.8	ug/Kg		<MDL	8	16.1	ug/Kg		<MDL	7.8	15.6	ug/Kg		<MDL	8.2	16.4	ug/Kg
Pyrene	484		2.7	5.39	ug/Kg	219		4	8.05	ug/Kg	211		3.9	7.8	ug/Kg	385		4.1	8.2	ug/Kg
Total HPAHS	2650		2.7	5.39	ug/Kg	1280		4	8.05	ug/Kg	1290		3.9	7.8	ug/Kg	1800		4.1	8.2	ug/Kg
Total LPAHs	578		2.7	5.39	ug/Kg	205		4	8.05	ug/Kg	212		3.9	7.8	ug/Kg	352		4.1	8.2	ug/Kg
M=OR EPA 8081A/8082 (7-3-03-002)																				
4,4'-DDD		<MDL	0.9	1.79	ug/Kg	1.8	<RDL	1.3	2.68	ug/Kg	3.49		1.3	2.59	ug/Kg		<MDL	1.4	2.73	ug/Kg
4,4'-DDE		<MDL	0.9	1.79	ug/Kg		<MDL	1.3	2.68	ug/Kg		<MDL	1.3	2.59	ug/Kg	41		1.4	2.73	ug/Kg
4,4'-DDT		<MDL,E	0.9	1.79	ug/Kg		<MDL,E	1.3	2.68	ug/Kg		<MDL,E	1.3	2.59	ug/Kg		<MDL,E	1.4	2.73	ug/Kg
Aldrin		<MDL	0.9	1.79	ug/Kg		<MDL	1.3	2.68	ug/Kg		<MDL	1.3	2.59	ug/Kg		<MDL	1.4	2.73	ug/Kg
Alpha-BHC		<MDL	0.44	0.899	ug/Kg		<MDL	0.66	1.34	ug/Kg		<MDL	0.64	1.3	ug/Kg		<MDL	0.68	1.37	ug/Kg
Alpha-Chlordane		<MDL	0.44	0.899	ug/Kg		<MDL	0.66	1.34	ug/Kg		<MDL	0.64	1.3	ug/Kg	1.45		0.68	1.37	ug/Kg
Beta-BHC		<MDL	0.44	0.899	ug/Kg		<MDL	0.66	1.34	ug/Kg		<MDL	0.64	1.3	ug/Kg		<MDL	0.68	1.37	ug/Kg
Delta-BHC		<MDL	0.44	0.899	ug/Kg		<MDL	0.66	1.34	ug/Kg		<MDL	0.64	1.3	ug/Kg		<MDL	0.68	1.37	ug/Kg
Dieldrin		<MDL	0.9	1.79	ug/Kg		<MDL	1.3	2.68	ug/Kg		<MDL	1.3	2.59	ug/Kg		<MDL	1.4	2.73	ug/Kg
Endosulfan I		<MDL	0.9	1.79	ug/Kg		<MDL	1.3	2.68	ug/Kg		<MDL	1.3	2.59	ug/Kg		<MDL	1.4	2.73	ug/Kg
Endosulfan II		<MDL	0.9	1.79	ug/Kg		<MDL	1.3	2.68	ug/Kg		<MDL	1.3	2.59	ug/Kg		<MDL	1.4	2.73	ug/Kg
Endosulfan Sulfate		<MDL	0.9	1.79	ug/Kg		<MDL	1.3	2.68	ug/Kg		<MDL	1.3	2.59	ug/Kg		<MDL	1.4	2.73	ug/Kg
Endrin		<MDL	0.9	1.79	ug/Kg		<MDL	1.3	2.68	ug/Kg		<MDL	1.3	2.59	ug/Kg		<MDL	1.4	2.73	ug/Kg
Endrin Aldehyde		<MDL	0.9	1.79	ug/Kg		<MDL	1.3	2.68	ug/Kg		<MDL	1.3	2.59	ug/Kg		<MDL	1.4	2.73	ug/Kg
Gamma-BHC (Lindane)		<MDL	0.44	0.899	ug/Kg		<MDL	0.66	1.34	ug/Kg		<MDL	0.64	1.3	ug/Kg		<MDL	0.68	1.37	ug/Kg
Gamma-Chlordane		<MDL	0.44	0.899	ug/Kg	1.96		0.66	1.34	ug/Kg		<MDL	0.64	1.3	ug/Kg	9.86		0.68	1.37	ug/Kg

Table B-2: 2007 Sediment Chemistry Results, Post Operation Year Two Sediment Monitoring

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	Locator: DWMP-05 Sampled: May 17, 2007 Lab ID: L42475-5 Dry Weight Basis					Locator: DWMP-06 Sampled: May 16, 2007 Lab ID: L42475-6 Dry Weight Basis					Locator: DWMP-07 Sampled: May 15, 2007 Lab ID: L42475-7 Dry Weight Basis					Locator: DWMP-08 Sampled: May 16, 2007 Lab ID: L42475-8 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Heptachlor		<MDL	0.44	0.899	ug/Kg		<MDL	0.66	1.34	ug/Kg		<MDL	0.64	1.3	ug/Kg		<MDL	0.68	1.37	ug/Kg
Heptachlor Epoxide		<MDL	0.44	0.899	ug/Kg		<MDL	0.66	1.34	ug/Kg		<MDL	0.64	1.3	ug/Kg		<MDL	0.68	1.37	ug/Kg
Methoxychlor		<MDL,E	4.4	8.99	ug/Kg		<MDL,E	6.6	13.4	ug/Kg		<MDL,E	6.4	13	ug/Kg		<MDL,E	6.8	13.7	ug/Kg
Toxaphene		<MDL	9	17.9	ug/Kg		<MDL	13	26.8	ug/Kg		<MDL	13	25.9	ug/Kg		<MDL	14	27.3	ug/Kg
M=OR EPA 8081A/8082 (7-3-103-000)																				
Aroclor 1016		<MDL,TA	9.8	19.8	ug/Kg		<MDL,TA	7	14.1	ug/Kg		<MDL,TA	9.7	19.4	ug/Kg		<MDL,TA	49	99.8	ug/Kg
Aroclor 1221		<MDL	2.3	4.49	ug/Kg		<MDL	3.4	6.7	ug/Kg		<MDL	3.3	6.49	ug/Kg		<MDL	35	68.2	ug/Kg
Aroclor 1232		<MDL,TA	23	44.6	ug/Kg		<MDL,TA	24	47.7	ug/Kg		<MDL,TA	29	58.3	ug/Kg		<MDL,TA	110	219	ug/Kg
Aroclor 1242		<MDL,TA	31	62	ug/Kg		<MDL,TA	28	55.3	ug/Kg		<MDL,TA	43	86	ug/Kg		<MDL,TA	170	334	ug/Kg
Aroclor 1248	24		1.1	2.25	ug/Kg	17.1		1.7	3.36	ug/Kg	26.1		1.6	3.26	ug/Kg	101		17	34.2	ug/Kg
Aroclor 1254	41.2		1.1	2.25	ug/Kg	47.7		1.7	3.36	ug/Kg	84		1.6	3.26	ug/Kg	198		17	34.2	ug/Kg
Aroclor 1260	16.7		1.1	2.25	ug/Kg	35.8		1.7	3.36	ug/Kg	64.1		1.6	3.26	ug/Kg	123		17	34.2	ug/Kg
Total PCBs	81.9				ug/Kg	101				ug/Kg	174				ug/Kg	422				ug/Kg
M=OR EPA 8260B (7-3-02-003)																				
1,1,2-Trichloroethylene		<MDL	1.3	2.7	ug/Kg		<MDL	2	4.02	ug/Kg		<MDL	1.9	3.9	ug/Kg		<MDL	2	4.1	ug/Kg
Ethylbenzene		<MDL	1.3	2.7	ug/Kg		<MDL	2	4.02	ug/Kg		<MDL	1.9	3.9	ug/Kg		<MDL	2	4.1	ug/Kg
Tetrachloroethylene		<MDL	1.3	2.7	ug/Kg		<MDL	2	4.02	ug/Kg		<MDL	1.9	3.9	ug/Kg		<MDL	2	4.1	ug/Kg
Total Xylenes		<MDL	1.3	2.7	ug/Kg		<MDL	2	4.02	ug/Kg		<MDL	1.9	3.9	ug/Kg		<MDL	2	4.1	ug/Kg

*Not converted to dry weight for this parameter.

Table B-2: 2007 Sediment Chemistry Results, Post Operation Year Two Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-09					Locator: DWMP-10					Locator: DWMP-11					Locator: DWMP-12				
	Sampled: May 16, 2007					Sampled: May 16, 2007					Sampled: May 16, 2007					Sampled: May 16, 2007				
	Lab ID: L42475-9					Lab ID: L42475-10					Lab ID: L42475-11					Lab ID: L42475-12				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
M=CV ASTM D422(03-02-005-001)																				
Fines *	61.2		0.5	1	%	4.6		0.5	1	%	31.1		0.5	1	%	75.9		0.5	1	%
Clay *	14.6		0.5	1	%	2.6		0.5	1	%	10		0.5	1	%	16.5		0.5	1	%
Silt *	46.6		0.5	1	%	2		0.5	1	%	21.1		0.5	1	%	59.4		0.5	1	%
Sand *	28.5		0.1	1	%	91.7		0.1	1	%	64.6		0.1	1	%	19.6		0.1	1	%
Gravel *	2.2		0.1	1	%	1.9		0.1	1	%	2.5		0.1	1	%	0.7	<RDL	0.1	1	%
p-2.00(less than) *	1.4		0.1	1	%	1.1		0.1	1	%	1.1		0.1	1	%		<MDL	0.1	1	%
p-2.00 *	0.2	<RDL	0.1	1	%		<MDL	0.1	1	%	0.1	<RDL	0.1	1	%	0.3	<RDL	0.1	1	%
p-1.00 *	0.7	<RDL	0.1	1	%	0.7	<RDL	0.1	1	%	1.2		0.1	1	%	0.3	<RDL	0.1	1	%
p+0.00 *	1.1		0.1	1	%	1.3		0.1	1	%	1.5		0.1	1	%	0.2	<RDL	0.1	1	%
p+1.00 *	1.6		0.1	1	%	13		0.1	1	%	10.9		0.1	1	%	0.4	<RDL	0.1	1	%
p+2.00 *	4.1		0.1	1	%	51.9		0.1	1	%	30.6		0.1	1	%	1.6		0.1	1	%
p+3.00 *	8		0.1	1	%	17.3		0.1	1	%	14		0.1	1	%	6.7		0.1	1	%
p+4.00 *	13.7		0.1	1	%	8.4		0.1	1	%	7.6		0.1	1	%	10.7		0.1	1	%
p+5.00 *	28		0.5	1	%	1.3		0.5	1	%	9		0.5	1	%	28.1		0.5	1	%
p+6.00 *	6.7		0.5	1	%		<MDL	0.5	1	%	4		0.5	1	%	9.9		0.5	1	%
p+7.00 *	8		0.5	1	%	0.7	<RDL	0.5	1	%	5		0.5	1	%	14.9		0.5	1	%
p+8.00 *	4		0.5	1	%		<MDL	0.5	1	%	3		0.5	1	%	6.6		0.5	1	%
p+9.00 *	4		0.5	1	%	0.7	<RDL	0.5	1	%	4		0.5	1	%	3.3		0.5	1	%
p+10.0(equal/more than) *	10.7		0.5	1	%	2		0.5	1	%	6		0.5	1	%	13.2		0.5	1	%
M=CV SM4500-NH3-G(03-03-014-001)KCL																				
Ammonia Nitrogen	1.92		0.27	0.536	mg/Kg	4.88		0.14	0.283	mg/Kg	2.81		0.21	0.419	mg/Kg	1.68		0.32	0.649	mg/Kg
M=CV EPA 9030B (03-03-015-000)																				
Total Sulfide	26.6		1.3	5.36	mg/Kg	5.76		0.71	2.83	mg/Kg	121		10	41.9	mg/Kg	32.8		1.6	6.49	mg/Kg
M=CV EPA 9060-PSEP96(03-04-002-003)																				
Total Organic Carbon	29500		3200	6460	mg/Kg	8730		2100	4130	mg/Kg	22200		3100	6440	mg/Kg	37300		3900	7660	mg/Kg
M=CV SM2540-G (03-01-007-002)																				
Total Solids *	37.3		0.005	0.01	%	70.7		0.005	0.01	%	47.7		0.005	0.01	%	30.8		0.005	0.01	%
Total Volatile Solids	9.46		0.0134	0.0268	%	2.45		0.00707	0.0141	%	8.34		0.0105	0.021	%	11.7		0.0162	0.0325	%
M=MT EPA 7471A (06-01-004-003)																				
Mercury, Total, CVAA	0.622	E	0.056	0.558	mg/Kg	2.36	E	0.028	0.276	mg/Kg	0.4	<RDL,E	0.04	0.403	mg/Kg	0.42	<RDL,E	0.065	0.646	mg/Kg
M=MT EPA3050B/6010B MOD(6-2-04-02)																				
Antimony, Total, ICP		<MDL,G	2	10.1	mg/Kg		<MDL,G	1.1	5.28	mg/Kg		<MDL,G	1.6	7.84	mg/Kg		<MDL,G	2.4	12.1	mg/Kg
Arsenic, Total, ICP	9.4	<RDL	3.2	16.8	mg/Kg	6.2	<RDL	1.7	8.8	mg/Kg	6.5	<RDL	2.5	13.1	mg/Kg	11	<RDL	3.9	20.2	mg/Kg
Cadmium, Total, ICP	0.67	<RDL	0.27	1.34	mg/Kg	0.918		0.14	0.704	mg/Kg	0.42	<RDL	0.21	1.05	mg/Kg	0.62	<RDL	0.32	1.62	mg/Kg
Chromium, Total, ICP	47.7		0.4	2.01	mg/Kg	31		0.21	1.06	mg/Kg	28.5		0.31	1.57	mg/Kg	46.8		0.49	2.42	mg/Kg
Copper, Total, ICP	66.5		0.54	2.68	mg/Kg	94.1		0.28	1.41	mg/Kg	43		0.42	2.09	mg/Kg	59.7		0.65	3.23	mg/Kg
Lead, Total, ICP	76.9		2.7	13.4	mg/Kg	86.8		1.4	7.04	mg/Kg	42.1		2.1	10.5	mg/Kg	59.1		3.2	16.2	mg/Kg
Nickel, Total, ICP	42.1		0.67	3.35	mg/Kg	25.6		0.35	1.75	mg/Kg	26.2		0.52	2.62	mg/Kg	46.4		0.81	4.03	mg/Kg
Silver, Total, ICP	3.08		0.54	2.68	mg/Kg	4.77		0.28	1.41	mg/Kg	1.7	<RDL	0.42	2.09	mg/Kg	2.5	<RDL	0.65	3.23	mg/Kg
Zinc, Total, ICP	113		0.67	3.35	mg/Kg	111		0.35	1.75	mg/Kg	87		0.52	2.62	mg/Kg	100		0.81	4.03	mg/Kg
M=OR EPA 3550B/8270C (7-3-01-004)																				
1,2,4-Trichlorobenzene		<MDL	0.27	0.536	ug/Kg		<MDL	0.14	0.283	ug/Kg		<MDL	0.21	0.419	ug/Kg		<MDL	0.32	0.649	ug/Kg
1,2-Dichlorobenzene		<MDL	0.54	1.07	ug/Kg		<MDL	0.28	0.566	ug/Kg		<MDL	0.42	0.839	ug/Kg		<MDL	0.65	1.3	ug/Kg
1,3-Dichlorobenzene		<MDL	0.54	1.07	ug/Kg		<MDL	0.28	0.566	ug/Kg		<MDL	0.42	0.839	ug/Kg		<MDL	0.65	1.3	ug/Kg
1,4-Dichlorobenzene	9.62		0.54	1.07	ug/Kg	10.1		0.28	0.566	ug/Kg	3.73		0.42	0.839	ug/Kg		<MDL	0.65	1.3	ug/Kg
2,4-Dimethylphenol		<MDL	2.7	5.36	ug/Kg		<MDL	1.4	2.83	ug/Kg		<MDL	2.1	4.19	ug/Kg		<MDL	3.2	6.49	ug/Kg
2-Methylnaphthalene	6.7	<RDL	5.4	10.7	ug/Kg	7.38		2.8	5.66	ug/Kg	5.7	<RDL	4.2	8.39	ug/Kg	8.4	<RDL	6.5	13	ug/Kg
2-Methylphenol		<MDL	5.4	10.7	ug/Kg		<MDL	2.8	5.66	ug/Kg		<MDL	4.2	8.39	ug/Kg		<MDL	6.5	13	ug/Kg
4-Methylphenol		<MDL	11	21.4	ug/Kg		<MDL	5.7	11.3	ug/Kg		<MDL	8.4	16.8	ug/Kg		<MDL	13	26	ug/Kg
Acenaphthene	18.7		5.4	10.7	ug/Kg	27.6		2.8	5.66	ug/Kg	29.6		4.2	8.39	ug/Kg	12	<RDL	6.5	13	ug/Kg

Table B-2: 2007 Sediment Chemistry Results, Post Operation Year Two Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-09					Locator: DWMP-10					Locator: DWMP-11					Locator: DWMP-12				
	Sampled: May 16, 2007					Sampled: May 16, 2007					Sampled: May 16, 2007					Sampled: May 16, 2007				
	Lab ID: L42475-9					Lab ID: L42475-10					Lab ID: L42475-11					Lab ID: L42475-12				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Acenaphthylene	17.5		5.4	10.7	ug/Kg	14		2.8	5.66	ug/Kg	10.7		4.2	8.39	ug/Kg	15.8		6.5	13	ug/Kg
Anthracene	83.1		5.4	10.7	ug/Kg	147		2.8	5.66	ug/Kg	75.7		4.2	8.39	ug/Kg	66.2		6.5	13	ug/Kg
Benzo(a)anthracene	202		5.4	10.7	ug/Kg	386		2.8	5.66	ug/Kg	146		4.2	8.39	ug/Kg	149		6.5	13	ug/Kg
Benzo(a)pyrene	234		5.4	10.7	ug/Kg	373		2.8	5.66	ug/Kg	172		4.2	8.39	ug/Kg	190		6.5	13	ug/Kg
Benzo(b)fluoranthene	322		5.4	10.7	ug/Kg	545		2.8	5.66	ug/Kg	220		4.2	8.39	ug/Kg	217		6.5	13	ug/Kg
Benzo(g,h,i)perylene	127		5.4	10.7	ug/Kg	195		2.8	5.66	ug/Kg	88.7		4.2	8.39	ug/Kg	100		6.5	13	ug/Kg
Benzo(k)fluoranthene	155		5.4	10.7	ug/Kg	283		2.8	5.66	ug/Kg	173		4.2	8.39	ug/Kg	166		6.5	13	ug/Kg
Benzoic Acid	117		27	53.6	ug/Kg	82.2		14	28.3	ug/Kg	97.3		21	41.9	ug/Kg	159		32	64.9	ug/Kg
Benzyl Alcohol		<MDL	5.4	10.7	ug/Kg		<MDL	2.8	5.66	ug/Kg		<MDL	4.2	8.39	ug/Kg		<MDL	6.5	13	ug/Kg
Benzyl Butyl Phthalate	50.7		2.7	5.36	ug/Kg	96.2		1.4	2.83	ug/Kg		<MDL	2.1	4.19	ug/Kg	90.6		3.2	6.49	ug/Kg
Bis(2-Ethylhexyl)Phthalate	448	B	11	21.4	ug/Kg	839	B	5.7	11.3	ug/Kg	237	B	8.4	16.8	ug/Kg	584	B	13	26	ug/Kg
Carbazole	44.5		5.4	10.7	ug/Kg	102		2.8	5.66	ug/Kg	40.7		4.2	8.39	ug/Kg	36		6.5	13	ug/Kg
Chrysene	273		5.4	10.7	ug/Kg	477		2.8	5.66	ug/Kg	203		4.2	8.39	ug/Kg	231		6.5	13	ug/Kg
Coprostanol	769		110	214	ug/Kg	349		57	113	ug/Kg	612		84	168	ug/Kg	756		130	260	ug/Kg
Dibenzo(a,h)anthracene	44.8		5.4	10.7	ug/Kg	72.6		2.8	5.66	ug/Kg	32.3		4.2	8.39	ug/Kg	30		6.5	13	ug/Kg
Dibenzofuran	8.3	<RDL	5.4	10.7	ug/Kg	18.1		2.8	5.66	ug/Kg	13.4		4.2	8.39	ug/Kg	6.8	<RDL	6.5	13	ug/Kg
Diethyl Phthalate		<MDL	11	21.4	ug/Kg		<MDL	5.7	11.3	ug/Kg		<MDL	8.4	16.8	ug/Kg		<MDL	13	26	ug/Kg
Dimethyl Phthalate		<MDL	11	21.4	ug/Kg		<MDL	5.7	11.3	ug/Kg		<MDL	8.4	16.8	ug/Kg		<MDL	13	26	ug/Kg
Di-N-Butyl Phthalate	22.1		11	21.4	ug/Kg	21.4		5.7	11.3	ug/Kg	19.6		8.4	16.8	ug/Kg		<MDL	13	26	ug/Kg
Di-N-Octyl Phthalate		<MDL	11	21.4	ug/Kg		<MDL	5.7	11.3	ug/Kg		<MDL	8.4	16.8	ug/Kg		<MDL	13	26	ug/Kg
Fluoranthene	362		5.4	10.7	ug/Kg	982		2.8	5.66	ug/Kg	329		4.2	8.39	ug/Kg	254		6.5	13	ug/Kg
Fluorene	24.8		5.4	10.7	ug/Kg	44.8		2.8	5.66	ug/Kg	27.7		4.2	8.39	ug/Kg	19.1		6.5	13	ug/Kg
Hexachlorobenzene		<MDL	0.27	0.536	ug/Kg		<MDL	0.14	0.283	ug/Kg		<MDL	0.21	0.419	ug/Kg		<MDL	0.32	0.649	ug/Kg
Hexachlorobutadiene		<MDL	1.3	2.68	ug/Kg		<MDL	0.71	1.41	ug/Kg		<MDL	1	2.1	ug/Kg		<MDL	1.6	3.25	ug/Kg
Hexachloroethane		<MDL	2.7	5.36	ug/Kg		<MDL	1.4	2.83	ug/Kg		<MDL	2.1	4.19	ug/Kg		<MDL	3.2	6.49	ug/Kg
Indeno(1,2,3-Cd)Pyrene	146		5.4	10.7	ug/Kg	243		2.8	5.66	ug/Kg	106		4.2	8.39	ug/Kg	120		6.5	13	ug/Kg
Naphthalene	9.4	<RDL	5.4	10.7	ug/Kg	6.9		2.8	5.66	ug/Kg	10.2		4.2	8.39	ug/Kg	11	<RDL	6.5	13	ug/Kg
N-Nitrosodiphenylamine		<MDL	11	21.4	ug/Kg		<MDL	5.7	11.3	ug/Kg		<MDL	8.4	16.8	ug/Kg		<MDL	13	26	ug/Kg
Pentachlorophenol		<MDL	27	53.6	ug/Kg		<MDL	14	28.3	ug/Kg		<MDL	21	41.9	ug/Kg		<MDL	32	64.9	ug/Kg
Phenanthrene	184		5.4	10.7	ug/Kg	431		2.8	5.66	ug/Kg	184		4.2	8.39	ug/Kg	130		6.5	13	ug/Kg
Phenol		<MDL	11	21.4	ug/Kg	11.9		5.7	11.3	ug/Kg	14	<RDL	8.4	16.8	ug/Kg		<MDL	13	26	ug/Kg
Pyrene	383		5.4	10.7	ug/Kg	912		2.8	5.66	ug/Kg	304		4.2	8.39	ug/Kg	278		6.5	13	ug/Kg
Total HPAHS	2250		5.4	10.7	ug/Kg	4470		2.8	5.66	ug/Kg	1780		4.2	8.39	ug/Kg	1740		6.5	13	ug/Kg
Total LPAHs	343		5.4	10.7	ug/Kg	680		2.8	5.66	ug/Kg	344		4.2	8.39	ug/Kg	262		6.5	13	ug/Kg
M=OR EPA 8081A/8082 (7-3-03-002)																				
4,4'-DDD	6.84		1.8	3.57	ug/Kg	3.45		0.95	1.88	ug/Kg	3.88		1.4	2.79	ug/Kg	4.2	<RDL	2.2	4.32	ug/Kg
4,4'-DDE		<MDL	1.8	3.57	ug/Kg		<MDL	0.95	1.88	ug/Kg		<MDL	1.4	2.79	ug/Kg		<MDL	2.2	4.32	ug/Kg
4,4'-DDT		<MDL,E	1.8	3.57	ug/Kg		<MDL,E	0.95	1.88	ug/Kg		<MDL,E	1.4	2.79	ug/Kg		<MDL,E	2.2	4.32	ug/Kg
Aldrin		<MDL	1.8	3.57	ug/Kg		<MDL	0.95	1.88	ug/Kg		<MDL	1.4	2.79	ug/Kg		<MDL	2.2	4.32	ug/Kg
Alpha-BHC		<MDL	0.88	1.79	ug/Kg		<MDL	0.47	0.943	ug/Kg		<MDL	0.69	1.4	ug/Kg		<MDL	1.1	2.17	ug/Kg
Alpha-Chlordane	1.1	<RDL	0.88	1.79	ug/Kg	0.75	<RDL	0.47	0.943	ug/Kg		<MDL	0.69	1.4	ug/Kg		<MDL	1.1	2.17	ug/Kg
Beta-BHC		<MDL	0.88	1.79	ug/Kg		<MDL	0.47	0.943	ug/Kg		<MDL	0.69	1.4	ug/Kg		<MDL	1.1	2.17	ug/Kg
Delta-BHC		<MDL	0.88	1.79	ug/Kg		<MDL	0.47	0.943	ug/Kg		<MDL	0.69	1.4	ug/Kg		<MDL	1.1	2.17	ug/Kg
Dieldrin		<MDL	1.8	3.57	ug/Kg		<MDL	0.95	1.88	ug/Kg		<MDL	1.4	2.79	ug/Kg		<MDL	2.2	4.32	ug/Kg
Endosulfan I		<MDL	1.8	3.57	ug/Kg		<MDL	0.95	1.88	ug/Kg		<MDL	1.4	2.79	ug/Kg		<MDL	2.2	4.32	ug/Kg
Endosulfan II		<MDL	1.8	3.57	ug/Kg		<MDL	0.95	1.88	ug/Kg		<MDL	1.4	2.79	ug/Kg		<MDL	2.2	4.32	ug/Kg
Endosulfan Sulfate		<MDL	1.8	3.57	ug/Kg		<MDL	0.95	1.88	ug/Kg		<MDL	1.4	2.79	ug/Kg		<MDL	2.2	4.32	ug/Kg
Endrin		<MDL	1.8	3.57	ug/Kg		<MDL	0.95	1.88	ug/Kg		<MDL	1.4	2.79	ug/Kg		<MDL	2.2	4.32	ug/Kg
Endrin Aldehyde		<MDL	1.8	3.57	ug/Kg		<MDL	0.95	1.88	ug/Kg		<MDL	1.4	2.79	ug/Kg		<MDL	2.2	4.32	ug/Kg
Gamma-BHC (Lindane)		<MDL	0.88	1.79	ug/Kg		<MDL	0.47	0.943	ug/Kg		<MDL	0.69	1.4	ug/Kg		<MDL	1.1	2.17	ug/Kg
Gamma-Chlordane	5.68		0.88	1.79	ug/Kg	4.02		0.47	0.943	ug/Kg	3.29		0.69	1.4	ug/Kg		<MDL	1.1	2.17	ug/Kg

Table B-2: 2007 Sediment Chemistry Results, Post Operation Year Two Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-09 Sampled: May 16, 2007 Lab ID: L42475-9 Dry Weight Basis					Locator: DWMP-10 Sampled: May 16, 2007 Lab ID: L42475-10 Dry Weight Basis					Locator: DWMP-11 Sampled: May 16, 2007 Lab ID: L42475-11 Dry Weight Basis					Locator: DWMP-12 Sampled: May 16, 2007 Lab ID: L42475-12 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Heptachlor		<MDL	0.88	1.79	ug/Kg		<MDL	0.47	0.943	ug/Kg		<MDL	0.69	1.4	ug/Kg		<MDL	1.1	2.17	ug/Kg
Heptachlor Epoxide		<MDL	0.88	1.79	ug/Kg		<MDL	0.47	0.943	ug/Kg		<MDL	0.69	1.4	ug/Kg		<MDL	1.1	2.17	ug/Kg
Methoxychlor		<MDL,E	8.8	17.9	ug/Kg		<MDL,E	4.7	9.43	ug/Kg		<MDL,E	6.9	14	ug/Kg		<MDL,E	11	21.7	ug/Kg
Toxaphene		<MDL	18	35.7	ug/Kg		<MDL	9.5	18.8	ug/Kg		<MDL	14	27.9	ug/Kg		<MDL	22	43.2	ug/Kg
M=OR EPA 8081A/8082 (7-3-103-000)																				
Aroclor 1016		<MDL,TA	18	35.9	ug/Kg		<MDL,TA	9.8	19.4	ug/Kg		<MDL,TA	13	26.4	ug/Kg		<MDL,TA	23	46.1	ug/Kg
Aroclor 1221		<MDL	4.6	8.93	ug/Kg		<MDL	2.4	4.71	ug/Kg		<MDL	3.6	6.98	ug/Kg		<MDL	5.5	10.8	ug/Kg
Aroclor 1232		<MDL,TA	46	91.4	ug/Kg		<MDL,TA	24	48.2	ug/Kg		<MDL,TA	36	69.6	ug/Kg		<MDL,TA	58	114	ug/Kg
Aroclor 1242		<MDL,TA	70	141	ug/Kg		<MDL,TA	37	74.3	ug/Kg		<MDL,TA	50	101	ug/Kg		<MDL,TA	81	160	ug/Kg
Aroclor 1248	38.6		2.2	4.48	ug/Kg	25.2		1.2	2.36	ug/Kg	30.8		1.7	3.5	ug/Kg	52.3		2.7	5.42	ug/Kg
Aroclor 1254	121		2.2	4.48	ug/Kg	105		1.2	2.36	ug/Kg	86.6		1.7	3.5	ug/Kg	148		2.7	5.42	ug/Kg
Aroclor 1260	79.4		2.2	4.48	ug/Kg	24.9		1.2	2.36	ug/Kg	50.3		1.7	3.5	ug/Kg	80.8		2.7	5.42	ug/Kg
Total PCBs	239				ug/Kg	155				ug/Kg	168				ug/Kg	281				ug/Kg
M=OR EPA 8260B (7-3-02-003)																				
1,1,2-Trichloroethylene		<MDL	2.7	5.36	ug/Kg		<MDL	1.4	2.83	ug/Kg		<MDL	2.1	4.19	ug/Kg		<MDL	3.2	6.49	ug/Kg
Ethylbenzene		<MDL	2.7	5.36	ug/Kg		<MDL	1.4	2.83	ug/Kg		<MDL	2.1	4.19	ug/Kg		<MDL	3.2	6.49	ug/Kg
Tetrachloroethylene		<MDL	2.7	5.36	ug/Kg		<MDL	1.4	2.83	ug/Kg		<MDL	2.1	4.19	ug/Kg		<MDL	3.2	6.49	ug/Kg
Total Xylenes		<MDL	2.7	5.36	ug/Kg		<MDL	1.4	2.83	ug/Kg		<MDL	2.1	4.19	ug/Kg		<MDL	3.2	6.49	ug/Kg

*Not converted to dry weight for this parameter.

Table B-2: 2007 Sediment Chemistry Results, Post Operation Year Two Sediment Monitoring

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	Locator: DWMP-13 Sampled: May 17, 2007 Lab ID: L42475-13 Dry Weight Basis					Locator: DWMP-14 Sampled: May 16, 2007 Lab ID: L42475-14 Dry Weight Basis					Locator: DWMP-15 Sampled: May 17, 2007 Lab ID: L42475-15 Dry Weight Basis					Locator: DWMP-16 Sampled: May 17, 2007 Lab ID: L42475-16 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
M=CV ASTM D422(03-02-005-001)																				
Fines *	3.2		0.5	1	%	54.3		0.5	1	%	44.1		0.5	1	%	65.4		0.5	1	%
Clay *	1.3		0.5	1	%	12.6		0.5	1	%	13.4		0.5	1	%	29		0.5	1	%
Silt *	1.9		0.5	1	%	41.7		0.5	1	%	30.7		0.5	1	%	36.5		0.5	1	%
Sand *	67.8		0.1	1	%	35.2		0.1	1	%	36.7		0.1	1	%	21.8		0.1	1	%
Gravel *	29.5		0.1	1	%	0.6	<RDL	0.1	1	%	10.1		0.1	1	%	6.2		0.1	1	%
p-2.00(less than) *	19.6		0.1	1	%	0.1	<RDL	0.1	1	%	2.5		0.1	1	%	2.3		0.1	1	%
p-2.00 *	2.1		0.1	1	%	0.1	<RDL	0.1	1	%	1		0.1	1	%	1	<RDL	0.1	1	%
p-1.00 *	7.8		0.1	1	%	0.4	<RDL	0.1	1	%	6.6		0.1	1	%	2.8		0.1	1	%
p+0.00 *	7		0.1	1	%	0.5	<RDL	0.1	1	%	3.4		0.1	1	%	2.1		0.1	1	%
p+1.00 *	10.8		0.1	1	%	0.7	<RDL	0.1	1	%	4.3		0.1	1	%	2.1		0.1	1	%
p+2.00 *	27.2		0.1	1	%	1.8		0.1	1	%	8.6		0.1	1	%	3.9		0.1	1	%
p+3.00 *	19.1		0.1	1	%	8.1		0.1	1	%	9.2		0.1	1	%	5.5		0.1	1	%
p+4.00 *	3.8		0.1	1	%	24.1		0.1	1	%	11.2		0.1	1	%	8.2		0.1	1	%
p+5.00 *	1.9		0.5	1	%	19.4		0.5	1	%	11.5		0.5	1	%	14		0.5	1	%
p+6.00 *		<MDL	0.5	1	%	9.7		0.5	1	%	5.8		0.5	1	%	4.7		0.5	1	%
p+7.00 *		<MDL	0.5	1	%	6.8		0.5	1	%	6.7		0.5	1	%	7.5		0.5	1	%
p+8.00 *		<MDL	0.5	1	%	5.8		0.5	1	%	6.7		0.5	1	%	10.3		0.5	1	%
p+9.00 *	1.3		0.5	1	%	3.9		0.5	1	%	4.8		0.5	1	%	13.1		0.5	1	%
p+10.0(equal/more than) *		<MDL	0.5	1	%	8.7		0.5	1	%	8.6		0.5	1	%	15.9		0.5	1	%
M=CV SM4500-NH3-G(03-03-014-001)KCL																				
Ammonia Nitrogen	4.39		0.13	0.252	mg/Kg	2.53		0.2	0.396	mg/Kg	1.54		0.19	0.388	mg/Kg	1.76		0.19	0.382	mg/Kg
M=CV EPA 9030B (03-03-015-000)																				
Total Sulfide	19.9		1.3	5.04	mg/Kg	6.44		0.99	3.96	mg/Kg	9.46		0.97	3.88	mg/Kg	11.2		0.95	3.82	mg/Kg
M=CV EPA 9060-PSEP96(03-04-002-003)																				
Total Organic Carbon	3820		570	1130	mg/Kg	22600		3000	5980	mg/Kg	13300		1000	2020	mg/Kg	11600		1900	3850	mg/Kg
M=CV SM2540-G (03-01-007-002)																				
Total Solids *	79.3		0.005	0.01	%	50.5		0.005	0.01	%	51.6		0.005	0.01	%	52.4		0.005	0.01	%
Total Volatile Solids	1.58		0.00631	0.0126	%	6.83		0.0099	0.0198	%	5.29		0.00969	0.0194	%	4.9		0.00954	0.0191	%
M=MT EPA 7471A (06-01-004-003)																				
Mercury, Total, CVAA	0.067	<RDL,E	0.026	0.261	mg/Kg	0.97	E	0.04	0.388	mg/Kg	0.37	<RDL,E	0.039	0.382	mg/Kg	0.31	<RDL,E	0.036	0.365	mg/Kg
M=MT EPA3050B/6010B MOD(6-2-04-02)																				
Antimony, Total, ICP		<MDL,G	0.95	4.72	mg/Kg		<MDL,G	1.5	7.41	mg/Kg		<MDL,G	1.5	7.25	mg/Kg		<MDL,G	1.4	7.14	mg/Kg
Arsenic, Total, ICP	2.8	<RDL	1.5	7.87	mg/Kg	8.1	<RDL	2.4	12.3	mg/Kg	9.7	<RDL	2.3	12.1	mg/Kg	8.8	<RDL	2.3	11.9	mg/Kg
Cadmium, Total, ICP	0.24	<RDL	0.13	0.629	mg/Kg	0.73	<RDL	0.2	0.986	mg/Kg	0.43	<RDL	0.19	0.965	mg/Kg	0.42	<RDL	0.19	0.952	mg/Kg
Chromium, Total, ICP	18.5		0.19	0.945	mg/Kg	50.1		0.3	1.48	mg/Kg	61.6		0.29	1.45	mg/Kg	64.3		0.29	1.43	mg/Kg
Copper, Total, ICP	16.5		0.25	1.26	mg/Kg	69.9		0.4	1.97	mg/Kg	55.8		0.39	1.93	mg/Kg	56.1		0.38	1.9	mg/Kg
Lead, Total, ICP	13.7		1.3	6.29	mg/Kg	105		2	9.86	mg/Kg	49		1.9	9.65	mg/Kg	39.9		1.9	9.52	mg/Kg
Nickel, Total, ICP	22.2		0.32	1.58	mg/Kg	43.8		0.5	2.48	mg/Kg	63		0.48	2.42	mg/Kg	68.5		0.48	2.39	mg/Kg
Silver, Total, ICP	0.4	<RDL	0.25	1.26	mg/Kg	4.5		0.4	1.97	mg/Kg	1.7	<RDL	0.39	1.93	mg/Kg	1.4	<RDL	0.38	1.9	mg/Kg
Zinc, Total, ICP	165		0.32	1.58	mg/Kg	118		0.5	2.48	mg/Kg	109		0.48	2.42	mg/Kg	112		0.48	2.39	mg/Kg
M=OR EPA 3550B/8270C (7-3-01-004)																				
1,2,4-Trichlorobenzene		<MDL	0.13	0.252	ug/Kg		<MDL	0.2	0.396	ug/Kg		<MDL	0.19	0.388	ug/Kg		<MDL	0.19	0.382	ug/Kg
1,2-Dichlorobenzene		<MDL	0.25	0.504	ug/Kg		<MDL	0.4	0.792	ug/Kg		<MDL	0.39	0.775	ug/Kg		<MDL	0.38	0.763	ug/Kg
1,3-Dichlorobenzene		<MDL	0.25	0.504	ug/Kg		<MDL	0.4	0.792	ug/Kg		<MDL	0.39	0.775	ug/Kg		<MDL	0.38	0.763	ug/Kg
1,4-Dichlorobenzene		<MDL	0.25	0.504	ug/Kg		<MDL	0.4	0.792	ug/Kg		<MDL	0.39	0.775	ug/Kg	1.9		0.38	0.763	ug/Kg
2,4-Dimethylphenol		<MDL	1.3	2.52	ug/Kg		<MDL	2	3.96	ug/Kg		<MDL	1.9	3.88	ug/Kg		<MDL	1.9	3.82	ug/Kg
2-Methylnaphthalene	3	<RDL	2.5	5.04	ug/Kg	9.64		4	7.92	ug/Kg	6.2	<RDL	3.9	7.75	ug/Kg	7.77		3.8	7.63	ug/Kg
2-Methylphenol		<MDL	2.5	5.04	ug/Kg		<MDL	4	7.92	ug/Kg		<MDL	3.9	7.75	ug/Kg		<MDL	3.8	7.63	ug/Kg
4-Methylphenol		<MDL	5	10.1	ug/Kg		<MDL	7.9	15.8	ug/Kg		<MDL	7.8	15.5	ug/Kg		<MDL	7.6	15.3	ug/Kg
Acenaphthene	5.91		2.5	5.04	ug/Kg	22		4	7.92	ug/Kg	14		3.9	7.75	ug/Kg	12.6		3.8	7.63	ug/Kg

Table B-2: 2007 Sediment Chemistry Results, Post Operation Year Two Sediment Monitoring

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	Locator: DWMP-13					Locator: DWMP-14					Locator: DWMP-15					Locator: DWMP-16				
	Sampled: May 17, 2007					Sampled: May 16, 2007					Sampled: May 17, 2007					Sampled: May 17, 2007				
	Lab ID: L42475-13					Lab ID: L42475-14					Lab ID: L42475-15					Lab ID: L42475-16				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Acenaphthylene		<MDL	2.5	5.04	ug/Kg	11.9		4	7.92	ug/Kg	8.72		3.9	7.75	ug/Kg	5.7	<RDL	3.8	7.63	ug/Kg
Anthracene	37.1		2.5	5.04	ug/Kg	88.3		4	7.92	ug/Kg	58.7		3.9	7.75	ug/Kg	40.5		3.8	7.63	ug/Kg
Benzo(a)anthracene	78.7		2.5	5.04	ug/Kg	263		4	7.92	ug/Kg	175		3.9	7.75	ug/Kg	74.8		3.8	7.63	ug/Kg
Benzo(a)pyrene	103		2.5	5.04	ug/Kg	273		4	7.92	ug/Kg	196		3.9	7.75	ug/Kg	101		3.8	7.63	ug/Kg
Benzo(b)fluoranthene	89.5		2.5	5.04	ug/Kg	323		4	7.92	ug/Kg	260		3.9	7.75	ug/Kg	113		3.8	7.63	ug/Kg
Benzo(g,h,i)perylene	47.3		2.5	5.04	ug/Kg	154		4	7.92	ug/Kg	112		3.9	7.75	ug/Kg	53.4		3.8	7.63	ug/Kg
Benzo(k)fluoranthene	108		2.5	5.04	ug/Kg	261		4	7.92	ug/Kg	158		3.9	7.75	ug/Kg	80.7		3.8	7.63	ug/Kg
Benzoic Acid	117		13	25.2	ug/Kg	101		20	39.6	ug/Kg	100		19	38.8	ug/Kg	86.3		19	38.2	ug/Kg
Benzyl Alcohol		<MDL	2.5	5.04	ug/Kg		<MDL	4	7.92	ug/Kg		<MDL	3.9	7.75	ug/Kg		<MDL	3.8	7.63	ug/Kg
Benzyl Butyl Phthalate	30.6		1.3	2.52	ug/Kg	74.9		2	3.96	ug/Kg	43.8		1.9	3.88	ug/Kg	32.3		1.9	3.82	ug/Kg
Bis(2-Ethylhexyl)Phthalate	3150	B	5	10.1	ug/Kg	539	B	7.9	15.8	ug/Kg	295	B	7.8	15.5	ug/Kg	127	B	7.6	15.3	ug/Kg
Carbazole	12.9		2.5	5.04	ug/Kg	48.9		4	7.92	ug/Kg	26.9		3.9	7.75	ug/Kg	17.6		3.8	7.63	ug/Kg
Chrysene	125		2.5	5.04	ug/Kg	333		4	7.92	ug/Kg	246		3.9	7.75	ug/Kg	117		3.8	7.63	ug/Kg
Coprostanol		<MDL	50	101	ug/Kg		<MDL	79	158	ug/Kg		<MDL	78	155	ug/Kg		<MDL	76	153	ug/Kg
Dibenzo(a,h)anthracene	15.8		2.5	5.04	ug/Kg	43		4	7.92	ug/Kg	29.8		3.9	7.75	ug/Kg	18		3.8	7.63	ug/Kg
Dibenzofuran	5.22		2.5	5.04	ug/Kg	12.6		4	7.92	ug/Kg	6.8	<RDL	3.9	7.75	ug/Kg	6.1	<RDL	3.8	7.63	ug/Kg
Diethyl Phthalate		<MDL	5	10.1	ug/Kg		<MDL	7.9	15.8	ug/Kg		<MDL	7.8	15.5	ug/Kg		<MDL	7.6	15.3	ug/Kg
Dimethyl Phthalate		<MDL	5	10.1	ug/Kg		<MDL	7.9	15.8	ug/Kg		<MDL	7.8	15.5	ug/Kg		<MDL	7.6	15.3	ug/Kg
Di-N-Butyl Phthalate		<MDL	5	10.1	ug/Kg	75.6		7.9	15.8	ug/Kg	36.4		7.8	15.5	ug/Kg	16.9		7.6	15.3	ug/Kg
Di-N-Octyl Phthalate		<MDL	5	10.1	ug/Kg		<MDL	7.9	15.8	ug/Kg		<MDL	7.8	15.5	ug/Kg		<MDL	7.6	15.3	ug/Kg
Fluoranthene	233		2.5	5.04	ug/Kg	503		4	7.92	ug/Kg	302		3.9	7.75	ug/Kg	163		3.8	7.63	ug/Kg
Fluorene	11.3		2.5	5.04	ug/Kg	28.3		4	7.92	ug/Kg	18.6		3.9	7.75	ug/Kg	13.5		3.8	7.63	ug/Kg
Hexachlorobenzene		<MDL	0.13	0.252	ug/Kg		<MDL	0.2	0.396	ug/Kg		<MDL	0.19	0.388	ug/Kg		<MDL	0.19	0.382	ug/Kg
Hexachlorobutadiene		<MDL	0.63	1.26	ug/Kg		<MDL	0.99	1.98	ug/Kg		<MDL	0.97	1.94	ug/Kg		<MDL	0.95	1.91	ug/Kg
Hexachloroethane		<MDL	1.3	2.52	ug/Kg		<MDL	2	3.96	ug/Kg		<MDL	1.9	3.88	ug/Kg		<MDL	1.9	3.82	ug/Kg
Indeno(1,2,3-Cd)Pyrene	50.3		2.5	5.04	ug/Kg	169		4	7.92	ug/Kg	124		3.9	7.75	ug/Kg	62.6		3.8	7.63	ug/Kg
Naphthalene	2.6	<RDL	2.5	5.04	ug/Kg	12.1		4	7.92	ug/Kg	7.91		3.9	7.75	ug/Kg	8.65		3.8	7.63	ug/Kg
N-Nitrosodiphenylamine		<MDL	5	10.1	ug/Kg		<MDL	7.9	15.8	ug/Kg		<MDL	7.8	15.5	ug/Kg		<MDL	7.6	15.3	ug/Kg
Pentachlorophenol		<MDL	13	25.2	ug/Kg		<MDL	20	39.6	ug/Kg		<MDL	19	38.8	ug/Kg		<MDL	19	38.2	ug/Kg
Phenanthrene	89.2		2.5	5.04	ug/Kg	226		4	7.92	ug/Kg	137		3.9	7.75	ug/Kg	89.5		3.8	7.63	ug/Kg
Phenol	13.9		5	10.1	ug/Kg		<MDL	7.9	15.8	ug/Kg		<MDL	7.8	15.5	ug/Kg		<MDL	7.6	15.3	ug/Kg
Pyrene	216		2.5	5.04	ug/Kg	537		4	7.92	ug/Kg	316		3.9	7.75	ug/Kg	166		3.8	7.63	ug/Kg
Total HPAHS	1070		2.5	5.04	ug/Kg	2850		4	7.92	ug/Kg	1920		3.9	7.75	ug/Kg	948		3.8	7.63	ug/Kg
Total LPAHs	149		2.5	5.04	ug/Kg	398		4	7.92	ug/Kg	252		3.9	7.75	ug/Kg	178		3.8	7.63	ug/Kg
M=OR EPA 8081A/8082 (7-3-03-002)																				
4,4'-DDD	0.91	<RDL	0.84	1.68	ug/Kg	11.4		1.3	2.63	ug/Kg	3.88		1.3	2.58	ug/Kg	1.8	<RDL	1.3	2.54	ug/Kg
4,4'-DDE		<MDL	0.84	1.68	ug/Kg		<MDL	1.3	2.63	ug/Kg		<MDL	1.3	2.58	ug/Kg		<MDL	1.3	2.54	ug/Kg
4,4'-DDT		<MDL,E	0.84	1.68	ug/Kg		<MDL,E	1.3	2.63	ug/Kg		<MDL,E	1.3	2.58	ug/Kg		<MDL,E	1.3	2.54	ug/Kg
Aldrin		<MDL	0.84	1.68	ug/Kg		<MDL	1.3	2.63	ug/Kg		<MDL	1.3	2.58	ug/Kg		<MDL	1.3	2.54	ug/Kg
Alpha-BHC		<MDL	0.42	0.841	ug/Kg		<MDL	0.65	1.32	ug/Kg		<MDL	0.64	1.29	ug/Kg		<MDL	0.63	1.27	ug/Kg
Alpha-Chlordane		<MDL	0.42	0.841	ug/Kg	1.39		0.65	1.32	ug/Kg		<MDL	0.64	1.29	ug/Kg		<MDL	0.63	1.27	ug/Kg
Beta-BHC		<MDL	0.42	0.841	ug/Kg		<MDL	0.65	1.32	ug/Kg		<MDL	0.64	1.29	ug/Kg		<MDL	0.63	1.27	ug/Kg
Delta-BHC		<MDL	0.42	0.841	ug/Kg		<MDL	0.65	1.32	ug/Kg		<MDL	0.64	1.29	ug/Kg		<MDL	0.63	1.27	ug/Kg
Dieldrin		<MDL	0.84	1.68	ug/Kg		<MDL	1.3	2.63	ug/Kg		<MDL	1.3	2.58	ug/Kg		<MDL	1.3	2.54	ug/Kg
Endosulfan I		<MDL	0.84	1.68	ug/Kg		<MDL	1.3	2.63	ug/Kg		<MDL	1.3	2.58	ug/Kg		<MDL	1.3	2.54	ug/Kg
Endosulfan II		<MDL	0.84	1.68	ug/Kg		<MDL	1.3	2.63	ug/Kg		<MDL	1.3	2.58	ug/Kg		<MDL	1.3	2.54	ug/Kg
Endosulfan Sulfate		<MDL	0.84	1.68	ug/Kg		<MDL	1.3	2.63	ug/Kg		<MDL	1.3	2.58	ug/Kg		<MDL	1.3	2.54	ug/Kg
Endrin		<MDL	0.84	1.68	ug/Kg		<MDL	1.3	2.63	ug/Kg		<MDL	1.3	2.58	ug/Kg		<MDL	1.3	2.54	ug/Kg
Endrin Aldehyde		<MDL	0.84	1.68	ug/Kg		<MDL	1.3	2.63	ug/Kg		<MDL	1.3	2.58	ug/Kg		<MDL	1.3	2.54	ug/Kg
Gamma-BHC (Lindane)		<MDL	0.42	0.841	ug/Kg		<MDL	0.65	1.32	ug/Kg		<MDL	0.64	1.29	ug/Kg		<MDL	0.63	1.27	ug/Kg
Gamma-Chlordane	0.89		0.42	0.841	ug/Kg		<MDL	0.65	1.32	ug/Kg	3.91		0.64	1.29	ug/Kg		<MDL	0.63	1.27	ug/Kg

Table B-2: 2007 Sediment Chemistry Results, Post Operation Year Two Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-13 Sampled: May 17, 2007 Lab ID: L42475-13 Dry Weight Basis					Locator: DWMP-14 Sampled: May 16, 2007 Lab ID: L42475-14 Dry Weight Basis					Locator: DWMP-15 Sampled: May 17, 2007 Lab ID: L42475-15 Dry Weight Basis					Locator: DWMP-16 Sampled: May 17, 2007 Lab ID: L42475-16 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Heptachlor		<MDL	0.42	0.841	ug/Kg		<MDL	0.65	1.32	ug/Kg		<MDL	0.64	1.29	ug/Kg		<MDL	0.63	1.27	ug/Kg
Heptachlor Epoxide		<MDL	0.42	0.841	ug/Kg		<MDL	0.65	1.32	ug/Kg		<MDL	0.64	1.29	ug/Kg		<MDL	0.63	1.27	ug/Kg
Methoxychlor		<MDL,E	4.2	8.41	ug/Kg		<MDL,E	6.5	13.2	ug/Kg		<MDL,E	6.4	12.9	ug/Kg		<MDL,E	6.3	12.7	ug/Kg
Toxaphene		<MDL	8.4	16.8	ug/Kg		<MDL	13	26.3	ug/Kg		<MDL	13	25.8	ug/Kg		<MDL	13	25.4	ug/Kg
M=OR EPA 8081A/8082 (7-3-103-000)																				
Aroclor 1016		<MDL,TA	2.3	4.63	ug/Kg		<MDL,TA	38	75.6	ug/Kg		<MDL,TA	16	32.8	ug/Kg		<MDL,TA	9	18.1	ug/Kg
Aroclor 1221		<MDL	2.1	4.2	ug/Kg		<MDL	3.4	6.59	ug/Kg		<MDL	3.3	6.45	ug/Kg		<MDL	3.2	6.35	ug/Kg
Aroclor 1232		<MDL	2.1	4.2	ug/Kg		<MDL,TA	85	171	ug/Kg		<MDL,TA	33	66.9	ug/Kg		<MDL,TA	25	51	ug/Kg
Aroclor 1242		<MDL,TA	12	23.8	ug/Kg		<MDL,TA	140	275	ug/Kg		<MDL,TA	48	98.4	ug/Kg		<MDL,TA	36	73.9	ug/Kg
Aroclor 1248	6.96		1	2.11	ug/Kg	78		1.6	3.31	ug/Kg	32.2		1.6	3.24	ug/Kg	21		1.6	3.19	ug/Kg
Aroclor 1254	16.1		1	2.11	ug/Kg	196	TA	1.6	3.31	ug/Kg	104		1.6	3.24	ug/Kg	59.9		1.6	3.19	ug/Kg
Aroclor 1260	6.87		1	2.11	ug/Kg	125		1.6	3.31	ug/Kg	73.1		1.6	3.24	ug/Kg	41.6		1.6	3.19	ug/Kg
Total PCBs	29.9				ug/Kg	399				ug/Kg	209				ug/Kg	123				ug/Kg
M=OR EPA 8260B (7-3-02-003)																				
1,1,2-Trichloroethylene		<MDL	1.3	2.52	ug/Kg		<MDL	2	3.96	ug/Kg		<MDL	1.9	3.88	ug/Kg		<MDL	1.9	3.82	ug/Kg
Ethylbenzene		<MDL	1.3	2.52	ug/Kg		<MDL	2	3.96	ug/Kg		<MDL	1.9	3.88	ug/Kg		<MDL	1.9	3.82	ug/Kg
Tetrachloroethylene		<MDL	1.3	2.52	ug/Kg		<MDL	2	3.96	ug/Kg		<MDL	1.9	3.88	ug/Kg		<MDL	1.9	3.82	ug/Kg
Total Xylenes		<MDL	1.3	2.52	ug/Kg		<MDL	2	3.96	ug/Kg		<MDL	1.9	3.88	ug/Kg		<MDL	1.9	3.82	ug/Kg

*Not converted to dry weight for this parameter.

Table B-3. 2008 Sediment Chemistry Results, Post Operation Year Three Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-01					Locator: DWMP-02					Locator: DWMP-03					Locator: DWMP-04				
	Sampled: 04/01/08 10:48:00 AM					Sampled: 03/31/08 12:30:00 PM					Sampled: 03/31/08 10:20:00 AM					Sampled: 04/02/08 9:05:00 AM				
	Lab ID: L45313-1					Lab ID: L45313-2					Lab ID: L45313-3					Lab ID: L45313-4				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
M=CV ASTM D422(318V1)																				
Clay *	15.6		0.97	1.94	%	8.2		0.75	1.49	%	14.9		1.1	2.13	%	16.7		0.83	1.67	%
Dry Weight Factor	4.03					2.3					4.67					2.84				
Fines *	61.2		0.97	1.94	%	24.6		0.75	1.49	%	59.7		1.1	2.13	%	46.7		0.83	1.67	%
Gravel *	4	E	0.19	1.94	%	7.5	E	0.15	1.49	%	3.2	E	0.21	2.13	%	24.1	E	0.17	1.67	%
p+0.00 *	0.7	<RDL	0.19	1.94	%	4.2		0.15	1.49	%	0.9	<RDL	0.21	2.13	%	3.9		0.17	1.67	%
p+1.00 *	0.8	<RDL	0.19	1.94	%	8.3		0.15	1.49	%	2.2		0.21	2.13	%	4.8		0.17	1.67	%
p+10.0(equal/more than) *	10.7		0.97	1.94	%	5.2		0.75	1.49	%	10.7		1.1	2.13	%	10		0.83	1.67	%
p+2.00 *	1.9		0.19	1.94	%	18.6		0.15	1.49	%	7.5		0.21	2.13	%	8.3		0.17	1.67	%
p+3.00 *	7.6		0.19	1.94	%	15.7		0.15	1.49	%	9.7		0.21	2.13	%	6.2		0.17	1.67	%
p+4.00 *	15.8		0.19	1.94	%	12.9		0.15	1.49	%	11.7		0.21	2.13	%	6.6		0.17	1.67	%
p+5.00 *	10.7		0.97	1.94	%	7.5		0.75	1.49	%	6.4		1.1	2.13	%	5.8		0.83	1.67	%
p+6.00 *	17.5		0.97	1.94	%	2.2		0.75	1.49	%	19.2		1.1	2.13	%	10.8		0.83	1.67	%
p+7.00 *	9.7		0.97	1.94	%	3.7		0.75	1.49	%	11.7		1.1	2.13	%	7.5		0.83	1.67	%
p+8.00 *	7.8		0.97	1.94	%	3		0.75	1.49	%	7.5		1.1	2.13	%	5.8		0.83	1.67	%
p+9.00 *	4.9		0.97	1.94	%	3		0.75	1.49	%	4.3		1.1	2.13	%	6.7		0.83	1.67	%
p-1.00 *	0.8	<RDL	0.19	1.94	%	3.9		0.15	1.49	%	0.7	<RDL	0.21	2.13	%	5.5		0.17	1.67	%
p-2.00 *	0.2	<RDL	0.19	1.94	%	1.5		0.15	1.49	%	0.9	<RDL	0.21	2.13	%	1.5		0.17	1.67	%
p-2.00(less than) *	2.9		0.19	1.94	%	2.1		0.15	1.49	%	1.6		0.21	2.13	%	17.1		0.17	1.67	%
Sand *	26.7		0.19	1.94	%	59.7		0.15	1.49	%	32		0.21	2.13	%	29.8		0.17	1.67	%
Silt *	45.7		0.97	1.94	%	16.4		0.75	1.49	%	44.8		1.1	2.13	%	30		0.83	1.67	%
M=CV EPA 9030B/SM4500-S2-D (330V0)																				
Total Sulfide	356	G	27	104	mg/Kg	2.9	<RDL,G	0.77	3.08	mg/Kg	86.4	G	11	43.9	mg/Kg	5.21	G	0.85	3.4	mg/Kg
M=CV EPA 9060-PSEP96(337V3)																				
Total Organic Carbon	33700		2500	4970	mg/Kg	13900		2800	5670	mg/Kg	23000		2600	5260	mg/Kg	11600		2400	4750	mg/Kg
M=CV SM2540-G (307V2)																				
Total Volatile Solids	9.77		0.01	0.0208	%	3.81		0.0077	0.0154	%	7.26		0.011	0.0219	%	4.52		0.0085	0.017	%
M=CV SM2540-G (307V3)																				
Total Solids *	48.1		0.005	0.01	%	64.9		0.005	0.01	%	45.6		0.005	0.01	%	58.9		0.005	0.01	%
M=CV SM4500-NH3-G(332V1)KCL																				
Ammonia Nitrogen	4.32		0.2	0.407	mg/Kg	1.49		0.15	0.302	mg/Kg	2.5		0.21	0.417	mg/Kg	1.57		0.17	0.34	mg/Kg
M=MT CVAA EPA 7471B (604V4)																				
Mercury, Total, CVAA	1.16	E	0.052	0.509	mg/Kg	0.2	E	0.0074	0.0737	mg/Kg	0.57	E	0.011	0.109	mg/Kg	0.27	E	0.0081	0.0813	mg/Kg
M=MT ICP EPA3050B/6010C MOD(612V3)																				
Antimony, Total, ICP		<MDL,G	1.5	7.59	mg/Kg		<MDL,G	1.1	5.7	mg/Kg		<MDL,G	1.6	7.87	mg/Kg		<MDL,G	1.3	6.28	mg/Kg
Arsenic, Total, ICP	13.3		2.5	12.7	mg/Kg	6.3	<RDL	1.8	9.51	mg/Kg	9.6	<RDL	2.6	13.1	mg/Kg	8	<RDL	2	10.5	mg/Kg
Cadmium, Total, ICP	1.23		0.2	1.01	mg/Kg	0.26	<RDL	0.15	0.761	mg/Kg	0.83	<RDL	0.21	1.05	mg/Kg	0.29	<RDL	0.17	0.837	mg/Kg
Chromium, Total, ICP	55.1		0.31	1.52	mg/Kg	35.4		0.23	1.14	mg/Kg	49.1		0.31	1.57	mg/Kg	54.3		0.25	1.26	mg/Kg
Copper, Total, ICP	87.9		0.4	2.02	mg/Kg	37		0.31	1.52	mg/Kg	56.8		0.42	2.1	mg/Kg	49.1		0.34	1.68	mg/Kg
Lead, Total, ICP	148		2	10.1	mg/Kg	60.4		1.5	7.61	mg/Kg	81.4		2.1	10.5	mg/Kg	41.3		1.7	8.37	mg/Kg
Nickel, Total, ICP	46.2		0.5	2.54	mg/Kg	37.1		0.39	1.9	mg/Kg	48.5		0.53	2.63	mg/Kg	57.4		0.42	2.09	mg/Kg
Silver, Total, ICP	4.93		0.4	2.02	mg/Kg	1.1	<RDL	0.31	1.52	mg/Kg	2.54		0.42	2.1	mg/Kg	0.87	<RDL	0.34	1.68	mg/Kg
Zinc, Total, ICP	161		0.5	2.54	mg/Kg	82		0.39	1.9	mg/Kg	113		0.53	2.63	mg/Kg	96.6		0.42	2.09	mg/Kg
M=OR EPA 3550B/8270C (7-3-01-004)																				
1,2,4-Trichlorobenzene		<MDL	0.21	0.416	ug/Kg		<MDL	0.15	0.308	ug/Kg		<MDL	0.22	0.439	ug/Kg		<MDL	0.17	0.34	ug/Kg
1,2-Dichlorobenzene	0.56	<RDL	0.42	0.832	ug/Kg		<MDL	0.31	0.616	ug/Kg		<MDL	0.44	0.877	ug/Kg		<MDL	0.34	0.679	ug/Kg
1,3-Dichlorobenzene		<MDL	0.42	0.832	ug/Kg		<MDL	0.31	0.616	ug/Kg		<MDL	0.44	0.877	ug/Kg		<MDL	0.34	0.679	ug/Kg
1,4-Dichlorobenzene	3.12		0.42	0.832	ug/Kg	1.54		0.31	0.616	ug/Kg	2.24		0.44	0.877	ug/Kg		<MDL	0.34	0.679	ug/Kg
2,4-Dimethylphenol		<MDL	2.1	4.16	ug/Kg		<MDL	1.5	3.08	ug/Kg		<MDL	2.2	4.39	ug/Kg		<MDL	1.7	3.4	ug/Kg
2-Methylnaphthalene	32.8		4.2	8.32	ug/Kg	130		3.1	6.16	ug/Kg	38.4		4.4	8.77	ug/Kg	9.98		3.4	6.79	ug/Kg
2-Methylphenol		<MDL	4.2	8.32	ug/Kg		<MDL	3.1	6.16	ug/Kg		<MDL	4.4	8.77	ug/Kg		<MDL	3.4	6.79	ug/Kg

Table B-3. 2008 Sediment Chemistry Results, Post Operation Year Three Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-01					Locator: DWMP-02					Locator: DWMP-03					Locator: DWMP-04				
	Sampled: 04/01/08 10:48:00 AM					Sampled: 03/31/08 12:30:00 PM					Sampled: 03/31/08 10:20:00 AM					Sampled: 04/02/08 9:05:00 AM				
	Lab ID: L45313-1					Lab ID: L45313-2					Lab ID: L45313-3					Lab ID: L45313-4				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
4-Methylphenol	18.4		8.3	16.6	ug/Kg	19.9		6.2	12.3	ug/Kg		<MDL	8.8	17.5	ug/Kg		<MDL	6.8	13.6	ug/Kg
Acenaphthene	52		4.2	8.32	ug/Kg	438		3.1	6.16	ug/Kg	65.1		4.4	8.77	ug/Kg	10.2		3.4	6.79	ug/Kg
Acenaphthylene	97.5		4.2	8.32	ug/Kg	22.2		3.1	6.16	ug/Kg	22.4		4.4	8.77	ug/Kg	6.89		3.4	6.79	ug/Kg
Anthracene	441		4.2	8.32	ug/Kg	678		3.1	6.16	ug/Kg	201		4.4	8.77	ug/Kg	41.9		3.4	6.79	ug/Kg
Benzo(a)anthracene	933		4.2	8.32	ug/Kg	886		3.1	6.16	ug/Kg	300		4.4	8.77	ug/Kg	114		3.4	6.79	ug/Kg
Benzo(a)pyrene	1670		4.2	8.32	ug/Kg	737		3.1	6.16	ug/Kg	351		4.4	8.77	ug/Kg	139		3.4	6.79	ug/Kg
Benzo(b)fluoranthene	1830		4.2	8.32	ug/Kg	700		3.1	6.16	ug/Kg	333		4.4	8.77	ug/Kg	141		3.4	6.79	ug/Kg
Benzo(g,h,i)perylene	786		4.2	8.32	ug/Kg	398		3.1	6.16	ug/Kg	191		4.4	8.77	ug/Kg	66.9		3.4	6.79	ug/Kg
Benzo(k)fluoranthene	1720		4.2	8.32	ug/Kg	493		3.1	6.16	ug/Kg	342		4.4	8.77	ug/Kg	133		3.4	6.79	ug/Kg
Benzoic Acid	181		21	41.6	ug/Kg	138		15	30.8	ug/Kg	192		22	43.9	ug/Kg	117		17	34	ug/Kg
Benzyl Alcohol		<MDL	4.2	8.32	ug/Kg		<MDL	3.1	6.16	ug/Kg		<MDL	4.4	8.77	ug/Kg		<MDL	3.4	6.79	ug/Kg
Benzyl Butyl Phthalate	118	B	2.1	4.16	ug/Kg	43.6	B	1.5	3.08	ug/Kg	44.3	B	2.2	4.39	ug/Kg	18.3	B	1.7	3.4	ug/Kg
Bis(2-Ethylhexyl)Phthalate	1340	B,E	8.3	16.6	ug/Kg	302	B,E	6.2	12.3	ug/Kg	656	B,E	8.8	17.5	ug/Kg	121	B,E	6.8	13.6	ug/Kg
Caffeine		<MDL	8.3	16.6	ug/Kg		<MDL	6.2	12.3	ug/Kg		<MDL	8.8	17.5	ug/Kg		<MDL	6.8	13.6	ug/Kg
Carbazole	145		4.2	8.32	ug/Kg	214		3.1	6.16	ug/Kg	52.4		4.4	8.77	ug/Kg	14.2		3.4	6.79	ug/Kg
Chrysene	1500		4.2	8.32	ug/Kg	901		3.1	6.16	ug/Kg	390		4.4	8.77	ug/Kg	155		3.4	6.79	ug/Kg
Coprostanol		<MDL	83	166	ug/Kg		<MDL	62	123	ug/Kg		<MDL	88	175	ug/Kg		<MDL	68	136	ug/Kg
Dibenzo(a,h)anthracene	393		4.2	8.32	ug/Kg	111		3.1	6.16	ug/Kg	77.2		4.4	8.77	ug/Kg	25		3.4	6.79	ug/Kg
Dibenzofuran	29.5		4.2	8.32	ug/Kg	98.8		3.1	6.16	ug/Kg	20.2		4.4	8.77	ug/Kg	5.3	<RDL	3.4	6.79	ug/Kg
Diethyl Phthalate		<MDL	8.3	16.6	ug/Kg		<MDL	6.2	12.3	ug/Kg		<MDL	8.8	17.5	ug/Kg		<MDL	6.8	13.6	ug/Kg
Dimethyl Phthalate	18.2		8.3	16.6	ug/Kg		<MDL	6.2	12.3	ug/Kg		<MDL	8.8	17.5	ug/Kg		<MDL	6.8	13.6	ug/Kg
Di-N-Butyl Phthalate	44.1	B	8.3	16.6	ug/Kg	46.1	B	6.2	12.3	ug/Kg	26.3	B	8.8	17.5	ug/Kg	14	B	6.8	13.6	ug/Kg
Di-N-Octyl Phthalate		<MDL	8.3	16.6	ug/Kg		<MDL	6.2	12.3	ug/Kg		<MDL	8.8	17.5	ug/Kg		<MDL	6.8	13.6	ug/Kg
Fluoranthene	1200		4.2	8.32	ug/Kg	2110		3.1	6.16	ug/Kg	575		4.4	8.77	ug/Kg	187		3.4	6.79	ug/Kg
Fluorene	83.8		4.2	8.32	ug/Kg	339		3.1	6.16	ug/Kg	74.8		4.4	8.77	ug/Kg	13.8		3.4	6.79	ug/Kg
Hexachlorobenzene	2.56		0.21	0.416	ug/Kg		<MDL	0.15	0.308	ug/Kg		<MDL	0.22	0.439	ug/Kg		<MDL	0.17	0.34	ug/Kg
Hexachlorobutadiene		<MDL	1	2.08	ug/Kg		<MDL	0.77	1.54	ug/Kg		<MDL	1.1	2.19	ug/Kg		<MDL	0.85	1.7	ug/Kg
Hexachloroethane		<MDL	2.1	4.16	ug/Kg		<MDL	1.5	3.08	ug/Kg		<MDL	2.2	4.39	ug/Kg		<MDL	1.7	3.4	ug/Kg
Indeno(1,2,3-Cd)Pyrene	915		4.2	8.32	ug/Kg	362		3.1	6.16	ug/Kg	184		4.4	8.77	ug/Kg	73.7		3.4	6.79	ug/Kg
Naphthalene	41		4.2	8.32	ug/Kg	96.9		3.1	6.16	ug/Kg	41.9		4.4	8.77	ug/Kg	5.8	<RDL	3.4	6.79	ug/Kg
N-Nitrosodiphenylamine		<MDL	8.3	16.6	ug/Kg	28.7		6.2	12.3	ug/Kg		<MDL	8.8	17.5	ug/Kg		<MDL	6.8	13.6	ug/Kg
Pentachlorophenol		<MDL	21	41.6	ug/Kg		<MDL	15	30.8	ug/Kg		<MDL	22	43.9	ug/Kg		<MDL	17	34	ug/Kg
Phenanthrene	649		4.2	8.32	ug/Kg	2710		3.1	6.16	ug/Kg	535		4.4	8.77	ug/Kg	120		3.4	6.79	ug/Kg
Phenol	43.9		8.3	16.6	ug/Kg	435		6.2	12.3	ug/Kg	200		8.8	17.5	ug/Kg		<MDL	6.8	13.6	ug/Kg
Pyrene	2540	E	4.2	8.32	ug/Kg	2200	E	3.1	6.16	ug/Kg	708	E	4.4	8.77	ug/Kg	205	E	3.4	6.79	ug/Kg
Total HPAHS	13500	E	4.2	8.32	ug/Kg	8120	E	3.1	6.16	ug/Kg	3440	E	4.4	8.77	ug/Kg	1240	E	3.4	6.79	ug/Kg
Total LPAHs	1400		4.2	8.32	ug/Kg	3570		3.1	6.16	ug/Kg	978		4.4	8.77	ug/Kg	209		3.4	6.79	ug/Kg
M=OR EPA 8081A/8082 (7-3-03-002)																				
4,4'-DDD		<MDL	2.1	4.16	ug/Kg	3.37		1.5	3.08	ug/Kg		<MDL	2.2	4.39	ug/Kg	2.4	<RDL	1.7	3.4	ug/Kg
4,4'-DDE		<MDL	2.1	4.16	ug/Kg		<MDL	1.5	3.08	ug/Kg		<MDL	2.2	4.39	ug/Kg		<MDL	1.7	3.4	ug/Kg
4,4'-DDT		<MDL	2.1	4.16	ug/Kg		<MDL	1.5	3.08	ug/Kg		<MDL	2.2	4.39	ug/Kg		<MDL	1.7	3.4	ug/Kg
Aldrin		<MDL	2.1	4.16	ug/Kg		<MDL	1.5	3.08	ug/Kg		<MDL	2.2	4.39	ug/Kg		<MDL	1.7	3.4	ug/Kg
Alpha-BHC		<MDL	1	2.08	ug/Kg		<MDL	0.77	1.54	ug/Kg		<MDL	1.1	2.19	ug/Kg		<MDL	0.85	1.7	ug/Kg
Alpha-Chlordane		<MDL	1	2.08	ug/Kg		<MDL	0.77	1.54	ug/Kg	1.5	<RDL	1.1	2.19	ug/Kg		<MDL	0.85	1.7	ug/Kg
Beta-BHC		<MDL	1	2.08	ug/Kg		<MDL	0.77	1.54	ug/Kg		<MDL	1.1	2.19	ug/Kg		<MDL	0.85	1.7	ug/Kg
Delta-BHC		<MDL	1	2.08	ug/Kg		<MDL	0.77	1.54	ug/Kg		<MDL	1.1	2.19	ug/Kg		<MDL	0.85	1.7	ug/Kg
Dieldrin		<MDL	2.1	4.16	ug/Kg		<MDL	1.5	3.08	ug/Kg		<MDL	2.2	4.39	ug/Kg		<MDL	1.7	3.4	ug/Kg
Endosulfan I		<MDL	2.1	4.16	ug/Kg		<MDL	1.5	3.08	ug/Kg		<MDL	2.2	4.39	ug/Kg		<MDL	1.7	3.4	ug/Kg
Endosulfan II		<MDL	2.1	4.16	ug/Kg		<MDL	1.5	3.08	ug/Kg		<MDL	2.2	4.39	ug/Kg		<MDL	1.7	3.4	ug/Kg
Endosulfan Sulfate		<MDL	2.1	4.16	ug/Kg		<MDL	1.5	3.08	ug/Kg		<MDL	2.2	4.39	ug/Kg		<MDL	1.7	3.4	ug/Kg
Endrin		<MDL	2.1	4.16	ug/Kg		<MDL	1.5	3.08	ug/Kg		<MDL	2.2	4.39	ug/Kg		<MDL	1.7	3.4	ug/Kg

Table B-3. 2008 Sediment Chemistry Results, Post Operation Year Three Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-01 Sampled: 04/01/08 10:48:00 AM Lab ID: L45313-1 Dry Weight Basis					Locator: DWMP-02 Sampled: 03/31/08 12:30:00 PM Lab ID: L45313-2 Dry Weight Basis					Locator: DWMP-03 Sampled: 03/31/08 10:20:00 AM Lab ID: L45313-3 Dry Weight Basis					Locator: DWMP-04 Sampled: 04/02/08 9:05:00 AM Lab ID: L45313-4 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Endrin Aldehyde		<MDL,E	2.1	4.16	ug/Kg		<MDL,E	1.5	3.08	ug/Kg		<MDL,E	2.2	4.39	ug/Kg		<MDL,E	1.7	3.4	ug/Kg
Gamma-BHC (Lindane)		<MDL	1	2.08	ug/Kg		<MDL	0.77	1.54	ug/Kg		<MDL	1.1	2.19	ug/Kg		<MDL	0.85	1.7	ug/Kg
Gamma-Chlordane		<MDL	1	2.08	ug/Kg		<MDL	0.77	1.54	ug/Kg	2	<RDL	1.1	2.19	ug/Kg		<MDL	0.85	1.7	ug/Kg
Heptachlor		<MDL	1	2.08	ug/Kg		<MDL	0.77	1.54	ug/Kg		<MDL	1.1	2.19	ug/Kg		<MDL	0.85	1.7	ug/Kg
Heptachlor Epoxide		<MDL	1	2.08	ug/Kg		<MDL	0.77	1.54	ug/Kg		<MDL	1.1	2.19	ug/Kg		<MDL	0.85	1.7	ug/Kg
Methoxychlor		<MDL	10	20.8	ug/Kg		<MDL	7.7	15.4	ug/Kg		<MDL	11	21.9	ug/Kg		<MDL	8.5	17	ug/Kg
Toxaphene		<MDL	21	41.6	ug/Kg		<MDL	15	30.8	ug/Kg		<MDL	22	43.9	ug/Kg		<MDL	17	34	ug/Kg
M=OR EPA 8081A/8082 (7-3-103-000)																				
Aroclor 1016		<MDL,TA	69	138	ug/Kg		<MDL,TA	7.1	14.2	ug/Kg		<MDL,TA	46	91.9	ug/Kg		<MDL,TA	6.1	12.1	ug/Kg
Aroclor 1221		<MDL	4.2	8.32	ug/Kg		<MDL	3.1	6.16	ug/Kg		<MDL,TA	9.6	19.1	ug/Kg		<MDL	3.4	6.79	ug/Kg
Aroclor 1232		<MDL,TA	110	225	ug/Kg		<MDL	3.1	6.16	ug/Kg		<MDL,TA	86	172	ug/Kg		<MDL,TA	14	27.5	ug/Kg
Aroclor 1242		<MDL,TA	160	320	ug/Kg		<MDL,TA	12	23.6	ug/Kg		<MDL,TA	100	204	ug/Kg		<MDL,TA	16	32.3	ug/Kg
Aroclor 1248	150		2.1	4.16	ug/Kg	13.2		1.5	3.08	ug/Kg	107		2.2	4.39	ug/Kg	12.3		1.7	3.4	ug/Kg
Aroclor 1254	308		2.1	4.16	ug/Kg	45.1		1.5	3.08	ug/Kg	232		2.2	4.39	ug/Kg	41.6		1.7	3.4	ug/Kg
Aroclor 1260	188		2.1	4.16	ug/Kg	41.4		1.5	3.08	ug/Kg	168		2.2	4.39	ug/Kg	41.9		1.7	3.4	ug/Kg
Total Aroclors	647		2.1	4.16	ug/Kg	99.7		1.5	3.08	ug/Kg	507		2.2	4.39	ug/Kg	95.9		1.7	3.4	ug/Kg
M=OR EPA 8260B (7-3-02-003)																				
1,1,2-Trichloroethylene		<MDL	2.1	4.16	ug/Kg		<MDL,H	1.5	3.08	ug/Kg		<MDL,H	2.2	4.39	ug/Kg		<MDL	1.7	3.4	ug/Kg
Ethylbenzene		<MDL	2.1	4.16	ug/Kg		<MDL,H	1.5	3.08	ug/Kg		<MDL,H	2.2	4.39	ug/Kg		<MDL	1.7	3.4	ug/Kg
Tetrachloroethylene		<MDL	2.1	4.16	ug/Kg		<MDL,H	1.5	3.08	ug/Kg		<MDL,H	2.2	4.39	ug/Kg		<MDL	1.7	3.4	ug/Kg
Total Xylenes		<MDL	2.1	4.16	ug/Kg		<MDL,H	1.5	3.08	ug/Kg		<MDL,H	2.2	4.39	ug/Kg		<MDL	1.7	3.4	ug/Kg

* Not converted to dry weight basis for this parameter

Table B-3. 2008 Sediment Chemistry Results, Post Operation Year Three Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-06					Locator: DWMP-07					Locator: DWMP-08					Locator: DWMP-09				
	Sampled: 04/01/08 11:25:00 AM					Sampled: 04/02/08 9:30:00 AM					Sampled: 03/31/08 11:10:00 AM					Sampled: 03/31/08 2:50:00 PM				
	Lab ID: L45313-6					Lab ID: L45313-7					Lab ID: L45313-8					Lab ID: L45313-9				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
M=CV ASTM D422(318V1)																				
Clay *	12.4		0.95	1.91	%	13.7		0.98	1.95	%	13.3		1.1	2.21	%	18		1.4	2.77	%
Dry Weight Factor	3.65					3.84					4.96					8.03				
Fines *	30.5		0.95	1.91	%	39.1		0.98	1.95	%	40.9		1.1	2.21	%	65.1		1.4	2.77	%
Gravel *	4.7	E	0.19	1.91	%	4.9	E	0.2	1.95	%	11	E	0.22	2.21	%	0.8	<RDL,E	0.28	2.77	%
p+0.00 *	1.6		0.19	1.91	%	3		0.2	1.95	%	2.8		0.22	2.21	%	0.7	<RDL	0.28	2.77	%
p+1.00 *	10		0.19	1.91	%	4.6		0.2	1.95	%	5.4		0.22	2.21	%	1.1		0.28	2.77	%
p+10.0(equal/more than) *	8.6		0.95	1.91	%	12.7		0.98	1.95	%	11.1		1.1	2.21	%	13.9		1.4	2.77	%
p+2.00 *	36.5		0.19	1.91	%	18.2		0.2	1.95	%	18.4		0.22	2.21	%	4.1		0.28	2.77	%
p+3.00 *	14.3		0.19	1.91	%	17.3		0.2	1.95	%	13.8		0.22	2.21	%	11.1		0.28	2.77	%
p+4.00 *	5.3		0.19	1.91	%	12.2		0.2	1.95	%	9.8		0.22	2.21	%	12.3		0.28	2.77	%
p+5.00 *	6.7		0.95	1.91	%	9.8		0.98	1.95	%	14.4		1.1	2.21	%	18		1.4	2.77	%
p+6.00 *	3.8		0.95	1.91	%	3.9		0.98	1.95	%	4.4		1.1	2.21	%	9.7		1.4	2.77	%
p+7.00 *	4.8		0.95	1.91	%	5.9		0.98	1.95	%	5.5		1.1	2.21	%	12.5		1.4	2.77	%
p+8.00 *	2.9		0.95	1.91	%	5.9		0.98	1.95	%	3.3		1.1	2.21	%	6.9		1.4	2.77	%
p+9.00 *	3.8		0.95	1.91	%	1	<RDL	0.98	1.95	%	2.2		1.1	2.21	%	4.2		1.4	2.77	%
p-1.00 *	1.5		0.19	1.91	%	2.9		0.2	1.95	%	2.3		0.22	2.21	%	0.8	<RDL	0.28	2.77	%
p-2.00 *	0.8	<RDL	0.19	1.91	%	0.8	<RDL	0.2	1.95	%	0.4	<RDL	0.22	2.21	%		<MDL	0.28	2.77	%
p-2.00(less than) *	2.4		0.19	1.91	%	1.3		0.2	1.95	%	8.3		0.22	2.21	%		<MDL	0.28	2.77	%
Sand *	67.7		0.19	1.91	%	55.3		0.2	1.95	%	50.3		0.22	2.21	%	29.4		0.28	2.77	%
Silt *	18.1		0.95	1.91	%	25.4		0.98	1.95	%	27.6		1.1	2.21	%	47.1		1.4	2.77	%
M=CV EPA 9030B/SM4500-S2-D (330V0)																				
Total Sulfide	88	G	9.6	38.2	mg/Kg	11.2	G	0.98	3.94	mg/Kg	619	G	29	112	mg/Kg	59.7	G	7.2	29	mg/Kg
M=CV EPA 9060-PSEP96(337V3)																				
Total Organic Carbon	17000		2300	4530	mg/Kg	14400		2400	4860	mg/Kg	33600		2500	4960	mg/Kg	31300		2700	5420	mg/Kg
M=CV SM2540-G (307V2)																				
Total Volatile Solids	5.41		0.0096	0.0191	%	5		0.0098	0.0197	%	10.2		0.011	0.0224	%	9.91		0.014	0.029	%
M=CV SM2540-G (307V3)																				
Total Solids *	52.3		0.005	0.01	%	50.8		0.005	0.01	%	44.6		0.005	0.01	%	34.5		0.005	0.01	%
M=CV SM4500-NH3-G(332V1)KCL																				
Ammonia Nitrogen	2.41		0.18	0.367	mg/Kg	2.46		0.19	0.39	mg/Kg	7.33		0.22	0.43	mg/Kg	4		0.29	0.58	mg/Kg
M=MT CVAA EPA 7471B (604V4)																				
Mercury, Total, CVAA	0.184	E	0.0094	0.0929	mg/Kg	0.512	E	0.0096	0.0974	mg/Kg	0.46	E	0.011	0.115	mg/Kg	1.25	E	0.07	0.696	mg/Kg
M=MT ICP EPA3050B/6010C MOD(612V3)																				
Antimony, Total, ICP		<MDL,G	1.5	7.25	mg/Kg		<MDL,G	1.4	7.19	mg/Kg		<MDL,G	1.8	8.81	mg/Kg		<MDL,G	2.2	11.1	mg/Kg
Arsenic, Total, ICP	6.7	<RDL	2.5	12.1	mg/Kg	8.5	<RDL	2.4	12	mg/Kg	7.8	<RDL	2.9	14.7	mg/Kg	11	<RDL	3.8	18.6	mg/Kg
Cadmium, Total, ICP	0.31	<RDL	0.19	0.967	mg/Kg	0.37	<RDL	0.19	0.959	mg/Kg	0.83	<RDL	0.22	1.17	mg/Kg	0.75	<RDL	0.29	1.48	mg/Kg
Chromium, Total, ICP	29.1		0.29	1.45	mg/Kg	33.3		0.3	1.44	mg/Kg	43.7		0.36	1.76	mg/Kg	50.4		0.43	2.23	mg/Kg
Copper, Total, ICP	31.7		0.38	1.93	mg/Kg	40.4		0.37	1.92	mg/Kg	63.7		0.47	2.35	mg/Kg	62		0.58	2.96	mg/Kg
Lead, Total, ICP	28.9		1.9	9.67	mg/Kg	45.3		1.9	9.59	mg/Kg	69.1		2.2	11.7	mg/Kg	80.6		2.9	14.8	mg/Kg
Nickel, Total, ICP	28.3		0.48	2.41	mg/Kg	30.5		0.47	2.4	mg/Kg	37.4		0.58	2.94	mg/Kg	49.6		0.75	3.71	mg/Kg
Silver, Total, ICP	0.54	<RDL	0.38	1.93	mg/Kg	0.96	<RDL	0.37	1.92	mg/Kg	2.2	<RDL	0.47	2.35	mg/Kg	2.4	<RDL	0.58	2.96	mg/Kg
Zinc, Total, ICP	77.1		0.48	2.41	mg/Kg	75.4		0.47	2.4	mg/Kg	132		0.58	2.94	mg/Kg	113		0.75	3.71	mg/Kg
M=OR EPA 3550B/8270C (7-3-01-004)																				
1,2,4-Trichlorobenzene		<MDL	0.19	0.382	ug/Kg		<MDL	0.2	0.394	ug/Kg		<MDL	0.22	0.448	ug/Kg		<MDL	0.29	0.58	ug/Kg
1,2-Dichlorobenzene		<MDL	0.38	0.765	ug/Kg		<MDL	0.39	0.787	ug/Kg		<MDL	0.45	0.897	ug/Kg		<MDL	0.58	1.16	ug/Kg
1,3-Dichlorobenzene		<MDL	0.38	0.765	ug/Kg		<MDL	0.39	0.787	ug/Kg		<MDL	0.45	0.897	ug/Kg		<MDL	0.58	1.16	ug/Kg
1,4-Dichlorobenzene	6.52		0.38	0.765	ug/Kg	3.13		0.39	0.787	ug/Kg	20.9		0.45	0.897	ug/Kg	3.68		0.58	1.16	ug/Kg
2,4-Dimethylphenol		<MDL	1.9	3.82	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	2.2	4.48	ug/Kg		<MDL	2.9	5.8	ug/Kg
2-Methylnaphthalene	11		3.8	7.65	ug/Kg	13.2		3.9	7.87	ug/Kg	17.1		4.5	8.97	ug/Kg	19.4		5.8	11.6	ug/Kg
2-Methylphenol		<MDL	3.8	7.65	ug/Kg		<MDL	3.9	7.87	ug/Kg		<MDL	4.5	8.97	ug/Kg		<MDL	5.8	11.6	ug/Kg

Table B-3. 2008 Sediment Chemistry Results, Post Operation Year Three Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-06					Locator: DWMP-07					Locator: DWMP-08					Locator: DWMP-09				
	Sampled: 04/01/08 11:25:00 AM					Sampled: 04/02/08 9:30:00 AM					Sampled: 03/31/08 11:10:00 AM					Sampled: 03/31/08 2:50:00 PM				
	Lab ID: L45313-6					Lab ID: L45313-7					Lab ID: L45313-8					Lab ID: L45313-9				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
4-Methylphenol		<MDL	7.6	15.3	ug/Kg		<MDL	7.9	15.7	ug/Kg	136		9	17.9	ug/Kg	13	<RDL	12	23.2	ug/Kg
Acenaphthene	9.39		3.8	7.65	ug/Kg	16.7		3.9	7.87	ug/Kg	21		4.5	8.97	ug/Kg	27.4		5.8	11.6	ug/Kg
Acenaphthylene	9.62		3.8	7.65	ug/Kg	16.7		3.9	7.87	ug/Kg	17.8		4.5	8.97	ug/Kg	20.4		5.8	11.6	ug/Kg
Anthracene	49.3		3.8	7.65	ug/Kg	80.5		3.9	7.87	ug/Kg	106		4.5	8.97	ug/Kg	125		5.8	11.6	ug/Kg
Benzo(a)anthracene	128		3.8	7.65	ug/Kg	192		3.9	7.87	ug/Kg	260		4.5	8.97	ug/Kg	260		5.8	11.6	ug/Kg
Benzo(a)pyrene	162		3.8	7.65	ug/Kg	226		3.9	7.87	ug/Kg	309		4.5	8.97	ug/Kg	316		5.8	11.6	ug/Kg
Benzo(b)fluoranthene	182		3.8	7.65	ug/Kg	260		3.9	7.87	ug/Kg	383		4.5	8.97	ug/Kg	359		5.8	11.6	ug/Kg
Benzo(g,h,i)perylene	65		3.8	7.65	ug/Kg	78.7		3.9	7.87	ug/Kg	154		4.5	8.97	ug/Kg	151		5.8	11.6	ug/Kg
Benzo(k)fluoranthene	169		3.8	7.65	ug/Kg	213		3.9	7.87	ug/Kg	289		4.5	8.97	ug/Kg	322		5.8	11.6	ug/Kg
Benzoic Acid	166		19	38.2	ug/Kg	139		20	39.4	ug/Kg	190		22	44.8	ug/Kg	241		29	58	ug/Kg
Benzyl Alcohol		<MDL	3.8	7.65	ug/Kg		<MDL	3.9	7.87	ug/Kg		<MDL	4.5	8.97	ug/Kg		<MDL	5.8	11.6	ug/Kg
Benzyl Butyl Phthalate	35.4	B	1.9	3.82	ug/Kg	20.9	B	2	3.94	ug/Kg	58.5	B	2.2	4.48	ug/Kg	55.1	B	2.9	5.8	ug/Kg
Bis(2-Ethylhexyl)Phthalate	359	B,E	7.6	15.3	ug/Kg	236	B,E	7.9	15.7	ug/Kg	673	B,E	9	17.9	ug/Kg	933	B,E	12	23.2	ug/Kg
Caffeine		<MDL	7.6	15.3	ug/Kg		<MDL	7.9	15.7	ug/Kg		<MDL	9	17.9	ug/Kg		<MDL	12	23.2	ug/Kg
Carbazole	15.4		3.8	7.65	ug/Kg	26.2		3.9	7.87	ug/Kg	41.5		4.5	8.97	ug/Kg	37.7		5.8	11.6	ug/Kg
Chrysene	191		3.8	7.65	ug/Kg	256		3.9	7.87	ug/Kg	339		4.5	8.97	ug/Kg	339		5.8	11.6	ug/Kg
Coprostanol		<MDL	76	153	ug/Kg		<MDL	79	157	ug/Kg		<MDL	90	179	ug/Kg		<MDL	120	232	ug/Kg
Dibenzo(a,h)anthracene	29.6		3.8	7.65	ug/Kg	33.9		3.9	7.87	ug/Kg	62.6		4.5	8.97	ug/Kg	58.3		5.8	11.6	ug/Kg
Dibenzofuran	7.1	<RDL	3.8	7.65	ug/Kg	9.65		3.9	7.87	ug/Kg	13.6		4.5	8.97	ug/Kg	13.5		5.8	11.6	ug/Kg
Diethyl Phthalate		<MDL	7.6	15.3	ug/Kg		<MDL	7.9	15.7	ug/Kg		<MDL	9	17.9	ug/Kg		<MDL	12	23.2	ug/Kg
Dimethyl Phthalate		<MDL	7.6	15.3	ug/Kg		<MDL	7.9	15.7	ug/Kg		<MDL	9	17.9	ug/Kg		<MDL	12	23.2	ug/Kg
Di-N-Butyl Phthalate	16.6	B	7.6	15.3	ug/Kg	27	B	7.9	15.7	ug/Kg	33.2	B	9	17.9	ug/Kg	34.5	B	12	23.2	ug/Kg
Di-N-Octyl Phthalate		<MDL	7.6	15.3	ug/Kg		<MDL	7.9	15.7	ug/Kg		<MDL	9	17.9	ug/Kg		<MDL	12	23.2	ug/Kg
Fluoranthene	210		3.8	7.65	ug/Kg	276		3.9	7.87	ug/Kg	471		4.5	8.97	ug/Kg	429		5.8	11.6	ug/Kg
Fluorene	11.4		3.8	7.65	ug/Kg	21.3		3.9	7.87	ug/Kg	27.8		4.5	8.97	ug/Kg	36.5		5.8	11.6	ug/Kg
Hexachlorobenzene		<MDL	0.19	0.382	ug/Kg		<MDL	0.2	0.394	ug/Kg		<MDL	0.22	0.448	ug/Kg		<MDL	0.29	0.58	ug/Kg
Hexachlorobutadiene		<MDL	0.96	1.91	ug/Kg		<MDL	0.98	1.97	ug/Kg		<MDL	1.1	2.24	ug/Kg		<MDL	1.4	2.9	ug/Kg
Hexachloroethane		<MDL	1.9	3.82	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	2.2	4.48	ug/Kg		<MDL	2.9	5.8	ug/Kg
Indeno(1,2,3-Cd)Pyrene	74.8		3.8	7.65	ug/Kg	87.4		3.9	7.87	ug/Kg	155		4.5	8.97	ug/Kg	160		5.8	11.6	ug/Kg
Naphthalene	7.6	<RDL	3.8	7.65	ug/Kg	12.1		3.9	7.87	ug/Kg	18		4.5	8.97	ug/Kg	15.7		5.8	11.6	ug/Kg
N-Nitrosodiphenylamine		<MDL	7.6	15.3	ug/Kg		<MDL	7.9	15.7	ug/Kg		<MDL	9	17.9	ug/Kg		<MDL	12	23.2	ug/Kg
Pentachlorophenol		<MDL	19	38.2	ug/Kg		<MDL	20	39.4	ug/Kg		<MDL	22	44.8	ug/Kg		<MDL	29	58	ug/Kg
Phenanthrene	121		3.8	7.65	ug/Kg	165		3.9	7.87	ug/Kg	271		4.5	8.97	ug/Kg	276		5.8	11.6	ug/Kg
Phenol	20.7		7.6	15.3	ug/Kg		<MDL	7.9	15.7	ug/Kg	217		9	17.9	ug/Kg	251		12	23.2	ug/Kg
Pyrene	203	E	3.8	7.65	ug/Kg	252	E	3.9	7.87	ug/Kg	451	E	4.5	8.97	ug/Kg	409	E	5.8	11.6	ug/Kg
Total HPAHS	1410	E	3.8	7.65	ug/Kg	1870	E	3.9	7.87	ug/Kg	2870	E	4.5	8.97	ug/Kg	2810	E	5.8	11.6	ug/Kg
Total LPAHs	220		3.8	7.65	ug/Kg	325		3.9	7.87	ug/Kg	478		4.5	8.97	ug/Kg	522		5.8	11.6	ug/Kg
M=OR EPA 8081A/8082 (7-3-03-002)																				
4,4'-DDD		<MDL	1.9	3.82	ug/Kg	3.7	<RDL	2	3.94	ug/Kg	11.1		2.2	4.48	ug/Kg	8		2.9	5.8	ug/Kg
4,4'-DDE		<MDL	1.9	3.82	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	2.2	4.48	ug/Kg		<MDL	2.9	5.8	ug/Kg
4,4'-DDT		<MDL	1.9	3.82	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	2.2	4.48	ug/Kg		<MDL	2.9	5.8	ug/Kg
Aldrin		<MDL	1.9	3.82	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	2.2	4.48	ug/Kg		<MDL	2.9	5.8	ug/Kg
Alpha-BHC		<MDL	0.96	1.91	ug/Kg		<MDL	0.98	1.97	ug/Kg		<MDL	1.1	2.24	ug/Kg		<MDL	1.4	2.9	ug/Kg
Alpha-Chlordane		<MDL	0.96	1.91	ug/Kg		<MDL	0.98	1.97	ug/Kg		<MDL	1.1	2.24	ug/Kg		<MDL	1.4	2.9	ug/Kg
Beta-BHC		<MDL	0.96	1.91	ug/Kg		<MDL	0.98	1.97	ug/Kg		<MDL	1.1	2.24	ug/Kg		<MDL	1.4	2.9	ug/Kg
Delta-BHC		<MDL	0.96	1.91	ug/Kg		<MDL	0.98	1.97	ug/Kg		<MDL	1.1	2.24	ug/Kg		<MDL	1.4	2.9	ug/Kg
Dieldrin		<MDL	1.9	3.82	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	2.2	4.48	ug/Kg		<MDL	2.9	5.8	ug/Kg
Endosulfan I		<MDL	1.9	3.82	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	2.2	4.48	ug/Kg		<MDL	2.9	5.8	ug/Kg
Endosulfan II		<MDL	1.9	3.82	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	2.2	4.48	ug/Kg		<MDL	2.9	5.8	ug/Kg
Endosulfan Sulfate		<MDL	1.9	3.82	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	2.2	4.48	ug/Kg		<MDL	2.9	5.8	ug/Kg
Endrin		<MDL	1.9	3.82	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	2.2	4.48	ug/Kg		<MDL	2.9	5.8	ug/Kg

Table B-3. 2008 Sediment Chemistry Results, Post Operation Year Three Sediment Monitoring

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	Locator: DWMP-06 Sampled: 04/01/08 11:25:00 AM Lab ID: L45313-6 Dry Weight Basis					Locator: DWMP-07 Sampled: 04/02/08 9:30:00 AM Lab ID: L45313-7 Dry Weight Basis					Locator: DWMP-08 Sampled: 03/31/08 11:10:00 AM Lab ID: L45313-8 Dry Weight Basis					Locator: DWMP-09 Sampled: 03/31/08 2:50:00 PM Lab ID: L45313-9 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Endrin Aldehyde		<MDL,E	1.9	3.82	ug/Kg		<MDL,E	2	3.94	ug/Kg		<MDL,E	2.2	4.48	ug/Kg		<MDL,E	2.9	5.8	ug/Kg
Gamma-BHC (Lindane)		<MDL	0.96	1.91	ug/Kg		<MDL	0.98	1.97	ug/Kg		<MDL	1.1	2.24	ug/Kg		<MDL	1.4	2.9	ug/Kg
Gamma-Chlordane		<MDL	0.96	1.91	ug/Kg		<MDL	0.98	1.97	ug/Kg	7.47		1.1	2.24	ug/Kg	2.93		1.4	2.9	ug/Kg
Heptachlor		<MDL	0.96	1.91	ug/Kg		<MDL	0.98	1.97	ug/Kg		<MDL	1.1	2.24	ug/Kg		<MDL	1.4	2.9	ug/Kg
Heptachlor Epoxide		<MDL	0.96	1.91	ug/Kg		<MDL	0.98	1.97	ug/Kg		<MDL	1.1	2.24	ug/Kg		<MDL	1.4	2.9	ug/Kg
Methoxychlor		<MDL	9.6	19.1	ug/Kg		<MDL	9.8	19.7	ug/Kg		<MDL	11	22.4	ug/Kg		<MDL	14	29	ug/Kg
Toxaphene		<MDL	19	38.2	ug/Kg		<MDL	20	39.4	ug/Kg		<MDL	22	44.8	ug/Kg		<MDL	29	58	ug/Kg
M=OR EPA 8081A/8082 (7-3-103-000)																				
Aroclor 1016		<MDL,TA	8	16.1	ug/Kg		<MDL,TA	8.3	16.5	ug/Kg		<MDL,TA	29	56.7	ug/Kg		<MDL,TA	27	53.9	ug/Kg
Aroclor 1221		<MDL	3.8	7.65	ug/Kg		<MDL	3.9	7.87	ug/Kg		<MDL	4.5	8.97	ug/Kg		<MDL	5.8	11.6	ug/Kg
Aroclor 1232		<MDL,TA	16	31.4	ug/Kg		<MDL	3.9	7.87	ug/Kg		<MDL	4.5	8.97	ug/Kg		<MDL	5.8	11.6	ug/Kg
Aroclor 1242		<MDL	1.9	3.82	ug/Kg		<MDL,TA	17	33.7	ug/Kg		<MDL,TA	54	109	ug/Kg		<MDL,TA	52	106	ug/Kg
Aroclor 1248	13.6		1.9	3.82	ug/Kg	18.7		2	3.94	ug/Kg	59.4		2.2	4.48	ug/Kg	57.7		2.9	5.8	ug/Kg
Aroclor 1254	34.6		1.9	3.82	ug/Kg	61.8		2	3.94	ug/Kg	146		2.2	4.48	ug/Kg	139		2.9	5.8	ug/Kg
Aroclor 1260	31.4		1.9	3.82	ug/Kg	57.1		2	3.94	ug/Kg	111		2.2	4.48	ug/Kg	108		2.9	5.8	ug/Kg
Total Aroclors	79.5		1.9	3.82	ug/Kg	138		2	3.94	ug/Kg	316		2.2	4.48	ug/Kg	304		2.9	5.8	ug/Kg
M=OR EPA 8260B (7-3-02-003)																				
1,1,2-Trichloroethylene		<MDL	1.9	3.82	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL,H	2.2	4.48	ug/Kg		<MDL,H	2.9	5.8	ug/Kg
Ethylbenzene		<MDL	1.9	3.82	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL,H	2.2	4.48	ug/Kg		<MDL,H	2.9	5.8	ug/Kg
Tetrachloroethylene		<MDL	1.9	3.82	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL,H	2.2	4.48	ug/Kg		<MDL,H	2.9	5.8	ug/Kg
Total Xylenes		<MDL	1.9	3.82	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL,H	2.2	4.48	ug/Kg		<MDL,H	2.9	5.8	ug/Kg

* Not converted to dry weight basis for this parameter

Table B-3. 2008 Sediment Chemistry Results, Post Operation Year Three Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-11					Locator: DWMP-12					Locator: DWMP-14					Locator: DWMP-15				
	Sampled: 04/02/08 10:40:00 AM					Sampled: 04/02/08 8:30:00 AM					Sampled: 04/01/08 10:07:00 AM					Sampled: 04/01/08 8:40:00 AM				
	Lab ID: L45313-11					Lab ID: L45313-12					Lab ID: L45313-14					Lab ID: L45313-15				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
M=CV ASTM D422(318V1)																				
Clay *	12.5		0.96	1.92	%	20		1.5	3.08	%	14.4		0.9	1.8	%	18		0.82	1.64	%
Dry Weight Factor	3.8					9.75					3.54					2.85				
Fines *	32.6		0.96	1.92	%	77		1.5	3.08	%	55.8		0.9	1.8	%	48.4		0.82	1.64	%
Gravel *	3.1	E	0.19	1.92	%	1.4	E	0.31	3.08	%	3.2	E	0.18	1.8	%	13.4	E	0.16	1.64	%
p+0.00 *	1.3		0.19	1.92	%	0.3	<RDL	0.31	3.08	%	0.3	<RDL	0.18	1.8	%	3.4		0.16	1.64	%
p+1.00 *	10		0.19	1.92	%	0.7	<RDL	0.31	3.08	%	0.7	<RDL	0.18	1.8	%	3.7		0.16	1.64	%
p+10.0(equal/more than) *	9.6		0.96	1.92	%	15.4		1.5	3.08	%	10.8		0.9	1.8	%	11.5		0.82	1.64	%
p+2.00 *	29.1		0.19	1.92	%	4		0.31	3.08	%	4.3		0.18	1.8	%	7.4		0.16	1.64	%
p+3.00 *	13.1		0.19	1.92	%	11.1		0.31	3.08	%	23.3		0.18	1.8	%	8.7		0.16	1.64	%
p+4.00 *	8.2		0.19	1.92	%	11.6		0.31	3.08	%	6.8		0.18	1.8	%	9.4		0.16	1.64	%
p+5.00 *	10.6		0.96	1.92	%	27.7		1.5	3.08	%	9.9		0.9	1.8	%	6.6		0.82	1.64	%
p+6.00 *	2.9		0.96	1.92	%	7.7		1.5	3.08	%	17.1		0.9	1.8	%	10.7		0.82	1.64	%
p+7.00 *	3.8		0.96	1.92	%	13.9		1.5	3.08	%	8.1		0.9	1.8	%	6.6		0.82	1.64	%
p+8.00 *	2.9		0.96	1.92	%	7.7		1.5	3.08	%	6.3		0.9	1.8	%	6.6		0.82	1.64	%
p+9.00 *	2.9		0.96	1.92	%	4.6		1.5	3.08	%	3.6		0.9	1.8	%	6.6		0.82	1.64	%
p-1.00 *	0.9	<RDL	0.19	1.92	%	0.4	<RDL	0.31	3.08	%		<MDL	0.18	1.8	%	5.6		0.16	1.64	%
p-2.00 *	0.19	<RDL	0.19	1.92	%		<MDL	0.31	3.08	%		<MDL	0.18	1.8	%	1.8		0.16	1.64	%
p-2.00(less than) *	2		0.19	1.92	%	1		0.31	3.08	%	3.2		0.18	1.8	%	6		0.16	1.64	%
Sand *	61.7		0.19	1.92	%	27.7		0.31	3.08	%	35.4		0.18	1.8	%	32.7		0.16	1.64	%
Silt *	20.2		0.96	1.92	%	57		1.5	3.08	%	41.4		0.9	1.8	%	30.3		0.82	1.64	%
M=CV EPA 9030B/SM4500-S2-D (330V0)																				
Total Sulfide	14.4	G	0.99	3.96	mg/Kg	77.2	G	16	63.3	mg/Kg	6.93	G	0.98	3.94	mg/Kg	34.9	G	4.3	17.4	mg/Kg
M=CV EPA 9060-PSEP96(337V3)																				
Total Organic Carbon	23400		2600	5250	mg/Kg	35100		2600	5160	mg/Kg	26400		3300	6710	mg/Kg	11500		2400	4760	mg/Kg
M=CV SM2540-G (307V2)																				
Total Volatile Solids	7.45		0.0099	0.0198	%	11.4		0.016	0.0316	%	7.01		0.0098	0.0197	%	4.41		0.0087	0.0174	%
M=CV SM2540-G (307V3)																				
Total Solids *	50.5		0.005	0.01	%	31.6		0.005	0.01	%	50.8		0.005	0.01	%	57.6		0.005	0.01	%
M=CV SM4500-NH3-G(332V1)KCL																				
Ammonia Nitrogen	3.03		0.19	0.388	mg/Kg	3.83		0.3	0.608	mg/Kg	2.99		0.19	0.382	mg/Kg	1.56		0.17	0.34	mg/Kg
M=MT CVAA EPA 7471B (604V4)																				
Mercury, Total, CVAA	0.354	E	0.0095	0.0952	mg/Kg	0.399	E	0.016	0.154	mg/Kg	0.52	E	0.01	0.101	mg/Kg	0.354	E	0.0083	0.0837	mg/Kg
M=MT ICP EPA3050B/6010C MOD(612V3)																				
Antimony, Total, ICP		<MDL,G	1.4	7.23	mg/Kg		<MDL,G	2.5	12.5	mg/Kg		<MDL,G	1.5	7.56	mg/Kg		<MDL,G	1.3	6.32	mg/Kg
Arsenic, Total, ICP	7.3	<RDL	2.4	12	mg/Kg	11	<RDL	4.1	20.8	mg/Kg	8.9	<RDL	2.6	12.6	mg/Kg	9	<RDL	2.1	10.5	mg/Kg
Cadmium, Total, ICP	0.5	<RDL	0.19	0.962	mg/Kg	1	<RDL	0.35	1.66	mg/Kg	0.85	<RDL	0.2	1.01	mg/Kg	0.896		0.17	0.844	mg/Kg
Chromium, Total, ICP	32.5		0.3	1.44	mg/Kg	49.7		0.51	2.5	mg/Kg	48.6		0.3	1.51	mg/Kg	54.5		0.26	1.27	mg/Kg
Copper, Total, ICP	42.2		0.38	1.92	mg/Kg	62.7		0.66	3.32	mg/Kg	70.1		0.39	2.01	mg/Kg	51.9		0.33	1.69	mg/Kg
Lead, Total, ICP	52.7		1.9	9.62	mg/Kg	62.7		3.5	16.6	mg/Kg	102		2	10.1	mg/Kg	55.9		1.7	8.44	mg/Kg
Nickel, Total, ICP	25.7		0.48	2.42	mg/Kg	47.8		0.82	4.15	mg/Kg	42.7		0.51	2.52	mg/Kg	56.8		0.42	2.1	mg/Kg
Silver, Total, ICP	1.5	<RDL	0.38	1.92	mg/Kg	1.9	<RDL	0.66	3.32	mg/Kg	3.82		0.39	2.01	mg/Kg	1.71		0.33	1.69	mg/Kg
Zinc, Total, ICP	87.1		0.48	2.42	mg/Kg	131		0.82	4.15	mg/Kg	118		0.51	2.52	mg/Kg	137		0.42	2.1	mg/Kg
M=OR EPA 3550B/8270C (7-3-01-004)																				
1,2,4-Trichlorobenzene		<MDL	0.2	0.396	ug/Kg		<MDL	0.32	0.633	ug/Kg		<MDL	0.2	0.394	ug/Kg		<MDL	0.17	0.347	ug/Kg
1,2-Dichlorobenzene		<MDL	0.4	0.792	ug/Kg		<MDL	0.63	1.27	ug/Kg		<MDL	0.39	0.787	ug/Kg		<MDL	0.35	0.694	ug/Kg
1,3-Dichlorobenzene		<MDL	0.4	0.792	ug/Kg		<MDL	0.63	1.27	ug/Kg		<MDL	0.39	0.787	ug/Kg		<MDL	0.35	0.694	ug/Kg
1,4-Dichlorobenzene	8.69		0.4	0.792	ug/Kg	5.13		0.63	1.27	ug/Kg	4.67		0.39	0.787	ug/Kg	1.89		0.35	0.694	ug/Kg
2,4-Dimethylphenol		<MDL	2	3.96	ug/Kg		<MDL	3.2	6.33	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	1.7	3.47	ug/Kg
2-Methylnaphthalene	11		4	7.92	ug/Kg	18		6.3	12.7	ug/Kg	20.3		3.9	7.87	ug/Kg	10.1		3.5	6.94	ug/Kg
2-Methylphenol		<MDL	4	7.92	ug/Kg		<MDL	6.3	12.7	ug/Kg		<MDL	3.9	7.87	ug/Kg		<MDL	3.5	6.94	ug/Kg

Table B-3. 2008 Sediment Chemistry Results, Post Operation Year Three Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-11					Locator: DWMP-12					Locator: DWMP-14					Locator: DWMP-15				
	Sampled: 04/02/08 10:40:00 AM					Sampled: 04/02/08 8:30:00 AM					Sampled: 04/01/08 10:07:00 AM					Sampled: 04/01/08 8:40:00 AM				
	Lab ID: L45313-11					Lab ID: L45313-12					Lab ID: L45313-14					Lab ID: L45313-15				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
4-Methylphenol		<MDL	7.9	15.8	ug/Kg		<MDL	13	25.3	ug/Kg	10	<RDL	7.9	15.7	ug/Kg		<MDL	6.9	13.9	ug/Kg
Acenaphthene	15.9		4	7.92	ug/Kg	18.2		6.3	12.7	ug/Kg	25.6		3.9	7.87	ug/Kg	10.7		3.5	6.94	ug/Kg
Acenaphthylene	12.1		4	7.92	ug/Kg	20.9		6.3	12.7	ug/Kg	23.4		3.9	7.87	ug/Kg	9.48		3.5	6.94	ug/Kg
Anthracene	72.1		4	7.92	ug/Kg	91.8		6.3	12.7	ug/Kg	126		3.9	7.87	ug/Kg	50.3		3.5	6.94	ug/Kg
Benzo(a)anthracene	184		4	7.92	ug/Kg	235		6.3	12.7	ug/Kg	317		3.9	7.87	ug/Kg	125		3.5	6.94	ug/Kg
Benzo(a)pyrene	206		4	7.92	ug/Kg	294		6.3	12.7	ug/Kg	350		3.9	7.87	ug/Kg	156		3.5	6.94	ug/Kg
Benzo(b)fluoranthene	242		4	7.92	ug/Kg	339		6.3	12.7	ug/Kg	429		3.9	7.87	ug/Kg	177		3.5	6.94	ug/Kg
Benzo(g,h,i)perylene	77		4	7.92	ug/Kg	119		6.3	12.7	ug/Kg	189		3.9	7.87	ug/Kg	60.1		3.5	6.94	ug/Kg
Benzo(k)fluoranthene	197		4	7.92	ug/Kg	303		6.3	12.7	ug/Kg	339		3.9	7.87	ug/Kg	166		3.5	6.94	ug/Kg
Benzoic Acid	130		20	39.6	ug/Kg	270		32	63.3	ug/Kg	134		20	39.4	ug/Kg	110		17	34.7	ug/Kg
Benzyl Alcohol		<MDL	4	7.92	ug/Kg		<MDL	6.3	12.7	ug/Kg		<MDL	3.9	7.87	ug/Kg		<MDL	3.5	6.94	ug/Kg
Benzyl Butyl Phthalate	28.5	B	2	3.96	ug/Kg	54.1	B	3.2	6.33	ug/Kg	154	B	2	3.94	ug/Kg	37.5	B	1.7	3.47	ug/Kg
Bis(2-Ethylhexyl)Phthalate	289	B,E	7.9	15.8	ug/Kg	734	B,E	13	25.3	ug/Kg	728	B,E	7.9	15.7	ug/Kg	417	B,E	6.9	13.9	ug/Kg
Caffeine		<MDL	7.9	15.8	ug/Kg		<MDL	13	25.3	ug/Kg		<MDL	7.9	15.7	ug/Kg		<MDL	6.9	13.9	ug/Kg
Carbazole	28.1		4	7.92	ug/Kg	29.6		6.3	12.7	ug/Kg	45.9		3.9	7.87	ug/Kg	16.3		3.5	6.94	ug/Kg
Chrysene	238		4	7.92	ug/Kg	335		6.3	12.7	ug/Kg	409		3.9	7.87	ug/Kg	174		3.5	6.94	ug/Kg
Coprostanol		<MDL	79	158	ug/Kg		<MDL	130	253	ug/Kg		<MDL	79	157	ug/Kg		<MDL	69	139	ug/Kg
Dibenzo(a,h)anthracene	34.9		4	7.92	ug/Kg	50.6		6.3	12.7	ug/Kg	78.3		3.9	7.87	ug/Kg	26		3.5	6.94	ug/Kg
Dibenzofuran	8.28		4	7.92	ug/Kg	11	<RDL	6.3	12.7	ug/Kg	14.4		3.9	7.87	ug/Kg	6.1	<RDL	3.5	6.94	ug/Kg
Diethyl Phthalate		<MDL	7.9	15.8	ug/Kg		<MDL	13	25.3	ug/Kg		<MDL	7.9	15.7	ug/Kg		<MDL	6.9	13.9	ug/Kg
Dimethyl Phthalate		<MDL	7.9	15.8	ug/Kg		<MDL	13	25.3	ug/Kg		<MDL	7.9	15.7	ug/Kg		<MDL	6.9	13.9	ug/Kg
Di-N-Butyl Phthalate	17.4	B	7.9	15.8	ug/Kg	35.4	B	13	25.3	ug/Kg	35.2	B	7.9	15.7	ug/Kg	15.4	B	6.9	13.9	ug/Kg
Di-N-Octyl Phthalate		<MDL	7.9	15.8	ug/Kg		<MDL	13	25.3	ug/Kg		<MDL	7.9	15.7	ug/Kg		<MDL	6.9	13.9	ug/Kg
Fluoranthene	343		4	7.92	ug/Kg	389		6.3	12.7	ug/Kg	533		3.9	7.87	ug/Kg	203		3.5	6.94	ug/Kg
Fluorene	20.8		4	7.92	ug/Kg	26.1		6.3	12.7	ug/Kg	34.4		3.9	7.87	ug/Kg	16.1		3.5	6.94	ug/Kg
Hexachlorobenzene		<MDL	0.2	0.396	ug/Kg		<MDL	0.32	0.633	ug/Kg		<MDL	0.2	0.394	ug/Kg	1.46		0.17	0.347	ug/Kg
Hexachlorobutadiene		<MDL	0.99	1.98	ug/Kg		<MDL	1.6	3.16	ug/Kg		<MDL	0.98	1.97	ug/Kg		<MDL	0.87	1.74	ug/Kg
Hexachloroethane		<MDL	2	3.96	ug/Kg		<MDL	3.2	6.33	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	1.7	3.47	ug/Kg
Indeno(1,2,3-Cd)Pyrene	84.6		4	7.92	ug/Kg	125		6.3	12.7	ug/Kg	201		3.9	7.87	ug/Kg	65.3		3.5	6.94	ug/Kg
Naphthalene	9.9		4	7.92	ug/Kg	15.5		6.3	12.7	ug/Kg	23.6		3.9	7.87	ug/Kg	7.62		3.5	6.94	ug/Kg
N-Nitrosodiphenylamine		<MDL	7.9	15.8	ug/Kg		<MDL	13	25.3	ug/Kg		<MDL	7.9	15.7	ug/Kg		<MDL	6.9	13.9	ug/Kg
Pentachlorophenol		<MDL	20	39.6	ug/Kg		<MDL	32	63.3	ug/Kg		<MDL	20	39.4	ug/Kg		<MDL	17	34.7	ug/Kg
Phenanthrene	176		4	7.92	ug/Kg	215		6.3	12.7	ug/Kg	291		3.9	7.87	ug/Kg	115		3.5	6.94	ug/Kg
Phenol		<MDL	7.9	15.8	ug/Kg	39.9		13	25.3	ug/Kg	38.6		7.9	15.7	ug/Kg	8.2	<RDL	6.9	13.9	ug/Kg
Pyrene	297	E	4	7.92	ug/Kg	332	E	6.3	12.7	ug/Kg	583	E	3.9	7.87	ug/Kg	205	E	3.5	6.94	ug/Kg
Total HPAHS	1900	E	4	7.92	ug/Kg	2530	E	6.3	12.7	ug/Kg	3430	E	3.9	7.87	ug/Kg	1360	E	3.5	6.94	ug/Kg
Total LPAHs	319		4	7.92	ug/Kg	405		6.3	12.7	ug/Kg	543		3.9	7.87	ug/Kg	219		3.5	6.94	ug/Kg
M=OR EPA 8081A/8082 (7-3-03-002)																				
4,4'-DDD	7.56		2	3.96	ug/Kg	5.4	<RDL	3.2	6.33	ug/Kg		<MDL	2	3.94	ug/Kg	6.13		1.7	3.47	ug/Kg
4,4'-DDE		<MDL	2	3.96	ug/Kg		<MDL	3.2	6.33	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	1.7	3.47	ug/Kg
4,4'-DDT		<MDL	2	3.96	ug/Kg		<MDL	3.2	6.33	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	1.7	3.47	ug/Kg
Aldrin		<MDL	2	3.96	ug/Kg		<MDL	3.2	6.33	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	1.7	3.47	ug/Kg
Alpha-BHC		<MDL	0.99	1.98	ug/Kg		<MDL	1.6	3.16	ug/Kg		<MDL	0.98	1.97	ug/Kg		<MDL	0.87	1.74	ug/Kg
Alpha-Chlordane		<MDL	0.99	1.98	ug/Kg		<MDL	1.6	3.16	ug/Kg	1.8	<RDL	0.98	1.97	ug/Kg		<MDL	0.87	1.74	ug/Kg
Beta-BHC		<MDL	0.99	1.98	ug/Kg		<MDL	1.6	3.16	ug/Kg		<MDL	0.98	1.97	ug/Kg		<MDL	0.87	1.74	ug/Kg
Delta-BHC		<MDL	0.99	1.98	ug/Kg		<MDL	1.6	3.16	ug/Kg		<MDL	0.98	1.97	ug/Kg		<MDL	0.87	1.74	ug/Kg
Dieldrin		<MDL	2	3.96	ug/Kg		<MDL	3.2	6.33	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	1.7	3.47	ug/Kg
Endosulfan I		<MDL	2	3.96	ug/Kg		<MDL	3.2	6.33	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	1.7	3.47	ug/Kg
Endosulfan II		<MDL	2	3.96	ug/Kg		<MDL	3.2	6.33	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	1.7	3.47	ug/Kg
Endosulfan Sulfate		<MDL	2	3.96	ug/Kg		<MDL	3.2	6.33	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	1.7	3.47	ug/Kg
Endrin		<MDL	2	3.96	ug/Kg		<MDL	3.2	6.33	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	1.7	3.47	ug/Kg

Table B-3. 2008 Sediment Chemistry Results, Post Operation Year Three Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-11 Sampled: 04/02/08 10:40:00 AM Lab ID: L45313-11 Dry Weight Basis					Locator: DWMP-12 Sampled: 04/02/08 8:30:00 AM Lab ID: L45313-12 Dry Weight Basis					Locator: DWMP-14 Sampled: 04/01/08 10:07:00 AM Lab ID: L45313-14 Dry Weight Basis					Locator: DWMP-15 Sampled: 04/01/08 8:40:00 AM Lab ID: L45313-15 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Endrin Aldehyde		<MDL,E	2	3.96	ug/Kg		<MDL,E	3.2	6.33	ug/Kg		<MDL,E	2	3.94	ug/Kg		<MDL,E	1.7	3.47	ug/Kg
Gamma-BHC (Lindane)		<MDL	0.99	1.98	ug/Kg		<MDL	1.6	3.16	ug/Kg		<MDL	0.98	1.97	ug/Kg		<MDL	0.87	1.74	ug/Kg
Gamma-Chlordane	4.16		0.99	1.98	ug/Kg		<MDL	1.6	3.16	ug/Kg		<MDL	0.98	1.97	ug/Kg		<MDL	0.87	1.74	ug/Kg
Heptachlor		<MDL	0.99	1.98	ug/Kg		<MDL	1.6	3.16	ug/Kg		<MDL	0.98	1.97	ug/Kg		<MDL	0.87	1.74	ug/Kg
Heptachlor Epoxide		<MDL	0.99	1.98	ug/Kg		<MDL	1.6	3.16	ug/Kg		<MDL	0.98	1.97	ug/Kg		<MDL	0.87	1.74	ug/Kg
Methoxychlor		<MDL	9.9	19.8	ug/Kg		<MDL	16	31.6	ug/Kg		<MDL	9.8	19.7	ug/Kg		<MDL	8.7	17.4	ug/Kg
Toxaphene		<MDL	20	39.6	ug/Kg		<MDL	32	63.3	ug/Kg		<MDL	20	39.4	ug/Kg		<MDL	17	34.7	ug/Kg
M=OR EPA 8081A/8082 (7-3-103-000)																				
Aroclor 1016		<MDL,TA	22	43	ug/Kg		<MDL,TA	23	45.6	ug/Kg		<MDL,TA	53	106	ug/Kg		<MDL,TA	28	56.9	ug/Kg
Aroclor 1221		<MDL	4	7.92	ug/Kg		<MDL	6.3	12.7	ug/Kg		<MDL,TA	9.4	18.9	ug/Kg		<MDL	3.5	6.94	ug/Kg
Aroclor 1232		<MDL,TA	38	74.1	ug/Kg		<MDL	6.3	12.7	ug/Kg		<MDL,TA	83	165	ug/Kg		<MDL,TA	43	87.2	ug/Kg
Aroclor 1242		<MDL,TA	51	104	ug/Kg		<MDL,TA	44	90.5	ug/Kg		<MDL,TA	130	256	ug/Kg		<MDL,TA	63	124	ug/Kg
Aroclor 1248	41.6		2	3.96	ug/Kg	50		3.2	6.33	ug/Kg	110		2	3.94	ug/Kg	55.7		1.7	3.47	ug/Kg
Aroclor 1254	95.4		2	3.96	ug/Kg	118		3.2	6.33	ug/Kg	242		2	3.94	ug/Kg	119		1.7	3.47	ug/Kg
Aroclor 1260	69.7		2	3.96	ug/Kg	115		3.2	6.33	ug/Kg	157		2	3.94	ug/Kg	88.9		1.7	3.47	ug/Kg
Total Aroclors	206		2	3.96	ug/Kg	283		3.2	6.33	ug/Kg	510		2	3.94	ug/Kg	264		1.7	3.47	ug/Kg
M=OR EPA 8260B (7-3-02-003)																				
1,1,2-Trichloroethylene		<MDL	2	3.96	ug/Kg		<MDL	3.2	6.33	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	1.7	3.47	ug/Kg
Ethylbenzene		<MDL	2	3.96	ug/Kg		<MDL	3.2	6.33	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	1.7	3.47	ug/Kg
Tetrachloroethylene		<MDL	2	3.96	ug/Kg		<MDL	3.2	6.33	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	1.7	3.47	ug/Kg
Total Xylenes		<MDL	2	3.96	ug/Kg		<MDL	3.2	6.33	ug/Kg		<MDL	2	3.94	ug/Kg		<MDL	1.7	3.47	ug/Kg

* Not converted to dry weight basis for this parameter

Table B-3. 2008 Sediment Chemistry Results, Post Operation Year Three Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-16 Sampled: 04/01/08 9:20:00 AM Lab ID: L45313-16 Dry Weight Basis					Locator: DWMP-08 Sampled: 03/31/08 11:55:00 AM Lab ID: L45313-17 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
M=CV ASTM D422(318V1)										
Clay *	21.6		0.8	1.6	%	13		0.93	1.85	%
Dry Weight Factor	2.9					3.58				
Fines *	48		0.8	1.6	%	40.7		0.93	1.85	%
Gravel *	18.5	E	0.16	1.6	%	9.4	E	0.19	1.85	%
p+0.00 *	3.1		0.16	1.6	%	4.6		0.19	1.85	%
p+1.00 *	3.2		0.16	1.6	%	8.8		0.19	1.85	%
p+10.0(equal/more than) *	12.8		0.8	1.6	%	9.3		0.93	1.85	%
p+2.00 *	5.3		0.16	1.6	%	22.5		0.19	1.85	%
p+3.00 *	10		0.16	1.6	%	10.5		0.19	1.85	%
p+4.00 *	3.6		0.16	1.6	%	4.7		0.19	1.85	%
p+5.00 *	4.8		0.8	1.6	%	12		0.93	1.85	%
p+6.00 *	8		0.8	1.6	%	5.6		0.93	1.85	%
p+7.00 *	4.8		0.8	1.6	%	6.5		0.93	1.85	%
p+8.00 *	8.8		0.8	1.6	%	3.7		0.93	1.85	%
p+9.00 *	8.8		0.8	1.6	%	3.7		0.93	1.85	%
p-1.00 *	4.3		0.16	1.6	%	3.7		0.19	1.85	%
p-2.00 *	1.3		0.16	1.6	%	0.5	<RDL	0.19	1.85	%
p-2.00(less than) *	12.9		0.16	1.6	%	5.1		0.19	1.85	%
Sand *	25.2		0.16	1.6	%	51.2		0.19	1.85	%
Silt *	26.4		0.8	1.6	%	27.8		0.93	1.85	%
M=CV EPA 9030B/SM4500-S2-D (330V0)										
Total Sulfide	12.5	G	0.91	3.63	mg/Kg	224	G	25	96.7	mg/Kg
M=CV EPA 9060-PSEP96(337V3)										
Total Organic Carbon	10700		2000	3960	mg/Kg	24400		3500	6890	mg/Kg
M=CV SM2540-G (307V2)										
Total Volatile Solids	4.81		0.0091	0.0181	%	7.04		0.0097	0.0193	%
M=CV SM2540-G (307V3)										
Total Solids *	55.1		0.005	0.01	%	51.7		0.005	0.01	%
M=CV SM4500-NH3-G(332V1)KCL										
Ammonia Nitrogen	1.51		0.18	0.363	mg/Kg	3.33		0.19	0.371	mg/Kg
M=MT CVAA EPA 7471B (604V4)										
Mercury, Total, CVAA	0.167	E	0.0091	0.0904	mg/Kg	0.447	E	0.0097	0.0959	mg/Kg
M=MT ICP EPA3050B/6010C MOD(612V3)										
Antimony, Total, ICP		<MDL,G	1.3	6.55	mg/Kg		<MDL,G	1.4	7.2	mg/Kg
Arsenic, Total, ICP	10	<RDL	2.2	10.9	mg/Kg	9.3	<RDL	2.3	12	mg/Kg
Cadmium, Total, ICP	0.34	<RDL	0.17	0.873	mg/Kg	0.77	<RDL	0.19	0.959	mg/Kg
Chromium, Total, ICP	70.6		0.25	1.31	mg/Kg	43.7		0.29	1.44	mg/Kg
Copper, Total, ICP	53.7		0.34	1.75	mg/Kg	53.6		0.39	1.92	mg/Kg
Lead, Total, ICP	29.8		1.7	8.73	mg/Kg	88.2		1.9	9.59	mg/Kg
Nickel, Total, ICP	77.9		0.44	2.18	mg/Kg	42.6		0.48	2.4	mg/Kg
Silver, Total, ICP	0.85	<RDL	0.34	1.75	mg/Kg	2.84		0.39	1.92	mg/Kg
Zinc, Total, ICP	117		0.44	2.18	mg/Kg	127		0.48	2.4	mg/Kg
M=OR EPA 3550B/8270C (7-3-01-004)										
1,2,4-Trichlorobenzene		<MDL	0.18	0.363	ug/Kg		<MDL	0.19	0.387	ug/Kg
1,2-Dichlorobenzene		<MDL	0.36	0.726	ug/Kg	1.09		0.39	0.774	ug/Kg
1,3-Dichlorobenzene		<MDL	0.36	0.726	ug/Kg		<MDL	0.39	0.774	ug/Kg
1,4-Dichlorobenzene	1.46		0.36	0.726	ug/Kg	12.7		0.39	0.774	ug/Kg
2,4-Dimethylphenol		<MDL	1.8	3.63	ug/Kg		<MDL	1.9	3.87	ug/Kg
2-Methylnaphthalene	9.33		3.6	7.26	ug/Kg	18.2		3.9	7.74	ug/Kg
2-Methylphenol		<MDL	3.6	7.26	ug/Kg		<MDL	3.9	7.74	ug/Kg

Table B-3. 2008 Sediment Chemistry Results, Post Operation Year Three Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-16 Sampled: 04/01/08 9:20:00 AM Lab ID: L45313-16 Dry Weight Basis					Locator: DWMP-08 Sampled: 03/31/08 11:55:00 AM Lab ID: L45313-17 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
4-Methylphenol		<MDL	7.3	14.5	ug/Kg	48.5		7.7	15.5	ug/Kg
Acenaphthene	8.35		3.6	7.26	ug/Kg	15.6		3.9	7.74	ug/Kg
Acenaphthylene	7.3	<RDL	3.6	7.26	ug/Kg	10.7		3.9	7.74	ug/Kg
Anthracene	46.3		3.6	7.26	ug/Kg	71.4		3.9	7.74	ug/Kg
Benzo(a)anthracene	96.2		3.6	7.26	ug/Kg	180		3.9	7.74	ug/Kg
Benzo(a)pyrene	114		3.6	7.26	ug/Kg	209		3.9	7.74	ug/Kg
Benzo(b)fluoranthene	129		3.6	7.26	ug/Kg	236		3.9	7.74	ug/Kg
Benzo(g,h,i)perylene	46.3		3.6	7.26	ug/Kg	98.5		3.9	7.74	ug/Kg
Benzo(k)fluoranthene	118		3.6	7.26	ug/Kg	188		3.9	7.74	ug/Kg
Benzoic Acid	118		18	36.3	ug/Kg	139		19	38.7	ug/Kg
Benzyl Alcohol		<MDL	3.6	7.26	ug/Kg		<MDL	3.9	7.74	ug/Kg
Benzyl Butyl Phthalate	23.4	B	1.8	3.63	ug/Kg	48	B	1.9	3.87	ug/Kg
Bis(2-Ethylhexyl)Phthalate	122	B,E	7.3	14.5	ug/Kg	567	B,E	7.7	15.5	ug/Kg
Caffeine		<MDL	7.3	14.5	ug/Kg		<MDL	7.7	15.5	ug/Kg
Carbazole	15.1		3.6	7.26	ug/Kg	19.9		3.9	7.74	ug/Kg
Chrysene	128		3.6	7.26	ug/Kg	211		3.9	7.74	ug/Kg
Coprostanol		<MDL	73	145	ug/Kg		<MDL	77	155	ug/Kg
Dibenzo(a,h)anthracene	20.1		3.6	7.26	ug/Kg	39.5		3.9	7.74	ug/Kg
Dibenzofuran	4.9	<RDL	3.6	7.26	ug/Kg	10.7		3.9	7.74	ug/Kg
Diethyl Phthalate		<MDL	7.3	14.5	ug/Kg		<MDL	7.7	15.5	ug/Kg
Dimethyl Phthalate		<MDL	7.3	14.5	ug/Kg		<MDL	7.7	15.5	ug/Kg
Di-N-Butyl Phthalate	14	<RDL,B	7.3	14.5	ug/Kg	31.9	B	7.7	15.5	ug/Kg
Di-N-Octyl Phthalate		<MDL	7.3	14.5	ug/Kg		<MDL	7.7	15.5	ug/Kg
Fluoranthene	149		3.6	7.26	ug/Kg	311		3.9	7.74	ug/Kg
Fluorene	13.6		3.6	7.26	ug/Kg	22.1		3.9	7.74	ug/Kg
Hexachlorobenzene		<MDL	0.18	0.363	ug/Kg		<MDL	0.19	0.387	ug/Kg
Hexachlorobutadiene		<MDL	0.91	1.81	ug/Kg		<MDL	0.97	1.93	ug/Kg
Hexachloroethane		<MDL	1.8	3.63	ug/Kg		<MDL	1.9	3.87	ug/Kg
Indeno(1,2,3-Cd)Pyrene	49.4		3.6	7.26	ug/Kg	98.3		3.9	7.74	ug/Kg
Naphthalene	6.2	<RDL	3.6	7.26	ug/Kg	20.7		3.9	7.74	ug/Kg
N-Nitrosodiphenylamine		<MDL	7.3	14.5	ug/Kg		<MDL	7.7	15.5	ug/Kg
Pentachlorophenol		<MDL	18	36.3	ug/Kg		<MDL	19	38.7	ug/Kg
Phenanthrene	94.4		3.6	7.26	ug/Kg	149		3.9	7.74	ug/Kg
Phenol		<MDL	7.3	14.5	ug/Kg	261		7.7	15.5	ug/Kg
Pyrene	138	E	3.6	7.26	ug/Kg	414	E	3.9	7.74	ug/Kg
Total HPAHS	987	E	3.6	7.26	ug/Kg	1990	E	3.9	7.74	ug/Kg
Total LPAHs	185		3.6	7.26	ug/Kg	308		3.9	7.74	ug/Kg
M=OR EPA 8081A/8082 (7-3-03-002)										
4,4'-DDD		<MDL	1.8	3.63	ug/Kg	12.9		1.9	3.87	ug/Kg
4,4'-DDE		<MDL	1.8	3.63	ug/Kg		<MDL	1.9	3.87	ug/Kg
4,4'-DDT		<MDL	1.8	3.63	ug/Kg		<MDL	1.9	3.87	ug/Kg
Aldrin		<MDL	1.8	3.63	ug/Kg		<MDL	1.9	3.87	ug/Kg
Alpha-BHC		<MDL	0.91	1.81	ug/Kg		<MDL	0.97	1.93	ug/Kg
Alpha-Chlordane		<MDL	0.91	1.81	ug/Kg	1.4	<RDL	0.97	1.93	ug/Kg
Beta-BHC		<MDL	0.91	1.81	ug/Kg		<MDL	0.97	1.93	ug/Kg
Delta-BHC		<MDL	0.91	1.81	ug/Kg		<MDL	0.97	1.93	ug/Kg
Dieldrin		<MDL	1.8	3.63	ug/Kg		<MDL	1.9	3.87	ug/Kg
Endosulfan I		<MDL	1.8	3.63	ug/Kg		<MDL	1.9	3.87	ug/Kg
Endosulfan II		<MDL	1.8	3.63	ug/Kg		<MDL	1.9	3.87	ug/Kg
Endosulfan Sulfate		<MDL	1.8	3.63	ug/Kg		<MDL	1.9	3.87	ug/Kg
Endrin		<MDL	1.8	3.63	ug/Kg		<MDL	1.9	3.87	ug/Kg

Table B-3. 2008 Sediment Chemistry Results, Post Operation Year Three Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-16 Sampled: 04/01/08 9:20:00 AM Lab ID: L45313-16 Dry Weight Basis					Locator: DWMP-08 Sampled: 03/31/08 11:55:00 AM Lab ID: L45313-17 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Endrin Aldehyde		<MDL,E	1.8	3.63	ug/Kg		<MDL,E	1.9	3.87	ug/Kg
Gamma-BHC (Lindane)		<MDL	0.91	1.81	ug/Kg		<MDL	0.97	1.93	ug/Kg
Gamma-Chlordane		<MDL	0.91	1.81	ug/Kg	8.38		0.97	1.93	ug/Kg
Heptachlor		<MDL	0.91	1.81	ug/Kg		<MDL	0.97	1.93	ug/Kg
Heptachlor Epoxide		<MDL	0.91	1.81	ug/Kg		<MDL	0.97	1.93	ug/Kg
Methoxychlor		<MDL	9.1	18.1	ug/Kg		<MDL	9.7	19.3	ug/Kg
Toxaphene		<MDL	18	36.3	ug/Kg		<MDL	19	38.7	ug/Kg
M=OR EPA 8081A/8082 (7-3-103-000)										
Aroclor 1016		<MDL,TA	9.3	18.5	ug/Kg		<MDL,TA	50	102	ug/Kg
Aroclor 1221		<MDL	3.6	7.26	ug/Kg		<MDL,TA	10	20.7	ug/Kg
Aroclor 1232		<MDL,TA	15	30.3	ug/Kg		<MDL,TA	99	195	ug/Kg
Aroclor 1242		<MDL,TA	20	40.3	ug/Kg		<MDL,TA	110	219	ug/Kg
Aroclor 1248	18.1		1.8	3.63	ug/Kg	115		1.9	3.87	ug/Kg
Aroclor 1254	52.1		1.8	3.63	ug/Kg	253		1.9	3.87	ug/Kg
Aroclor 1260	39		1.8	3.63	ug/Kg	135		1.9	3.87	ug/Kg
Total Aroclors	109		1.8	3.63	ug/Kg	503		1.9	3.87	ug/Kg
M=OR EPA 8260B (7-3-02-003)										
1,1,2-Trichloroethylene		<MDL	1.8	3.63	ug/Kg		<MDL,H	1.9	3.87	ug/Kg
Ethylbenzene		<MDL	1.8	3.63	ug/Kg		<MDL,H	1.9	3.87	ug/Kg
Tetrachloroethylene		<MDL	1.8	3.63	ug/Kg		<MDL,H	1.9	3.87	ug/Kg
Total Xylenes		<MDL	1.8	3.63	ug/Kg		<MDL,H	1.9	3.87	ug/Kg

* Not converted to dry weight basis for this parameter

Table B-4. 2009 Sediment Chemistry Results, Post Operation Year Four Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-01 Sample: L47904-1 ColDate: 5/4/09 9:40 Dry Weight Basis					Locator: DWMP-02 Sample: L47904-2 ColDate: 5/6/09 9:56 Dry Weight Basis					Locator: DWMP-03 Sample: L47904-3 ColDate: 5/4/09 9:10 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
CV ASTM D422															
Clay*	14.1		1.1	2.17	%	12		0.75	1.5	%	13.5		1.1	2.25	%
Fines*	61.7		1.1	2.17	%	37.6		0.75	1.5	%	56.2		1.1	2.25	%
Gravel*	8		0.22	2.17	%	11.1		0.15	1.5	%	1.6	<RDL	0.22	2.25	%
Sand*	27.6		0.22	2.17	%	45.6		0.15	1.5	%	33.9		0.22	2.25	%
Silt*	47.7		1.1	2.17	%	25.6		0.75	1.5	%	42.7		1.1	2.25	%
p+0.00*	0.9	<RDL	0.22	2.17	%	3.4		0.15	1.5	%	0.8	<RDL	0.22	2.25	%
p+1.00*	1.1		0.22	2.17	%	6.5		0.15	1.5	%	2.3		0.22	2.25	%
p+10.0(equal/more than)*	9.7		1.1	2.17	%	7.5		0.75	1.5	%	6.7		1.1	2.25	%
p+2.00*	2.3		0.22	2.17	%	12.7		0.15	1.5	%	9.1		0.22	2.25	%
p+3.00*	7.5		0.22	2.17	%	10.7		0.15	1.5	%	9.8		0.22	2.25	%
p+4.00*	15.9		0.22	2.17	%	12.2		0.15	1.5	%	11.8		0.22	2.25	%
p+5.00*	24.9		1.1	2.17	%	10.5		0.75	1.5	%	20.2		1.1	2.25	%
p+6.00*	9.7		1.1	2.17	%	6		0.75	1.5	%	6.7		1.1	2.25	%
p+7.00*	8.7		1.1	2.17	%	4.5		0.75	1.5	%	9		1.1	2.25	%
p+8.00*	4.3		1.1	2.17	%	4.5		0.75	1.5	%	6.7		1.1	2.25	%
p+9.00*	4.3		1.1	2.17	%	4.5		0.75	1.5	%	6.7		1.1	2.25	%
p-1.00*	1.3		0.22	2.17	%	2.2		0.15	1.5	%	0.8	<RDL	0.22	2.25	%
p-2.00*	0.6	<RDL	0.22	2.17	%	0.5	<RDL	0.15	1.5	%	0.4	<RDL	0.22	2.25	%
p-2.00(less than)*	6		0.22	2.17	%	8.4		0.15	1.5	%	0.4	<RDL	0.22	2.25	%
CV EPA 9030B/SM4500-S2-D															
Total Sulfide	51.3		5.2	20.9	mg/Kg	0.8	<RDL	0.77	3.07	mg/Kg	7.9		1	4.17	mg/Kg
CV SM2540-G															
Total Solids*	46.6		0.005	0.01	%	63.9		0.005	0.01	%	47.2		0.005	0.01	%
CV SM4500-NH3-G KCL															
Ammonia Nitrogen	6.52		1.1	2.11	mg/Kg	2.33		0.15	0.307	mg/Kg	2.39		0.21	0.419	mg/Kg
CV SW846 9060-PSEP96															
Total Organic Carbon	27500		2600	5060	mg/Kg	10600		2000	4230	mg/Kg	20200		2800	5340	mg/Kg
MT SW846 3050B*SW846 6010C															
Arsenic, Total, ICP	13	<RDL	2.6	13.4	mg/Kg	6.4	<RDL	1.9	9.77	mg/Kg	9.1	<RDL	2.5	13.2	mg/Kg
Cadmium, Total, ICP	1.07	<RDL	0.21	1.07	mg/Kg	0.39	<RDL	0.16	0.781	mg/Kg	0.89	<RDL	0.21	1.06	mg/Kg
Chromium, Total, ICP	50.4		0.32	1.61	mg/Kg	40.5		0.23	1.17	mg/Kg	47.7		0.32	1.58	mg/Kg
Copper, Total, ICP	80.5		0.43	2.14	mg/Kg	44.8		0.31	1.56	mg/Kg	57.6		0.42	2.11	mg/Kg
Lead, Total, ICP	117		2.1	10.7	mg/Kg	50.2		1.6	7.81	mg/Kg	78.8		2.1	10.6	mg/Kg
Silver, Total, ICP	3.8		0.43	2.14	mg/Kg	0.95	<RDL	0.31	1.56	mg/Kg	2.18		0.42	2.11	mg/Kg
Zinc, Total, ICP	153		0.54	2.68	mg/Kg	87.2		0.39	1.96	mg/Kg	112		0.53	2.65	mg/Kg
MT SW846 7471B															
Mercury, Total, CVAA	0.794		0.011	0.108	mg/Kg	0.282		0.0077	0.0768	mg/Kg	0.487		0.01	0.104	mg/Kg
OR EPA 3550B/8270C (7-3-01-004)															
1,2,4-Trichlorobenzene		<MDL	0.21	0.429	ug/Kg		<MDL	0.16	0.313	ug/Kg		<MDL	0.21	0.424	ug/Kg
1,2-Dichlorobenzene		<MDL	0.43	0.858	ug/Kg		<MDL	0.31	0.626	ug/Kg		<MDL	0.42	0.847	ug/Kg
1,3-Dichlorobenzene		<MDL	0.43	0.858	ug/Kg		<MDL	0.31	0.626	ug/Kg		<MDL	0.42	0.847	ug/Kg
1,4-Dichlorobenzene	5.45		0.43	0.858	ug/Kg	1.94		0.31	0.626	ug/Kg	2.52		0.42	0.847	ug/Kg
2,4-Dimethylphenol		<MDL	2.1	4.29	ug/Kg		<MDL	1.6	3.13	ug/Kg		<MDL	2.1	4.24	ug/Kg
2-Methylnaphthalene	64.6		4.3	8.58	ug/Kg	15.8		3.1	6.26	ug/Kg	16.1		4.2	8.47	ug/Kg
2-Methylphenol		<MDL	4.3	8.58	ug/Kg		<MDL	3.1	6.26	ug/Kg		<MDL	4.2	8.47	ug/Kg
4-Methylphenol	97.9		8.6	17.2	ug/Kg		<MDL	6.3	12.5	ug/Kg		<MDL	8.5	16.9	ug/Kg
Acenaphthene	89.9		4.3	8.58	ug/Kg	23.5		3.1	6.26	ug/Kg	38.3		4.2	8.47	ug/Kg
Acenaphthylene	156		4.3	8.58	ug/Kg	21.3		3.1	6.26	ug/Kg	31.1		4.2	8.47	ug/Kg
Anthracene	697		4.3	8.58	ug/Kg	103		3.1	6.26	ug/Kg	231		4.2	8.47	ug/Kg
Benzo(a)anthracene	1590		4.3	8.58	ug/Kg	260		3.1	6.26	ug/Kg	498		4.2	8.47	ug/Kg
Benzo(a)pyrene	2790		4.3	8.58	ug/Kg	291		3.1	6.26	ug/Kg	532		4.2	8.47	ug/Kg

Table B-4. 2009 Sediment Chemistry Results, Post Operation Year Four Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-01 Sample: L47904-1 ColDate: 5/4/09 9:40 Dry Weight Basis					Locator: DWMP-02 Sample: L47904-2 ColDate: 5/6/09 9:56 Dry Weight Basis					Locator: DWMP-03 Sample: L47904-3 ColDate: 5/4/09 9:10 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Benzo(b)fluoranthene	3300		4.3	8.58	ug/Kg	324		3.1	6.26	ug/Kg	504		4.2	8.47	ug/Kg
Benzo(g,h,i)perylene	1320		4.3	8.58	ug/Kg	213		3.1	6.26	ug/Kg	386		4.2	8.47	ug/Kg
Benzo(k)fluoranthene	2360		4.3	8.58	ug/Kg	263		3.1	6.26	ug/Kg	417		4.2	8.47	ug/Kg
Benzoic Acid	197		21	42.9	ug/Kg	263		16	31.3	ug/Kg	244		21	42.4	ug/Kg
Benzyl Alcohol		<MDL	4.3	8.58	ug/Kg		<MDL	3.1	6.26	ug/Kg		<MDL	4.2	8.47	ug/Kg
Benzyl Butyl Phthalate	147		2.1	4.29	ug/Kg	49.9		1.6	3.13	ug/Kg	61.7		2.1	4.24	ug/Kg
Bis(2-Ethylhexyl)Phthalate	1170		8.6	17.2	ug/Kg	338		6.3	12.5	ug/Kg	771		8.5	16.9	ug/Kg
Caffeine		<MDL	8.6	17.2	ug/Kg		<MDL	6.3	12.5	ug/Kg		<MDL	8.5	16.9	ug/Kg
Carbazole	212		4.3	8.58	ug/Kg	45.5		3.1	6.26	ug/Kg	58.7		4.2	8.47	ug/Kg
Chrysene	2470		4.3	8.58	ug/Kg	305		3.1	6.26	ug/Kg	540		4.2	8.47	ug/Kg
Coprostanol		<MDL	86	172	ug/Kg		<MDL	63	125	ug/Kg		<MDL	85	169	ug/Kg
Di-N-Butyl Phthalate		<MDL	8.6	17.2	ug/Kg	15.3		6.3	12.5	ug/Kg	50		8.5	16.9	ug/Kg
Di-N-Octyl Phthalate		<MDL	8.6	17.2	ug/Kg		<MDL	6.3	12.5	ug/Kg		<MDL	8.5	16.9	ug/Kg
Dibenzo(a,h)anthracene	760		4.3	8.58	ug/Kg	102		3.1	6.26	ug/Kg	168		4.2	8.47	ug/Kg
Dibenzofuran	48.5		4.3	8.58	ug/Kg	12.6		3.1	6.26	ug/Kg	18.5		4.2	8.47	ug/Kg
Diethyl Phthalate		<MDL	8.6	17.2	ug/Kg		<MDL	6.3	12.5	ug/Kg		<MDL	8.5	16.9	ug/Kg
Dimethyl Phthalate		<MDL	8.6	17.2	ug/Kg		<MDL	6.3	12.5	ug/Kg		<MDL	8.5	16.9	ug/Kg
Fluoranthene	2000		4.3	8.58	ug/Kg	407		3.1	6.26	ug/Kg	839		4.2	8.47	ug/Kg
Fluorene	132		4.3	8.58	ug/Kg	25.8		3.1	6.26	ug/Kg	42.8		4.2	8.47	ug/Kg
Hexachlorobenzene		<MDL	0.21	0.429	ug/Kg		<MDL	0.16	0.313	ug/Kg		<MDL	0.21	0.424	ug/Kg
Hexachlorobutadiene		<MDL	1.1	2.15	ug/Kg		<MDL	0.78	1.56	ug/Kg		<MDL	1.1	2.12	ug/Kg
Hexachloroethane		<MDL	2.1	4.29	ug/Kg		<MDL	1.6	3.13	ug/Kg		<MDL	2.1	4.24	ug/Kg
Indeno(1,2,3-Cd)Pyrene	1370		4.3	8.58	ug/Kg	197		3.1	6.26	ug/Kg	352		4.2	8.47	ug/Kg
N-Nitrosodiphenylamine		<MDL	8.6	17.2	ug/Kg		<MDL	6.3	12.5	ug/Kg		<MDL	8.5	16.9	ug/Kg
Naphthalene	59		4.3	8.58	ug/Kg	14.9		3.1	6.26	ug/Kg	17		4.2	8.47	ug/Kg
Pentachlorophenol		<MDL	21	42.9	ug/Kg		<MDL	16	31.3	ug/Kg		<MDL	21	42.4	ug/Kg
Phenanthrene	1140		4.3	8.58	ug/Kg	258		3.1	6.26	ug/Kg	570		4.2	8.47	ug/Kg
Phenol		<MDL	8.6	17.2	ug/Kg		<MDL	6.3	12.5	ug/Kg		<MDL	8.5	16.9	ug/Kg
Pyrene	3820		4.3	8.58	ug/Kg	593		3.1	6.26	ug/Kg	1270		4.2	8.47	ug/Kg
Total 4-Nonylphenol		<MDL	11	21.5	ug/Kg	127		7.8	15.6	ug/Kg		<MDL	11	21.2	ug/Kg
Total HPAHS	18700		4.3	8.58	ug/Kg	2960		3.1	6.26	ug/Kg	5510		4.2	8.47	ug/Kg
Total LPAHs	2060		4.3	8.58	ug/Kg	463		3.1	6.26	ug/Kg	947		4.2	8.47	ug/Kg
OR SW846 3550B*SW846 8081B															
4,4'-DDD		<MDL	2.1	4.29	ug/Kg	3.96		1.6	3.13	ug/Kg		<MDL	2.1	4.24	ug/Kg
4,4'-DDE		<MDL	2.1	4.29	ug/Kg	1.6	<RDL	1.6	3.13	ug/Kg		<MDL	2.1	4.24	ug/Kg
4,4'-DDT		<MDL	2.1	4.29	ug/Kg		<MDL	1.6	3.13	ug/Kg		<MDL	2.1	4.24	ug/Kg
OR SW846 3550B*SW846 8082A															
Aroclor 1016		<MDL,TA	64	130	ug/Kg		<MDL,TA	10	21	ug/Kg		<MDL,TA	51	103	ug/Kg
Aroclor 1221		<MDL	17	34.3	ug/Kg		<MDL	3.1	6.26	ug/Kg		<MDL	8.5	16.9	ug/Kg
Aroclor 1232		<MDL,TA	130	260	ug/Kg		<MDL,TA	25	48.8	ug/Kg		<MDL,TA	95	192	ug/Kg
Aroclor 1242		<MDL,TA	170	335	ug/Kg		<MDL	1.6	3.13	ug/Kg		<MDL,TA	110	212	ug/Kg
Aroclor 1248	158		8.6	17.2	ug/Kg	31.6		1.6	3.13	ug/Kg	97.2		4.2	8.47	ug/Kg
Aroclor 1254	294		8.6	17.2	ug/Kg	112		1.6	3.13	ug/Kg	187		4.2	8.47	ug/Kg
Aroclor 1260	167		8.6	17.2	ug/Kg	68.9		1.6	3.13	ug/Kg	122		4.2	8.47	ug/Kg
Total Aroclors	618		8.6	17.2	ug/Kg	213		1.6	3.13	ug/Kg	407		4.2	8.47	ug/Kg

* Not converted to dry weight basis

Table B-4. 2009 Sediment Chemistry Results, Post Operation Year Four Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-04 Sample: L47904-4 ColDate: 5/6/09 9:37 Dry Weight Basis					Locator: DWMP-05 Sample: L47904-5 ColDate: 5/4/09 10:12 Dry Weight Basis					Locator: DWMP-06 Sample: L47904-6 ColDate: 5/6/09 9:02 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
CV ASTM D422															
Clay*	13.9		0.99	1.98	%	3.7		0.61	1.23	%	8.4		1	2.09	%
Fines*	53.5		0.99	1.98	%	7.4		0.61	1.23	%	31.3		1	2.09	%
Gravel*	15.9		0.2	1.98	%	53.5		0.12	1.23	%	4.2		0.21	2.09	%
Sand*	29.3		0.2	1.98	%	36.4		0.12	1.23	%	59.5		0.21	2.09	%
Silt*	39.7		0.99	1.98	%	3.7		0.61	1.23	%	23		1	2.09	%
p+0.00*	2.8		0.2	1.98	%	9.9		0.12	1.23	%	1.5		0.21	2.09	%
p+1.00*	3.8		0.2	1.98	%	8		0.12	1.23	%	10.2		0.21	2.09	%
p+10.0(equal/more than)*	9.9		0.99	1.98	%	2.5		0.61	1.23	%	6.3		1	2.09	%
p+2.00*	7.9		0.2	1.98	%	9.5		0.12	1.23	%	32.3		0.21	2.09	%
p+3.00*	7.2		0.2	1.98	%	5.8		0.12	1.23	%	11.6		0.21	2.09	%
p+4.00*	7.7		0.2	1.98	%	3.1		0.12	1.23	%	4.1		0.21	2.09	%
p+5.00*	7.9		0.99	1.98	%	0.6	<RDL	0.61	1.23	%	10.4		1	2.09	%
p+6.00*	15.9		0.99	1.98	%	0.6	<RDL	0.61	1.23	%	2.1		1	2.09	%
p+7.00*	9.9		0.99	1.98	%	1.2		0.61	1.23	%	4.2		1	2.09	%
p+8.00*	5.9		0.99	1.98	%	1.2		0.61	1.23	%	6.3		1	2.09	%
p+9.00*	4		0.99	1.98	%	1.2		0.61	1.23	%	2.1		1	2.09	%
p-1.00*	3		0.2	1.98	%	19.1		0.12	1.23	%	1.6		0.21	2.09	%
p-2.00*	0.3	<RDL	0.2	1.98	%	7.1		0.12	1.23	%	0.4	<RDL	0.21	2.09	%
p-2.00(less than)*	12.5		0.2	1.98	%	27.3		0.12	1.23	%	2.2		0.21	2.09	%
CV EPA 9030B/SM4500-S2-D															
Total Sulfide	4.22		0.96	3.83	mg/Kg	45.9		3.4	13.3	mg/Kg	16.6		1	4.11	mg/Kg
CV SM2540-G															
Total Solids*	50.9		0.005	0.01	%	71.3		0.005	0.01	%	47.4		0.005	0.01	%
CV SM4500-NH3-G KCL															
Ammonia Nitrogen	1.81		0.2	0.393	mg/Kg	6.58		0.7	1.39	mg/Kg	2.55		0.21	0.414	mg/Kg
CV SW846 9060-PSEP96															
Total Organic Carbon	12900		2000	4010	mg/Kg	15400		3100	6210	mg/Kg	16600		2000	4050	mg/Kg
MT SW846 3050B*SW846 6010C															
Arsenic, Total, ICP	11	<RDL	2.4	12.2	mg/Kg	5	<RDL	1.7	8.74	mg/Kg	7.4	<RDL	2.5	13.2	mg/Kg
Cadmium, Total, ICP	0.49	<RDL	0.2	0.98	mg/Kg	0.35	<RDL	0.14	0.7	mg/Kg	0.34	<RDL	0.21	1.05	mg/Kg
Chromium, Total, ICP	48.7		0.29	1.47	mg/Kg	17		0.21	1.05	mg/Kg	33.5		0.32	1.58	mg/Kg
Copper, Total, ICP	48.1		0.39	1.96	mg/Kg	32.4		0.28	1.4	mg/Kg	37.6		0.42	2.11	mg/Kg
Lead, Total, ICP	44.8		2	9.8	mg/Kg	28.5		1.4	7	mg/Kg	30.8		2.1	10.5	mg/Kg
Silver, Total, ICP	0.79	<RDL	0.39	1.96	mg/Kg		<MDL	0.28	1.4	mg/Kg	0.53	<RDL	0.42	2.11	mg/Kg
Zinc, Total, ICP	94.1		0.49	2.46	mg/Kg	62.4		0.35	1.75	mg/Kg	82.9		0.53	2.64	mg/Kg
MT SW846 7471B															
Mercury, Total, CVAA	0.318		0.0094	0.0951	mg/Kg	0.133		0.007	0.0705	mg/Kg	0.189		0.01	0.101	mg/Kg
OR EPA 3550B/8270C (7-3-01-004)															
1,2,4-Trichlorobenzene		<MDL	0.2	0.393	ug/Kg		<MDL	0.14	0.281	ug/Kg		<MDL	0.21	0.422	ug/Kg
1,2-Dichlorobenzene		<MDL	0.39	0.786	ug/Kg		<MDL	0.28	0.561	ug/Kg		<MDL	0.42	0.844	ug/Kg
1,3-Dichlorobenzene		<MDL	0.39	0.786	ug/Kg		<MDL	0.28	0.561	ug/Kg		<MDL	0.42	0.844	ug/Kg
1,4-Dichlorobenzene		<MDL	0.39	0.786	ug/Kg	1.78		0.28	0.561	ug/Kg	3.99		0.42	0.844	ug/Kg
2,4-Dimethylphenol		<MDL	2	3.93	ug/Kg		<MDL	1.4	2.81	ug/Kg		<MDL	2.1	4.22	ug/Kg
2-Methylnaphthalene	14.8		3.9	7.86	ug/Kg	10.9		2.8	5.61	ug/Kg	7.6	<RDL	4.2	8.44	ug/Kg
2-Methylphenol		<MDL	3.9	7.86	ug/Kg		<MDL	2.8	5.61	ug/Kg		<MDL	4.2	8.44	ug/Kg
4-Methylphenol		<MDL	7.9	15.7	ug/Kg	20.3		5.6	11.2	ug/Kg		<MDL	8.4	16.9	ug/Kg
Acenaphthene	12.4		3.9	7.86	ug/Kg	12.6		2.8	5.61	ug/Kg	10.1		4.2	8.44	ug/Kg
Acenaphthylene	18.4		3.9	7.86	ug/Kg	42.5		2.8	5.61	ug/Kg	14.3		4.2	8.44	ug/Kg
Anthracene	71.1		3.9	7.86	ug/Kg	394		2.8	5.61	ug/Kg	68.8		4.2	8.44	ug/Kg
Benzo(a)anthracene	180		3.9	7.86	ug/Kg	2080		2.8	5.61	ug/Kg	174		4.2	8.44	ug/Kg
Benzo(a)pyrene	218		3.9	7.86	ug/Kg	1630		2.8	5.61	ug/Kg	192		4.2	8.44	ug/Kg

Table B-4. 2009 Sediment Chemistry Results, Post Operation Year Four Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-04 Sample: L47904-4 ColDate: 5/6/09 9:37 Dry Weight Basis					Locator: DWMP-05 Sample: L47904-5 ColDate: 5/4/09 10:12 Dry Weight Basis					Locator: DWMP-06 Sample: L47904-6 ColDate: 5/6/09 9:02 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Benzo(b)fluoranthene	216		3.9	7.86	ug/Kg	1810		2.8	5.61	ug/Kg	177		4.2	8.44	ug/Kg
Benzo(g,h,i)perylene	166		3.9	7.86	ug/Kg	558		2.8	5.61	ug/Kg	136		4.2	8.44	ug/Kg
Benzo(k)fluoranthene	202		3.9	7.86	ug/Kg	1430		2.8	5.61	ug/Kg	188		4.2	8.44	ug/Kg
Benzoic Acid	224		20	39.3	ug/Kg	99		14	28.1	ug/Kg	127		21	42.2	ug/Kg
Benzyl Alcohol		<MDL	3.9	7.86	ug/Kg		<MDL	2.8	5.61	ug/Kg		<MDL	4.2	8.44	ug/Kg
Benzyl Butyl Phthalate	21.6		2	3.93	ug/Kg	27.2		1.4	2.81	ug/Kg	40.5		2.1	4.22	ug/Kg
Bis(2-Ethylhexyl)Phthalate	184	B2	7.9	15.7	ug/Kg	247		5.6	11.2	ug/Kg	1420		8.4	16.9	ug/Kg
Caffeine		<MDL	7.9	15.7	ug/Kg		<MDL	5.6	11.2	ug/Kg		<MDL	8.4	16.9	ug/Kg
Carbazole	29.7		3.9	7.86	ug/Kg	71.5		2.8	5.61	ug/Kg	21.9		4.2	8.44	ug/Kg
Chrysene	200		3.9	7.86	ug/Kg	2160		2.8	5.61	ug/Kg	215		4.2	8.44	ug/Kg
Coprostanol		<MDL	79	157	ug/Kg		<MDL	56	112	ug/Kg		<MDL	84	169	ug/Kg
Di-N-Butyl Phthalate	18.4		7.9	15.7	ug/Kg	21.6		5.6	11.2	ug/Kg	19.9		8.4	16.9	ug/Kg
Di-N-Octyl Phthalate		<MDL	7.9	15.7	ug/Kg		<MDL	5.6	11.2	ug/Kg		<MDL	8.4	16.9	ug/Kg
Dibenzo(a,h)anthracene	66.6		3.9	7.86	ug/Kg	318		2.8	5.61	ug/Kg	50.6		4.2	8.44	ug/Kg
Dibenzofuran	8.43		3.9	7.86	ug/Kg	13.5		2.8	5.61	ug/Kg	7	<RDL	4.2	8.44	ug/Kg
Diethyl Phthalate		<MDL	7.9	15.7	ug/Kg		<MDL	5.6	11.2	ug/Kg		<MDL	8.4	16.9	ug/Kg
Dimethyl Phthalate		<MDL	7.9	15.7	ug/Kg		<MDL	5.6	11.2	ug/Kg		<MDL	8.4	16.9	ug/Kg
Fluoranthene	253		3.9	7.86	ug/Kg	3410		2.8	5.61	ug/Kg	217		4.2	8.44	ug/Kg
Fluorene	18.4		3.9	7.86	ug/Kg	47.8		2.8	5.61	ug/Kg	16.6		4.2	8.44	ug/Kg
Hexachlorobenzene		<MDL	0.2	0.393	ug/Kg		<MDL	0.14	0.281	ug/Kg		<MDL	0.21	0.422	ug/Kg
Hexachlorobutadiene		<MDL	0.98	1.96	ug/Kg		<MDL	0.7	1.4	ug/Kg		<MDL	1.1	2.11	ug/Kg
Hexachloroethane		<MDL	2	3.93	ug/Kg		<MDL	1.4	2.81	ug/Kg		<MDL	2.1	4.22	ug/Kg
Indeno(1,2,3-Cd)Pyrene	147		3.9	7.86	ug/Kg	586		2.8	5.61	ug/Kg	121		4.2	8.44	ug/Kg
N-Nitrosodiphenylamine		<MDL	7.9	15.7	ug/Kg		<MDL	5.6	11.2	ug/Kg		<MDL	8.4	16.9	ug/Kg
Naphthalene	11.5		3.9	7.86	ug/Kg	11.1		2.8	5.61	ug/Kg	8.46		4.2	8.44	ug/Kg
Pentachlorophenol		<MDL	20	39.3	ug/Kg	32.3		14	28.1	ug/Kg		<MDL	21	42.2	ug/Kg
Phenanthrene	141		3.9	7.86	ug/Kg	307		2.8	5.61	ug/Kg	121		4.2	8.44	ug/Kg
Phenol		<MDL	7.9	15.7	ug/Kg		<MDL	5.6	11.2	ug/Kg		<MDL	8.4	16.9	ug/Kg
Pyrene	342		3.9	7.86	ug/Kg	2380		2.8	5.61	ug/Kg	287		4.2	8.44	ug/Kg
Total 4-Nonylphenol	112		9.8	19.6	ug/Kg		<MDL	7	14	ug/Kg	96.2		11	21.1	ug/Kg
Total HPAHS	1980		3.9	7.86	ug/Kg	16500		2.8	5.61	ug/Kg	1760		4.2	8.44	ug/Kg
Total LPAHs	287		3.9	7.86	ug/Kg	1140		2.8	5.61	ug/Kg	247		4.2	8.44	ug/Kg
OR SW846 3550B*SW846 8081B															
4,4'-DDD	2	<RDL	2	3.93	ug/Kg		<MDL	1.4	2.81	ug/Kg		<MDL	2.1	4.22	ug/Kg
4,4'-DDE		<MDL	2	3.93	ug/Kg		<MDL	1.4	2.81	ug/Kg		<MDL	2.1	4.22	ug/Kg
4,4'-DDT		<MDL	2	3.93	ug/Kg		<MDL	1.4	2.81	ug/Kg		<MDL	2.1	4.22	ug/Kg
OR SW846 3550B*SW846 8082A															
Aroclor 1016		<MDL,TA	12	24.8	ug/Kg		<MDL,TA	14	29.5	ug/Kg		<MDL,TA	5.1	10.1	ug/Kg
Aroclor 1221		<MDL	3.9	7.86	ug/Kg		<MDL	2.8	5.61	ug/Kg		<MDL	4.2	8.44	ug/Kg
Aroclor 1232		<MDL	22	44.4	ug/Kg		<MDL,TA	24	46.8	ug/Kg		<MDL	4.2	8.44	ug/Kg
Aroclor 1242		<MDL	18	35.2	ug/Kg		<MDL	1.4	2.81	ug/Kg		<MDL	2.1	4.22	ug/Kg
Aroclor 1248	25		2	3.93	ug/Kg	28.3		1.4	2.81	ug/Kg	12.1		2.1	4.22	ug/Kg
Aroclor 1254	66.4		2	3.93	ug/Kg	58.1		1.4	2.81	ug/Kg	30.8		2.1	4.22	ug/Kg
Aroclor 1260	56		2	3.93	ug/Kg	19.2		1.4	2.81	ug/Kg	26.4		2.1	4.22	ug/Kg
Total Aroclors	147		2	3.93	ug/Kg	106		1.4	2.81	ug/Kg	69.4		2.1	4.22	ug/Kg

* Not converted to dry weight basis

Table B-4. 2009 Sediment Chemistry Results, Post Operation Year Four Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-07 Sample: L47904-7 ColDate: 5/6/09 9:20 Dry Weight Basis					Locator: DWMP-08 Sample: L47904-8 ColDate: 5/4/09 13:00 Dry Weight Basis					Locator: DWMP-09 Sample: L47904-9 ColDate: 5/4/09 13:55 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
CV ASTM D422															
Clay*	7.6		0.76	1.51	%	11.6		1.1	2.1	%	16		1.1	2.13	%
Fines*	21.2		0.76	1.51	%	44.1		1.1	2.1	%	62.9		1.1	2.13	%
Gravel*	18		0.15	1.51	%	5.7		0.21	2.1	%	1.9		0.21	2.13	%
Sand*	52.2		0.15	1.51	%	48.2		0.21	2.1	%	27.8		0.21	2.13	%
Silt*	13.6		0.76	1.51	%	32.6		1.1	2.1	%	46.9		1.1	2.13	%
p+0.00*	4.2		0.15	1.51	%	3.4		0.21	2.1	%	1.2		0.21	2.13	%
p+1.00*	7.5		0.15	1.51	%	6.6		0.21	2.1	%	2.1		0.21	2.13	%
p+10.0(equal/more than)*	4.5		0.76	1.51	%	8.4		1.1	2.1	%	11.7		1.1	2.13	%
p+2.00*	20.3		0.15	1.51	%	16.7		0.21	2.1	%	4.7		0.21	2.13	%
p+3.00*	13.2		0.15	1.51	%	12		0.21	2.1	%	9.1		0.21	2.13	%
p+4.00*	7		0.15	1.51	%	9.6		0.21	2.1	%	10.8		0.21	2.13	%
p+5.00*	6		0.76	1.51	%	18.9		1.1	2.1	%	12.8		1.1	2.13	%
p+6.00*	3		0.76	1.51	%	4.2		1.1	2.1	%	17.1		1.1	2.13	%
p+7.00*	1.5		0.76	1.51	%	4.2		1.1	2.1	%	12.8		1.1	2.13	%
p+8.00*	3		0.76	1.51	%	5.3		1.1	2.1	%	4.3		1.1	2.13	%
p+9.00*	3		0.76	1.51	%	3.2		1.1	2.1	%	4.3		1.1	2.13	%
p-1.00*	5.4		0.15	1.51	%	3.3		0.21	2.1	%	1.6		0.21	2.13	%
p-2.00*	1.3		0.15	1.51	%	0.3	<RDL	0.21	2.1	%	0.21	<RDL	0.21	2.13	%
p-2.00(less than)*	11.3		0.15	1.51	%	2.1		0.21	2.1	%		<MDL	0.21	2.13	%
CV EPA 9030B/SM4500-S2-D															
Total Sulfide	2	<RDL	0.81	3.25	mg/Kg	103		4.8	19	mg/Kg	13.6		1.1	4.39	mg/Kg
CV SM2540-G															
Total Solids*	59.3		0.005	0.01	%	51.7	SH	0.005	0.01	%	43.7		0.005	0.01	%
CV SM4500-NH3-G KCL															
Ammonia Nitrogen	2.16		0.17	0.337	mg/Kg	4.66		0.95	1.91	mg/Kg	2.1		0.22	0.449	mg/Kg
CV SW846 9060-PSEP96															
Total Organic Carbon	14600		1900	3690	mg/Kg	28200	SH	2300	4740	mg/Kg	18800		2000	3960	mg/Kg
MT SW846 3050B*SW846 6010C															
Arsenic, Total, ICP	6.7	<RDL	2	10.5	mg/Kg	7.9	<RDL	2.3	12.1	mg/Kg	11	<RDL	2.7	14.3	mg/Kg
Cadmium, Total, ICP	0.29	<RDL	0.17	0.841	mg/Kg	0.85	<RDL	0.19	0.963	mg/Kg	0.92	<RDL	0.23	1.14	mg/Kg
Chromium, Total, ICP	31.2		0.25	1.26	mg/Kg	33.7		0.29	1.45	mg/Kg	63.2		0.34	1.71	mg/Kg
Copper, Total, ICP	33.4		0.34	1.68	mg/Kg	66.2		0.39	1.93	mg/Kg	109		0.46	2.29	mg/Kg
Lead, Total, ICP	29.3		1.7	8.41	mg/Kg	68.7		1.9	9.63	mg/Kg	88.3		2.3	11.4	mg/Kg
Silver, Total, ICP	0.81	<RDL	0.34	1.68	mg/Kg	2.07		0.39	1.93	mg/Kg	3.14		0.46	2.29	mg/Kg
Zinc, Total, ICP	66.3		0.42	2.11	mg/Kg	100		0.48	2.42	mg/Kg	121		0.57	2.86	mg/Kg
MT SW846 7471B															
Mercury, Total, CVAA	0.29		0.0083	0.0833	mg/Kg	0.47		0.0093	0.0936	mg/Kg	1.7		0.023	0.225	mg/Kg
OR EPA 3550B/8270C (7-3-01-004)															
1,2,4-Trichlorobenzene		<MDL	0.17	0.337	ug/Kg		<MDL	0.19	0.387	ug/Kg		<MDL	0.23	0.458	ug/Kg
1,2-Dichlorobenzene		<MDL	0.34	0.675	ug/Kg		<MDL	0.39	0.774	ug/Kg		<MDL	0.46	0.915	ug/Kg
1,3-Dichlorobenzene		<MDL	0.34	0.675	ug/Kg		<MDL	0.39	0.774	ug/Kg		<MDL	0.46	0.915	ug/Kg
1,4-Dichlorobenzene	1.69		0.34	0.675	ug/Kg	8.78		0.39	0.774	ug/Kg		<MDL	0.46	0.915	ug/Kg
2,4-Dimethylphenol		<MDL	1.7	3.37	ug/Kg		<MDL	1.9	3.87	ug/Kg		<MDL	2.3	4.58	ug/Kg
2-Methylnaphthalene	6.6	<RDL	3.4	6.75	ug/Kg	17.4		3.9	7.74	ug/Kg	22.9		4.6	9.15	ug/Kg
2-Methylphenol		<MDL	3.4	6.75	ug/Kg		<MDL	3.9	7.74	ug/Kg		<MDL	4.6	9.15	ug/Kg
4-Methylphenol		<MDL	6.7	13.5	ug/Kg	18.2		7.7	15.5	ug/Kg		<MDL	9.2	18.3	ug/Kg
Acenaphthene	8.65		3.4	6.75	ug/Kg	23.6		3.9	7.74	ug/Kg	26.3		4.6	9.15	ug/Kg
Acenaphthylene	13.9		3.4	6.75	ug/Kg	35.4		3.9	7.74	ug/Kg	26.5		4.6	9.15	ug/Kg
Anthracene	77.7		3.4	6.75	ug/Kg	146		3.9	7.74	ug/Kg	120		4.6	9.15	ug/Kg
Benzo(a)anthracene	166		3.4	6.75	ug/Kg	503		3.9	7.74	ug/Kg	295		4.6	9.15	ug/Kg
Benzo(a)pyrene	162		3.4	6.75	ug/Kg	511		3.9	7.74	ug/Kg	373		4.6	9.15	ug/Kg

Table B-4. 2009 Sediment Chemistry Results, Post Operation Year Four Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-07 Sample: L47904-7 ColDate: 5/6/09 9:20 Dry Weight Basis					Locator: DWMP-08 Sample: L47904-8 ColDate: 5/4/09 13:00 Dry Weight Basis					Locator: DWMP-09 Sample: L47904-9 ColDate: 5/4/09 13:55 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Benzo(b)fluoranthene	170		3.4	6.75	ug/Kg	404		3.9	7.74	ug/Kg	352		4.6	9.15	ug/Kg
Benzo(g,h,i)perylene	117		3.4	6.75	ug/Kg	348		3.9	7.74	ug/Kg	270		4.6	9.15	ug/Kg
Benzo(k)fluoranthene	160		3.4	6.75	ug/Kg	348		3.9	7.74	ug/Kg	357		4.6	9.15	ug/Kg
Benzoic Acid	113		17	33.7	ug/Kg	167		19	38.7	ug/Kg	228		23	45.8	ug/Kg
Benzyl Alcohol		<MDL	3.4	6.75	ug/Kg		<MDL	3.9	7.74	ug/Kg		<MDL	4.6	9.15	ug/Kg
Benzyl Butyl Phthalate	18		1.7	3.37	ug/Kg	40.8		1.9	3.87	ug/Kg	83.3		2.3	4.58	ug/Kg
Bis(2-Ethylhexyl)Phthalate	207		6.7	13.5	ug/Kg	660		7.7	15.5	ug/Kg	890		9.2	18.3	ug/Kg
Caffeine		<MDL	6.7	13.5	ug/Kg		<MDL	7.7	15.5	ug/Kg		<MDL	9.2	18.3	ug/Kg
Carbazole	30		3.4	6.75	ug/Kg	47.6		3.9	7.74	ug/Kg	46.7		4.6	9.15	ug/Kg
Chrysene	218		3.4	6.75	ug/Kg	466		3.9	7.74	ug/Kg	330		4.6	9.15	ug/Kg
Coprostanol		<MDL	67	135	ug/Kg		<MDL	77	155	ug/Kg		<MDL	92	183	ug/Kg
Di-N-Butyl Phthalate	12	<RDL	6.7	13.5	ug/Kg	42.6		7.7	15.5	ug/Kg	314		9.2	18.3	ug/Kg
Di-N-Octyl Phthalate		<MDL	6.7	13.5	ug/Kg		<MDL	7.7	15.5	ug/Kg		<MDL	9.2	18.3	ug/Kg
Dibenzo(a,h)anthracene	45.4		3.4	6.75	ug/Kg	136		3.9	7.74	ug/Kg	124		4.6	9.15	ug/Kg
Dibenzofuran	6.6	<RDL	3.4	6.75	ug/Kg	17.4		3.9	7.74	ug/Kg	14.3		4.6	9.15	ug/Kg
Diethyl Phthalate		<MDL	6.7	13.5	ug/Kg		<MDL	7.7	15.5	ug/Kg		<MDL	9.2	18.3	ug/Kg
Dimethyl Phthalate		<MDL	6.7	13.5	ug/Kg		<MDL	7.7	15.5	ug/Kg		<MDL	9.2	18.3	ug/Kg
Fluoranthene	287		3.4	6.75	ug/Kg	646		3.9	7.74	ug/Kg	430		4.6	9.15	ug/Kg
Fluorene	18.9		3.4	6.75	ug/Kg	36		3.9	7.74	ug/Kg	30.9		4.6	9.15	ug/Kg
Hexachlorobenzene		<MDL	0.17	0.337	ug/Kg		<MDL	0.19	0.387	ug/Kg		<MDL	0.23	0.458	ug/Kg
Hexachlorobutadiene		<MDL	0.84	1.69	ug/Kg		<MDL	0.97	1.93	ug/Kg		<MDL	1.1	2.29	ug/Kg
Hexachloroethane		<MDL	1.7	3.37	ug/Kg		<MDL	1.9	3.87	ug/Kg		<MDL	2.3	4.58	ug/Kg
Indeno(1,2,3-Cd)Pyrene	105		3.4	6.75	ug/Kg	279		3.9	7.74	ug/Kg	245		4.6	9.15	ug/Kg
N-Nitrosodiphenylamine		<MDL	6.7	13.5	ug/Kg		<MDL	7.7	15.5	ug/Kg		<MDL	9.2	18.3	ug/Kg
Naphthalene	7.44		3.4	6.75	ug/Kg	16.3		3.9	7.74	ug/Kg	19.3		4.6	9.15	ug/Kg
Pentachlorophenol		<MDL	17	33.7	ug/Kg		<MDL	19	38.7	ug/Kg		<MDL	23	45.8	ug/Kg
Phenanthrene	146		3.4	6.75	ug/Kg	358		3.9	7.74	ug/Kg	288		4.6	9.15	ug/Kg
Phenol		<MDL	6.7	13.5	ug/Kg		<MDL	7.7	15.5	ug/Kg		<MDL	9.2	18.3	ug/Kg
Pyrene	327		3.4	6.75	ug/Kg	905		3.9	7.74	ug/Kg	735		4.6	9.15	ug/Kg
Total 4-Nonylphenol		<MDL	8.4	16.9	ug/Kg	350		9.7	19.3	ug/Kg		<MDL	11	22.9	ug/Kg
Total HPAHS	1750		3.4	6.75	ug/Kg	4550		3.9	7.74	ug/Kg	3500		4.6	9.15	ug/Kg
Total LPAHs	278		3.4	6.75	ug/Kg	632		3.9	7.74	ug/Kg	533		4.6	9.15	ug/Kg
OR SW846 3550B*SW846 8081B															
4,4'-DDD	2.5	<RDL	1.7	3.37	ug/Kg		<MDL	1.9	3.87	ug/Kg		<MDL	2.3	4.58	ug/Kg
4,4'-DDE		<MDL	1.7	3.37	ug/Kg		<MDL	1.9	3.87	ug/Kg		<MDL	2.3	4.58	ug/Kg
4,4'-DDT		<MDL	1.7	3.37	ug/Kg		<MDL	1.9	3.87	ug/Kg		<MDL	2.3	4.58	ug/Kg
OR SW846 3550B*SW846 8082A															
Aroclor 1016		<MDL,TA	5.1	10.1	ug/Kg		<MDL,TA	27	53.8	ug/Kg		<MDL,TA	34	70.9	ug/Kg
Aroclor 1221		<MDL	3.4	6.75	ug/Kg		<MDL	3.9	7.74	ug/Kg		<MDL	4.6	9.15	ug/Kg
Aroclor 1232		<MDL	3.4	6.75	ug/Kg		<MDL,TA	58	115	ug/Kg		<MDL,TA	71	140	ug/Kg
Aroclor 1242		<MDL	1.7	3.37	ug/Kg		<MDL,TA	52	106	ug/Kg		<MDL,TA	66	133	ug/Kg
Aroclor 1248	15.2		1.7	3.37	ug/Kg	57.1		1.9	3.87	ug/Kg	83.8		2.3	4.58	ug/Kg
Aroclor 1254	49.7		1.7	3.37	ug/Kg	112		1.9	3.87	ug/Kg	179		2.3	4.58	ug/Kg
Aroclor 1260	28		1.7	3.37	ug/Kg	71		1.9	3.87	ug/Kg	143		2.3	4.58	ug/Kg
Total Aroclors	92.9		1.7	3.37	ug/Kg	240		1.9	3.87	ug/Kg	405		2.3	4.58	ug/Kg

* Not converted to dry weight basis

Table B-4. 2009 Sediment Chemistry Results, Post Operation Year Four Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-10 Sample: L47904-10 ColDate: 5/4/09 11:20 Dry Weight Basis					Locator: DWMP-11 Sample: L47904-11 ColDate: 5/6/09 8:42 Dry Weight Basis					Locator: DWMP-12 Sample: L47904-12 ColDate: 5/6/09 8:27 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
CV ASTM D422															
Clay*	1.1		0.55	1.1	%	7		0.89	1.78	%	14.3		1.8	3.56	%
Fines*	1.6		0.55	1.1	%	31		0.89	1.78	%	80.2		1.8	3.56	%
Gravel*	27.2		0.11	1.1	%	2.6		0.18	1.78	%	0.6	<RDL	0.36	3.56	%
Sand*	72.4		0.11	1.1	%	63.3		0.18	1.78	%	20.4		0.36	3.56	%
Silt*	0.55	<RDL	0.55	1.1	%	24		0.89	1.78	%	65.9		1.8	3.56	%
p+0.00*	35.8		0.11	1.1	%	1.5		0.18	1.78	%		<MDL	0.36	3.56	%
p+1.00*	25.9		0.11	1.1	%	12.8		0.18	1.78	%	0.4	<RDL	0.36	3.56	%
p+10.0(equal/more than)*	0.55	<RDL	0.55	1.1	%	6.2		0.89	1.78	%	12.5		1.8	3.56	%
p+2.00*	9.2		0.11	1.1	%	31.3		0.18	1.78	%	1.5		0.36	3.56	%
p+3.00*	1.3		0.11	1.1	%	11.5		0.18	1.78	%	8.2		0.36	3.56	%
p+4.00*	0.2	<RDL	0.11	1.1	%	6.3		0.18	1.78	%	10.3		0.36	3.56	%
p+5.00*		<MDL	0.55	1.1	%	12.4		0.89	1.78	%	28.5		1.8	3.56	%
p+6.00*	0.55	<RDL	0.55	1.1	%	3.6		0.89	1.78	%	14.3		1.8	3.56	%
p+7.00*		<MDL	0.55	1.1	%	3.6		0.89	1.78	%	17.8		1.8	3.56	%
p+8.00*		<MDL	0.55	1.1	%	4.4		0.89	1.78	%	5.3		1.8	3.56	%
p+9.00*	0.55	<RDL	0.55	1.1	%	0.83	<RDL	0.89	1.78	%	1.8		1.8	3.56	%
p-1.00*	24.8		0.11	1.1	%	1	<RDL	0.18	1.78	%	0.6	<RDL	0.36	3.56	%
p-2.00*	2		0.11	1.1	%	0.4	<RDL	0.18	1.78	%		<MDL	0.36	3.56	%
p-2.00(less than)*	0.4	<RDL	0.11	1.1	%	1.2		0.18	1.78	%		<MDL	0.36	3.56	%
CV EPA 9030B/SM4500-S2-D															
Total Sulfide		<MDL	0.53	2.1	mg/Kg	2.7	<RDL	0.94	3.75	mg/Kg	65.2		8.8	35.7	mg/Kg
CV SM2540-G															
Total Solids*	92.7		0.005	0.01	%	52.2		0.005	0.01	%	27.3		0.005	0.01	%
CV SM4500-NH3-G KCL															
Ammonia Nitrogen	0.438		0.11	0.214	mg/Kg	1.99		0.19	0.379	mg/Kg	2.99		0.37	0.733	mg/Kg
CV SW846 9060-PSEP96															
Total Organic Carbon		<MDL	490	977	mg/Kg	18800		2100	4410	mg/Kg	30000		2900	5860	mg/Kg
MT SW846 3050B*SW846 6010C															
Arsenic, Total, ICP	2.6	<RDL	1.3	6.72	mg/Kg	7.1	<RDL	2.3	12	mg/Kg	13	<RDL	4.4	22.9	mg/Kg
Cadmium, Total, ICP		<MDL	0.11	0.538	mg/Kg	0.65	<RDL	0.19	0.958	mg/Kg	0.88	<RDL	0.37	1.83	mg/Kg
Chromium, Total, ICP	14.8		0.16	0.807	mg/Kg	28.9		0.29	1.43	mg/Kg	54.2		0.55	2.75	mg/Kg
Copper, Total, ICP	11.9		0.22	1.08	mg/Kg	41.2		0.38	1.91	mg/Kg	62.6		0.73	3.66	mg/Kg
Lead, Total, ICP	2.2	<RDL	1.1	5.38	mg/Kg	44.4		1.9	9.58	mg/Kg	90.5		3.7	18.3	mg/Kg
Silver, Total, ICP		<MDL	0.22	1.08	mg/Kg	1.2	<RDL	0.38	1.91	mg/Kg	2.5	<RDL	0.73	3.66	mg/Kg
Zinc, Total, ICP	24.6		0.27	1.35	mg/Kg	84.7		0.48	2.39	mg/Kg	108		0.92	4.58	mg/Kg
MT SW846 7471B															
Mercury, Total, CVAA	0.013	<RDL	0.0053	0.053	mg/Kg	0.297		0.0096	0.0964	mg/Kg	0.403		0.018	0.183	mg/Kg
OR EPA 3550B/8270C (7-3-01-004)															
1,2,4-Trichlorobenzene		<MDL	0.11	0.216	ug/Kg		<MDL	0.19	0.383	ug/Kg		<MDL	0.37	0.733	ug/Kg
1,2-Dichlorobenzene		<MDL	0.22	0.431	ug/Kg		<MDL	0.38	0.766	ug/Kg		<MDL	0.73	1.47	ug/Kg
1,3-Dichlorobenzene		<MDL	0.22	0.431	ug/Kg		<MDL	0.38	0.766	ug/Kg		<MDL	0.73	1.47	ug/Kg
1,4-Dichlorobenzene		<MDL	0.22	0.431	ug/Kg	4.94		0.38	0.766	ug/Kg		<MDL	0.73	1.47	ug/Kg
2,4-Dimethylphenol		<MDL	1.1	2.16	ug/Kg		<MDL	1.9	3.83	ug/Kg		<MDL	3.7	7.33	ug/Kg
2-Methylnaphthalene		<MDL	2.2	4.31	ug/Kg	13		3.8	7.66	ug/Kg	12	<RDL	7.3	14.7	ug/Kg
2-Methylphenol		<MDL	2.2	4.31	ug/Kg		<MDL	3.8	7.66	ug/Kg		<MDL	7.3	14.7	ug/Kg
4-Methylphenol		<MDL	4.3	8.63	ug/Kg		<MDL	7.7	15.3	ug/Kg		<MDL	15	29.3	ug/Kg
Acenaphthene		<MDL	2.2	4.31	ug/Kg	17.1		3.8	7.66	ug/Kg	15.8		7.3	14.7	ug/Kg
Acenaphthylene		<MDL	2.2	4.31	ug/Kg	17.2		3.8	7.66	ug/Kg	22.8		7.3	14.7	ug/Kg
Anthracene		<MDL	2.2	4.31	ug/Kg	82.8		3.8	7.66	ug/Kg	91.9		7.3	14.7	ug/Kg
Benzo(a)anthracene	3.7	<RDL	2.2	4.31	ug/Kg	172		3.8	7.66	ug/Kg	222		7.3	14.7	ug/Kg
Benzo(a)pyrene	5.23		2.2	4.31	ug/Kg	220		3.8	7.66	ug/Kg	283		7.3	14.7	ug/Kg

Table B-4. 2009 Sediment Chemistry Results, Post Operation Year Four Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-10 Sample: L47904-10 ColDate: 5/4/09 11:20 Dry Weight Basis					Locator: DWMP-11 Sample: L47904-11 ColDate: 5/6/09 8:42 Dry Weight Basis					Locator: DWMP-12 Sample: L47904-12 ColDate: 5/6/09 8:27 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Benzo(b)fluoranthene	5.69		2.2	4.31	ug/Kg	199		3.8	7.66	ug/Kg	275		7.3	14.7	ug/Kg
Benzo(g,h,i)perylene	2.3	<RDL	2.2	4.31	ug/Kg	153		3.8	7.66	ug/Kg	203		7.3	14.7	ug/Kg
Benzo(k)fluoranthene	6.69		2.2	4.31	ug/Kg	220		3.8	7.66	ug/Kg	261		7.3	14.7	ug/Kg
Benzoic Acid		<MDL	11	21.6	ug/Kg	185		19	38.3	ug/Kg	370		37	73.3	ug/Kg
Benzyl Alcohol		<MDL	2.2	4.31	ug/Kg		<MDL	3.8	7.66	ug/Kg		<MDL	7.3	14.7	ug/Kg
Benzyl Butyl Phthalate		<MDL	1.1	2.16	ug/Kg	28.5		1.9	3.83	ug/Kg	38.1		3.7	7.33	ug/Kg
Bis(2-Ethylhexyl)Phthalate	18.3	B	4.3	8.63	ug/Kg	303		7.7	15.3	ug/Kg	513		15	29.3	ug/Kg
Caffeine		<MDL	4.3	8.63	ug/Kg		<MDL	7.7	15.3	ug/Kg		<MDL	15	29.3	ug/Kg
Carbazole		<MDL	2.2	4.31	ug/Kg	29.7		3.8	7.66	ug/Kg	31.3		7.3	14.7	ug/Kg
Chrysene	5.33		2.2	4.31	ug/Kg	234		3.8	7.66	ug/Kg	276		7.3	14.7	ug/Kg
Coprostanol		<MDL	43	86.3	ug/Kg		<MDL	77	153	ug/Kg		<MDL	150	293	ug/Kg
Di-N-Butyl Phthalate		<MDL	4.3	8.63	ug/Kg	15.3	<RDL	7.7	15.3	ug/Kg	29	<RDL	15	29.3	ug/Kg
Di-N-Octyl Phthalate		<MDL	4.3	8.63	ug/Kg		<MDL	7.7	15.3	ug/Kg		<MDL	15	29.3	ug/Kg
Dibenzo(a,h)anthracene		<MDL	2.2	4.31	ug/Kg	58.6		3.8	7.66	ug/Kg	86.4		7.3	14.7	ug/Kg
Dibenzofuran		<MDL	2.2	4.31	ug/Kg	13.3		3.8	7.66	ug/Kg	9.9	<RDL	7.3	14.7	ug/Kg
Diethyl Phthalate		<MDL	4.3	8.63	ug/Kg		<MDL	7.7	15.3	ug/Kg		<MDL	15	29.3	ug/Kg
Dimethyl Phthalate		<MDL	4.3	8.63	ug/Kg		<MDL	7.7	15.3	ug/Kg		<MDL	15	29.3	ug/Kg
Fluoranthene	4.85		2.2	4.31	ug/Kg	291		3.8	7.66	ug/Kg	297		7.3	14.7	ug/Kg
Fluorene		<MDL	2.2	4.31	ug/Kg	22.8		3.8	7.66	ug/Kg	23.4		7.3	14.7	ug/Kg
Hexachlorobenzene		<MDL	0.11	0.216	ug/Kg		<MDL	0.19	0.383	ug/Kg		<MDL	0.37	0.733	ug/Kg
Hexachlorobutadiene		<MDL	0.54	1.08	ug/Kg		<MDL	0.96	1.92	ug/Kg		<MDL	1.8	3.66	ug/Kg
Hexachloroethane		<MDL	1.1	2.16	ug/Kg		<MDL	1.9	3.83	ug/Kg		<MDL	3.7	7.33	ug/Kg
Indeno(1,2,3-Cd)Pyrene		<MDL	2.2	4.31	ug/Kg	140		3.8	7.66	ug/Kg	174		7.3	14.7	ug/Kg
N-Nitrosodiphenylamine		<MDL	4.3	8.63	ug/Kg		<MDL	7.7	15.3	ug/Kg		<MDL	15	29.3	ug/Kg
Naphthalene		<MDL	2.2	4.31	ug/Kg	20.5		3.8	7.66	ug/Kg	12	<RDL	7.3	14.7	ug/Kg
Pentachlorophenol		<MDL	11	21.6	ug/Kg		<MDL	19	38.3	ug/Kg		<MDL	37	73.3	ug/Kg
Phenanthrene		<MDL	2.2	4.31	ug/Kg	166		3.8	7.66	ug/Kg	182		7.3	14.7	ug/Kg
Phenol		<MDL	4.3	8.63	ug/Kg		<MDL	7.7	15.3	ug/Kg		<MDL	15	29.3	ug/Kg
Pyrene	4.41		2.2	4.31	ug/Kg	398		3.8	7.66	ug/Kg	476		7.3	14.7	ug/Kg
Total 4-Nonylphenol		<MDL	5.4	10.8	ug/Kg		<MDL	9.6	19.2	ug/Kg		<MDL	18	36.6	ug/Kg
Total HPAHS	38.1		2.2	4.31	ug/Kg	2090		3.8	7.66	ug/Kg	2550		7.3	14.7	ug/Kg
Total LPAHs	4.57		2.2	4.31	ug/Kg	339		3.8	7.66	ug/Kg	360		7.3	14.7	ug/Kg
OR SW846 3550B*SW846 8081B															
4,4'-DDD		<MDL	1.1	2.16	ug/Kg	3.98		1.9	3.83	ug/Kg		<MDL	3.7	7.33	ug/Kg
4,4'-DDE		<MDL	1.1	2.16	ug/Kg		<MDL	1.9	3.83	ug/Kg		<MDL	3.7	7.33	ug/Kg
4,4'-DDT		<MDL	1.1	2.16	ug/Kg		<MDL	1.9	3.83	ug/Kg		<MDL	3.7	7.33	ug/Kg
OR SW846 3550B*SW846 8082A															
Aroclor 1016		<MDL	1.1	2.16	ug/Kg		<MDL,TA	17	34.9	ug/Kg		<MDL,TA	13	26.7	ug/Kg
Aroclor 1221		<MDL	2.2	4.31	ug/Kg		<MDL	3.8	7.66	ug/Kg		<MDL,TA	7.3	14.7	ug/Kg
Aroclor 1232		<MDL	2.2	4.31	ug/Kg		<MDL,TA	40	82.4	ug/Kg		<MDL	33	66.7	ug/Kg
Aroclor 1242		<MDL	1.1	2.16	ug/Kg		<MDL,TA	34	70.9	ug/Kg		<MDL,TA	28	56.4	ug/Kg
Aroclor 1248		<MDL	1.1	2.16	ug/Kg	37.9		1.9	3.83	ug/Kg	32.9		3.7	7.33	ug/Kg
Aroclor 1254		<MDL	1.1	2.16	ug/Kg	80.3		1.9	3.83	ug/Kg	75.8		3.7	7.33	ug/Kg
Aroclor 1260		<MDL	1.1	2.16	ug/Kg	49		1.9	3.83	ug/Kg	59		3.7	7.33	ug/Kg
Total Aroclors		<MDL	1.1	2.16	ug/Kg	167		1.9	3.83	ug/Kg	167		3.7	7.33	ug/Kg

* Not converted to dry weight basis

Table B-4. 2009 Sediment Chemistry Results, Post Operation Year Four Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-13 Sample: L47904-13 ColDate: 5/4/09 15:00 Dry Weight Basis					Locator: DWMP-14 Sample: L47904-14 ColDate: 5/4/09 14:20 Dry Weight Basis					Locator: DWMP-15 Sample: L47904-15 ColDate: 5/4/09 15:35 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
CV ASTM D422															
Clay*	3.3		0.66	1.31	%	12.9		0.99	1.98	%	17.2		0.82	1.64	%
Fines*	7.2		0.66	1.31	%	58.5		0.99	1.98	%	53.3		0.82	1.64	%
Gravel*	53.1		0.13	1.31	%	0.5	<RDL	0.2	1.98	%	10.9		0.16	1.64	%
Sand*	37.7		0.13	1.31	%	30.6		0.2	1.98	%	29.5		0.16	1.64	%
Silt*	3.9		0.66	1.31	%	45.6		0.99	1.98	%	36.1		0.82	1.64	%
p+0.00*	6.6		0.13	1.31	%	0.2	<RDL	0.2	1.98	%	2.6		0.16	1.64	%
p+1.00*	6.9		0.13	1.31	%	0.6	<RDL	0.2	1.98	%	3.3		0.16	1.64	%
p+10.0(equal/more than)*	3.3		0.66	1.31	%	9.9		0.99	1.98	%	10.7		0.82	1.64	%
p+2.00*	11.9		0.13	1.31	%	1.5		0.2	1.98	%	6.7		0.16	1.64	%
p+3.00*	8.2		0.13	1.31	%	7.1		0.2	1.98	%	7.4		0.16	1.64	%
p+4.00*	4		0.13	1.31	%	21.1		0.2	1.98	%	9.5		0.16	1.64	%
p+5.00*	2.6		0.66	1.31	%	11.9		0.99	1.98	%	8.2		0.82	1.64	%
p+6.00*		<MDL	0.66	1.31	%	20.8		0.99	1.98	%	14.7		0.82	1.64	%
p+7.00*		<MDL	0.66	1.31	%	8.9		0.99	1.98	%	6.6		0.82	1.64	%
p+8.00*	1.3		0.66	1.31	%	4		0.99	1.98	%	6.6		0.82	1.64	%
p+9.00*		<MDL	0.66	1.31	%	3		0.99	1.98	%	6.6		0.82	1.64	%
p-1.00*	15.4		0.13	1.31	%	0.2	<RDL	0.2	1.98	%	3.2		0.16	1.64	%
p-2.00*	6.8		0.13	1.31	%		<MDL	0.2	1.98	%	1.6		0.16	1.64	%
p-2.00(less than)*	30.8		0.13	1.31	%	0.3	<RDL	0.2	1.98	%	6.1		0.16	1.64	%
CV EPA 9030B/SM4500-S2-D															
Total Sulfide	65.1		3.3	13.5	mg/Kg	20.8		0.97	3.85	mg/Kg	13.7		0.86	3.41	mg/Kg
CV SM2540-G															
Total Solids*	72		0.005	0.01	%	50.4		0.005	0.01	%	58.4		0.005	0.01	%
CV SM4500-NH3-G KCL															
Ammonia Nitrogen	5.78		0.68	1.36	mg/Kg	2.52		0.97	1.96	mg/Kg	1.3		0.17	0.336	mg/Kg
CV SW846 9060-PSEP96															
Total Organic Carbon	16100		1900	4000	mg/Kg	17800		2800	5380	mg/Kg	9250		1700	3480	mg/Kg
MT SW846 3050B*SW846 6010C															
Arsenic, Total, ICP	4.7	<RDL	1.7	8.68	mg/Kg	8.9	<RDL	2.4	12.4	mg/Kg	8	<RDL	2.1	10.7	mg/Kg
Cadmium, Total, ICP	0.33	<RDL	0.14	0.694	mg/Kg	0.91	<RDL	0.2	0.99	mg/Kg	0.6	<RDL	0.17	0.853	mg/Kg
Chromium, Total, ICP	19.7		0.21	1.04	mg/Kg	51.6		0.3	1.48	mg/Kg	56.8		0.26	1.28	mg/Kg
Copper, Total, ICP	24.7		0.28	1.39	mg/Kg	73		0.4	1.98	mg/Kg	54.6		0.34	1.71	mg/Kg
Lead, Total, ICP	23.2		1.4	6.94	mg/Kg	102		2	9.9	mg/Kg	52.6		1.7	8.53	mg/Kg
Silver, Total, ICP	0.38	<RDL	0.28	1.39	mg/Kg	4.23		0.4	1.98	mg/Kg	1.82		0.34	1.71	mg/Kg
Zinc, Total, ICP	50.1		0.35	1.74	mg/Kg	117		0.5	2.48	mg/Kg	101		0.43	2.14	mg/Kg
MT SW846 7471B															
Mercury, Total, CVAA	0.124		0.0069	0.0699	mg/Kg	0.688		0.0099	0.0998	mg/Kg	0.61		0.0084	0.0834	mg/Kg
OR EPA 3550B/8270C (7-3-01-004)															
1,2,4-Trichlorobenzene		<MDL	0.14	0.278	ug/Kg		<MDL	0.2	0.397	ug/Kg		<MDL	0.17	0.342	ug/Kg
1,2-Dichlorobenzene		<MDL	0.28	0.556	ug/Kg		<MDL	0.4	0.794	ug/Kg		<MDL	0.34	0.685	ug/Kg
1,3-Dichlorobenzene		<MDL	0.28	0.556	ug/Kg		<MDL	0.4	0.794	ug/Kg		<MDL	0.34	0.685	ug/Kg
1,4-Dichlorobenzene	2.43		0.28	0.556	ug/Kg	4.76		0.4	0.794	ug/Kg	1.93		0.34	0.685	ug/Kg
2,4-Dimethylphenol		<MDL	1.4	2.78	ug/Kg		<MDL	2	3.97	ug/Kg		<MDL	1.7	3.42	ug/Kg
2-Methylnaphthalene	22.1		2.8	5.56	ug/Kg	24.2		4	7.94	ug/Kg	7.31		3.4	6.85	ug/Kg
2-Methylphenol		<MDL	2.8	5.56	ug/Kg		<MDL	4	7.94	ug/Kg		<MDL	3.4	6.85	ug/Kg
4-Methylphenol	100		5.6	11.1	ug/Kg		<MDL	7.9	15.9	ug/Kg		<MDL	6.8	13.7	ug/Kg
Acenaphthene	17.5		2.8	5.56	ug/Kg	41.3		4	7.94	ug/Kg	7.81		3.4	6.85	ug/Kg
Acenaphthylene	17.9		2.8	5.56	ug/Kg	38.5		4	7.94	ug/Kg	10.7		3.4	6.85	ug/Kg
Anthracene	497		2.8	5.56	ug/Kg	186		4	7.94	ug/Kg	50.5		3.4	6.85	ug/Kg
Benzo(a)anthracene	346		2.8	5.56	ug/Kg	407		4	7.94	ug/Kg	122		3.4	6.85	ug/Kg
Benzo(a)pyrene	299		2.8	5.56	ug/Kg	520		4	7.94	ug/Kg	154		3.4	6.85	ug/Kg

Table B-4. 2009 Sediment Chemistry Results, Post Operation Year Four Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-13 Sample: L47904-13 ColDate: 5/4/09 15:00 Dry Weight Basis					Locator: DWMP-14 Sample: L47904-14 ColDate: 5/4/09 14:20 Dry Weight Basis					Locator: DWMP-15 Sample: L47904-15 ColDate: 5/4/09 15:35 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Benzo(b)fluoranthene	363		2.8	5.56	ug/Kg	548		4	7.94	ug/Kg	134		3.4	6.85	ug/Kg
Benzo(g,h,i)perylene	153		2.8	5.56	ug/Kg	329		4	7.94	ug/Kg	98.5		3.4	6.85	ug/Kg
Benzo(k)fluoranthene	274		2.8	5.56	ug/Kg	429		4	7.94	ug/Kg	144		3.4	6.85	ug/Kg
Benzoic Acid	196		14	27.8	ug/Kg	176		20	39.7	ug/Kg	100		17	34.2	ug/Kg
Benzyl Alcohol		<MDL	2.8	5.56	ug/Kg		<MDL	4	7.94	ug/Kg		<MDL	3.4	6.85	ug/Kg
Benzyl Butyl Phthalate	32.2		1.4	2.78	ug/Kg	111		2	3.97	ug/Kg	38.4		1.7	3.42	ug/Kg
Bis(2-Ethylhexyl)Phthalate	390		5.6	11.1	ug/Kg	845		7.9	15.9	ug/Kg	507		6.8	13.7	ug/Kg
Caffeine		<MDL	5.6	11.1	ug/Kg		<MDL	7.9	15.9	ug/Kg		<MDL	6.8	13.7	ug/Kg
Carbazole	140		2.8	5.56	ug/Kg	78.4		4	7.94	ug/Kg	19.2		3.4	6.85	ug/Kg
Chrysene	518		2.8	5.56	ug/Kg	484		4	7.94	ug/Kg	154		3.4	6.85	ug/Kg
Coprostanol		<MDL	56	111	ug/Kg		<MDL	79	159	ug/Kg		<MDL	68	137	ug/Kg
Di-N-Butyl Phthalate	13.8		5.6	11.1	ug/Kg	41.5		7.9	15.9	ug/Kg	21.9		6.8	13.7	ug/Kg
Di-N-Octyl Phthalate		<MDL	5.6	11.1	ug/Kg		<MDL	7.9	15.9	ug/Kg		<MDL	6.8	13.7	ug/Kg
Dibenzo(a,h)anthracene	85.6		2.8	5.56	ug/Kg	152		4	7.94	ug/Kg	48.3		3.4	6.85	ug/Kg
Dibenzofuran	22.1		2.8	5.56	ug/Kg	22.2		4	7.94	ug/Kg	4.6	<RDL	3.4	6.85	ug/Kg
Diethyl Phthalate		<MDL	5.6	11.1	ug/Kg		<MDL	7.9	15.9	ug/Kg		<MDL	6.8	13.7	ug/Kg
Dimethyl Phthalate		<MDL	5.6	11.1	ug/Kg		<MDL	7.9	15.9	ug/Kg		<MDL	6.8	13.7	ug/Kg
Fluoranthene	632		2.8	5.56	ug/Kg	696		4	7.94	ug/Kg	178		3.4	6.85	ug/Kg
Fluorene	55.6		2.8	5.56	ug/Kg	44.8		4	7.94	ug/Kg	10.5		3.4	6.85	ug/Kg
Hexachlorobenzene		<MDL	0.14	0.278	ug/Kg		<MDL	0.2	0.397	ug/Kg		<MDL	0.17	0.342	ug/Kg
Hexachlorobutadiene		<MDL	0.69	1.39	ug/Kg		<MDL	0.99	1.98	ug/Kg		<MDL	0.86	1.71	ug/Kg
Hexachloroethane		<MDL	1.4	2.78	ug/Kg		<MDL	2	3.97	ug/Kg		<MDL	1.7	3.42	ug/Kg
Indeno(1,2,3-Cd)Pyrene	160		2.8	5.56	ug/Kg	313		4	7.94	ug/Kg	86.8		3.4	6.85	ug/Kg
N-Nitrosodiphenylamine		<MDL	5.6	11.1	ug/Kg		<MDL	7.9	15.9	ug/Kg		<MDL	6.8	13.7	ug/Kg
Naphthalene	10.5		2.8	5.56	ug/Kg	21.8		4	7.94	ug/Kg	5.7	<RDL	3.4	6.85	ug/Kg
Pentachlorophenol		<MDL	14	27.8	ug/Kg		<MDL	20	39.7	ug/Kg		<MDL	17	34.2	ug/Kg
Phenanthrene	374		2.8	5.56	ug/Kg	415		4	7.94	ug/Kg	102		3.4	6.85	ug/Kg
Phenol		<MDL	5.6	11.1	ug/Kg		<MDL	7.9	15.9	ug/Kg		<MDL	6.8	13.7	ug/Kg
Pyrene	700		2.8	5.56	ug/Kg	1040		4	7.94	ug/Kg	336		3.4	6.85	ug/Kg
Total 4-Nonylphenol		<MDL	6.9	13.9	ug/Kg		<MDL	9.9	19.8	ug/Kg		<MDL	8.6	17.1	ug/Kg
Total HPAHS	3530		2.8	5.56	ug/Kg	4920		4	7.94	ug/Kg	1460		3.4	6.85	ug/Kg
Total LPAHs	994		2.8	5.56	ug/Kg	770		4	7.94	ug/Kg	193		3.4	6.85	ug/Kg
OR SW846 3550B*SW846 8081B															
4,4'-DDD	3.08	JK	1.4	2.78	ug/Kg		<MDL	2	3.97	ug/Kg		<MDL	1.7	3.42	ug/Kg
4,4'-DDE		<MDL	1.4	2.78	ug/Kg	2	<RDL	2	3.97	ug/Kg		<MDL	1.7	3.42	ug/Kg
4,4'-DDT	31.3	JK	1.4	2.78	ug/Kg		<MDL	2	3.97	ug/Kg		<MDL	1.7	3.42	ug/Kg
OR SW846 3550B*SW846 8082A															
Aroclor 1016		<MDL,TA	5.1	10.3	ug/Kg		<MDL,TA	38	74.6	ug/Kg		<MDL,TA	38	74.3	ug/Kg
Aroclor 1221		<MDL	2.8	5.56	ug/Kg		<MDL	7.9	15.9	ug/Kg		<MDL	3.4	6.85	ug/Kg
Aroclor 1232		<MDL,TA	11	21.9	ug/Kg		<MDL,TA	65	133	ug/Kg		<MDL,TA	50	99.5	ug/Kg
Aroclor 1242		<MDL	1.4	2.78	ug/Kg		<MDL,TA	91	183	ug/Kg		<MDL,TA	55	110	ug/Kg
Aroclor 1248	11.9		1.4	2.78	ug/Kg	87.7		4	7.94	ug/Kg	68.3		1.7	3.42	ug/Kg
Aroclor 1254	27.2		1.4	2.78	ug/Kg	187		4	7.94	ug/Kg	150		1.7	3.42	ug/Kg
Aroclor 1260	12.9		1.4	2.78	ug/Kg	109		4	7.94	ug/Kg	97.6		1.7	3.42	ug/Kg
Total Aroclors	51.9		1.4	2.78	ug/Kg	383		4	7.94	ug/Kg	315		1.7	3.42	ug/Kg

* Not converted to dry weight basis

Table B-4. 2009 Sediment Chemistry Results, Post Operation Year Four Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-16 Sample: L47904-16 ColDate: 5/4/09 16:17 Dry Weight Basis					Locator: DWMP-08 Sample: L47904-17 ColDate: 5/4/09 13:35 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
CV ASTM D422										
Clay*	27.1		0.9	1.81	%	13.2		0.94	1.88	%
Fines*	67.8		0.9	1.81	%	49.8		0.94	1.88	%
Gravel*	10.2		0.18	1.81	%	8		0.19	1.88	%
Sand*	20.7		0.18	1.81	%	40.4		0.19	1.88	%
Silt*	40.7		0.9	1.81	%	36.7		0.94	1.88	%
p+0.00*	1.5		0.18	1.81	%	3.2		0.19	1.88	%
p+1.00*	2.2		0.18	1.81	%	5.7		0.19	1.88	%
p+10.0(equal/more than)*	14.5		0.9	1.81	%	8.5		0.94	1.88	%
p+2.00*	3.8		0.18	1.81	%	12.1		0.19	1.88	%
p+3.00*	5.4		0.18	1.81	%	10.6		0.19	1.88	%
p+4.00*	7.8		0.18	1.81	%	8.7		0.19	1.88	%
p+5.00*	14.5		0.9	1.81	%	16.9		0.94	1.88	%
p+6.00*	9		0.9	1.81	%	5.6		0.94	1.88	%
p+7.00*	7.2		0.9	1.81	%	9.4		0.94	1.88	%
p+8.00*	9.9		0.9	1.81	%	4.7		0.94	1.88	%
p+9.00*	12.7		0.9	1.81	%	4.7		0.94	1.88	%
p-1.00*	2.5		0.18	1.81	%	2.9		0.19	1.88	%
p-2.00*	0.7	<RDL	0.18	1.81	%	1	<RDL	0.19	1.88	%
p-2.00(less than)*	7		0.18	1.81	%	4.2		0.19	1.88	%
CV EPA 9030B/SM4500-S2-D										
Total Sulfide	1.4	<RDL	0.89	3.59	mg/Kg	8.57		1	3.98	mg/Kg
CV SM2540-G										
Total Solids*	54.8		0.005	0.01	%	50.2		0.005	0.01	%
CV SM4500-NH3-G KCL										
Ammonia Nitrogen	1.44		0.18	0.361	mg/Kg	2.55		0.98	1.97	mg/Kg
CV SW846 9060-PSEP96										
Total Organic Carbon	8940		1700	3300	mg/Kg	20100		2400	4840	mg/Kg
MT SW846 3050B*SW846 6010C										
Arsenic, Total, ICP	9.1	<RDL	2.2	11.4	mg/Kg	9.2	<RDL	2.4	12.4	mg/Kg
Cadmium, Total, ICP	0.47	<RDL	0.18	0.912	mg/Kg	1.07		0.2	0.994	mg/Kg
Chromium, Total, ICP	60.6		0.27	1.37	mg/Kg	43.6		0.3	1.49	mg/Kg
Copper, Total, ICP	55.7		0.36	1.82	mg/Kg	56.8		0.4	1.99	mg/Kg
Lead, Total, ICP	42.9		1.8	9.12	mg/Kg	78.5		2	9.94	mg/Kg
Silver, Total, ICP	1	<RDL	0.36	1.82	mg/Kg	3.49		0.4	1.99	mg/Kg
Zinc, Total, ICP	104		0.46	2.28	mg/Kg	114		0.5	2.49	mg/Kg
MT SW846 7471B										
Mercury, Total, CVAA	0.252		0.0091	0.0916	mg/Kg	0.562		0.0098	0.0968	mg/Kg
OR EPA 3550B/8270C (7-3-01-004)										
1,2,4-Trichlorobenzene		<MDL	0.18	0.365	ug/Kg		<MDL	0.2	0.398	ug/Kg
1,2-Dichlorobenzene		<MDL	0.36	0.73	ug/Kg		<MDL	0.4	0.797	ug/Kg
1,3-Dichlorobenzene		<MDL	0.36	0.73	ug/Kg		<MDL	0.4	0.797	ug/Kg
1,4-Dichlorobenzene		<MDL	0.36	0.73	ug/Kg	24.5		0.4	0.797	ug/Kg
2,4-Dimethylphenol		<MDL	1.8	3.65	ug/Kg		<MDL	2	3.98	ug/Kg
2-Methylnaphthalene	5.8	<RDL	3.6	7.3	ug/Kg	20.9		4	7.97	ug/Kg
2-Methylphenol		<MDL	3.6	7.3	ug/Kg		<MDL	4	7.97	ug/Kg
4-Methylphenol		<MDL	7.3	14.6	ug/Kg	146		8	15.9	ug/Kg
Acenaphthene	10		3.6	7.3	ug/Kg	14.3		4	7.97	ug/Kg
Acenaphthylene	12.1		3.6	7.3	ug/Kg	14.4		4	7.97	ug/Kg
Anthracene	64.6		3.6	7.3	ug/Kg	72.9		4	7.97	ug/Kg
Benzo(a)anthracene	132		3.6	7.3	ug/Kg	148		4	7.97	ug/Kg
Benzo(a)pyrene	170		3.6	7.3	ug/Kg	201		4	7.97	ug/Kg

Table B-4. 2009 Sediment Chemistry Results, Post Operation Year Four Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-16 Sample: L47904-16 ColDate: 5/4/09 16:17 Dry Weight Basis					Locator: DWMP-08 Sample: L47904-17 ColDate: 5/4/09 13:35 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
Benzo(b)fluoranthene	141		3.6	7.3	ug/Kg	175		4	7.97	ug/Kg
Benzo(g,h,i)perylene	105		3.6	7.3	ug/Kg	128		4	7.97	ug/Kg
Benzo(k)fluoranthene	195		3.6	7.3	ug/Kg	193		4	7.97	ug/Kg
Benzoic Acid	156		18	36.5	ug/Kg	182		20	39.8	ug/Kg
Benzyl Alcohol		<MDL	3.6	7.3	ug/Kg		<MDL	4	7.97	ug/Kg
Benzyl Butyl Phthalate	29.2		1.8	3.65	ug/Kg	40		2	3.98	ug/Kg
Bis(2-Ethylhexyl)Phthalate	394		7.3	14.6	ug/Kg	1010		8	15.9	ug/Kg
Caffeine		<MDL	7.3	14.6	ug/Kg		<MDL	8	15.9	ug/Kg
Carbazole	19.9		3.6	7.3	ug/Kg	27.5		4	7.97	ug/Kg
Chrysene	171		3.6	7.3	ug/Kg	170		4	7.97	ug/Kg
Coprostanol		<MDL	73	146	ug/Kg		<MDL	80	159	ug/Kg
Di-N-Butyl Phthalate	31.4		7.3	14.6	ug/Kg	28.1		8	15.9	ug/Kg
Di-N-Octyl Phthalate		<MDL	7.3	14.6	ug/Kg		<MDL	8	15.9	ug/Kg
Dibenzo(a,h)anthracene	48.2		3.6	7.3	ug/Kg	59.6		4	7.97	ug/Kg
Dibenzofuran	6.2	<RDL	3.6	7.3	ug/Kg	12.5		4	7.97	ug/Kg
Diethyl Phthalate		<MDL	7.3	14.6	ug/Kg		<MDL	8	15.9	ug/Kg
Dimethyl Phthalate		<MDL	7.3	14.6	ug/Kg		<MDL	8	15.9	ug/Kg
Fluoranthene	192		3.6	7.3	ug/Kg	233		4	7.97	ug/Kg
Fluorene	15.8		3.6	7.3	ug/Kg	20.7		4	7.97	ug/Kg
Hexachlorobenzene		<MDL	0.18	0.365	ug/Kg		<MDL	0.2	0.398	ug/Kg
Hexachlorobutadiene		<MDL	0.91	1.82	ug/Kg		<MDL	1	1.99	ug/Kg
Hexachloroethane		<MDL	1.8	3.65	ug/Kg		<MDL	2	3.98	ug/Kg
Indeno(1,2,3-Cd)Pyrene	94.3		3.6	7.3	ug/Kg	112		4	7.97	ug/Kg
N-Nitrosodiphenylamine		<MDL	7.3	14.6	ug/Kg		<MDL	8	15.9	ug/Kg
Naphthalene	6.8	<RDL	3.6	7.3	ug/Kg	19.1		4	7.97	ug/Kg
Pentachlorophenol		<MDL	18	36.5	ug/Kg		<MDL	20	39.8	ug/Kg
Phenanthrene	115		3.6	7.3	ug/Kg	149		4	7.97	ug/Kg
Phenol		<MDL	7.3	14.6	ug/Kg		<MDL	8	15.9	ug/Kg
Pyrene	288		3.6	7.3	ug/Kg	665		4	7.97	ug/Kg
Total 4-Nonylphenol		<MDL	9.1	18.2	ug/Kg		<MDL	10	19.9	ug/Kg
Total HPAHS	1540		3.6	7.3	ug/Kg	2090		4	7.97	ug/Kg
Total LPAHs	230		3.6	7.3	ug/Kg	311		4	7.97	ug/Kg
OR SW846 3550B*SW846 8081B										
4,4'-DDD		<MDL	1.8	3.65	ug/Kg		<MDL	2	3.98	ug/Kg
4,4'-DDE		<MDL	1.8	3.65	ug/Kg		<MDL	2	3.98	ug/Kg
4,4'-DDT		<MDL	1.8	3.65	ug/Kg		<MDL	2	3.98	ug/Kg
OR SW846 3550B*SW846 8082A										
Aroclor 1016		<MDL,TA	13	25.2	ug/Kg		<MDL,TA	66	131	ug/Kg
Aroclor 1221		<MDL	3.6	7.3	ug/Kg		<MDL	8	15.9	ug/Kg
Aroclor 1232		<MDL,TA	26	50	ug/Kg		<MDL,TA	140	279	ug/Kg
Aroclor 1242		<MDL,TA	29	57.3	ug/Kg		<MDL,TA	140	287	ug/Kg
Aroclor 1248	33.8		1.8	3.65	ug/Kg	136		4	7.97	ug/Kg
Aroclor 1254	81.8		1.8	3.65	ug/Kg	243		4	7.97	ug/Kg
Aroclor 1260	60.2		1.8	3.65	ug/Kg	156		4	7.97	ug/Kg
Total Aroclors	176		1.8	3.65	ug/Kg	536		4	7.97	ug/Kg

* Not converted to dry weight basis

Table B-5. 2010 Sediment Chemistry Results, Post Operation Year Five Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-01					Locator: DWMP-02					Locator: DWMP-03				
	Sample: L50382-1					Sample: L50382-2					Sample: L50382-3				
	ColDate: 4/6/10 9:00					ColDate: 4/6/10 11:15					ColDate: 4/5/10 13:55				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
CV ASTM D422															
Fines*	51.2		1.2	2.33	%	19.9		0.74	1.48	%	63.9		1	2	%
Gravel*	13		0.23	2.33	%	38.8		0.15	1.48	%	4.3		0.2	2	%
Sand*	34.4		0.23	2.33	%	46.1		0.15	1.48	%	40.8		0.2	2	%
Silt*	46.5		1.2	2.33	%	17		0.74	1.48	%	51.9		1	2	%
Clay*	4.7		1.2	2.33	%	3		0.74	1.48	%	12		1	2	%
p+0.00*		<MDL	0.23	2.33	%	4		0.15	1.48	%	1	<RDL	0.2	2	%
p+1.00*		<MDL	0.23	2.33	%	7.4		0.15	1.48	%	4		0.2	2	%
p+10.0(equal/more than)*		<MDL	1.2	2.33	%	0.7	<RDL	0.74	1.48	%	5		1	2	%
p+2.00*	3.7		0.23	2.33	%	8.2		0.15	1.48	%	11		0.2	2	%
p+3.00*	15.5		0.23	2.33	%	20.4		0.15	1.48	%	20.7		0.2	2	%
p+4.00*	15.2		0.23	2.33	%	6.1		0.15	1.48	%	4.1		0.2	2	%
p+5.00*	26.7		1.2	2.33	%	9.6		0.74	1.48	%	14		1	2	%
p+6.00*	7		1.2	2.33	%	3		0.74	1.48	%	20		1	2	%
p+7.00*	10.5		1.2	2.33	%	3		0.74	1.48	%	14		1	2	%
p+8.00*	2.3	RDL	1.2	2.33	%	1.5	RDL	0.74	1.48	%	4		1	2	%
p+9.00*	3.5		1.2	2.33	%	2.2		0.74	1.48	%	7		1	2	%
p-1.00*	1.2	<RDL	0.23	2.33	%	29.6		0.15	1.48	%	0.7	<RDL	0.2	2	%
p-2.00(less than)*	11.6		0.23	2.33	%	7.2		0.15	1.48	%	2.8		0.2	2	%
p-2.00*		<MDL	0.23	2.33	%	1.9		0.15	1.48	%	0.8	<RDL	0.2	2	%
CV EPA 9030B/SM4500-S2-D															
Total Sulfide	241		11	43.4	mg/Kg	2.3	<RDL	0.77	3.04	mg/Kg	40.3		4.8	18.8	mg/Kg
CV SM2540-G															
Total Solids*	46.1		0.005	0.01	%	65.2		0.005	0.01	%	52.3		0.005	0.01	%
CV SM4500-NH3-G KCL															
Ammonia Nitrogen	3.41		0.21	0.412	mg/Kg	0.954		0.15	0.307	mg/Kg	1.55		0.19	0.375	mg/Kg
CV SW846 9060-PSEP96															
Total Organic Carbon	65900		4600	9240	mg/Kg	13200		2000	3910	mg/Kg	19700		1900	3920	mg/Kg
MT SW846 3050B*SW846 6010C															
Arsenic, Total, ICP	13.2	<RDL	2.6	13.2	mg/Kg	5.7	<RDL	1.8	9.48	mg/Kg	9.2	<RDL	2.5	12.1	mg/Kg
Cadmium, Total, ICP	1.22		0.21	1.06	mg/Kg	0.18	<RDL	0.15	0.758	mg/Kg	1.19		0.19	0.966	mg/Kg
Chromium, Total, ICP	50.8		0.33	1.59	mg/Kg	38.8		0.23	1.14	mg/Kg	54.5		0.29	1.45	mg/Kg
Copper, Total, ICP	80.7		0.43	2.11	mg/Kg	35.4		0.31	1.52	mg/Kg	66.2		0.38	1.93	mg/Kg
Lead, Total, ICP	120		2.1	10.6	mg/Kg	50.5		1.5	7.58	mg/Kg	107		1.9	9.66	mg/Kg
Silver, Total, ICP	5.03		0.43	2.11	mg/Kg	2.1		0.31	1.52	mg/Kg	5.6		0.38	1.93	mg/Kg
Zinc, Total, ICP	136		0.52	2.65	mg/Kg	69.8		0.38	1.9	mg/Kg	125		0.48	2.41	mg/Kg
MT SW846 7471B															
Mercury, Total, CVAA	0.974		0.043	0.432	mg/Kg	0.23	<RDL	0.031	0.299	mg/Kg	0.862		0.038	0.377	mg/Kg
OR SW846 3550B*SW846 8081B															
4,4'-DDD	9.67		2.2	4.34	ug/Kg	2.6	<RDL	1.5	3.07	ug/Kg	14.8		1.9	3.82	ug/Kg
4,4'-DDE	4.82		2.2	4.34	ug/Kg		<MDL	1.5	3.07	ug/Kg	7.51		1.9	3.82	ug/Kg
4,4'-DDT	5.01		2.2	4.34	ug/Kg	1.7	<RDL	1.5	3.07	ug/Kg	7.88		1.9	3.82	ug/Kg
OR SW846 3550B*SW846 8082A															
Aroclor 1016		<MDL,TA	43	86.8	ug/Kg		<MDL,TA	4.3	8.59	ug/Kg		<MDL,TA	110	229	ug/Kg
Aroclor 1221		<MDL	4.3	8.68	ug/Kg		<MDL	3.1	6.13	ug/Kg		<MDL,TA	15	30.6	ug/Kg
Aroclor 1232		<MDL,TA	52	104	ug/Kg		<MDL,TA	18	36.8	ug/Kg		<MDL,TA	180	352	ug/Kg
Aroclor 1242		<MDL,TA	69	139	ug/Kg		<MDL,TA	18	36.8	ug/Kg		<MDL,TA	230	459	ug/Kg
Aroclor 1248	77.2		2.2	4.34	ug/Kg	12.4		1.5	3.07	ug/Kg	205	TA	1.9	3.82	ug/Kg
Aroclor 1254	284	TA	2.2	4.34	ug/Kg	48.2		1.5	3.07	ug/Kg	367	TA	1.9	3.82	ug/Kg
Aroclor 1260	113		2.2	4.34	ug/Kg	35.3		1.5	3.07	ug/Kg	228	TA	1.9	3.82	ug/Kg
Total Aroclors	473		2.2	4.34	ug/Kg	96		1.5	3.07	ug/Kg	799		1.9	3.82	ug/Kg
OR SW846 3550B*SW846 8270D															

Table B-5. 2010 Sediment Chemistry Results, Post Operation Year Five Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-01					Locator: DWMP-02					Locator: DWMP-03				
	Sample: L50382-1					Sample: L50382-2					Sample: L50382-3				
	ColDate: 4/6/10 9:00					ColDate: 4/6/10 11:15					ColDate: 4/5/10 13:55				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
1,2,4-Trichlorobenzene		<MDL	2.2	4.34	ug/Kg		<MDL	0.15	0.307	ug/Kg		<MDL	1.9	3.82	ug/Kg
1,2-Dichlorobenzene		<MDL	4.3	8.68	ug/Kg		<MDL	0.31	0.613	ug/Kg		<MDL	3.8	7.65	ug/Kg
1,3-Dichlorobenzene		<MDL	4.3	8.68	ug/Kg		<MDL	0.31	0.613	ug/Kg		<MDL	3.8	7.65	ug/Kg
1,4-Dichlorobenzene		<MDL	4.3	8.68	ug/Kg	1.26		0.31	0.613	ug/Kg		<MDL	3.8	7.65	ug/Kg
2,4-Dimethylphenol		<MDL	22	43.4	ug/Kg		<MDL	1.5	3.07	ug/Kg		<MDL	19	38.2	ug/Kg
2-Methylnaphthalene	52	<RDL	43	86.8	ug/Kg	7.61		3.1	6.13	ug/Kg		<MDL	38	76.5	ug/Kg
2-Methylphenol		<MDL	43	86.8	ug/Kg		<MDL	3.1	6.13	ug/Kg		<MDL	38	76.5	ug/Kg
4-Methylphenol	214	J	87	174	ug/Kg	112		6.1	12.3	ug/Kg		<MDL	76	153	ug/Kg
Acenaphthene	148		43	86.8	ug/Kg	19.6		3.1	6.13	ug/Kg		<MDL	38	76.5	ug/Kg
Acenaphthylene	234		43	86.8	ug/Kg	14.8		3.1	6.13	ug/Kg		<MDL	38	76.5	ug/Kg
Anthracene	1970	J	43	86.8	ug/Kg	128		3.1	6.13	ug/Kg	87.4		38	76.5	ug/Kg
Benzo(a)anthracene	6250	J	43	86.8	ug/Kg	224		3.1	6.13	ug/Kg	239		38	76.5	ug/Kg
Benzo(a)pyrene	9500	J	43	86.8	ug/Kg	248		3.1	6.13	ug/Kg	308		38	76.5	ug/Kg
Benzo(b)fluoranthene	11400	J	43	86.8	ug/Kg	296		3.1	6.13	ug/Kg	434		38	76.5	ug/Kg
Benzo(g,h,i)perylene	4340	J	43	86.8	ug/Kg	153		3.1	6.13	ug/Kg	241		38	76.5	ug/Kg
Benzo(k)fluoranthene	10700	J	43	86.8	ug/Kg	241		3.1	6.13	ug/Kg	367		38	76.5	ug/Kg
Benzoic Acid		<MDL,JG	220	434	ug/Kg	152	B,JG	15	30.7	ug/Kg		<MDL,JG	190	382	ug/Kg
Benzyl Alcohol		<MDL	43	86.8	ug/Kg		<MDL	3.1	6.13	ug/Kg		<MDL	38	76.5	ug/Kg
Benzyl Butyl Phthalate	226	J	22	43.4	ug/Kg	74.2		1.5	3.07	ug/Kg	91.4		19	38.2	ug/Kg
Bis(2-Ethylhexyl)Phthalate	1510		87	174	ug/Kg	248		6.1	12.3	ug/Kg	2240		76	153	ug/Kg
Caffeine		<MDL	87	174	ug/Kg		<MDL	6.1	12.3	ug/Kg		<MDL	76	153	ug/Kg
Carbazole	423	J	43	86.8	ug/Kg	38.8		3.1	6.13	ug/Kg		<MDL	38	76.5	ug/Kg
Chrysene	9670	J	43	86.8	ug/Kg	291		3.1	6.13	ug/Kg	321		38	76.5	ug/Kg
Coprostanol		<MDL	870	1740	ug/Kg		<MDL	61	123	ug/Kg		<MDL	760	1530	ug/Kg
Dibenzo(a,h)anthracene	2050	J	43	86.8	ug/Kg	68.4		3.1	6.13	ug/Kg	83.9		38	76.5	ug/Kg
Dibenzofuran	72	<RDL	43	86.8	ug/Kg	8.57		3.1	6.13	ug/Kg		<MDL	38	76.5	ug/Kg
Diethyl Phthalate		<MDL	87	174	ug/Kg		<MDL	6.1	12.3	ug/Kg		<MDL	76	153	ug/Kg
Dimethyl Phthalate		<MDL	87	174	ug/Kg		<MDL	6.1	12.3	ug/Kg		<MDL	76	153	ug/Kg
Di-N-Butyl Phthalate	91	<RDL	87	174	ug/Kg	14.3		6.1	12.3	ug/Kg		<MDL	76	153	ug/Kg
Di-N-Octyl Phthalate		<MDL	87	174	ug/Kg		<MDL	6.1	12.3	ug/Kg		<MDL	76	153	ug/Kg
Fluoranthene	5140	J	43	86.8	ug/Kg	380		3.1	6.13	ug/Kg	491		38	76.5	ug/Kg
Fluorene	297		43	86.8	ug/Kg	24.7		3.1	6.13	ug/Kg		<MDL	38	76.5	ug/Kg
Hexachlorobenzene		<MDL	2.2	4.34	ug/Kg		<MDL	0.15	0.307	ug/Kg		<MDL	1.9	3.82	ug/Kg
Hexachlorobutadiene		<MDL	11	21.7	ug/Kg		<MDL	0.77	1.53	ug/Kg		<MDL	9.6	19.1	ug/Kg
Hexachloroethane		<MDL	22	43.4	ug/Kg		<MDL	1.5	3.07	ug/Kg		<MDL	19	38.2	ug/Kg
Indeno(1,2,3-Cd)Pyrene	4380	J	43	86.8	ug/Kg	133		3.1	6.13	ug/Kg	208		38	76.5	ug/Kg
Naphthalene	85	<RDL,J	43	86.8	ug/Kg	10.9		3.1	6.13	ug/Kg		<MDL	38	76.5	ug/Kg
N-Nitrosodiphenylamine		<MDL	87	174	ug/Kg		<MDL	6.1	12.3	ug/Kg		<MDL	76	153	ug/Kg
Pentachlorophenol		<MDL	220	434	ug/Kg		<MDL	15	30.7	ug/Kg		<MDL	190	382	ug/Kg
Phenanthrene	1990	J	43	86.8	ug/Kg	212		3.1	6.13	ug/Kg	237		38	76.5	ug/Kg
Phenol	120	<RDL	87	174	ug/Kg	133		6.1	12.3	ug/Kg	110	<RDL	76	153	ug/Kg
Pyrene	11200	J	43	86.8	ug/Kg	485		3.1	6.13	ug/Kg	1090		38	76.5	ug/Kg
Total HPAHS	74600	J	43	86.8	ug/Kg	2520		3.1	6.13	ug/Kg	3790		38	76.5	ug/Kg
Total LPAHs	4770	J	43	86.8	ug/Kg	416		3.1	6.13	ug/Kg	325		38	76.5	ug/Kg

* Not converted to dry weight basis

Table B-5. 2010 Sediment Chemistry Results, Post Operation Year Five Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-04					Locator: DWMP-05					Locator: DWMP-06				
	Sample: L50382-4					Sample: L50382-5					Sample: L50382-6				
	ColDate: 4/6/10 11:30					ColDate: 4/6/10 8:50					ColDate: 4/6/10 11:00				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
CV ASTM D422															
Fines*	37.9		0.88	1.76	%	5.3		0.76	1.52	%	29.8		0.99	1.99	%
Gravel*	34.2		0.18	1.76	%	27.4		0.15	1.52	%	3.7		0.2	1.99	%
Sand*	32.4		0.18	1.76	%	67.9		0.15	1.52	%	61.5		0.2	1.99	%
Silt*	30.8		0.88	1.76	%	3.8		0.76	1.52	%	18.9		0.99	1.99	%
Clay*	7		0.88	1.76	%	1.5	RDL	0.76	1.52	%	10.9		0.99	1.99	%
p+0.00*	3.8		0.18	1.76	%	9.9		0.15	1.52	%	2	RDL	0.2	1.99	%
p+1.00*	4.5		0.18	1.76	%	11.6		0.15	1.52	%	13.8		0.2	1.99	%
p+10.0(equal/more than)*	3.5		0.88	1.76	%	1.5	RDL	0.76	1.52	%	5		0.99	1.99	%
p+2.00*	10.3		0.18	1.76	%	23.1		0.15	1.52	%	30.6		0.2	1.99	%
p+3.00*	7.7		0.18	1.76	%	19		0.15	1.52	%	9.5		0.2	1.99	%
p+4.00*	6		0.18	1.76	%	4.2		0.15	1.52	%	5.6		0.2	1.99	%
p+5.00*	16.7		0.88	1.76	%	0.8	<RDL	0.76	1.52	%	8.9		0.99	1.99	%
p+6.00*	1.8	RDL	0.88	1.76	%	0.8	<RDL	0.76	1.52	%	2	RDL	0.99	1.99	%
p+7.00*	8.8		0.88	1.76	%	0.8	<RDL	0.76	1.52	%	6		0.99	1.99	%
p+8.00*	3.5		0.88	1.76	%	1.5	RDL	0.76	1.52	%	2	RDL	0.99	1.99	%
p+9.00*	3.5		0.88	1.76	%		<MDL	0.76	1.52	%	6		0.99	1.99	%
p-1.00*	3.5		0.18	1.76	%	9.7		0.15	1.52	%	1.1	<RDL	0.2	1.99	%
p-2.00(less than)*	29.7		0.18	1.76	%	16.2		0.15	1.52	%	0.8	<RDL	0.2	1.99	%
p-2.00*	0.9	<RDL	0.18	1.76	%	1.5		0.15	1.52	%	1.8	<RDL	0.2	1.99	%
CV EPA 9030B/SM4500-S2-D															
Total Sulfide	38.6		4.3	17	mg/Kg	56.7		3.2	12.9	mg/Kg	306		11	43.7	mg/Kg
CV SM2540-G															
Total Solids*	58.6		0.005	0.01	%	77.4		0.005	0.01	%	45.8		0.005	0.01	%
CV SM4500-NH3-G KCL															
Ammonia Nitrogen	1.34		0.17	0.331	mg/Kg	1.28		0.12	0.243	mg/Kg	2.64		0.21	0.415	mg/Kg
CV SW846 9060-PSEP96															
Total Organic Carbon	12000		1000	2010	mg/Kg	8460		980	1980	mg/Kg	23100		2100	4100	mg/Kg
MT SW846 3050B*SW846 6010C															
Arsenic, Total, ICP	9.2	<RDL	2.2	10.7	mg/Kg	4	<RDL	1.7	8.14	mg/Kg	7.6	<RDL	2.6	13.3	mg/Kg
Cadmium, Total, ICP	0.29	<RDL	0.17	0.857	mg/Kg	0.22	<RDL	0.13	0.651	mg/Kg	0.31	<RDL	0.21	1.06	mg/Kg
Chromium, Total, ICP	47.4		0.26	1.28	mg/Kg	23		0.19	0.977	mg/Kg	33.2		0.33	1.59	mg/Kg
Copper, Total, ICP	48		0.34	1.71	mg/Kg	24.3		0.26	1.3	mg/Kg	39.1		0.41	2.12	mg/Kg
Lead, Total, ICP	36.5		1.7	8.57	mg/Kg	29.7		1.3	6.51	mg/Kg	50.2		2.1	10.6	mg/Kg
Silver, Total, ICP	2.25		0.34	1.71	mg/Kg	0.96	<RDL	0.26	1.3	mg/Kg	2.34		0.41	2.12	mg/Kg
Zinc, Total, ICP	84		0.43	2.13	mg/Kg	76.9		0.32	1.63	mg/Kg	78.8		0.52	2.64	mg/Kg
MT SW846 7471B															
Mercury, Total, CVAA	0.362		0.034	0.336	mg/Kg	0.057	<RDL	0.026	0.258	mg/Kg	0.19	<RDL	0.041	0.421	mg/Kg
OR SW846 3550B*SW846 8081B															
4,4'-DDD	3.2	<RDL	1.7	3.41	ug/Kg	2.3	<RDL	1.3	2.58	ug/Kg	2.2	<RDL	2.2	4.37	ug/Kg
4,4'-DDE		<MDL	1.7	3.41	ug/Kg		<MDL	1.3	2.58	ug/Kg		<MDL	2.2	4.37	ug/Kg
4,4'-DDT	2.2	<RDL	1.7	3.41	ug/Kg	1.4	<RDL	1.3	2.58	ug/Kg	2.4	<RDL	2.2	4.37	ug/Kg
OR SW846 3550B*SW846 8082A															
Aroclor 1016		<MDL,TA	6.8	13.7	ug/Kg		<MDL,TA	7.8	15.5	ug/Kg		<MDL,TA	5.2	10.5	ug/Kg
Aroclor 1221		<MDL	3.4	6.83	ug/Kg		<MDL,TA	3.1	6.2	ug/Kg		<MDL	4.4	8.73	ug/Kg
Aroclor 1232		<MDL,TA	17	34.1	ug/Kg		<MDL,TA	10	20.7	ug/Kg		<MDL,TA	17	34.9	ug/Kg
Aroclor 1242		<MDL,TA	17	34.1	ug/Kg		<MDL,TA	23	46.5	ug/Kg		<MDL,TA	17	34.9	ug/Kg
Aroclor 1248	15.5		1.7	3.41	ug/Kg	18.3		1.3	2.58	ug/Kg	13.1		2.2	4.37	ug/Kg
Aroclor 1254	61.8		1.7	3.41	ug/Kg	46.9		1.3	2.58	ug/Kg	31.9		2.2	4.37	ug/Kg
Aroclor 1260	47.6		1.7	3.41	ug/Kg	16.3		1.3	2.58	ug/Kg	24.5		2.2	4.37	ug/Kg
Total Aroclors	125		1.7	3.41	ug/Kg	81.5		1.3	2.58	ug/Kg	69.2		2.2	4.37	ug/Kg
OR SW846 3550B*SW846 8270D															

Table B-5. 2010 Sediment Chemistry Results, Post Operation Year Five Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-04					Locator: DWMP-05					Locator: DWMP-06				
	Sample: L50382-4					Sample: L50382-5					Sample: L50382-6				
	ColDate: 4/6/10 11:30					ColDate: 4/6/10 8:50					ColDate: 4/6/10 11:00				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
1,2,4-Trichlorobenzene		<MDL	0.17	0.341	ug/Kg		<MDL	0.65	1.29	ug/Kg		<MDL	0.22	0.437	ug/Kg
1,2-Dichlorobenzene	0.77		0.34	0.683	ug/Kg		<MDL	1.3	2.58	ug/Kg	0.74	<RDL	0.44	0.873	ug/Kg
1,3-Dichlorobenzene		<MDL	0.34	0.683	ug/Kg		<MDL	1.3	2.58	ug/Kg		<MDL	0.44	0.873	ug/Kg
1,4-Dichlorobenzene	1.38		0.34	0.683	ug/Kg		<MDL	1.3	2.58	ug/Kg	3.08		0.44	0.873	ug/Kg
2,4-Dimethylphenol		<MDL	1.7	3.41	ug/Kg		<MDL	6.5	12.9	ug/Kg		<MDL	2.2	4.37	ug/Kg
2-Methylnaphthalene	9.8		3.4	6.83	ug/Kg		<MDL	13	25.8	ug/Kg	5.5	<RDL	4.4	8.73	ug/Kg
2-Methylphenol		<MDL	3.4	6.83	ug/Kg		<MDL	13	25.8	ug/Kg		<MDL,J	4.4	8.73	ug/Kg
4-Methylphenol	106		6.8	13.7	ug/Kg		<MDL	26	51.7	ug/Kg	158		8.7	17.5	ug/Kg
Acenaphthene	12.5		3.4	6.83	ug/Kg	14	<RDL	13	25.8	ug/Kg	11.4		4.4	8.73	ug/Kg
Acenaphthylene	13		3.4	6.83	ug/Kg	13	<RDL	13	25.8	ug/Kg	18.4		4.4	8.73	ug/Kg
Anthracene	61.6		3.4	6.83	ug/Kg	87.1		13	25.8	ug/Kg	94.5		4.4	8.73	ug/Kg
Benzo(a)anthracene	208		3.4	6.83	ug/Kg	216		13	25.8	ug/Kg	225		4.4	8.73	ug/Kg
Benzo(a)pyrene	205		3.4	6.83	ug/Kg	266		13	25.8	ug/Kg	247		4.4	8.73	ug/Kg
Benzo(b)fluoranthene	271		3.4	6.83	ug/Kg	275		13	25.8	ug/Kg	303		4.4	8.73	ug/Kg
Benzo(g,h,i)perylene	87		3.4	6.83	ug/Kg	134		13	25.8	ug/Kg	161		4.4	8.73	ug/Kg
Benzo(k)fluoranthene	224		3.4	6.83	ug/Kg	376		13	25.8	ug/Kg	218		4.4	8.73	ug/Kg
Benzoic Acid	75.6	B,JG	17	34.1	ug/Kg	198	B3,JG	65	129	ug/Kg	147	B,JG	22	43.7	ug/Kg
Benzyl Alcohol		<MDL	3.4	6.83	ug/Kg		<MDL	13	25.8	ug/Kg		<MDL	4.4	8.73	ug/Kg
Benzyl Butyl Phthalate	20.1		1.7	3.41	ug/Kg	168		6.5	12.9	ug/Kg	64.2		2.2	4.37	ug/Kg
Bis(2-Ethylhexyl)Phthalate	227		6.8	13.7	ug/Kg	289		26	51.7	ug/Kg	349		8.7	17.5	ug/Kg
Caffeine		<MDL	6.8	13.7	ug/Kg		<MDL	26	51.7	ug/Kg		<MDL	8.7	17.5	ug/Kg
Carbazole	24.9		3.4	6.83	ug/Kg	32.2		13	25.8	ug/Kg	29		4.4	8.73	ug/Kg
Chrysene	195		3.4	6.83	ug/Kg	331		13	25.8	ug/Kg	279		4.4	8.73	ug/Kg
Coprostanol		<MDL	68	137	ug/Kg		<MDL	260	517	ug/Kg		<MDL	87	175	ug/Kg
Dibenzo(a,h)anthracene	36		3.4	6.83	ug/Kg	58.8		13	25.8	ug/Kg	72.7		4.4	8.73	ug/Kg
Dibenzofuran	7.42		3.4	6.83	ug/Kg		<MDL	13	25.8	ug/Kg	7.4	<RDL	4.4	8.73	ug/Kg
Diethyl Phthalate		<MDL	6.8	13.7	ug/Kg		<MDL	26	51.7	ug/Kg		<MDL	8.7	17.5	ug/Kg
Dimethyl Phthalate		<MDL	6.8	13.7	ug/Kg		<MDL	26	51.7	ug/Kg		<MDL	8.7	17.5	ug/Kg
Di-N-Butyl Phthalate	65		6.8	13.7	ug/Kg		<MDL	26	51.7	ug/Kg	25.5		8.7	17.5	ug/Kg
Di-N-Octyl Phthalate		<MDL	6.8	13.7	ug/Kg		<MDL	26	51.7	ug/Kg		<MDL	8.7	17.5	ug/Kg
Fluoranthene	377		3.4	6.83	ug/Kg	544		13	25.8	ug/Kg	352		4.4	8.73	ug/Kg
Fluorene	16.3		3.4	6.83	ug/Kg	23	<RDL	13	25.8	ug/Kg	19.4		4.4	8.73	ug/Kg
Hexachlorobenzene		<MDL	0.17	0.341	ug/Kg		<MDL	0.65	1.29	ug/Kg	3.62		0.22	0.437	ug/Kg
Hexachlorobutadiene		<MDL	0.85	1.71	ug/Kg		<MDL	3.2	6.46	ug/Kg		<MDL	1.1	2.18	ug/Kg
Hexachloroethane		<MDL	1.7	3.41	ug/Kg		<MDL	6.5	12.9	ug/Kg		<MDL	2.2	4.37	ug/Kg
Indeno(1,2,3-Cd)Pyrene	79.5		3.4	6.83	ug/Kg	120		13	25.8	ug/Kg	138		4.4	8.73	ug/Kg
Naphthalene	10.9		3.4	6.83	ug/Kg	16	<RDL	13	25.8	ug/Kg	6.8	<RDL	4.4	8.73	ug/Kg
N-Nitrosodiphenylamine		<MDL	6.8	13.7	ug/Kg		<MDL	26	51.7	ug/Kg		<MDL	8.7	17.5	ug/Kg
Pentachlorophenol		<MDL	17	34.1	ug/Kg		<MDL	65	129	ug/Kg		<MDL	22	43.7	ug/Kg
Phenanthrene	128		3.4	6.83	ug/Kg	195		13	25.8	ug/Kg	158		4.4	8.73	ug/Kg
Phenol	51		6.8	13.7	ug/Kg	258		26	51.7	ug/Kg	89.7	J	8.7	17.5	ug/Kg
Pyrene	462		3.4	6.83	ug/Kg	690		13	25.8	ug/Kg	389		4.4	8.73	ug/Kg
Total HPAHS	2150		3.4	6.83	ug/Kg	3010		13	25.8	ug/Kg	2380		4.4	8.73	ug/Kg
Total LPAHs	253		3.4	6.83	ug/Kg	350		13	25.8	ug/Kg	312		4.4	8.73	ug/Kg

* Not converted to dry weight basis

Table B-5. 2010 Sediment Chemistry Results, Post Operation Year Five Sediment Monitoring

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	Locator: DWMP-07					Locator: DWMP-08					Locator: DWMP-08				
	Sample: L50382-7					Sample: L50382-8					Sample: L50382-9				
	ColDate: 4/6/10 10:38					ColDate: 4/5/10 12:30					ColDate: 4/5/10 12:13				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
CV ASTM D422															
Fines*	32		0.84	1.69	%	46.1		1.1	2.14	%	43.1		0.86	1.72	%
Gravel*	16.2		0.17	1.69	%	9.7		0.21	2.14	%	11.9		0.17	1.72	%
Sand*	53.9		0.17	1.69	%	39.5		0.21	2.14	%	45.2		0.17	1.72	%
Silt*	26.1		0.84	1.69	%	35.4		1.1	2.14	%	34.5		0.86	1.72	%
Clay*	5.9		0.84	1.69	%	10.7		1.1	2.14	%	8.6		0.86	1.72	%
p+0.00*	2.8		0.17	1.69	%	3.9		0.21	2.14	%	7.1		0.17	1.72	%
p+1.00*		<MDL	0.17	1.69	%	7.9		0.21	2.14	%	12		0.17	1.72	%
p+10.0(equal/more than)*	4.2		0.84	1.69	%	5.4		1.1	2.14	%	5.2		0.86	1.72	%
p+2.00*	34.7		0.17	1.69	%	10.4		0.21	2.14	%	20.2		0.17	1.72	%
p+3.00*	12.9		0.17	1.69	%	13.7		0.21	2.14	%	0.7	<RDL	0.17	1.72	%
p+4.00*	3.6		0.17	1.69	%	3.5		0.21	2.14	%	5.2		0.17	1.72	%
p+5.00*	15.2		0.84	1.69	%	8.6		1.1	2.14	%	9.5		0.86	1.72	%
p+6.00*	4.2		0.84	1.69	%	16.1		1.1	2.14	%	13.8		0.86	1.72	%
p+7.00*	3.4		0.84	1.69	%	5.4		1.1	2.14	%	6.9		0.86	1.72	%
p+8.00*	3.4		0.84	1.69	%	5.4		1.1	2.14	%	4.3		0.86	1.72	%
p+9.00*	1.7	RDL	0.84	1.69	%	5.4		1.1	2.14	%	3.4		0.86	1.72	%
p-1.00*	4.7		0.17	1.69	%		<MDL	0.21	2.14	%	6.6		0.17	1.72	%
p-2.00(less than)*	9.8		0.17	1.69	%	6.2		0.21	2.14	%	3.4		0.17	1.72	%
p-2.00*	1.6	<RDL	0.17	1.69	%	3.5		0.21	2.14	%	2		0.17	1.72	%
CV EPA 9030B/SM4500-S2-D															
Total Sulfide	1.6	<RDL	0.83	3.29	mg/Kg	16		1	4.17	mg/Kg	32.4		0.92	3.66	mg/Kg
CV SM2540-G															
Total Solids*	59.3		0.005	0.01	%	47		0.005	0.01	%	54.6		0.005	0.01	%
CV SM4500-NH3-G KCL															
Ammonia Nitrogen	1.19		0.17	0.331	mg/Kg	2.19		0.21	0.413	mg/Kg	2.12		0.18	0.355	mg/Kg
CV SW846 9060-PSEP96															
Total Organic Carbon	10400		1900	3740	mg/Kg	24500		2000	4000	mg/Kg	20000		2000	4050	mg/Kg
MT SW846 3050B*SW846 6010C															
Arsenic, Total, ICP	7.1	<RDL	2.2	10.8	mg/Kg	9.6	<RDL	2.8	13.4	mg/Kg	7	<RDL	2.2	11.3	mg/Kg
Cadmium, Total, ICP	0.19	<RDL	0.17	0.863	mg/Kg	1.13		0.21	1.08	mg/Kg	0.68	<RDL	0.18	0.907	mg/Kg
Chromium, Total, ICP	30		0.25	1.29	mg/Kg	47		0.32	1.61	mg/Kg	39		0.27	1.36	mg/Kg
Copper, Total, ICP	33.6		0.34	1.72	mg/Kg	226		0.43	2.15	mg/Kg	48.9		0.37	1.81	mg/Kg
Lead, Total, ICP	25.5		1.7	8.63	mg/Kg	99.1		2.1	10.8	mg/Kg	61.7		1.8	9.07	mg/Kg
Silver, Total, ICP	1.96		0.34	1.72	mg/Kg	7.17		0.43	2.15	mg/Kg	4.23		0.37	1.81	mg/Kg
Zinc, Total, ICP	58.5		0.44	2.16	mg/Kg	131		0.53	2.68	mg/Kg	86.6		0.46	2.27	mg/Kg
MT SW846 7471B															
Mercury, Total, CVAA	0.24	<RDL	0.034	0.337	mg/Kg	0.632		0.043	0.417	mg/Kg	0.619		0.037	0.364	mg/Kg
OR SW846 3550B*SW846 8081B															
4,4'-DDD	3	<RDL	1.7	3.37	ug/Kg	16		2.1	4.26	ug/Kg	11.3		1.8	3.66	ug/Kg
4,4'-DDE		<MDL	1.7	3.37	ug/Kg	6.81		2.1	4.26	ug/Kg	4.45		1.8	3.66	ug/Kg
4,4'-DDT	4.4		1.7	3.37	ug/Kg	7.3		2.1	4.26	ug/Kg	5.33		1.8	3.66	ug/Kg
OR SW846 3550B*SW846 8082A															
Aroclor 1016		<MDL,TA	5.4	10.8	ug/Kg		<MDL,TA	51	102	ug/Kg		<MDL,TA	44	87.9	ug/Kg
Aroclor 1221		<MDL,TA	6.7	13.5	ug/Kg		<MDL,TA	17	34	ug/Kg		<MDL,TA	15	29.3	ug/Kg
Aroclor 1232		<MDL,TA	10	20.2	ug/Kg		<MDL,TA	130	255	ug/Kg		<MDL,TA	88	176	ug/Kg
Aroclor 1242		<MDL,TA	20	40.5	ug/Kg		<MDL,TA	130	255	ug/Kg		<MDL,TA	88	176	ug/Kg
Aroclor 1248	14.7		1.7	3.37	ug/Kg	98.9		2.1	4.26	ug/Kg	87.7		1.8	3.66	ug/Kg
Aroclor 1254	48.9		1.7	3.37	ug/Kg	228	TA	2.1	4.26	ug/Kg	178	TA	1.8	3.66	ug/Kg
Aroclor 1260	38.1		1.7	3.37	ug/Kg	105		2.1	4.26	ug/Kg	98.2		1.8	3.66	ug/Kg
Total Aroclors	102		1.7	3.37	ug/Kg	413		2.1	4.26	ug/Kg	364		1.8	3.66	ug/Kg
OR SW846 3550B*SW846 8270D															

Table B-5. 2010 Sediment Chemistry Results, Post Operation Year Five Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-07					Locator: DWMP-08					Locator: DWMP-08				
	Sample: L50382-7					Sample: L50382-8					Sample: L50382-9				
	ColDate: 4/6/10 10:38					ColDate: 4/5/10 12:30					ColDate: 4/5/10 12:13				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
1,2,4-Trichlorobenzene		<MDL	0.17	0.337	ug/Kg		<MDL	1.1	2.13	ug/Kg		<MDL	0.18	0.366	ug/Kg
1,2-Dichlorobenzene	0.62	<RDL	0.34	0.675	ug/Kg		<MDL	2.1	4.26	ug/Kg	1.98		0.37	0.733	ug/Kg
1,3-Dichlorobenzene		<MDL	0.34	0.675	ug/Kg		<MDL	2.1	4.26	ug/Kg		<MDL	0.37	0.733	ug/Kg
1,4-Dichlorobenzene	2.93		0.34	0.675	ug/Kg	10.7		2.1	4.26	ug/Kg	7.62		0.37	0.733	ug/Kg
2,4-Dimethylphenol		<MDL	1.7	3.37	ug/Kg		<MDL	11	21.3	ug/Kg		<MDL	1.8	3.66	ug/Kg
2-Methylnaphthalene	4.2	<RDL	3.4	6.75	ug/Kg		<MDL	21	42.6	ug/Kg	21.6		3.7	7.33	ug/Kg
2-Methylphenol		<MDL	3.4	6.75	ug/Kg		<MDL	21	42.6	ug/Kg		<MDL	3.7	7.33	ug/Kg
4-Methylphenol	43		6.7	13.5	ug/Kg	72	<RDL	43	85.1	ug/Kg	131		7.3	14.7	ug/Kg
Acenaphthene	7.05		3.4	6.75	ug/Kg		<MDL	21	42.6	ug/Kg	14.8		3.7	7.33	ug/Kg
Acenaphthylene	7.3		3.4	6.75	ug/Kg		<MDL	21	42.6	ug/Kg	59.3		3.7	7.33	ug/Kg
Anthracene	46.2		3.4	6.75	ug/Kg	88.1		21	42.6	ug/Kg	1130		3.7	7.33	ug/Kg
Benzo(a)anthracene	134		3.4	6.75	ug/Kg	202		21	42.6	ug/Kg	4450		3.7	7.33	ug/Kg
Benzo(a)pyrene	125		3.4	6.75	ug/Kg	257		21	42.6	ug/Kg	3410		3.7	7.33	ug/Kg
Benzo(b)fluoranthene	155		3.4	6.75	ug/Kg	300		21	42.6	ug/Kg	4030		3.7	7.33	ug/Kg
Benzo(g,h,i)perylene	85.2		3.4	6.75	ug/Kg	164		21	42.6	ug/Kg	828		3.7	7.33	ug/Kg
Benzo(k)fluoranthene	139		3.4	6.75	ug/Kg	347		21	42.6	ug/Kg	3190		3.7	7.33	ug/Kg
Benzoic Acid	89.7	B,JG	17	33.7	ug/Kg		<MDL,JG	110	213	ug/Kg	122	B,JG	18	36.6	ug/Kg
Benzyl Alcohol		<MDL	3.4	6.75	ug/Kg		<MDL	21	42.6	ug/Kg		<MDL	3.7	7.33	ug/Kg
Benzyl Butyl Phthalate	20.6		1.7	3.37	ug/Kg	88.9		11	21.3	ug/Kg	156		1.8	3.66	ug/Kg
Bis(2-Ethylhexyl)Phthalate	251		6.7	13.5	ug/Kg	1450		43	85.1	ug/Kg	1220		7.3	14.7	ug/Kg
Caffeine		<MDL	6.7	13.5	ug/Kg		<MDL	43	85.1	ug/Kg		<MDL	7.3	14.7	ug/Kg
Carbazole	15.1		3.4	6.75	ug/Kg	30	<RDL	21	42.6	ug/Kg	89		3.7	7.33	ug/Kg
Chrysene	145		3.4	6.75	ug/Kg	296		21	42.6	ug/Kg	4010		3.7	7.33	ug/Kg
Coprostanol		<MDL	67	135	ug/Kg		<MDL	430	851	ug/Kg		<MDL	73	147	ug/Kg
Dibenzo(a,h)anthracene	34.2		3.4	6.75	ug/Kg	74.3		21	42.6	ug/Kg	625		3.7	7.33	ug/Kg
Dibenzofuran	5.1	<RDL	3.4	6.75	ug/Kg		<MDL	21	42.6	ug/Kg	25.1		3.7	7.33	ug/Kg
Diethyl Phthalate		<MDL	6.7	13.5	ug/Kg		<MDL	43	85.1	ug/Kg		<MDL	7.3	14.7	ug/Kg
Dimethyl Phthalate		<MDL	6.7	13.5	ug/Kg		<MDL	43	85.1	ug/Kg		<MDL	7.3	14.7	ug/Kg
Di-N-Butyl Phthalate	13.8		6.7	13.5	ug/Kg		<MDL	43	85.1	ug/Kg		<MDL	7.3	14.7	ug/Kg
Di-N-Octyl Phthalate		<MDL	6.7	13.5	ug/Kg		<MDL	43	85.1	ug/Kg		<MDL	7.3	14.7	ug/Kg
Fluoranthene	202		3.4	6.75	ug/Kg	349		21	42.6	ug/Kg	5550		3.7	7.33	ug/Kg
Fluorene	11.8		3.4	6.75	ug/Kg	23	<RDL	21	42.6	ug/Kg	119		3.7	7.33	ug/Kg
Hexachlorobenzene		<MDL	0.17	0.337	ug/Kg		<MDL	1.1	2.13	ug/Kg		<MDL	0.18	0.366	ug/Kg
Hexachlorobutadiene		<MDL	0.84	1.69	ug/Kg		<MDL	5.3	10.6	ug/Kg		<MDL	0.92	1.83	ug/Kg
Hexachloroethane		<MDL	1.7	3.37	ug/Kg		<MDL	11	21.3	ug/Kg		<MDL	1.8	3.66	ug/Kg
Indeno(1,2,3-Cd)Pyrene	73.4		3.4	6.75	ug/Kg	144		21	42.6	ug/Kg	1140		3.7	7.33	ug/Kg
Naphthalene	5.7	<RDL	3.4	6.75	ug/Kg		<MDL	21	42.6	ug/Kg	12.7		3.7	7.33	ug/Kg
N-Nitrosodiphenylamine		<MDL	6.7	13.5	ug/Kg		<MDL	43	85.1	ug/Kg		<MDL	7.3	14.7	ug/Kg
Pentachlorophenol		<MDL	17	33.7	ug/Kg		<MDL	110	213	ug/Kg		<MDL	18	36.6	ug/Kg
Phenanthrene	95.4		3.4	6.75	ug/Kg	144		21	42.6	ug/Kg	690		3.7	7.33	ug/Kg
Phenol		<MDL	6.7	13.5	ug/Kg	97.2		43	85.1	ug/Kg		<MDL	7.3	14.7	ug/Kg
Pyrene	218		3.4	6.75	ug/Kg	1100		21	42.6	ug/Kg	7070		3.7	7.33	ug/Kg
Total HPAHS	1310		3.4	6.75	ug/Kg	3230		21	42.6	ug/Kg	34200		3.7	7.33	ug/Kg
Total LPAHs	177		3.4	6.75	ug/Kg	306		21	42.6	ug/Kg	2030		3.7	7.33	ug/Kg

* Not converted to dry weight basis

Table B-5. 2010 Sediment Chemistry Results, Post Operation Year Five Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-09					Locator: DWMP-10					Locator: DWMP-11				
	Sample: L50382-10					Sample: L50382-11					Sample: L50382-12				
	ColDate: 4/5/10 12:50					ColDate: 4/5/10 13:15					ColDate: 4/6/10 10:20				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
CV ASTM D422															
Fines*	91.7		1.4	2.87	%	1.2	RDL	0.6	1.2	%	26		1	2	%
Gravel*	1.6	<RDL	0.29	2.87	%	41.1		0.12	1.2	%	3.6		0.2	2	%
Sand*	16.4		0.29	2.87	%	57.3		0.12	1.2	%	61.1		0.2	2	%
Silt*	57.3		1.4	2.87	%	0.6	<RDL	0.6	1.2	%	16		1	2	%
Clay*	34.4		1.4	2.87	%	0.6	<RDL	0.6	1.2	%	10		1	2	%
p+0.00*	1.3	<RDL	0.29	2.87	%	14.5		0.12	1.2	%	1.9	<RDL	0.2	2	%
p+1.00*	4.1		0.29	2.87	%	21.2		0.12	1.2	%	11.1		0.2	2	%
p+10.0(equal/more than)*	31.5		1.4	2.87	%	0.6	<RDL	0.6	1.2	%	7		1	2	%
p+2.00*	3.5		0.29	2.87	%	17.5		0.12	1.2	%	35.9		0.2	2	%
p+3.00*	4.4		0.29	2.87	%	3.4		0.12	1.2	%	8.6		0.2	2	%
p+4.00*	3.1		0.29	2.87	%	0.7	<RDL	0.12	1.2	%	3.7		0.2	2	%
p+5.00*	28.7		1.4	2.87	%		<MDL	0.6	1.2	%	7		1	2	%
p+6.00*	12.9		1.4	2.87	%		<MDL	0.6	1.2	%		<MDL	1	2	%
p+7.00*	10		1.4	2.87	%		<MDL	0.6	1.2	%	6		1	2	%
p+8.00*	5.7		1.4	2.87	%	0.6	<RDL	0.6	1.2	%	2	RDL	1	2	%
p+9.00*	2.9	RDL	1.4	2.87	%		<MDL	0.6	1.2	%	3		1	2	%
p-1.00*		<MDL	0.29	2.87	%	15.3		0.12	1.2	%	1.1	<RDL	0.2	2	%
p-2.00(less than)*	0.9	<RDL	0.29	2.87	%	20.7		0.12	1.2	%	1.6	<RDL	0.2	2	%
p-2.00*	0.7	<RDL	0.29	2.87	%	5.1		0.12	1.2	%	0.9	<RDL	0.2	2	%
CV EPA 9030B/SM4500-S2-D															
Total Sulfide	10.8		1.3	5.13	mg/Kg	0.85	<RDL	0.57	2.26	mg/Kg	23.5		0.84	3.37	mg/Kg
CV SM2540-G															
Total Solids*	39		0.005	0.01	%	86.7		0.005	0.01	%	58.2		0.005	0.01	%
CV SM4500-NH3-G KCL															
Ammonia Nitrogen	2.37		0.25	0.503	mg/Kg	1.55		0.11	0.228	mg/Kg	1.16		0.17	0.333	mg/Kg
CV SW846 9060-PSEP96															
Total Organic Carbon	30800		3800	7590	mg/Kg	1420		480	975	mg/Kg	16400		1900	3930	mg/Kg
MT SW846 3050B*SW846 6010C															
Arsenic, Total, ICP	9	<RDL	3.1	15.5	mg/Kg	1.8	<RDL	1.4	7.01	mg/Kg	5.2	<RDL	2.1	10.7	mg/Kg
Cadmium, Total, ICP	0.56	<RDL	0.25	1.24	mg/Kg		<MDL	0.11	0.561	mg/Kg	0.24	<RDL	0.17	0.852	mg/Kg
Chromium, Total, ICP	45.9		0.38	1.86	mg/Kg	12.1		0.17	0.841	mg/Kg	24.6		0.26	1.28	mg/Kg
Copper, Total, ICP	63.8		0.49	2.48	mg/Kg	11.5		0.22	1.12	mg/Kg	28.9		0.34	1.71	mg/Kg
Lead, Total, ICP	69.2		2.5	12.4	mg/Kg	3.3	<RDL	1.1	5.61	mg/Kg	26.5		1.7	8.52	mg/Kg
Silver, Total, ICP	3.85		0.49	2.48	mg/Kg	0.78	<RDL	0.22	1.12	mg/Kg	2.13		0.34	1.71	mg/Kg
Zinc, Total, ICP	97.9		0.62	3.1	mg/Kg	24.6		0.28	1.41	mg/Kg	69.1		0.43	2.13	mg/Kg
MT SW846 7471B															
Mercury, Total, CVAA	0.528		0.051	0.5	mg/Kg	0.02	<RDL	0.0057	0.0565	mg/Kg	0.17	<RDL	0.034	0.342	mg/Kg
OR SW846 3550B*SW846 8081B															
4,4'-DDD	5.18		2.6	5.13	ug/Kg		<MDL	1.2	2.31	ug/Kg	2.2	<RDL	1.7	3.44	ug/Kg
4,4'-DDE		<MDL	2.6	5.13	ug/Kg		<MDL	1.2	2.31	ug/Kg		<MDL	1.7	3.44	ug/Kg
4,4'-DDT	3.1	<RDL	2.6	5.13	ug/Kg		<MDL	1.2	2.31	ug/Kg		<MDL	1.7	3.44	ug/Kg
OR SW846 3550B*SW846 8082A															
Aroclor 1016		<MDL,TA	21	41	ug/Kg		<MDL	1.2	2.31	ug/Kg		<MDL,TA	6.9	13.7	ug/Kg
Aroclor 1221		<MDL,TA	10	20.5	ug/Kg		<MDL	2.3	4.61	ug/Kg		<MDL,TA	6.9	13.7	ug/Kg
Aroclor 1232		<MDL,TA	51	103	ug/Kg		<MDL	2.3	4.61	ug/Kg		<MDL,TA	17	34.4	ug/Kg
Aroclor 1242		<MDL,TA	62	123	ug/Kg		<MDL	1.2	2.31	ug/Kg		<MDL,TA	27	55	ug/Kg
Aroclor 1248	74.9		2.6	5.13	ug/Kg		<MDL	1.2	2.31	ug/Kg	17.9		1.7	3.44	ug/Kg
Aroclor 1254	238	TA	2.6	5.13	ug/Kg	2.3	<RDL	1.2	2.31	ug/Kg	51.5		1.7	3.44	ug/Kg
Aroclor 1260	123		2.6	5.13	ug/Kg	1.5	<RDL	1.2	2.31	ug/Kg	37.3		1.7	3.44	ug/Kg
Total Aroclors	436		2.6	5.13	ug/Kg	2.3	<RDL	1.2	2.31	ug/Kg	107		1.7	3.44	ug/Kg
OR SW846 3550B*SW846 8270D															

Table B-5. 2010 Sediment Chemistry Results, Post Operation Year Five Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-09					Locator: DWMP-10					Locator: DWMP-11				
	Sample: L50382-10					Sample: L50382-11					Sample: L50382-12				
	ColDate: 4/5/10 12:50					ColDate: 4/5/10 13:15					ColDate: 4/6/10 10:20				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
1,2,4-Trichlorobenzene		<MDL	0.26	0.513	ug/Kg		<MDL	0.12	0.231	ug/Kg		<MDL	0.17	0.344	ug/Kg
1,2-Dichlorobenzene	1.34		0.51	1.03	ug/Kg	0.36	<RDL	0.23	0.461	ug/Kg	0.759		0.34	0.687	ug/Kg
1,3-Dichlorobenzene		<MDL	0.51	1.03	ug/Kg		<MDL	0.23	0.461	ug/Kg		<MDL	0.34	0.687	ug/Kg
1,4-Dichlorobenzene	3.13		0.51	1.03	ug/Kg	0.689		0.23	0.461	ug/Kg	1.98		0.34	0.687	ug/Kg
2,4-Dimethylphenol		<MDL	2.6	5.13	ug/Kg		<MDL	1.2	2.31	ug/Kg		<MDL	1.7	3.44	ug/Kg
2-Methylnaphthalene	9.7	<RDL	5.1	10.3	ug/Kg		<MDL	2.3	4.61	ug/Kg		<MDL	3.4	6.87	ug/Kg
2-Methylphenol		<MDL	5.1	10.3	ug/Kg		<MDL	2.3	4.61	ug/Kg		<MDL	3.4	6.87	ug/Kg
4-Methylphenol	164		10	20.5	ug/Kg		<MDL	4.6	9.23	ug/Kg	64.9		6.9	13.7	ug/Kg
Acenaphthene	22.6		5.1	10.3	ug/Kg		<MDL	2.3	4.61	ug/Kg	13.6		3.4	6.87	ug/Kg
Acenaphthylene	19.1		5.1	10.3	ug/Kg		<MDL	2.3	4.61	ug/Kg	7.06		3.4	6.87	ug/Kg
Anthracene	92.6		5.1	10.3	ug/Kg	23.1		2.3	4.61	ug/Kg	73.2		3.4	6.87	ug/Kg
Benzo(a)anthracene	227		5.1	10.3	ug/Kg	20.2		2.3	4.61	ug/Kg	140		3.4	6.87	ug/Kg
Benzo(a)pyrene	297		5.1	10.3	ug/Kg	18.5		2.3	4.61	ug/Kg	148		3.4	6.87	ug/Kg
Benzo(b)fluoranthene	292		5.1	10.3	ug/Kg	24.6		2.3	4.61	ug/Kg	164		3.4	6.87	ug/Kg
Benzo(g,h,i)perylene	186		5.1	10.3	ug/Kg	11.1		2.3	4.61	ug/Kg	92.4		3.4	6.87	ug/Kg
Benzo(k)fluoranthene	323		5.1	10.3	ug/Kg	28.8		2.3	4.61	ug/Kg	153		3.4	6.87	ug/Kg
Benzoic Acid	128	B,JG	26	51.3	ug/Kg	145	B,JG	12	23.1	ug/Kg	94.3	B,JG	17	34.4	ug/Kg
Benzyl Alcohol		<MDL	5.1	10.3	ug/Kg		<MDL	2.3	4.61	ug/Kg		<MDL	3.4	6.87	ug/Kg
Benzyl Butyl Phthalate	40.3		2.6	5.13	ug/Kg	4.31	B	1.2	2.31	ug/Kg	21		1.7	3.44	ug/Kg
Bis(2-Ethylhexyl)Phthalate	556		10	20.5	ug/Kg	23.6		4.6	9.23	ug/Kg	206		6.9	13.7	ug/Kg
Caffeine		<MDL	10	20.5	ug/Kg		<MDL	4.6	9.23	ug/Kg		<MDL	6.9	13.7	ug/Kg
Carbazole	39.2		5.1	10.3	ug/Kg	7.3		2.3	4.61	ug/Kg	19.1		3.4	6.87	ug/Kg
Chrysene	338		5.1	10.3	ug/Kg	37.5		2.3	4.61	ug/Kg	166		3.4	6.87	ug/Kg
Coprostanol		<MDL	100	205	ug/Kg		<MDL	46	92.3	ug/Kg		<MDL	69	137	ug/Kg
Dibenzo(a,h)anthracene	72.1		5.1	10.3	ug/Kg	4.88		2.3	4.61	ug/Kg	37.6		3.4	6.87	ug/Kg
Dibenzofuran	11.4		5.1	10.3	ug/Kg		<MDL	2.3	4.61	ug/Kg	7.65		3.4	6.87	ug/Kg
Diethyl Phthalate		<MDL	10	20.5	ug/Kg		<MDL	4.6	9.23	ug/Kg		<MDL	6.9	13.7	ug/Kg
Dimethyl Phthalate		<MDL	10	20.5	ug/Kg		<MDL	4.6	9.23	ug/Kg		<MDL	6.9	13.7	ug/Kg
Di-N-Butyl Phthalate	23.1		10	20.5	ug/Kg	7.3	<RDL	4.6	9.23	ug/Kg	15.9		6.9	13.7	ug/Kg
Di-N-Octyl Phthalate		<MDL	10	20.5	ug/Kg		<MDL	4.6	9.23	ug/Kg		<MDL	6.9	13.7	ug/Kg
Fluoranthene	449		5.1	10.3	ug/Kg	40.8		2.3	4.61	ug/Kg	256		3.4	6.87	ug/Kg
Fluorene	26.4		5.1	10.3	ug/Kg	3.2	<RDL	2.3	4.61	ug/Kg	16.9		3.4	6.87	ug/Kg
Hexachlorobenzene		<MDL	0.26	0.513	ug/Kg		<MDL	0.12	0.231	ug/Kg		<MDL	0.17	0.344	ug/Kg
Hexachlorobutadiene		<MDL	1.3	2.56	ug/Kg		<MDL	0.58	1.15	ug/Kg		<MDL	0.86	1.72	ug/Kg
Hexachloroethane		<MDL	2.6	5.13	ug/Kg		<MDL	1.2	2.31	ug/Kg		<MDL	1.7	3.44	ug/Kg
Indeno(1,2,3-Cd)Pyrene	156		5.1	10.3	ug/Kg	10.6		2.3	4.61	ug/Kg	78.7		3.4	6.87	ug/Kg
Naphthalene	15.1		5.1	10.3	ug/Kg		<MDL	2.3	4.61	ug/Kg	4	<RDL	3.4	6.87	ug/Kg
N-Nitrosodiphenylamine		<MDL	10	20.5	ug/Kg		<MDL	4.6	9.23	ug/Kg		<MDL	6.9	13.7	ug/Kg
Pentachlorophenol		<MDL	26	51.3	ug/Kg		<MDL	12	23.1	ug/Kg		<MDL	17	34.4	ug/Kg
Phenanthrene	228		5.1	10.3	ug/Kg	16.6		2.3	4.61	ug/Kg	140		3.4	6.87	ug/Kg
Phenol		<MDL	10	20.5	ug/Kg	113		4.6	9.23	ug/Kg	52.9		6.9	13.7	ug/Kg
Pyrene	528		5.1	10.3	ug/Kg	30.8		2.3	4.61	ug/Kg	277		3.4	6.87	ug/Kg
Total HPAHS	2870		5.1	10.3	ug/Kg	227		2.3	4.61	ug/Kg	1510		3.4	6.87	ug/Kg
Total LPAHs	415		5.1	10.3	ug/Kg	45.7		2.3	4.61	ug/Kg	258		3.4	6.87	ug/Kg

* Not converted to dry weight basis

Table B-5. 2010 Sediment Chemistry Results, Post Operation Year Five Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-12					Locator: DWMP-13					Locator: DWMP-14				
	Sample: L50382-13					Sample: L50382-14					Sample: L50382-15				
	ColDate: 4/6/10 10:05					ColDate: 4/6/10 9:18					ColDate: 4/5/10 10:10				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
CV ASTM D422															
Fines*	79		1.7	3.44	%	10.4		0.65	1.31	%	45.8		0.97	1.95	%
Gravel*	3	<RDL	0.34	3.44	%	42.3		0.13	1.31	%	1.6	<RDL	0.19	1.95	%
Sand*	24.6		0.34	3.44	%	56.4		0.13	1.31	%	42.7		0.19	1.95	%
Silt*	58.4		1.7	3.44	%	3.9		0.65	1.31	%	43.8		0.97	1.95	%
Clay*	20.6		1.7	3.44	%	6.5		0.65	1.31	%	1.9	RDL	0.97	1.95	%
p+0.00*	0.9	<RDL	0.34	3.44	%	8.5		0.13	1.31	%	0.8	<RDL	0.19	1.95	%
p+1.00*	3.1	<RDL	0.34	3.44	%	11.3		0.13	1.31	%	1.7	<RDL	0.19	1.95	%
p+10.0(equal/more than)*	17.2		1.7	3.44	%	5.2		0.65	1.31	%		<MDL	0.97	1.95	%
p+2.00*	9.7		0.34	3.44	%	23.8		0.13	1.31	%	7.7		0.19	1.95	%
p+3.00*	10.2		0.34	3.44	%	10.8		0.13	1.31	%	19.8		0.19	1.95	%
p+4.00*	0.7	<RDL	0.34	3.44	%	2.1		0.13	1.31	%	12.6		0.19	1.95	%
p+5.00*	34.4		1.7	3.44	%		<MDL	0.65	1.31	%	9.7		0.97	1.95	%
p+6.00*	8.6		1.7	3.44	%		<MDL	0.65	1.31	%	21.4		0.97	1.95	%
p+7.00*	10.3		1.7	3.44	%	2.6		0.65	1.31	%	9.7		0.97	1.95	%
p+8.00*	5.2		1.7	3.44	%	1.3	RDL	0.65	1.31	%	2.9		0.97	1.95	%
p+9.00*	3.4	RDL	1.7	3.44	%	1.3	RDL	0.65	1.31	%	1.9	RDL	0.97	1.95	%
p-1.00*	1.3	<RDL	0.34	3.44	%	11.7		0.13	1.31	%	0.6	<RDL	0.19	1.95	%
p-2.00(less than)*	0.7	<RDL	0.34	3.44	%	28.3		0.13	1.31	%	0.4	<RDL	0.19	1.95	%
p-2.00*	1	<RDL	0.34	3.44	%	2.2		0.13	1.31	%	0.6	<RDL	0.19	1.95	%
CV EPA 9030B/SM4500-S2-D															
Total Sulfide	143		8.2	33.7	mg/Kg	35.5		3	12.1	mg/Kg	87.7		4.6	18.4	mg/Kg
CV SM2540-G															
Total Solids*	29.1		0.005	0.01	%	82.9		0.005	0.01	%	53.8		0.005	0.01	%
CV SM4500-NH3-G KCL															
Ammonia Nitrogen	2.82		0.34	0.68	mg/Kg	2.26		0.12	0.234	mg/Kg	1.75		0.18	0.353	mg/Kg
CV SW846 9060-PSEP96															
Total Organic Carbon	43300		3800	7490	mg/Kg	7490		470	938	mg/Kg	22700		2000	4070	mg/Kg
MT SW846 3050B*SW846 6010C															
Arsenic, Total, ICP	10	<RDL	4.5	21.8	mg/Kg	2.3	<RDL	1.6	7.77	mg/Kg	8.7	<RDL	2.4	11.8	mg/Kg
Cadmium, Total, ICP	0.55	<RDL	0.34	1.74	mg/Kg		<MDL	0.12	0.621	mg/Kg	0.91	<RDL	0.19	0.942	mg/Kg
Chromium, Total, ICP	47.1		0.52	2.62	mg/Kg	13.9		0.18	0.932	mg/Kg	50		0.28	1.41	mg/Kg
Copper, Total, ICP	58.8		0.69	3.47	mg/Kg	15.3		0.25	1.24	mg/Kg	69.9		0.37	1.88	mg/Kg
Lead, Total, ICP	51.5		3.4	17.4	mg/Kg	12.2		1.2	6.21	mg/Kg	104		1.9	9.42	mg/Kg
Silver, Total, ICP	3.75		0.69	3.47	mg/Kg	0.8	<RDL	0.25	1.24	mg/Kg	5.61		0.37	1.88	mg/Kg
Zinc, Total, ICP	94.8		0.86	4.36	mg/Kg	33.8		0.31	1.56	mg/Kg	115		0.46	2.36	mg/Kg
MT SW846 7471B															
Mercury, Total, CVAA	0.38	<RDL	0.069	0.687	mg/Kg	0.035	<RDL	0.024	0.24	mg/Kg	0.606		0.037	0.372	mg/Kg
OR SW846 3550B*SW846 8081B															
4,4'-DDD		<MDL	3.4	6.87	ug/Kg	1.3	<RDL	1.2	2.41	ug/Kg	17.4		1.9	3.72	ug/Kg
4,4'-DDE		<MDL	3.4	6.87	ug/Kg		<MDL	1.2	2.41	ug/Kg	5.72		1.9	3.72	ug/Kg
4,4'-DDT		<MDL	3.4	6.87	ug/Kg		<MDL	1.2	2.41	ug/Kg	14.6		1.9	3.72	ug/Kg
OR SW846 3550B*SW846 8082A															
Aroclor 1016		<MDL,TA	14	27.5	ug/Kg		<MDL,TA	3.4	6.76	ug/Kg		<MDL,TA	52	104	ug/Kg
Aroclor 1221		<MDL	6.9	13.7	ug/Kg		<MDL,TA	4.8	9.65	ug/Kg		<MDL,TA	15	29.7	ug/Kg
Aroclor 1232		<MDL,TA	34	68.7	ug/Kg		<MDL,TA	9.7	19.3	ug/Kg		<MDL,TA	110	223	ug/Kg
Aroclor 1242		<MDL,TA	41	82.5	ug/Kg		<MDL,TA	9.7	19.3	ug/Kg		<MDL,TA	150	297	ug/Kg
Aroclor 1248	34.7		3.4	6.87	ug/Kg	8.18		1.2	2.41	ug/Kg	116		1.9	3.72	ug/Kg
Aroclor 1254	100		3.4	6.87	ug/Kg	17.1		1.2	2.41	ug/Kg	216	TA	1.9	3.72	ug/Kg
Aroclor 1260	82.5		3.4	6.87	ug/Kg	6.26		1.2	2.41	ug/Kg	148		1.9	3.72	ug/Kg
Total Aroclors	217		3.4	6.87	ug/Kg	31.6		1.2	2.41	ug/Kg	481		1.9	3.72	ug/Kg
OR SW846 3550B*SW846 8270D															

Table B-5. 2010 Sediment Chemistry Results, Post Operation Year Five Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-12					Locator: DWMP-13					Locator: DWMP-14				
	Sample: L50382-13					Sample: L50382-14					Sample: L50382-15				
	ColDate: 4/6/10 10:05					ColDate: 4/6/10 9:18					ColDate: 4/5/10 10:10				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
1,2,4-Trichlorobenzene		<MDL	0.34	0.687	ug/Kg		<MDL	1.2	2.41	ug/Kg		<MDL	0.19	0.372	ug/Kg
1,2-Dichlorobenzene	1.75		0.69	1.37	ug/Kg		<MDL	2.4	4.83	ug/Kg		<MDL	0.37	0.743	ug/Kg
1,3-Dichlorobenzene		<MDL	0.69	1.37	ug/Kg		<MDL	2.4	4.83	ug/Kg		<MDL	0.37	0.743	ug/Kg
1,4-Dichlorobenzene	2.85		0.69	1.37	ug/Kg		<MDL	2.4	4.83	ug/Kg		<MDL	0.37	0.743	ug/Kg
2,4-Dimethylphenol		<MDL	3.4	6.87	ug/Kg		<MDL	12	24.1	ug/Kg		<MDL	1.9	3.72	ug/Kg
2-Methylnaphthalene		<MDL	6.9	13.7	ug/Kg		<MDL	24	48.3	ug/Kg	19.9		3.7	7.43	ug/Kg
2-Methylphenol		<MDL	6.9	13.7	ug/Kg		<MDL	24	48.3	ug/Kg		<MDL	3.7	7.43	ug/Kg
4-Methylphenol	193		14	27.5	ug/Kg		<MDL	48	96.5	ug/Kg	84.9		7.4	14.9	ug/Kg
Acenaphthene	16.7		6.9	13.7	ug/Kg		<MDL	24	48.3	ug/Kg	44.4		3.7	7.43	ug/Kg
Acenaphthylene	25.8		6.9	13.7	ug/Kg		<MDL	24	48.3	ug/Kg	23.4		3.7	7.43	ug/Kg
Anthracene	132		6.9	13.7	ug/Kg	312		24	48.3	ug/Kg	118		3.7	7.43	ug/Kg
Benzo(a)anthracene	253		6.9	13.7	ug/Kg	245		24	48.3	ug/Kg	388		3.7	7.43	ug/Kg
Benzo(a)pyrene	357		6.9	13.7	ug/Kg	179		24	48.3	ug/Kg	491		3.7	7.43	ug/Kg
Benzo(b)fluoranthene	361		6.9	13.7	ug/Kg	181		24	48.3	ug/Kg	494		3.7	7.43	ug/Kg
Benzo(g,h,i)perylene	229		6.9	13.7	ug/Kg	110		24	48.3	ug/Kg	271		3.7	7.43	ug/Kg
Benzo(k)fluoranthene	334		6.9	13.7	ug/Kg	216		24	48.3	ug/Kg	487		3.7	7.43	ug/Kg
Benzoic Acid	191	B,JG	34	68.7	ug/Kg	390	JG	120	241	ug/Kg	84.8	B,JG	19	37.2	ug/Kg
Benzyl Alcohol		<MDL	6.9	13.7	ug/Kg		<MDL	24	48.3	ug/Kg		<MDL	3.7	7.43	ug/Kg
Benzyl Butyl Phthalate	34.4	B2	3.4	6.87	ug/Kg		<MDL	12	24.1	ug/Kg	103		1.9	3.72	ug/Kg
Bis(2-Ethylhexyl)Phthalate	512		14	27.5	ug/Kg	164		48	96.5	ug/Kg	1420		7.4	14.9	ug/Kg
Caffeine		<MDL	14	27.5	ug/Kg		<MDL	48	96.5	ug/Kg		<MDL	7.4	14.9	ug/Kg
Carbazole	34.2		6.9	13.7	ug/Kg	81.4		24	48.3	ug/Kg	42.6		3.7	7.43	ug/Kg
Chrysene	364		6.9	13.7	ug/Kg	361		24	48.3	ug/Kg	413		3.7	7.43	ug/Kg
Coprostanol		<MDL	140	275	ug/Kg		<MDL	480	965	ug/Kg		<MDL	74	149	ug/Kg
Dibenzo(a,h)anthracene	84.9		6.9	13.7	ug/Kg	58.4		24	48.3	ug/Kg	78.8		3.7	7.43	ug/Kg
Dibenzofuran	11	<RDL	6.9	13.7	ug/Kg		<MDL	24	48.3	ug/Kg	27.9		3.7	7.43	ug/Kg
Diethyl Phthalate		<MDL	14	27.5	ug/Kg		<MDL	48	96.5	ug/Kg		<MDL	7.4	14.9	ug/Kg
Dimethyl Phthalate	27.8		14	27.5	ug/Kg		<MDL	48	96.5	ug/Kg		<MDL	7.4	14.9	ug/Kg
Di-N-Butyl Phthalate	35.1		14	27.5	ug/Kg		<MDL	48	96.5	ug/Kg	48		7.4	14.9	ug/Kg
Di-N-Octyl Phthalate		<MDL	14	27.5	ug/Kg		<MDL	48	96.5	ug/Kg		<MDL	7.4	14.9	ug/Kg
Fluoranthene	433		6.9	13.7	ug/Kg	415		24	48.3	ug/Kg	582		3.7	7.43	ug/Kg
Fluorene	28		6.9	13.7	ug/Kg	55.7		24	48.3	ug/Kg	48		3.7	7.43	ug/Kg
Hexachlorobenzene		<MDL	0.34	0.687	ug/Kg		<MDL	1.2	2.41	ug/Kg		<MDL	0.19	0.372	ug/Kg
Hexachlorobutadiene		<MDL	1.7	3.44	ug/Kg		<MDL	6	12.1	ug/Kg		<MDL	0.93	1.86	ug/Kg
Hexachloroethane		<MDL	3.4	6.87	ug/Kg		<MDL	12	24.1	ug/Kg		<MDL	1.9	3.72	ug/Kg
Indeno(1,2,3-Cd)Pyrene	187		6.9	13.7	ug/Kg	76.8		24	48.3	ug/Kg	227		3.7	7.43	ug/Kg
Naphthalene	7.2	<RDL	6.9	13.7	ug/Kg		<MDL	24	48.3	ug/Kg	27.9		3.7	7.43	ug/Kg
N-Nitrosodiphenylamine		<MDL	14	27.5	ug/Kg		<MDL	48	96.5	ug/Kg		<MDL	7.4	14.9	ug/Kg
Pentachlorophenol		<MDL	34	68.7	ug/Kg		<MDL	120	241	ug/Kg		<MDL	19	37.2	ug/Kg
Phenanthrene	215		6.9	13.7	ug/Kg	195		24	48.3	ug/Kg	318		3.7	7.43	ug/Kg
Phenol	40.2		14	27.5	ug/Kg	274		48	96.5	ug/Kg	30.9		7.4	14.9	ug/Kg
Pyrene	491		6.9	13.7	ug/Kg	427		24	48.3	ug/Kg	941		3.7	7.43	ug/Kg
Total HPAHS	3090		6.9	13.7	ug/Kg	2270		24	48.3	ug/Kg	4370		3.7	7.43	ug/Kg
Total LPAHs	423		6.9	13.7	ug/Kg	563		24	48.3	ug/Kg	600		3.7	7.43	ug/Kg

* Not converted to dry weight basis

Table B-5. 2010 Sediment Chemistry Results, Post Operation Year Five Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-15					Locator: DWMP-16				
	Sample: L50382-16					Sample: L50382-17				
	ColDate: 4/5/10 9:45					ColDate: 4/6/10 9:50				
	Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
CV ASTM D422										
Fines*	47.5		0.85	1.7	%	68.8		1.1	2.29	%
Gravel*	19.9		0.17	1.7	%	6.6		0.23	2.29	%
Sand*	24.4		0.17	1.7	%	34.1		0.23	2.29	%
Silt*	28.9		0.85	1.7	%	50.5		1.1	2.29	%
Clay*	18.7		0.85	1.7	%	18.4		1.1	2.29	%
p+0.00*		<MDL	0.17	1.7	%	1.7	<RDL	0.23	2.29	%
p+1.00*	2.1		0.17	1.7	%	1.8	<RDL	0.23	2.29	%
p+10.0(equal/more than)*	11.9		0.85	1.7	%	12.6		1.1	2.29	%
p+2.00*	12.8		0.17	1.7	%	7.1		0.23	2.29	%
p+3.00*	9.5		0.17	1.7	%	12		0.23	2.29	%
p+4.00*		<MDL	0.17	1.7	%	11.5		0.23	2.29	%
p+5.00*	6.8		0.85	1.7	%	18.4		1.1	2.29	%
p+6.00*	10.2		0.85	1.7	%	13.8		1.1	2.29	%
p+7.00*	7.6		0.85	1.7	%	9.2		1.1	2.29	%
p+8.00*	4.2		0.85	1.7	%	9.2		1.1	2.29	%
p+9.00*	6.8		0.85	1.7	%	5.7		1.1	2.29	%
p-1.00*		<MDL	0.17	1.7	%	2.7		0.23	2.29	%
p-2.00(less than)*	19.9		0.17	1.7	%	2.8		0.23	2.29	%
p-2.00*		<MDL	0.17	1.7	%	1.1	<RDL	0.23	2.29	%
CV EPA 9030B/SM4500-S2-D										
Total Sulfide	9.34		0.82	3.27	mg/Kg	51.5		5.3	20.9	mg/Kg
CV SM2540-G										
Total Solids*	60.8		0.005	0.01	%	47.6		0.005	0.01	%
CV SM4500-NH3-G KCL										
Ammonia Nitrogen	1.4		0.16	0.322	mg/Kg	1.77		0.2	0.408	mg/Kg
CV SW846 9060-PSEP96										
Total Organic Carbon	10100		2000	3830	mg/Kg	18800		2000	3970	mg/Kg
MT SW846 3050B*SW846 6010C										
Arsenic, Total, ICP	9.4	<RDL	2.1	10.4	mg/Kg	9	<RDL	2.5	13.1	mg/Kg
Cadmium, Total, ICP	0.44	<RDL	0.16	0.831	mg/Kg	0.48	<RDL	0.21	1.05	mg/Kg
Chromium, Total, ICP	59.7		0.25	1.25	mg/Kg	61.1		0.32	1.57	mg/Kg
Copper, Total, ICP	51.8		0.33	1.66	mg/Kg	59		0.42	2.1	mg/Kg
Lead, Total, ICP	47.4		1.6	8.31	mg/Kg	53.8		2.1	10.5	mg/Kg
Silver, Total, ICP	3.54		0.33	1.66	mg/Kg	3.45		0.42	2.1	mg/Kg
Zinc, Total, ICP	95.1		0.41	2.07	mg/Kg	101		0.53	2.63	mg/Kg
MT SW846 7471B										
Mercury, Total, CVAA	0.35		0.033	0.322	mg/Kg	0.4	<RDL	0.042	0.41	mg/Kg
OR SW846 3550B*SW846 8081B										
4,4'-DDD	5.25		1.6	3.29	ug/Kg	4.87		2.1	4.2	ug/Kg
4,4'-DDE	1.8	<RDL	1.6	3.29	ug/Kg	2.1	<RDL	2.1	4.2	ug/Kg
4,4'-DDT	3.1	<RDL	1.6	3.29	ug/Kg	3.8	<RDL	2.1	4.2	ug/Kg
OR SW846 3550B*SW846 8082A										
Aroclor 1016		<MDL,TA	20	39.5	ug/Kg		<MDL,TA	21	42	ug/Kg
Aroclor 1221		<MDL,TA	6.6	13.2	ug/Kg		<MDL	4.2	8.4	ug/Kg
Aroclor 1232		<MDL,TA	46	92.1	ug/Kg		<MDL,TA	46	92.4	ug/Kg
Aroclor 1242		<MDL,TA	59	118	ug/Kg		<MDL,TA	63	126	ug/Kg
Aroclor 1248	51.2		1.6	3.29	ug/Kg	45.4		2.1	4.2	ug/Kg
Aroclor 1254	127		1.6	3.29	ug/Kg	139		2.1	4.2	ug/Kg
Aroclor 1260	88.3		1.6	3.29	ug/Kg	103		2.1	4.2	ug/Kg
Total Aroclors	266		1.6	3.29	ug/Kg	288		2.1	4.2	ug/Kg
OR SW846 3550B*SW846 8270D										

Table B-5. 2010 Sediment Chemistry Results, Post Operation Year Five Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-15					Locator: DWMP-16				
	Sample: L50382-16					Sample: L50382-17				
	ColDate: 4/5/10 9:45					ColDate: 4/6/10 9:50				
	Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
1,2,4-Trichlorobenzene		<MDL	0.16	0.329	ug/Kg		<MDL	0.21	0.42	ug/Kg
1,2-Dichlorobenzene	0.972		0.33	0.658	ug/Kg	1.38		0.42	0.84	ug/Kg
1,3-Dichlorobenzene		<MDL	0.33	0.658	ug/Kg		<MDL	0.42	0.84	ug/Kg
1,4-Dichlorobenzene	1.99		0.33	0.658	ug/Kg	3.09		0.42	0.84	ug/Kg
2,4-Dimethylphenol		<MDL	1.6	3.29	ug/Kg		<MDL	2.1	4.2	ug/Kg
2-Methylnaphthalene	5.1	<RDL	3.3	6.58	ug/Kg	8.2	<RDL	4.2	8.4	ug/Kg
2-Methylphenol		<MDL	3.3	6.58	ug/Kg		<MDL	4.2	8.4	ug/Kg
4-Methylphenol	70.6		6.6	13.2	ug/Kg	54.2		8.4	16.8	ug/Kg
Acenaphthene	7.71		3.3	6.58	ug/Kg	12.2		4.2	8.4	ug/Kg
Acenaphthylene	8.9		3.3	6.58	ug/Kg	13.6		4.2	8.4	ug/Kg
Anthracene	41.1		3.3	6.58	ug/Kg	73.5		4.2	8.4	ug/Kg
Benzo(a)anthracene	106		3.3	6.58	ug/Kg	178		4.2	8.4	ug/Kg
Benzo(a)pyrene	132		3.3	6.58	ug/Kg	206		4.2	8.4	ug/Kg
Benzo(b)fluoranthene	142		3.3	6.58	ug/Kg	216		4.2	8.4	ug/Kg
Benzo(g,h,i)perylene	90.8		3.3	6.58	ug/Kg	129		4.2	8.4	ug/Kg
Benzo(k)fluoranthene	151		3.3	6.58	ug/Kg	244		4.2	8.4	ug/Kg
Benzoic Acid	77	B,JG	16	32.9	ug/Kg	81.9	B,JG	21	42	ug/Kg
Benzyl Alcohol		<MDL	3.3	6.58	ug/Kg		<MDL	4.2	8.4	ug/Kg
Benzyl Butyl Phthalate	27		1.6	3.29	ug/Kg	56.1		2.1	4.2	ug/Kg
Bis(2-Ethylhexyl)Phthalate	393		6.6	13.2	ug/Kg	466		8.4	16.8	ug/Kg
Caffeine		<MDL	6.6	13.2	ug/Kg		<MDL	8.4	16.8	ug/Kg
Carbazole	15.3		3.3	6.58	ug/Kg	24.6		4.2	8.4	ug/Kg
Chrysene	136		3.3	6.58	ug/Kg	192		4.2	8.4	ug/Kg
Coprostanol		<MDL	66	132	ug/Kg		<MDL	84	168	ug/Kg
Dibenzo(a,h)anthracene	37.3		3.3	6.58	ug/Kg	49.2		4.2	8.4	ug/Kg
Dibenzofuran	4.4	<RDL	3.3	6.58	ug/Kg	7.6	<RDL	4.2	8.4	ug/Kg
Diethyl Phthalate		<MDL	6.6	13.2	ug/Kg		<MDL	8.4	16.8	ug/Kg
Dimethyl Phthalate		<MDL	6.6	13.2	ug/Kg		<MDL	8.4	16.8	ug/Kg
Di-N-Butyl Phthalate	17.1		6.6	13.2	ug/Kg	27.3		8.4	16.8	ug/Kg
Di-N-Octyl Phthalate		<MDL	6.6	13.2	ug/Kg		<MDL	8.4	16.8	ug/Kg
Fluoranthene	183		3.3	6.58	ug/Kg	279		4.2	8.4	ug/Kg
Fluorene	11.3		3.3	6.58	ug/Kg	16.8		4.2	8.4	ug/Kg
Hexachlorobenzene		<MDL	0.16	0.329	ug/Kg		<MDL	0.21	0.42	ug/Kg
Hexachlorobutadiene		<MDL	0.82	1.64	ug/Kg		<MDL	1.1	2.1	ug/Kg
Hexachloroethane		<MDL	1.6	3.29	ug/Kg		<MDL	2.1	4.2	ug/Kg
Indeno(1,2,3-Cd)Pyrene	80.6		3.3	6.58	ug/Kg	105		4.2	8.4	ug/Kg
Naphthalene	5.1	<RDL	3.3	6.58	ug/Kg	15		4.2	8.4	ug/Kg
N-Nitrosodiphenylamine		<MDL	6.6	13.2	ug/Kg		<MDL	8.4	16.8	ug/Kg
Pentachlorophenol		<MDL	16	32.9	ug/Kg		<MDL	21	42	ug/Kg
Phenanthrene	88		3.3	6.58	ug/Kg	134		4.2	8.4	ug/Kg
Phenol		<MDL	6.6	13.2	ug/Kg	28.4		8.4	16.8	ug/Kg
Pyrene	227		3.3	6.58	ug/Kg	317		4.2	8.4	ug/Kg
Total HPAHS	1280		3.3	6.58	ug/Kg	1910		4.2	8.4	ug/Kg
Total LPAHs	168		3.3	6.58	ug/Kg	273		4.2	8.4	ug/Kg

* Not converted to dry weight basis

Table B-6: 2015 Sediment Chemistry Results, Post Operation Year Ten Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-01					Locator: DWMP-02					Locator: DWMP-03				
	Sample: L62484-1					Sample: L62484-2					Sample: L62484-3				
	ColDate: 4/8/15 9:26					ColDate: 4/8/15 10:52					ColDate: 4/8/15 9:54				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
CV ASTM D422															
Clay*	11.9		1.2	2.4	%	10.7		0.8	1.5	%	14.1		1.3	2.6	%
Fines*	61.7		1.2	2.4	%	38.1		0.8	1.5	%	64		1.3	2.6	%
Gravel*	10.8	J	0.2	2.4	%	5.6	J	0.2	1.5	%	9.2	J	0.3	2.6	%
p+0.00*	1.6	<RDL	0.2	2.4	%	4.6		0.2	1.5	%	0.8	<RDL	0.3	2.6	%
p+1.00*	1.4	<RDL	0.2	2.4	%	9.8		0.2	1.5	%	2.6		0.3	2.6	%
p+10.0(equal/more than)*	7.1		1.2	2.4	%	6.1		0.8	1.5	%	5.1		1.3	2.6	%
p+2.00*	2.2	<RDL	0.2	2.4	%	19.4		0.2	1.5	%	9.3		0.3	2.6	%
p+3.00*	6.5		0.2	2.4	%	15		0.2	1.5	%	8.7		0.3	2.6	%
p+4.00*	13.9		0.2	2.4	%	11.9		0.2	1.5	%	13.4		0.3	2.6	%
p+5.00*	29.7		1.2	2.4	%	16.8		0.8	1.5	%	28.2		1.3	2.6	%
p+6.00*	5.9		1.2	2.4	%	3.8		0.8	1.5	%	7.7		1.3	2.6	%
p+7.00*	7.1		1.2	2.4	%	2.3		0.8	1.5	%	7.7		1.3	2.6	%
p+8.00*	7.1		1.2	2.4	%	4.6		0.8	1.5	%	6.4		1.3	2.6	%
p+9.00*	4.7		1.2	2.4	%	4.6		0.8	1.5	%	9		1.3	2.6	%
p-1.00*	2.4		0.2	2.4	%	4.2		0.2	1.5	%	1	<RDL	0.3	2.6	%
p-2.00(less than)*	7.8		0.2	2.4	%	1.4	<RDL	0.2	1.5	%	8.1		0.3	2.6	%
p-2.00*	0.6	<RDL	0.2	2.4	%		<MDL	0.2	1.5	%		<MDL	0.3	2.6	%
Sand*	25.5		0.2	2.4	%	60.7		0.2	1.5	%	34.7		0.3	2.6	%
Silt*	49.8		1.2	2.4	%	27.4		0.8	1.5	%	49.9		1.3	2.6	%
CV EPA 9030B/SM4500-S2-D															
Total Sulfide	419		30	116	mg/Kg		<MDL	0.76	3.02	mg/Kg	14.7	JG	0.91	3.62	mg/Kg
CV KEROUEL & AMINOT 1997 KCL															
Ammonia Nitrogen	3.62		0.049	0.249	mg/Kg	2.45		0.061	0.304	mg/Kg	1.55		0.039	0.193	mg/Kg
CV SM2540-G															
Total Solids*	40.6		0.005	0.01	%	65.8		0.005	0.01	%	51.6		0.005	0.01	%
CV SW846 9060 PSEP96															
Total Organic Carbon	65500		7400	15000	mg/Kg	8750		2400	4800	mg/Kg	20500		2500	4840	mg/Kg
MT SW846 3050B*SW846 6010C															
Arsenic, Total, ICP	12	<RDL	3.2	16	mg/Kg	5	<RDL	2	9.54	mg/Kg	8.3	<RDL	2.5	12.3	mg/Kg
Cadmium, Total, ICP	0.74	<RDL	0.25	1.28	mg/Kg	0.17	<RDL	0.15	0.763	mg/Kg	0.76	<RDL	0.19	0.986	mg/Kg
Chromium, Total, ICP	42.4		0.39	1.91	mg/Kg	31.6		0.23	1.14	mg/Kg	38.4		0.29	1.48	mg/Kg
Copper, Total, ICP	70.2		0.52	2.56	mg/Kg	29.8		0.3	1.52	mg/Kg	48.6		0.39	1.98	mg/Kg
Lead, Total, ICP	103		2.5	12.8	mg/Kg	36		1.5	7.63	mg/Kg	73.3		1.9	9.86	mg/Kg
Silver, Total, ICP	3.23		0.52	2.56	mg/Kg	0.33	<RDL	0.3	1.52	mg/Kg	2.73		0.39	1.98	mg/Kg
Zinc, Total, ICP	134		0.64	3.2	mg/Kg	70.2		0.38	1.91	mg/Kg	105		0.48	2.46	mg/Kg
MT SW846 7471B															
Mercury, Total, CVAA	0.771		0.012	0.122	mg/Kg	0.267		0.0073	0.0731	mg/Kg	0.583		0.0097	0.0959	mg/Kg
OR SW846 3550B*SW846 8081B															
4,4'-DDD	11.5		2	3.94	ug/Kg	2.43		1.2	2.43	ug/Kg	10.9		1.6	3.1	ug/Kg
4,4'-DDE	5.07	J	2	3.94	ug/Kg		<MDL	1.2	2.43	ug/Kg	5.14	J	1.6	3.1	ug/Kg
4,4'-DDT	8.77	JL	2	3.94	ug/Kg	2.84	JL	1.2	2.43	ug/Kg		<MDL	7.4	7.44	ug/Kg
OR SW846 3550B*SW846 8082A															
Aroclor 1016		<MDL	9.9	39.4	ug/Kg		<MDL	6.1	24.3	ug/Kg		<MDL	7.8	31	ug/Kg
Aroclor 1221		<MDL	30	39.4	ug/Kg		<MDL	18	24.3	ug/Kg		<MDL	23	31	ug/Kg
Aroclor 1232		<MDL	30	39.4	ug/Kg		<MDL	18	24.3	ug/Kg		<MDL	23	31	ug/Kg
Aroclor 1242	101		9.9	39.4	ug/Kg	11	<RDL	6.1	24.3	ug/Kg	124		7.8	31	ug/Kg
Aroclor 1248		<MDL	9.9	39.4	ug/Kg		<MDL	6.1	24.3	ug/Kg		<MDL	7.8	31	ug/Kg
Aroclor 1254	259		9.9	39.4	ug/Kg	50.2		6.1	24.3	ug/Kg	293		7.8	31	ug/Kg
Aroclor 1260	171		9.9	39.4	ug/Kg	41		6.1	24.3	ug/Kg	167		7.8	31	ug/Kg
Total Aroclors	531		9.9	39.4	ug/Kg	102		6.1	24.3	ug/Kg	584		7.8	31	ug/Kg
OR SW846 3550B*SW846 8270D															

Table B-6: 2015 Sediment Chemistry Results, Post Operation Year Ten Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-01					Locator: DWMP-02					Locator: DWMP-03				
	Sample: L62484-1					Sample: L62484-2					Sample: L62484-3				
	ColDate: 4/8/15 9:26					ColDate: 4/8/15 10:52					ColDate: 4/8/15 9:54				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
1,2,4-Trichlorobenzene		<MDL	0.89	1.79	ug/Kg		<MDL	0.55	1.1	ug/Kg		<MDL	0.7	1.41	ug/Kg
1,2-Dichlorobenzene		<MDL	8.97	8.97	ug/Kg		<MDL	5.53	5.53	ug/Kg		<MDL	7.05	7.05	ug/Kg
1,4-Dichlorobenzene		<MDL	13.4	13.4	ug/Kg		<MDL	8.28	8.28	ug/Kg		<MDL	10.6	10.6	ug/Kg
1-Methylnaphthalene	59.4		8.9	17.9	ug/Kg	7.9	<RDL	5.5	11	ug/Kg	16.3		7	14.1	ug/Kg
2,4-Dimethylphenol	29.6		8.9	17.9	ug/Kg		<MDL	5.5	11	ug/Kg		<MDL	7	14.1	ug/Kg
2-Methylnaphthalene	75.6		8.9	17.9	ug/Kg	9.7	<RDL	5.5	11	ug/Kg	20		7	14.1	ug/Kg
2-Methylphenol	13	<RDL	8.9	17.9	ug/Kg		<MDL	5.5	11	ug/Kg		<MDL	7	14.1	ug/Kg
3-,4-Methylphenol		<MDL	44	89.7	ug/Kg		<MDL	27	55.3	ug/Kg		<MDL	35	70.5	ug/Kg
Acenaphthene	133		8.9	17.9	ug/Kg	18.4		5.5	11	ug/Kg	40.5		7	14.1	ug/Kg
Acenaphthylene	510		8.9	17.9	ug/Kg	20.7		5.5	11	ug/Kg	39.1		7	14.1	ug/Kg
Anthracene	2040		8.9	17.9	ug/Kg	87.4		5.5	11	ug/Kg	166		7	14.1	ug/Kg
Benzo(a)anthracene	5170		44	89.7	ug/Kg	220		5.5	11	ug/Kg	343		7	14.1	ug/Kg
Benzo(a)pyrene	9750		44	89.7	ug/Kg	261		5.5	11	ug/Kg	496		35	70.5	ug/Kg
Benzo(b,j,k)fluoranthene	23400		44	89.7	ug/Kg	731		5.5	11	ug/Kg	1070		35	70.5	ug/Kg
Benzo(g,h,i)perylene	2510		44	89.7	ug/Kg	71.7		5.5	11	ug/Kg	302		35	70.5	ug/Kg
Benzoic Acid	183		179	179	ug/Kg		<MDL	110	110	ug/Kg		<MDL	141	141	ug/Kg
Benzyl Alcohol		<MDL	22.4	22.4	ug/Kg		<MDL	13.8	13.8	ug/Kg		<MDL	17.6	17.6	ug/Kg
Benzyl Butyl Phthalate	249		13.4	13.4	ug/Kg	17		8.28	8.28	ug/Kg		<MDL	10.6	10.6	ug/Kg
Bis(2-Ethylhexyl)Phthalate	897		18	35.7	ug/Kg	181		11	22	ug/Kg	1270		14	28.1	ug/Kg
Carbazole	458		8.9	17.9	ug/Kg	31.2		5.5	11	ug/Kg	51.9		7	14.1	ug/Kg
Chrysene	10400		44	89.7	ug/Kg	372		5.5	11	ug/Kg	463		7	14.1	ug/Kg
Dibenzo(a,h)anthracene	1030		44	89.7	ug/Kg	25.8		5.5	11	ug/Kg	79.3		35	70.5	ug/Kg
Dibenzofuran	79.1		8.9	17.9	ug/Kg	11.2		5.5	11	ug/Kg	24.4		7	14.1	ug/Kg
Diethyl Phthalate	20	<RDL	18	35.7	ug/Kg		<MDL	11	22	ug/Kg		<MDL	14	28.1	ug/Kg
Dimethyl Phthalate		<MDL	17.9	17.9	ug/Kg		<MDL	11	11	ug/Kg		<MDL	14.1	14.1	ug/Kg
Di-N-Butyl Phthalate		<MDL	18	35.7	ug/Kg	20	<RDL	11	22	ug/Kg		<MDL	14	28.1	ug/Kg
Di-N-Octyl Phthalate		<MDL	89.7	89.7	ug/Kg		<MDL	11	11	ug/Kg		<MDL	70.5	70.5	ug/Kg
Fluoranthene	2910		8.9	17.9	ug/Kg	342		5.5	11	ug/Kg	576		7	14.1	ug/Kg
Fluorene	318		8.9	17.9	ug/Kg	29.5		5.5	11	ug/Kg	53.3		7	14.1	ug/Kg
Hexachlorobenzene		<MDL	0.89	1.79	ug/Kg		<MDL	0.55	1.1	ug/Kg		<MDL	0.7	1.41	ug/Kg
Hexachlorobutadiene		<MDL	4.4	8.97	ug/Kg		<MDL	2.7	5.53	ug/Kg		<MDL	3.5	7.05	ug/Kg
Indeno(1,2,3-Cd)Pyrene	3670		44	89.7	ug/Kg	102		5.5	11	ug/Kg	351		35	70.5	ug/Kg
Naphthalene	113		8.9	17.9	ug/Kg	11.1	<RDL	5.5	11	ug/Kg	25.8		7	14.1	ug/Kg
N-Nitrosodiphenylamine		<MDL	22.4	22.4	ug/Kg		<MDL	13.8	13.8	ug/Kg		<MDL	17.6	17.6	ug/Kg
Pentachlorophenol		<MDL	134	134	ug/Kg		<MDL	82.8	82.8	ug/Kg		<MDL	106	106	ug/Kg
Phenanthrene	1940		8.9	17.9	ug/Kg	219		5.5	11	ug/Kg	339		7	14.1	ug/Kg
Phenol		<MDL	44	134	ug/Kg		<MDL	27	82.8	ug/Kg		<MDL	35	106	ug/Kg
Pyrene	6650		44	89.7	ug/Kg	388		5.5	11	ug/Kg	795		7	14.1	ug/Kg

* Not converted to dry weight basis

Table B-6: 2015 Sediment Chemistry Results, Post Operation Year Ten Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-04					Locator: DWMP-05					Locator: DWMP-06				
	Sample: L62484-4					Sample: L62484-5					Sample: L62484-6				
	ColDate: 4/8/15 11:11					ColDate: 4/8/15 11:59					ColDate: 4/9/15 8:48				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
CV ASTM D422															
Clay*	12.4		0.9	1.8	%	5.1		0.6	1.3	%	11.4		1	1.9	%
Fines*	52.9		0.9	1.8	%	8.3		0.6	1.3	%	47.6		1	1.9	%
Gravel*	7.7	J	0.2	1.8	%	39	J	0.1	1.3	%	3	J	0.2	1.9	%
p+0.00*	3.7		0.2	1.8	%	15.2		0.1	1.3	%	1.9	<RDL	0.2	1.9	%
p+1.00*	5.5		0.2	1.8	%	11.5		0.1	1.3	%	10.1		0.2	1.9	%
p+10.0(equal/more than)*	7.1		0.9	1.8	%	3.8		0.6	1.3	%	3.8		1	1.9	%
p+2.00*	10.6		0.2	1.8	%	13.5		0.1	1.3	%	28.4		0.2	1.9	%
p+3.00*	9.3		0.2	1.8	%	9.7		0.1	1.3	%	10.6		0.2	1.9	%
p+4.00*	8.1		0.2	1.8	%	4.7		0.1	1.3	%	5.2		0.2	1.9	%
p+5.00*	12.4		0.9	1.8	%	1.3	RDL	0.6	1.3	%	17.1		1	1.9	%
p+6.00*	12.4		0.9	1.8	%	0.6	<RDL	0.6	1.3	%	5.7		1	1.9	%
p+7.00*	10.6		0.9	1.8	%		<MDL	0.6	1.3	%	7.6		1	1.9	%
p+8.00*	5.3		0.9	1.8	%	1.3	RDL	0.6	1.3	%	5.7		1	1.9	%
p+9.00*	5.3		0.9	1.8	%	1.3	RDL	0.6	1.3	%	7.6		1	1.9	%
p-1.00*	4.5		0.2	1.8	%	15.1		0.1	1.3	%	1.8	<RDL	0.2	1.9	%
p-2.00(less than)*	2		0.2	1.8	%	20.6		0.1	1.3	%	0.9	<RDL	0.2	1.9	%
p-2.00*	1.2	<RDL	0.2	1.8	%	3.3		0.1	1.3	%	0.3	<RDL	0.2	1.9	%
Sand*	37.2		0.2	1.8	%	54.6		0.1	1.3	%	56.1		0.2	1.9	%
Silt*	40.6		0.9	1.8	%	3.2		0.6	1.3	%	36.2		1	1.9	%
CV EPA 9030B/SM4500-S2-D															
Total Sulfide	234		21	81.3	mg/Kg	42.2		3.3	12.9	mg/Kg	18.9		0.79	3.17	mg/Kg
CV KEROUEL & AMINOT 1997 KCL															
Ammonia Nitrogen	1.56		0.033	0.168	mg/Kg	6.68		0.26	1.32	mg/Kg	1.11		0.034	0.169	mg/Kg
CV SM2540-G															
Total Solids*	57.2		0.005	0.01	%	76		0.005	0.01	%	56.7		0.005	0.01	%
CV SW846 9060 PSEP96															
Total Organic Carbon	13700		3000	5860	mg/Kg	6870		990	1970	mg/Kg	15000		2500	4970	mg/Kg
MT SW846 3050B*SW846 6010C															
Arsenic, Total, ICP	7.7	<RDL	2.3	11	mg/Kg	3.6	<RDL	1.7	8.39	mg/Kg	7.4	<RDL	2.3	11.5	mg/Kg
Cadmium, Total, ICP	0.28	<RDL	0.17	0.881	mg/Kg	0.17	<RDL	0.13	0.671	mg/Kg	0.23	<RDL	0.18	0.919	mg/Kg
Chromium, Total, ICP	42.5		0.26	1.32	mg/Kg	16.8		0.2	1.01	mg/Kg	36.3		0.28	1.38	mg/Kg
Copper, Total, ICP	41.1		0.35	1.77	mg/Kg	17.9		0.26	1.34	mg/Kg	34.2		0.37	1.83	mg/Kg
Lead, Total, ICP	33.4		1.7	8.81	mg/Kg	23.8		1.3	6.71	mg/Kg	27		1.8	9.19	mg/Kg
Silver, Total, ICP		<MDL	0.35	1.77	mg/Kg		<MDL	0.26	1.34	mg/Kg		<MDL	0.37	1.83	mg/Kg
Zinc, Total, ICP	84.3		0.44	2.2	mg/Kg	56.6		0.34	1.68	mg/Kg	76.4		0.46	2.29	mg/Kg
MT SW846 7471B															
Mercury, Total, CVAA	0.287		0.0086	0.0864	mg/Kg	0.0867		0.0064	0.0641	mg/Kg	0.166		0.0085	0.085	mg/Kg
OR SW846 3550B*SW846 8081B															
4,4'-DDD	2.3	<RDL	1.4	2.8	ug/Kg	1.3	<RDL	1.1	2.11	ug/Kg		<MDL	1.4	2.82	ug/Kg
4,4'-DDE		<MDL	1.4	2.8	ug/Kg		<MDL	1.1	2.11	ug/Kg		<MDL	1.4	2.82	ug/Kg
4,4'-DDT	3.08	JL	1.4	2.8	ug/Kg	1.4	<RDL,JL	1.1	2.11	ug/Kg	1.9	<RDL,JL	1.4	2.82	ug/Kg
OR SW846 3550B*SW846 8082A															
Aroclor 1016		<MDL	7	28	ug/Kg		<MDL	5.3	21.1	ug/Kg		<MDL	7.1	28.2	ug/Kg
Aroclor 1221		<MDL	21	28	ug/Kg		<MDL	16	21.1	ug/Kg		<MDL	21	28.2	ug/Kg
Aroclor 1232		<MDL	21	28	ug/Kg		<MDL	16	21.1	ug/Kg		<MDL	21	28.2	ug/Kg
Aroclor 1242	13	<RDL	7	28	ug/Kg	13	<RDL	5.3	21.1	ug/Kg	11	<RDL	7.1	28.2	ug/Kg
Aroclor 1248		<MDL	7	28	ug/Kg		<MDL	5.3	21.1	ug/Kg		<MDL	7.1	28.2	ug/Kg
Aroclor 1254	93.2		7	28	ug/Kg	38.3		5.3	21.1	ug/Kg	40.4		7.1	28.2	ug/Kg
Aroclor 1260	57.2		7	28	ug/Kg	16	<RDL	5.3	21.1	ug/Kg	35.6		7.1	28.2	ug/Kg
Total Aroclors	163		7	28	ug/Kg	66.7		5.3	21.1	ug/Kg	86.9		7.1	28.2	ug/Kg
OR SW846 3550B*SW846 8270D															

Table B-6: 2015 Sediment Chemistry Results, Post Operation Year Ten Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-04					Locator: DWMP-05					Locator: DWMP-06				
	Sample: L62484-4					Sample: L62484-5					Sample: L62484-6				
	ColDate: 4/8/15 11:11					ColDate: 4/8/15 11:59					ColDate: 4/9/15 8:48				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
1,2,4-Trichlorobenzene		<MDL	0.63	1.27	ug/Kg		<MDL	0.47	0.957	ug/Kg		<MDL	0.63	1.28	ug/Kg
1,2-Dichlorobenzene		<MDL	6.36	6.36	ug/Kg		<MDL	4.79	4.79	ug/Kg		<MDL	6.42	6.42	ug/Kg
1,4-Dichlorobenzene		<MDL	9.53	9.53	ug/Kg		<MDL	7.17	7.17	ug/Kg		<MDL	9.61	9.61	ug/Kg
1-Methylnaphthalene	14.4		6.3	12.7	ug/Kg	7.6	<RDL	4.7	9.57	ug/Kg	7.6	<RDL	6.3	12.8	ug/Kg
2,4-Dimethylphenol		<MDL	6.3	12.7	ug/Kg		<MDL	4.7	9.57	ug/Kg		<MDL	6.3	12.8	ug/Kg
2-Methylnaphthalene	19.4		6.3	12.7	ug/Kg	8.9	<RDL	4.7	9.57	ug/Kg	9.9	<RDL	6.3	12.8	ug/Kg
2-Methylphenol		<MDL	6.3	12.7	ug/Kg		<MDL	4.7	9.57	ug/Kg		<MDL	6.3	12.8	ug/Kg
3-,4-Methylphenol		<MDL	31	63.6	ug/Kg		<MDL	24	47.9	ug/Kg		<MDL	32	64.2	ug/Kg
Acenaphthene	15.3		6.3	12.7	ug/Kg	13.8		4.7	9.57	ug/Kg	7.4	<RDL	6.3	12.8	ug/Kg
Acenaphthylene	23.4		6.3	12.7	ug/Kg	23.2		4.7	9.57	ug/Kg	9.7	<RDL	6.3	12.8	ug/Kg
Anthracene	80.4		6.3	12.7	ug/Kg	84.1		4.7	9.57	ug/Kg	39.5		6.3	12.8	ug/Kg
Benzo(a)anthracene	185		6.3	12.7	ug/Kg	314		4.7	9.57	ug/Kg	101		6.3	12.8	ug/Kg
Benzo(a)pyrene	264		31	63.6	ug/Kg	413		4.7	9.57	ug/Kg	150		6.3	12.8	ug/Kg
Benzo(b,j,k)fluoranthene	565		31	63.6	ug/Kg	1220		4.7	9.57	ug/Kg	342		6.3	12.8	ug/Kg
Benzo(g,h,i)perylene	184		31	63.6	ug/Kg	91.8		4.7	9.57	ug/Kg	66.7		6.3	12.8	ug/Kg
Benzoic Acid		<MDL	127	127	ug/Kg	250		95.7	95.7	ug/Kg		<MDL	128	128	ug/Kg
Benzyl Alcohol		<MDL	15.9	15.9	ug/Kg		<MDL	12	12	ug/Kg		<MDL	16	16	ug/Kg
Benzyl Butyl Phthalate		<MDL	9.53	9.53	ug/Kg	51.6		7.17	7.17	ug/Kg	15.5	J	9.61	9.61	ug/Kg
Bis(2-Ethylhexyl)Phthalate	177		13	25.3	ug/Kg	153		9.6	19.1	ug/Kg	127		13	25.6	ug/Kg
Carbazole	29		6.3	12.7	ug/Kg	32.1		4.7	9.57	ug/Kg	13.6	J	6.3	12.8	ug/Kg
Chrysene	281		6.3	12.7	ug/Kg	630		4.7	9.57	ug/Kg	158		6.3	12.8	ug/Kg
Dibenzo(a,h)anthracene	59	<RDL	31	63.6	ug/Kg	27.8		4.7	9.57	ug/Kg	19.6		6.3	12.8	ug/Kg
Dibenzofuran	11	<RDL	6.3	12.7	ug/Kg	8.7	<RDL	4.7	9.57	ug/Kg		<MDL	6.3	12.8	ug/Kg
Diethyl Phthalate		<MDL	13	25.3	ug/Kg		<MDL	9.6	19.1	ug/Kg		<MDL	13	25.6	ug/Kg
Dimethyl Phthalate		<MDL	12.7	12.7	ug/Kg		<MDL	9.57	9.57	ug/Kg		<MDL	12.8	12.8	ug/Kg
Di-N-Butyl Phthalate		<MDL	13	25.3	ug/Kg		<MDL	9.6	19.1	ug/Kg	21	<RDL	13	25.6	ug/Kg
Di-N-Octyl Phthalate		<MDL	63.6	63.6	ug/Kg		<MDL	9.57	9.57	ug/Kg		<MDL	12.8	12.8	ug/Kg
Fluoranthene	309		6.3	12.7	ug/Kg	495		4.7	9.57	ug/Kg	170	J	6.3	12.8	ug/Kg
Fluorene	26.9		6.3	12.7	ug/Kg	25.8		4.7	9.57	ug/Kg	11	<RDL	6.3	12.8	ug/Kg
Hexachlorobenzene		<MDL	0.63	1.27	ug/Kg		<MDL	0.47	0.957	ug/Kg		<MDL	0.63	1.28	ug/Kg
Hexachlorobutadiene		<MDL	3.1	6.36	ug/Kg		<MDL	2.4	4.79	ug/Kg		<MDL	3.2	6.42	ug/Kg
Indeno(1,2,3-Cd)Pyrene	217		31	63.6	ug/Kg	120		4.7	9.57	ug/Kg	83.4		6.3	12.8	ug/Kg
Naphthalene	17.7		6.3	12.7	ug/Kg	8.6	<RDL	4.7	9.57	ug/Kg	9.5	<RDL	6.3	12.8	ug/Kg
N-Nitrosodiphenylamine		<MDL	15.9	15.9	ug/Kg		<MDL	12	12	ug/Kg		<MDL	16	16	ug/Kg
Pentachlorophenol		<MDL	95.3	95.3	ug/Kg		<MDL	71.7	71.7	ug/Kg		<MDL	96.1	96.1	ug/Kg
Phenanthrene	165		6.3	12.7	ug/Kg	161		4.7	9.57	ug/Kg	72.1	J	6.3	12.8	ug/Kg
Phenol		<MDL	31	95.3	ug/Kg		<MDL	24	71.7	ug/Kg		<MDL	32	96.1	ug/Kg
Pyrene	379		6.3	12.7	ug/Kg	474		4.7	9.57	ug/Kg	189		6.3	12.8	ug/Kg

* Not converted to dry weight basis

Table B-6: 2015 Sediment Chemistry Results, Post Operation Year Ten Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-07					Locator: DWMP-08					Locator: DWMP-09				
	Sample: L62484-7					Sample: L62484-8					Sample: L62484-9				
	ColDate: 4/8/15 14:47					ColDate: 4/8/15 12:30					ColDate: 4/8/15 14:13				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
CV ASTM D422															
Clay*	10		1	2	%	13.5		1.1	2.2	%	13.7		1.5	3	%
Fines*	51.8		1	2	%	56.1		1.1	2.2	%	75.9		1.5	3	%
Gravel*	2	J	0.2	2	%	5.8	J	0.2	2.2	%	1.6	<RDL,J	0.3	3	%
p+0.00*	1.9	<RDL	0.2	2	%	3.3		0.2	2.2	%	0.7	<RDL	0.3	3	%
p+1.00*	4.3		0.2	2	%	6.2		0.2	2.2	%	1	<RDL	0.3	3	%
p+10.0(equal/more than)*	5		1	2	%	7.8		1.1	2.2	%	6.1		1.5	3	%
p+2.00*	13.6		0.2	2	%	15.5		0.2	2.2	%	4.1		0.3	3	%
p+3.00*	15.8		0.2	2	%	11.8		0.2	2.2	%	7.4		0.3	3	%
p+4.00*	10.2		0.2	2	%	9.6		0.2	2.2	%	11.9		0.3	3	%
p+5.00*	21.9		1	2	%	24.7		1.1	2.2	%	36.4		1.5	3	%
p+6.00*	6		1	2	%	5.6		1.1	2.2	%	7.6		1.5	3	%
p+7.00*	8		1	2	%	7.8		1.1	2.2	%	10.6		1.5	3	%
p+8.00*	6		1	2	%	4.5		1.1	2.2	%	7.6		1.5	3	%
p+9.00*	5		1	2	%	5.6		1.1	2.2	%	7.6		1.5	3	%
p-1.00*	1.6	<RDL	0.2	2	%	3.4		0.2	2.2	%	1.6	<RDL	0.3	3	%
p-2.00(less than)*	0.4	<RDL	0.2	2	%	1.7	<RDL	0.2	2.2	%		<MDL	0.3	3	%
p-2.00*		<MDL	0.2	2	%	0.7	<RDL	0.2	2.2	%		<MDL	0.3	3	%
Sand*	45.9		0.2	2	%	46.2		0.2	2.2	%	25.2		0.3	3	%
Silt*	41.8		1	2	%	42.6		1.1	2.2	%	62.3		1.5	3	%
CV EPA 9030B/SM4500-S2-D															
Total Sulfide	19.4		0.82	1.66	mg/Kg	127		4.8	9.75	mg/Kg	55.3		6.2	12.4	mg/Kg
CV KEROUEL & AMINOT 1997 KCL															
Ammonia Nitrogen	1.42		0.036	0.178	mg/Kg	2.07		0.042	0.207	mg/Kg	1.87		0.052	0.264	mg/Kg
CV SM2540-G															
Total Solids*	55.8		0.005	0.01	%	47.8		0.005	0.01	%	38.7		0.005	0.01	%
CV SW846 9060 PSEP96															
Total Organic Carbon	16000		2300	4800	mg/Kg	31800		3800	7640	mg/Kg	30000		4900	9690	mg/Kg
MT SW846 3050B*SW846 6010C															
Arsenic, Total, ICP	8.2	<RDL	2.3	11.5	mg/Kg	8.4	<RDL	2.7	13.2	mg/Kg	11	<RDL	3.4	16.3	mg/Kg
Cadmium, Total, ICP	0.38	<RDL	0.18	0.916	mg/Kg	1.07	<RDL	0.21	1.06	mg/Kg	2.01		0.26	1.3	mg/Kg
Chromium, Total, ICP	37.1		0.27	1.37	mg/Kg	41.6		0.31	1.59	mg/Kg	44.4		0.39	1.95	mg/Kg
Copper, Total, ICP	42.8		0.36	1.83	mg/Kg	67.4		0.42	2.11	mg/Kg	56.8		0.52	2.61	mg/Kg
Lead, Total, ICP	47.8		1.8	9.16	mg/Kg	73.2		2.1	10.6	mg/Kg	62.8		2.6	13	mg/Kg
Silver, Total, ICP	1.1	<RDL	0.36	1.83	mg/Kg	3.08		0.42	2.11	mg/Kg	1.7	<RDL	0.52	2.61	mg/Kg
Zinc, Total, ICP	81		0.47	2.29	mg/Kg	122		0.52	2.66	mg/Kg	103		0.65	3.26	mg/Kg
MT SW846 7471B															
Mercury, Total, CVAA	0.468		0.0088	0.0871	mg/Kg	0.418		0.011	0.106	mg/Kg	0.62		0.013	0.129	mg/Kg
OR SW846 3550B*SW846 8081B															
4,4'-DDD	5.56		1.4	2.87	ug/Kg	13.2		1.7	3.35	ug/Kg	8.81		2.1	4.13	ug/Kg
4,4'-DDE	1.8	<RDL,J	1.4	2.87	ug/Kg	4.46	J	1.7	3.35	ug/Kg	3.4	<RDL,J	2.1	4.13	ug/Kg
4,4'-DDT	4.3	JL	1.4	2.87	ug/Kg	6.09	JL	1.7	3.35	ug/Kg		<MDL	5.9	5.99	ug/Kg
OR SW846 3550B*SW846 8082A															
Aroclor 1016		<MDL	7.2	28.7	ug/Kg		<MDL	8.4	33.5	ug/Kg		<MDL	10	41.3	ug/Kg
Aroclor 1221		<MDL	22	28.7	ug/Kg		<MDL	25	33.5	ug/Kg		<MDL	31	41.3	ug/Kg
Aroclor 1232		<MDL	22	28.7	ug/Kg		<MDL	25	33.5	ug/Kg		<MDL	31	41.3	ug/Kg
Aroclor 1242	32.8		7.2	28.7	ug/Kg	75.3		8.4	33.5	ug/Kg	50.4		10	41.3	ug/Kg
Aroclor 1248		<MDL	7.2	28.7	ug/Kg		<MDL	8.4	33.5	ug/Kg		<MDL	10	41.3	ug/Kg
Aroclor 1254	139		7.2	28.7	ug/Kg	232		8.4	33.5	ug/Kg	189		10	41.3	ug/Kg
Aroclor 1260	99.3		7.2	28.7	ug/Kg	147		8.4	33.5	ug/Kg	133		10	41.3	ug/Kg
Total Aroclors	271		7.2	28.7	ug/Kg	454		8.4	33.5	ug/Kg	372		10	41.3	ug/Kg
OR SW846 3550B*SW846 8270D															

Table B-6: 2015 Sediment Chemistry Results, Post Operation Year Ten Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-07					Locator: DWMP-08					Locator: DWMP-09				
	Sample: L62484-7					Sample: L62484-8					Sample: L62484-9				
	ColDate: 4/8/15 14:47					ColDate: 4/8/15 12:30					ColDate: 4/8/15 14:13				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
1,2,4-Trichlorobenzene		<MDL	0.65	1.3	ug/Kg		<MDL	0.75	1.52	ug/Kg		<MDL	0.93	1.88	ug/Kg
1,2-Dichlorobenzene		<MDL	6.52	6.52	ug/Kg		<MDL	7.62	7.62	ug/Kg		<MDL	9.41	9.41	ug/Kg
1,4-Dichlorobenzene		<MDL	9.77	9.77	ug/Kg		<MDL	11.4	11.4	ug/Kg		<MDL	14.1	14.1	ug/Kg
1-Methylnaphthalene	9.7	<RDL	6.5	13	ug/Kg	20.9		7.5	15.2	ug/Kg	15	<RDL	9.3	18.8	ug/Kg
2,4-Dimethylphenol		<MDL	6.5	13	ug/Kg		<MDL	7.5	15.2	ug/Kg		<MDL	9.3	18.8	ug/Kg
2-Methylnaphthalene	12	<RDL	6.5	13	ug/Kg	26.4		7.5	15.2	ug/Kg	16	<RDL	9.3	18.8	ug/Kg
2-Methylphenol		<MDL	6.5	13	ug/Kg		<MDL	7.5	15.2	ug/Kg		<MDL	9.3	18.8	ug/Kg
3-,4-Methylphenol		<MDL	32	65.2	ug/Kg		<MDL	38	76.2	ug/Kg		<MDL	47	94.1	ug/Kg
Acenaphthene	16.8		6.5	13	ug/Kg	40.2		7.5	15.2	ug/Kg	25.6		9.3	18.8	ug/Kg
Acenaphthylene	24.4		6.5	13	ug/Kg	32		7.5	15.2	ug/Kg	31.5		9.3	18.8	ug/Kg
Anthracene	78.7		6.5	13	ug/Kg	142		7.5	15.2	ug/Kg	103		9.3	18.8	ug/Kg
Benzo(a)anthracene	185		6.5	13	ug/Kg	303		7.5	15.2	ug/Kg	258		9.3	18.8	ug/Kg
Benzo(a)pyrene	292		32	65.2	ug/Kg	467		38	76.2	ug/Kg	339		47	94.1	ug/Kg
Benzo(b,j,k)fluoranthene	600		32	65.2	ug/Kg	908		38	76.2	ug/Kg	724		47	94.1	ug/Kg
Benzo(g,h,i)perylene	177		32	65.2	ug/Kg	245		38	76.2	ug/Kg	219		47	94.1	ug/Kg
Benzoic Acid		<MDL	130	130	ug/Kg		<MDL	152	152	ug/Kg		<MDL	188	188	ug/Kg
Benzyl Alcohol		<MDL	16.3	16.3	ug/Kg		<MDL	19	19	ug/Kg		<MDL	23.5	23.5	ug/Kg
Benzyl Butyl Phthalate		<MDL	9.77	9.77	ug/Kg	55.4		11.4	11.4	ug/Kg		<MDL	14.1	14.1	ug/Kg
Bis(2-Ethylhexyl)Phthalate	396		13	26	ug/Kg	906		15	30.3	ug/Kg	584		19	37.5	ug/Kg
Carbazole	28.5		6.5	13	ug/Kg	52.3		7.5	15.2	ug/Kg	36.7		9.3	18.8	ug/Kg
Chrysene	296		6.5	13	ug/Kg	427		7.5	15.2	ug/Kg	339		9.3	18.8	ug/Kg
Dibenzo(a,h)anthracene	54	<RDL	32	65.2	ug/Kg	80.1		38	76.2	ug/Kg		<MDL	47	94.1	ug/Kg
Dibenzofuran	12	<RDL	6.5	13	ug/Kg	22		7.5	15.2	ug/Kg	15	<RDL	9.3	18.8	ug/Kg
Diethyl Phthalate		<MDL	13	26	ug/Kg		<MDL	15	30.3	ug/Kg	26	<RDL	19	37.5	ug/Kg
Dimethyl Phthalate		<MDL	13	13	ug/Kg		<MDL	15.2	15.2	ug/Kg		<MDL	18.8	18.8	ug/Kg
Di-N-Butyl Phthalate		<MDL	13	26	ug/Kg		<MDL	15	30.3	ug/Kg	54.3		19	37.5	ug/Kg
Di-N-Octyl Phthalate		<MDL	65.2	65.2	ug/Kg		<MDL	76.2	76.2	ug/Kg		<MDL	94.1	94.1	ug/Kg
Fluoranthene	276		6.5	13	ug/Kg	546		7.5	15.2	ug/Kg	419		9.3	18.8	ug/Kg
Fluorene	20.1		6.5	13	ug/Kg	57.7		7.5	15.2	ug/Kg	33.3		9.3	18.8	ug/Kg
Hexachlorobenzene		<MDL	0.65	1.3	ug/Kg		<MDL	0.75	1.52	ug/Kg		<MDL	0.93	1.88	ug/Kg
Hexachlorobutadiene		<MDL	3.2	6.52	ug/Kg		<MDL	3.8	7.62	ug/Kg		<MDL	4.7	9.41	ug/Kg
Indeno(1,2,3-Cd)Pyrene	197		32	65.2	ug/Kg	270		38	76.2	ug/Kg	225		47	94.1	ug/Kg
Naphthalene	15.7		6.5	13	ug/Kg	21.5		7.5	15.2	ug/Kg	23.6		9.3	18.8	ug/Kg
N-Nitrosodiphenylamine		<MDL	16.3	16.3	ug/Kg		<MDL	19	19	ug/Kg		<MDL	23.5	23.5	ug/Kg
Pentachlorophenol		<MDL	97.7	97.7	ug/Kg		<MDL	114	114	ug/Kg		<MDL	141	141	ug/Kg
Phenanthrene	140		6.5	13	ug/Kg	397		7.5	15.2	ug/Kg	227		9.3	18.8	ug/Kg
Phenol		<MDL	32	97.7	ug/Kg		<MDL	38	114	ug/Kg		<MDL	47	141	ug/Kg
Pyrene	362		6.5	13	ug/Kg	766		7.5	15.2	ug/Kg	525		9.3	18.8	ug/Kg

* Not converted to dry weight basis

Table B-6: 2015 Sediment Chemistry Results, Post Operation Year Ten Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-10					Locator: DWMP-11					Locator: DWMP-12				
	Sample: L62484-10					Sample: L62484-11					Sample: L62484-12				
	ColDate: 4/8/15 13:20					ColDate: 4/9/15 9:56					ColDate: 4/9/15 10:15				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
CV ASTM D422															
Clay*	2.1		0.5	1.1	%	13.4		1.1	2.2	%	29.9		2.5	5	%
Fines*	3.7		0.5	1.1	%	38		1.1	2.2	%	82.3		2.5	5	%
Gravel*	50.4	J	0.1	1.1	%	1.1	<RDL,J	0.2	2.2	%		<MDL,J	0.5	5	%
p+0.00*	16.6		0.1	1.1	%	1.3	<RDL	0.2	2.2	%		<MDL	0.5	5	%
p+1.00*	16.3		0.1	1.1	%	11.3		0.2	2.2	%		<MDL	0.5	5	%
p+10.0(equal/more than)*	1.1	RDL	0.5	1.1	%	6.7		1.1	2.2	%	10		2.5	5	%
p+2.00*	10.8		0.1	1.1	%	26.8		0.2	2.2	%	1.1	<RDL	0.5	5	%
p+3.00*	2.3		0.1	1.1	%	11.5		0.2	2.2	%	4.8	<RDL	0.5	5	%
p+4.00*	0.7	<RDL	0.1	1.1	%	7.5		0.2	2.2	%	11.5		0.5	5	%
p+5.00*	0.5	<RDL	0.5	1.1	%	11.2		1.1	2.2	%	32.4		2.5	5	%
p+6.00*	0.5	<RDL	0.5	1.1	%	4.5		1.1	2.2	%	10		2.5	5	%
p+7.00*	0.5	<RDL	0.5	1.1	%	6.7		1.1	2.2	%	10		2.5	5	%
p+8.00*		<MDL	0.5	1.1	%	2.2	RDL	1.1	2.2	%		<MDL	2.5	5	%
p+9.00*	1.1	RDL	0.5	1.1	%	6.7		1.1	2.2	%	19.9		2.5	5	%
p-1.00*	24.6		0.1	1.1	%	0.7	<RDL	0.2	2.2	%		<MDL	0.5	5	%
p-2.00(less than)*	19.1		0.1	1.1	%	0.3	<RDL	0.2	2.2	%		<MDL	0.5	5	%
p-2.00*	6.6		0.1	1.1	%		<MDL	0.2	2.2	%		<MDL	0.5	5	%
Sand*	46.7		0.1	1.1	%	58.4		0.2	2.2	%	17.4		0.5	5	%
Silt*	1.6		0.5	1.1	%	24.6		1.1	2.2	%	52.3		2.5	5	%
CV EPA 9030B/SM4500-S2-D															
Total Sulfide	43.1		2.9	5.73	mg/Kg	212		9	18.1	mg/Kg	183		8.9	17.6	mg/Kg
CV KEROUEL & AMINOT 1997 KCL															
Ammonia Nitrogen	1.95		0.12	0.603	mg/Kg	2.03		0.039	0.191	mg/Kg	2.73		0.077	0.39	mg/Kg
CV SM2540-G															
Total Solids*	83.1		0.005	0.01	%	51.3		0.005	0.01	%	25.9		0.005	0.01	%
CV SW846 9060 PSEP96															
Total Organic Carbon	2590		660	1320	mg/Kg	22400		3700	7430	mg/Kg	47900		6200	12100	mg/Kg
MT SW846 3050B*SW846 6010C															
Arsenic, Total, ICP	1.8	<RDL	1.6	7.61	mg/Kg	7.4	<RDL	2.5	12.4	mg/Kg	13	<RDL	5	24.7	mg/Kg
Cadmium, Total, ICP	0.14	<RDL	0.12	0.608	mg/Kg	0.68	<RDL	0.19	0.99	mg/Kg	0.58	<RDL	0.39	1.97	mg/Kg
Chromium, Total, ICP	8.48		0.18	0.912	mg/Kg	35.5		0.29	1.49	mg/Kg	46.7		0.58	2.96	mg/Kg
Copper, Total, ICP	13.6		0.24	1.22	mg/Kg	43.1		0.39	1.99	mg/Kg	53.3		0.77	3.94	mg/Kg
Lead, Total, ICP	4.5	<RDL	1.2	6.08	mg/Kg	63		1.9	9.9	mg/Kg	47.9		3.9	19.7	mg/Kg
Silver, Total, ICP		<MDL	0.24	1.22	mg/Kg	2.09		0.39	1.99	mg/Kg	1.6	<RDL	0.77	3.94	mg/Kg
Zinc, Total, ICP	25.9		0.3	1.52	mg/Kg	106		0.49	2.48	mg/Kg	96.9		1	4.94	mg/Kg
MT SW846 7471B															
Mercury, Total, CVAA	0.025	<RDL	0.0059	0.0594	mg/Kg	0.686		0.0094	0.0942	mg/Kg	0.429		0.02	0.198	mg/Kg
OR SW846 3550B*SW846 8081B															
4,4'-DDD		<MDL	0.96	1.93	ug/Kg	12.9		1.6	3.12	ug/Kg	4.2	<RDL	3.1	6.18	ug/Kg
4,4'-DDE		<MDL	0.96	1.93	ug/Kg	4.33	J	1.6	3.12	ug/Kg		<MDL	3.1	6.18	ug/Kg
4,4'-DDT		<MDL	0.96	1.93	ug/Kg		<MDL	5.8	5.8	ug/Kg	5.8	<RDL,JL	3.1	6.18	ug/Kg
OR SW846 3550B*SW846 8082A															
Aroclor 1016		<MDL	4.8	19.3	ug/Kg		<MDL	7.8	31.2	ug/Kg		<MDL	15	61.8	ug/Kg
Aroclor 1221		<MDL	14	19.3	ug/Kg		<MDL	23	31.2	ug/Kg		<MDL	46	61.8	ug/Kg
Aroclor 1232		<MDL	14	19.3	ug/Kg		<MDL	23	31.2	ug/Kg		<MDL	46	61.8	ug/Kg
Aroclor 1242		<MDL	4.8	19.3	ug/Kg	154		7.8	31.2	ug/Kg	36	<RDL	15	61.8	ug/Kg
Aroclor 1248		<MDL	4.8	19.3	ug/Kg		<MDL	7.8	31.2	ug/Kg		<MDL	15	61.8	ug/Kg
Aroclor 1254		<MDL	4.8	19.3	ug/Kg	236		7.8	31.2	ug/Kg	144		15	61.8	ug/Kg
Aroclor 1260		<MDL	4.8	19.3	ug/Kg	121		7.8	31.2	ug/Kg	124		15	61.8	ug/Kg
Total Aroclors		<MDL	14	19.3	ug/Kg	511		7.8	31.2	ug/Kg	303		15	61.8	ug/Kg
OR SW846 3550B*SW846 8270D															

Table B-6: 2015 Sediment Chemistry Results, Post Operation Year Ten Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-10					Locator: DWMP-11					Locator: DWMP-12				
	Sample: L62484-10					Sample: L62484-11					Sample: L62484-12				
	ColDate: 4/8/15 13:20					ColDate: 4/9/15 9:56					ColDate: 4/9/15 10:15				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
1,2,4-Trichlorobenzene		<MDL	0.43	0.875	ug/Kg		<MDL	0.7	1.42	ug/Kg		<MDL	1.4	2.81	ug/Kg
1,2-Dichlorobenzene		<MDL	4.38	4.38	ug/Kg		<MDL	7.1	7.1	ug/Kg		<MDL	14.1	14.1	ug/Kg
1,4-Dichlorobenzene		<MDL	6.56	6.56	ug/Kg		<MDL	10.6	10.6	ug/Kg		<MDL	21	21	ug/Kg
1-Methylnaphthalene		<MDL	4.3	8.75	ug/Kg	15.8		7	14.2	ug/Kg		<MDL	14	28.1	ug/Kg
2,4-Dimethylphenol		<MDL	4.3	8.75	ug/Kg		<MDL	7	14.2	ug/Kg		<MDL	14	28.1	ug/Kg
2-Methylnaphthalene		<MDL	4.3	8.75	ug/Kg	16.5		7	14.2	ug/Kg		<MDL	14	28.1	ug/Kg
2-Methylphenol		<MDL	4.3	8.75	ug/Kg		<MDL	7	14.2	ug/Kg		<MDL	14	28.1	ug/Kg
3-,4-Methylphenol		<MDL	22	43.8	ug/Kg		<MDL	35	71	ug/Kg		<MDL	69	141	ug/Kg
Acenaphthene		<MDL	4.3	8.75	ug/Kg	85		7	14.2	ug/Kg	24	<RDL	14	28.1	ug/Kg
Acenaphthylene		<MDL	4.3	8.75	ug/Kg	16		7	14.2	ug/Kg	25	<RDL	14	28.1	ug/Kg
Anthracene	20.2		4.3	8.75	ug/Kg	76		7	14.2	ug/Kg	86.1		14	28.1	ug/Kg
Benzo(a)anthracene	42.7		4.3	8.75	ug/Kg	146		7	14.2	ug/Kg	237		14	28.1	ug/Kg
Benzo(a)pyrene	45		4.3	8.75	ug/Kg	195		35	71	ug/Kg	342		14	28.1	ug/Kg
Benzo(b,j,k)fluoranthene	124		4.3	8.75	ug/Kg	390		35	71	ug/Kg	923		14	28.1	ug/Kg
Benzo(g,h,i)perylene	12.3		4.3	8.75	ug/Kg	122		35	71	ug/Kg	92.3		14	28.1	ug/Kg
Benzoic Acid	112		87.5	87.5	ug/Kg		<MDL	142	142	ug/Kg		<MDL	281	281	ug/Kg
Benzyl Alcohol		<MDL	10.9	10.9	ug/Kg		<MDL	17.7	17.7	ug/Kg		<MDL	35.1	35.1	ug/Kg
Benzyl Butyl Phthalate		<MDL	6.56	6.56	ug/Kg		<MDL	10.6	10.6	ug/Kg	30.2		21	21	ug/Kg
Bis(2-Ethylhexyl)Phthalate	42		8.8	17.4	ug/Kg	881		14	28.3	ug/Kg	486		28	56	ug/Kg
Carbazole	5.3	<RDL	4.3	8.75	ug/Kg	38.4		7	14.2	ug/Kg	36.5		14	28.1	ug/Kg
Chrysene	72.3		4.3	8.75	ug/Kg	188		7	14.2	ug/Kg	351		14	28.1	ug/Kg
Dibenzo(a,h)anthracene	4.5	<RDL	4.3	8.75	ug/Kg	37	<RDL	35	71	ug/Kg	20	<RDL	14	28.1	ug/Kg
Dibenzofuran		<MDL	4.3	8.75	ug/Kg	52.2		7	14.2	ug/Kg	15	<RDL	14	28.1	ug/Kg
Diethyl Phthalate		<MDL	8.8	17.4	ug/Kg		<MDL	14	28.3	ug/Kg	46	<RDL	28	56	ug/Kg
Dimethyl Phthalate		<MDL	8.75	8.75	ug/Kg		<MDL	14.2	14.2	ug/Kg		<MDL	28.1	28.1	ug/Kg
Di-N-Butyl Phthalate		<MDL	8.8	17.4	ug/Kg	30		14	28.3	ug/Kg	50	<RDL	28	56	ug/Kg
Di-N-Octyl Phthalate		<MDL	8.75	8.75	ug/Kg		<MDL	71	71	ug/Kg		<MDL	28.1	28.1	ug/Kg
Fluoranthene	64.7		4.3	8.75	ug/Kg	273		7	14.2	ug/Kg	345		14	28.1	ug/Kg
Fluorene	4.9	<RDL	4.3	8.75	ug/Kg	68.4		7	14.2	ug/Kg	29.9		14	28.1	ug/Kg
Hexachlorobenzene		<MDL	0.43	0.875	ug/Kg		<MDL	0.7	1.42	ug/Kg		<MDL	1.4	2.81	ug/Kg
Hexachlorobutadiene		<MDL	2.2	4.38	ug/Kg		<MDL	3.5	7.1	ug/Kg		<MDL	6.9	14.1	ug/Kg
Indeno(1,2,3-Cd)Pyrene	16.6		4.3	8.75	ug/Kg	144		35	71	ug/Kg	112		14	28.1	ug/Kg
Naphthalene		<MDL	4.3	8.75	ug/Kg	21.2		7	14.2	ug/Kg		<MDL	14	28.1	ug/Kg
N-Nitrosodiphenylamine		<MDL	10.9	10.9	ug/Kg		<MDL	17.7	17.7	ug/Kg		<MDL	35.1	35.1	ug/Kg
Pentachlorophenol		<MDL	65.6	65.6	ug/Kg		<MDL	106	106	ug/Kg		<MDL	210	210	ug/Kg
Phenanthrene	30.4		4.3	8.75	ug/Kg	209		7	14.2	ug/Kg	185		14	28.1	ug/Kg
Phenol		<MDL	22	65.6	ug/Kg		<MDL	35	106	ug/Kg		<MDL	69	210	ug/Kg
Pyrene	56.9		4.3	8.75	ug/Kg	374		7	14.2	ug/Kg	398		14	28.1	ug/Kg

* Not converted to dry weight basis

Table B-6: 2015 Sediment Chemistry Results, Post Operation Year Ten Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-13					Locator: DWMP-14					Locator: DWMP-15				
	Sample: L62484-13					Sample: L62484-14					Sample: L62484-15				
	ColDate: 4/8/15 12:57					ColDate: 4/9/15 8:18					ColDate: 4/9/15 9:06				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
CV ASTM D422															
Clay*	4.3		0.6	1.2	%	16		1.3	2.7	%	22.7		1	2.1	%
Fines*	7.3		0.6	1.2	%	72.2		1.3	2.7	%	63.9		1	2.1	%
Gravel*	24.9	J	0.1	1.2	%	1.9	<RDL,J	0.3	2.7	%	4.5	J	0.2	2.1	%
p+0.00*	6.9		0.1	1.2	%	0.4	<RDL	0.3	2.7	%	2	<RDL	0.2	2.1	%
p+1.00*	9.6		0.1	1.2	%		<MDL	0.3	2.7	%	2.7		0.2	2.1	%
p+10.0(equal/more than)*	2.4		0.6	1.2	%	8		1.3	2.7	%	14.4		1	2.1	%
p+2.00*	26.3		0.1	1.2	%	1.2	<RDL	0.3	2.7	%	5		0.2	2.1	%
p+3.00*	21.6		0.1	1.2	%	5.7		0.3	2.7	%	7.2		0.2	2.1	%
p+4.00*	5.8		0.1	1.2	%	18.8		0.3	2.7	%	10.6		0.2	2.1	%
p+5.00*		<MDL	0.6	1.2	%	37.4		1.3	2.7	%	14.4		1	2.1	%
p+6.00*	2.4		0.6	1.2	%	5.3		1.3	2.7	%	13.4		1	2.1	%
p+7.00*		<MDL	0.6	1.2	%	9.4		1.3	2.7	%	7.2		1	2.1	%
p+8.00*	0.6	<RDL	0.6	1.2	%	4		1.3	2.7	%	6.2		1	2.1	%
p+9.00*	1.8		0.6	1.2	%	8		1.3	2.7	%	8.2		1	2.1	%
p-1.00*	8.8		0.1	1.2	%	0.7	<RDL	0.3	2.7	%	2.5		0.2	2.1	%
p-2.00(less than)*	14.5		0.1	1.2	%	0.9	<RDL	0.3	2.7	%	2	<RDL	0.2	2.1	%
p-2.00*	1.6		0.1	1.2	%	0.4	<RDL	0.3	2.7	%		<MDL	0.2	2.1	%
Sand*	70.3		0.1	1.2	%	26.1		0.3	2.7	%	27.6		0.2	2.1	%
Silt*	3		0.6	1.2	%	56.2		1.3	2.7	%	41.2		1	2.1	%
CV EPA 9030B/SM4500-S2-D															
Total Sulfide	25		3	6.07	mg/Kg	314		24	49.1	mg/Kg	89.9		4.1	8.24	mg/Kg
CV KEROUEL & AMINOT 1997 KCL															
Ammonia Nitrogen	3.9		0.26	1.28	mg/Kg	2.55		0.041	0.208	mg/Kg	1.79		0.034	0.169	mg/Kg
CV SM2540-G															
Total Solids*	76.9		0.005	0.01	%	49.1		0.005	0.01	%	59.2		0.005	0.01	%
CV SW846 9060 PSEP96															
Total Organic Carbon	5880		660	1310	mg/Kg	22200		4700	9390	mg/Kg	11800		2200	4540	mg/Kg
MT SW846 3050B*SW846 6010C															
Arsenic, Total, ICP	2.5	<RDL	1.7	8.4	mg/Kg	8.6	<RDL	2.6	12.8	mg/Kg	9.5	<RDL	2	10.4	mg/Kg
Cadmium, Total, ICP		<MDL	0.13	0.672	mg/Kg	0.67	<RDL	0.2	1.02	mg/Kg	0.42	<RDL	0.17	0.831	mg/Kg
Chromium, Total, ICP	13.3		0.21	1.01	mg/Kg	44.2		0.31	1.53	mg/Kg	55.1		0.25	1.25	mg/Kg
Copper, Total, ICP	11.2		0.27	1.34	mg/Kg	61.7		0.41	2.04	mg/Kg	48.5		0.34	1.66	mg/Kg
Lead, Total, ICP	10.1		1.3	6.72	mg/Kg	82.3		2	10.2	mg/Kg	42.1		1.7	8.31	mg/Kg
Silver, Total, ICP		<MDL	0.27	1.34	mg/Kg	3.32		0.41	2.04	mg/Kg	1.1	<RDL	0.34	1.66	mg/Kg
Zinc, Total, ICP	34.7		0.34	1.68	mg/Kg	109		0.51	2.57	mg/Kg	98.5		0.42	2.08	mg/Kg
MT SW846 7471B															
Mercury, Total, CVAA	0.0631		0.0062	0.0627	mg/Kg	0.564		0.0098	0.0984	mg/Kg	0.334		0.0084	0.0848	mg/Kg
OR SW846 3550B*SW846 8081B															
4,4'-DDD		<MDL	1	2.08	ug/Kg	13.4		1.6	3.26	ug/Kg	5.61		1.4	2.7	ug/Kg
4,4'-DDE		<MDL	1	2.08	ug/Kg	4.7	J	1.6	3.26	ug/Kg	2.2	<RDL,J	1.4	2.7	ug/Kg
4,4'-DDT		<MDL	2	2	ug/Kg	8.33	JL	1.6	3.26	ug/Kg		<MDL	4.4	4.4	ug/Kg
OR SW846 3550B*SW846 8082A															
Aroclor 1016		<MDL	5.2	20.8	ug/Kg		<MDL	8.1	32.6	ug/Kg		<MDL	6.8	27	ug/Kg
Aroclor 1221		<MDL	16	20.8	ug/Kg		<MDL	24	32.6	ug/Kg		<MDL	20	27	ug/Kg
Aroclor 1232		<MDL	16	20.8	ug/Kg		<MDL	24	32.6	ug/Kg		<MDL	20	27	ug/Kg
Aroclor 1242		<MDL	5.2	20.8	ug/Kg	94.7		8.1	32.6	ug/Kg	52.4		6.8	27	ug/Kg
Aroclor 1248		<MDL	5.2	20.8	ug/Kg		<MDL	8.1	32.6	ug/Kg		<MDL	6.8	27	ug/Kg
Aroclor 1254	74.1		5.2	20.8	ug/Kg	287		8.1	32.6	ug/Kg	151		6.8	27	ug/Kg
Aroclor 1260	11	<RDL	5.2	20.8	ug/Kg	174		8.1	32.6	ug/Kg	95.6		6.8	27	ug/Kg
Total Aroclors	84.8		5.2	20.8	ug/Kg	556		8.1	32.6	ug/Kg	299		6.8	27	ug/Kg
OR SW846 3550B*SW846 8270D															

Table B-6: 2015 Sediment Chemistry Results, Post Operation Year Ten Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-13					Locator: DWMP-14					Locator: DWMP-15				
	Sample: L62484-13					Sample: L62484-14					Sample: L62484-15				
	ColDate: 4/8/15 12:57					ColDate: 4/9/15 8:18					ColDate: 4/9/15 9:06				
	Dry Weight Basis					Dry Weight Basis					Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
1,2,4-Trichlorobenzene		<MDL	0.47	0.945	ug/Kg	1.2	<RDL	0.73	1.48	ug/Kg		<MDL	0.61	1.23	ug/Kg
1,2-Dichlorobenzene		<MDL	4.73	4.73	ug/Kg		<MDL	7.41	7.41	ug/Kg		<MDL	6.15	6.15	ug/Kg
1,4-Dichlorobenzene		<MDL	7.09	7.09	ug/Kg		<MDL	11.1	11.1	ug/Kg		<MDL	9.21	9.21	ug/Kg
1-Methylnaphthalene		<MDL	4.7	9.45	ug/Kg	23.2		7.3	14.8	ug/Kg	7.9	<RDL	6.1	12.3	ug/Kg
2,4-Dimethylphenol		<MDL	4.7	9.45	ug/Kg		<MDL	7.3	14.8	ug/Kg		<MDL	6.1	12.3	ug/Kg
2-Methylnaphthalene		<MDL	4.7	9.45	ug/Kg	28.9		7.3	14.8	ug/Kg	10	<RDL	6.1	12.3	ug/Kg
2-Methylphenol		<MDL	4.7	9.45	ug/Kg		<MDL	7.3	14.8	ug/Kg		<MDL	6.1	12.3	ug/Kg
3-,4-Methylphenol		<MDL	23	47.3	ug/Kg		<MDL	37	74.1	ug/Kg		<MDL	30	61.5	ug/Kg
Acenaphthene		<MDL	4.7	9.45	ug/Kg	44.2		7.3	14.8	ug/Kg	11	<RDL	6.1	12.3	ug/Kg
Acenaphthylene	4.9	<RDL	4.7	9.45	ug/Kg	42.8		7.3	14.8	ug/Kg	15.1		6.1	12.3	ug/Kg
Anthracene	24.8		4.7	9.45	ug/Kg	170		7.3	14.8	ug/Kg	51.4		6.1	12.3	ug/Kg
Benzo(a)anthracene	85.4		4.7	9.45	ug/Kg	450		7.3	14.8	ug/Kg	149		6.1	12.3	ug/Kg
Benzo(a)pyrene	97.7		23	47.3	ug/Kg	585		37	74.1	ug/Kg	206		6.1	12.3	ug/Kg
Benzo(b,j,k)fluoranthene	228		23	47.3	ug/Kg	1280		37	74.1	ug/Kg	480		6.1	12.3	ug/Kg
Benzo(g,h,i)perylene	44	<RDL	23	47.3	ug/Kg	255		37	74.1	ug/Kg	93.1		6.1	12.3	ug/Kg
Benzoic Acid	290		94.5	94.5	ug/Kg	187		148	148	ug/Kg		<MDL	123	123	ug/Kg
Benzyl Alcohol		<MDL	11.8	11.8	ug/Kg		<MDL	18.5	18.5	ug/Kg		<MDL	15.4	15.4	ug/Kg
Benzyl Butyl Phthalate		<MDL	7.09	7.09	ug/Kg	566		11.1	11.1	ug/Kg	49.3		9.21	9.21	ug/Kg
Bis(2-Ethylhexyl)Phthalate	71.5		9.5	18.9	ug/Kg	933		15	29.5	ug/Kg	380		12	24.5	ug/Kg
Carbazole	12.6		4.7	9.45	ug/Kg	72.5		7.3	14.8	ug/Kg	22.5		6.1	12.3	ug/Kg
Chrysene	121		4.7	9.45	ug/Kg	566		7.3	14.8	ug/Kg	208		6.1	12.3	ug/Kg
Dibenzo(a,h)anthracene		<MDL	23	47.3	ug/Kg	79.4		37	74.1	ug/Kg	29.7		6.1	12.3	ug/Kg
Dibenzofuran		<MDL	4.7	9.45	ug/Kg	27.5		7.3	14.8	ug/Kg	8.8	<RDL	6.1	12.3	ug/Kg
Diethyl Phthalate		<MDL	9.5	18.9	ug/Kg		<MDL	15	29.5	ug/Kg		<MDL	12	24.5	ug/Kg
Dimethyl Phthalate		<MDL	9.45	9.45	ug/Kg		<MDL	14.8	14.8	ug/Kg		<MDL	12.3	12.3	ug/Kg
Di-N-Butyl Phthalate		<MDL	9.5	18.9	ug/Kg	246		15	29.5	ug/Kg		<MDL	12	24.5	ug/Kg
Di-N-Octyl Phthalate		<MDL	47.3	47.3	ug/Kg		<MDL	74.1	74.1	ug/Kg		<MDL	12.3	12.3	ug/Kg
Fluoranthene	183		4.7	9.45	ug/Kg	772		7.3	14.8	ug/Kg	252		6.1	12.3	ug/Kg
Fluorene	7.7	<RDL	4.7	9.45	ug/Kg	55.4		7.3	14.8	ug/Kg	15.3		6.1	12.3	ug/Kg
Hexachlorobenzene		<MDL	0.47	0.945	ug/Kg		<MDL	0.73	1.48	ug/Kg		<MDL	0.61	1.23	ug/Kg
Hexachlorobutadiene		<MDL	2.3	4.73	ug/Kg		<MDL	3.7	7.41	ug/Kg		<MDL	3	6.15	ug/Kg
Indeno(1,2,3-Cd)Pyrene	47.5		23	47.3	ug/Kg	324		37	74.1	ug/Kg	107		6.1	12.3	ug/Kg
Naphthalene		<MDL	4.7	9.45	ug/Kg	33		7.3	14.8	ug/Kg	12	<RDL	6.1	12.3	ug/Kg
N-Nitrosodiphenylamine		<MDL	11.8	11.8	ug/Kg		<MDL	18.5	18.5	ug/Kg		<MDL	15.4	15.4	ug/Kg
Pentachlorophenol		<MDL	70.9	70.9	ug/Kg		<MDL	111	111	ug/Kg		<MDL	92.1	92.1	ug/Kg
Phenanthrene	57.3		4.7	9.45	ug/Kg	420		7.3	14.8	ug/Kg	109		6.1	12.3	ug/Kg
Phenol		<MDL	23	70.9	ug/Kg		<MDL	37	111	ug/Kg		<MDL	30	92.1	ug/Kg
Pyrene	211		4.7	9.45	ug/Kg	1070		7.3	14.8	ug/Kg	282		6.1	12.3	ug/Kg

* Not converted to dry weight basis

Table B-6: 2015 Sediment Chemistry Results, Post Operation Year Ten Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-16 Sample: L62484-16 ColDate: 4/9/15 9:35 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**
CV ASTM D422					
Clay*	34.6		1.3	2.7	%
Fines*	77.1		1.3	2.7	%
Gravel*	1.8	<RDL,J	0.3	2.7	%
p+0.00*	1.2	<RDL	0.3	2.7	%
p+1.00*		<MDL	0.3	2.7	%
p+10.0(equal/more than)*	16		1.3	2.7	%
p+2.00*	3.6		0.3	2.7	%
p+3.00*	5.2		0.3	2.7	%
p+4.00*	9.7		0.3	2.7	%
p+5.00*	18.6		1.3	2.7	%
p+6.00*	13.3		1.3	2.7	%
p+7.00*	2.7	RDL	1.3	2.7	%
p+8.00*	8		1.3	2.7	%
p+9.00*	18.6		1.3	2.7	%
p-1.00*	1.1	<RDL	0.3	2.7	%
p-2.00(less than)*		<MDL	0.3	2.7	%
p-2.00*	0.7	<RDL	0.3	2.7	%
Sand*	19.7		0.3	2.7	%
Silt*	42.6		1.3	2.7	%
CV EPA 9030B/SM4500-S2-D					
Total Sulfide	83.6		4.8	9.8	mg/Kg
CV KEROUEL & AMINOT 1997 KCL					
Ammonia Nitrogen	1.62		0.04	0.204	mg/Kg
CV SM2540-G					
Total Solids*	49.5		0.005	0.01	%
CV SW846 9060 PSEP96					
Total Organic Carbon	23000		2800	5740	mg/Kg
MT SW846 3050B*SW846 6010C					
Arsenic, Total, ICP	8.5	<RDL	2.4	12.5	mg/Kg
Cadmium, Total, ICP	0.46	<RDL	0.2	1	mg/Kg
Chromium, Total, ICP	58.8		0.3	1.5	mg/Kg
Copper, Total, ICP	57.6		0.4	2	mg/Kg
Lead, Total, ICP	42		2	10	mg/Kg
Silver, Total, ICP	1.2	<RDL	0.4	2	mg/Kg
Zinc, Total, ICP	103		0.51	2.51	mg/Kg
MT SW846 7471B					
Mercury, Total, CVAA	0.566		0.01	0.1	mg/Kg
OR SW846 3550B*SW846 8081B					
4,4'-DDD	3.84		1.6	3.23	ug/Kg
4,4'-DDE	2	<RDL,J	1.6	3.23	ug/Kg
4,4'-DDT		<MDL	4.4	4.53	ug/Kg
OR SW846 3550B*SW846 8082A					
Aroclor 1016		<MDL	8.1	32.3	ug/Kg
Aroclor 1221		<MDL	24	32.3	ug/Kg
Aroclor 1232		<MDL	24	32.3	ug/Kg
Aroclor 1242	37.4		8.1	32.3	ug/Kg
Aroclor 1248		<MDL	8.1	32.3	ug/Kg
Aroclor 1254	136		8.1	32.3	ug/Kg
Aroclor 1260	98.4		8.1	32.3	ug/Kg
Total Aroclors	271		8.1	32.3	ug/Kg
OR SW846 3550B*SW846 8270D					

Table B-6: 2015 Sediment Chemistry Results, Post Operation Year Ten Sediment Monitoring

King County Environmental Lab Analytical Report

	Locator: DWMP-16 Sample: L62484-16 ColDate: 4/9/15 9:35 Dry Weight Basis				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**
1,2,4-Trichlorobenzene		<MDL	0.73	1.47	ug/Kg
1,2-Dichlorobenzene		<MDL	7.35	7.35	ug/Kg
1,4-Dichlorobenzene		<MDL	11	11	ug/Kg
1-Methylnaphthalene	7.9	<RDL	7.3	14.7	ug/Kg
2,4-Dimethylphenol		<MDL	7.3	14.7	ug/Kg
2-Methylnaphthalene	10	<RDL	7.3	14.7	ug/Kg
2-Methylphenol		<MDL	7.3	14.7	ug/Kg
3-,4-Methylphenol		<MDL	36	73.5	ug/Kg
Acenaphthene	13	<RDL	7.3	14.7	ug/Kg
Acenaphthylene	14	<RDL	7.3	14.7	ug/Kg
Anthracene	55.2		7.3	14.7	ug/Kg
Benzo(a)anthracene	138		7.3	14.7	ug/Kg
Benzo(a)pyrene	194		7.3	14.7	ug/Kg
Benzo(b,j,k)fluoranthene	426		7.3	14.7	ug/Kg
Benzo(g,h,i)perylene	86.1		7.3	14.7	ug/Kg
Benzoic Acid		<MDL	147	147	ug/Kg
Benzyl Alcohol		<MDL	18.4	18.4	ug/Kg
Benzyl Butyl Phthalate		<MDL	11	11	ug/Kg
Bis(2-Ethylhexyl)Phthalate	289		15	29.3	ug/Kg
Carbazole	24.4		7.3	14.7	ug/Kg
Chrysene	204		7.3	14.7	ug/Kg
Dibenzo(a,h)anthracene	26.5		7.3	14.7	ug/Kg
Dibenzofuran	7.5	<RDL	7.3	14.7	ug/Kg
Diethyl Phthalate	16	<RDL	15	29.3	ug/Kg
Dimethyl Phthalate		<MDL	14.7	14.7	ug/Kg
Di-N-Butyl Phthalate	22	<RDL	15	29.3	ug/Kg
Di-N-Octyl Phthalate		<MDL	14.7	14.7	ug/Kg
Fluoranthene	232		7.3	14.7	ug/Kg
Fluorene	19.4		7.3	14.7	ug/Kg
Hexachlorobenzene		<MDL	0.73	1.47	ug/Kg
Hexachlorobutadiene		<MDL	3.6	7.35	ug/Kg
Indeno(1,2,3-Cd)Pyrene	101		7.3	14.7	ug/Kg
Naphthalene	15.9		7.3	14.7	ug/Kg
N-Nitrosodiphenylamine		<MDL	18.4	18.4	ug/Kg
Pentachlorophenol		<MDL	110	110	ug/Kg
Phenanthrene	126		7.3	14.7	ug/Kg
Phenol		<MDL	36	110	ug/Kg
Pyrene	255		7.3	14.7	ug/Kg

* Not converted to dry weight basis

Appendix C: Method Blank Data Review

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Table C-1. Qualifier Flags based on Method Blank Data Review

Description of Method Blank Data Review Process (7/21/2016) performed by Carly Greyell (King County WLRD):
For each analytical workgroup, quality control (QC) reports were requested and the results from the method blanks were compared to the analytical results for each sample in the workgroup. When a compound was detected in the method blank, any sample results within five times the method blank concentration was qualified with a "U" flag and considered non-detect. If the sample result was less than the reporting detection limit "RDL", the RDL value was considered the level of detection, and when the sample result was greater than the RDL, the sample result value was considered the level of detection. Data review flags of "U" and "J" were added to samples with "<MDL" or "<RDL" lab flags, respectively.

Gray highlight indicates B flag with sample result >5x method blank concentration.

Table C-1. Qualifier Flags based on Method Blank Data Review

WORKGROUP	LOCATOR	COLLECT DATE	LAB SAMPLE ID	TOTAL SOLIDS	PARMNAME	CONCENTRATION	UNITS (ww)	QUALIFIER	Data Review		MDL	RDL	METHOD
									Value	Flag			
WG85539	DWMP-01	4/17/2006 9:40	L38758-1	43.7	Bis(2-Ethylhexyl)Phthalate	709	ug/Kg	B	709		53	107	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-01	4/17/2006 9:40	L38758-1	43.7	Di-N-Butyl Phthalate	109	ug/Kg	B	109	U	53	107	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-05	4/17/2006 10:20	L38758-5	75.4	Bis(2-Ethylhexyl)Phthalate	631	ug/Kg	B	631		5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-05	4/17/2006 10:20	L38758-5	75.4	Di-N-Butyl Phthalate	102	ug/Kg	B	102	U	5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-02	4/17/2006 11:18	L38758-2	52.7	Bis(2-Ethylhexyl)Phthalate	184	ug/Kg	B	184		5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-02	4/17/2006 11:18	L38758-2	52.7	Di-N-Butyl Phthalate	88	ug/Kg	B	88	U	5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-03	4/17/2006 12:25	L38758-3	44.9	Bis(2-Ethylhexyl)Phthalate	255	ug/Kg	B	255		5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-03	4/17/2006 12:25	L38758-3	44.9	Di-N-Butyl Phthalate	96	ug/Kg	B	96	U	5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-06	4/17/2006 13:05	L38758-6	51.8	Bis(2-Ethylhexyl)Phthalate	313	ug/Kg	B	313		5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-06	4/17/2006 13:05	L38758-6	51.8	Di-N-Butyl Phthalate	82.1	ug/Kg	B	82.1	U	5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-08	4/17/2006 13:45	L38758-8	41.7	Bis(2-Ethylhexyl)Phthalate	518	ug/Kg	B	518		5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-08	4/17/2006 13:45	L38758-8	41.7	Di-N-Butyl Phthalate	98.7	ug/Kg	B	98.7	U	5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-09	4/17/2006 14:25	L38758-9	36.6	Bis(2-Ethylhexyl)Phthalate	299	ug/Kg	B	299		5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-09	4/17/2006 14:25	L38758-9	36.6	Di-N-Butyl Phthalate	38	ug/Kg	B	38	U	5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-10	4/18/2006 8:40	L38758-10	71	Bis(2-Ethylhexyl)Phthalate	926	ug/Kg	B	926		53	107	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-10	4/18/2006 8:40	L38758-10	71	Di-N-Butyl Phthalate	97	ug/Kg	<RDL,B	107	U	53	107	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-14	4/18/2006 10:45	L38758-14	49.4	Bis(2-Ethylhexyl)Phthalate	690	ug/Kg	B	690		5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-14	4/18/2006 10:45	L38758-14	49.4	Di-N-Butyl Phthalate	26.7	ug/Kg	B	26.7	U	5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-15	4/18/2006 11:55	L38758-15	52.3	Bis(2-Ethylhexyl)Phthalate	390	ug/Kg	B	390		5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-15	4/18/2006 11:55	L38758-15	52.3	Di-N-Butyl Phthalate	20.3	ug/Kg	B	20.3	U	5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-16	4/18/2006 12:35	L38758-16	52.5	Bis(2-Ethylhexyl)Phthalate	339	ug/Kg	B	339		5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-16	4/18/2006 12:35	L38758-16	52.5	Di-N-Butyl Phthalate	16.6	ug/Kg	B	16.6	U	5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-11	4/18/2006 13:23	L38758-11	50.2	Bis(2-Ethylhexyl)Phthalate	227	ug/Kg	B	227		5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-11	4/18/2006 13:23	L38758-11	50.2	Di-N-Butyl Phthalate	15.9	ug/Kg	B	15.9	U	5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-13	4/18/2006 14:25	L38758-13	82.5	Bis(2-Ethylhexyl)Phthalate	195	ug/Kg	B	195		5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-13	4/18/2006 14:25	L38758-13	82.5	Di-N-Butyl Phthalate	70.5	ug/Kg	B	70.5	U	5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-04	4/19/2006 8:48	L38758-4	55.6	Bis(2-Ethylhexyl)Phthalate	175	ug/Kg	B	175		5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-04	4/19/2006 8:48	L38758-4	55.6	Di-N-Butyl Phthalate	135	ug/Kg	B	135	U	5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-07	4/19/2006 9:40	L38758-7	52.6	Bis(2-Ethylhexyl)Phthalate	215	ug/Kg	B	215		5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-07	4/19/2006 9:40	L38758-7	52.6	Di-N-Butyl Phthalate	88.8	ug/Kg	B	88.8	U	5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-12	4/19/2006 10:35	L38758-12	35.2	Bis(2-Ethylhexyl)Phthalate	423	ug/Kg	B	423		5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG85539	DWMP-12	4/19/2006 10:35	L38758-12	35.2	Di-N-Butyl Phthalate	19.6	ug/Kg	B	19.6	U	5.3	10.7	EPA 3550B/8270C (7-3-01-004)
WG91559	DWMP-01	5/15/2007 0:00	L42475-1	44.6	Bis(2-Ethylhexyl)Phthalate	330	ug/Kg	B	330		4	8	EPA 3550B/8270C (7-3-01-004)
WG91559	DWMP-02	5/15/2007 0:00	L42475-2	54.6	Bis(2-Ethylhexyl)Phthalate	234	ug/Kg	B	234		4	8	EPA 3550B/8270C (7-3-01-004)
WG91559	DWMP-03	5/15/2007 0:00	L42475-3	47.2	Bis(2-Ethylhexyl)Phthalate	244	ug/Kg	B	244		4	8	EPA 3550B/8270C (7-3-01-004)
WG91559	DWMP-04	5/15/2007 0:00	L42475-4	49.9	Bis(2-Ethylhexyl)Phthalate	99.3	ug/Kg	B	99.3		4	8	EPA 3550B/8270C (7-3-01-004)
WG91559	DWMP-07	5/15/2007 0:00	L42475-7	51.3	Bis(2-Ethylhexyl)Phthalate	87.1	ug/Kg	B	87.1		4	8	EPA 3550B/8270C (7-3-01-004)
WG91559	DWMP-06	5/16/2007 0:00	L42475-6	49.7	Bis(2-Ethylhexyl)Phthalate	2370	ug/Kg	B	2370		4	8	EPA 3550B/8270C (7-3-01-004)
WG91559	DWMP-08	5/16/2007 0:00	L42475-8	48.8	Bis(2-Ethylhexyl)Phthalate	463	ug/Kg	B	463		4	8	EPA 3550B/8270C (7-3-01-004)
WG91559	DWMP-09	5/16/2007 0:00	L42475-9	37.3	Bis(2-Ethylhexyl)Phthalate	167	ug/Kg	B	167		4	8	EPA 3550B/8270C (7-3-01-004)
WG91559	DWMP-10	5/16/2007 0:00	L42475-10	70.7	Bis(2-Ethylhexyl)Phthalate	593	ug/Kg	B	593		4	8	EPA 3550B/8270C (7-3-01-004)
WG91559	DWMP-11	5/16/2007 0:00	L42475-11	47.7	Bis(2-Ethylhexyl)Phthalate	113	ug/Kg	B	113		4	8	EPA 3550B/8270C (7-3-01-004)
WG91559	DWMP-12	5/16/2007 0:00	L42475-12	30.8	Bis(2-Ethylhexyl)Phthalate	180	ug/Kg	B	180		4	8	EPA 3550B/8270C (7-3-01-004)
WG91559	DWMP-14	5/16/2007 0:00	L42475-14	50.5	Bis(2-Ethylhexyl)Phthalate	272	ug/Kg	B	272		4	8	EPA 3550B/8270C (7-3-01-004)
WG91559	DWMP-05	5/17/2007 0:00	L42475-5	74.2	Bis(2-Ethylhexyl)Phthalate	745	ug/Kg	B	745		4	8	EPA 3550B/8270C (7-3-01-004)
WG91559	DWMP-13	5/17/2007 0:00	L42475-13	79.3	Bis(2-Ethylhexyl)Phthalate	2500	ug/Kg	B	2500		4	8	EPA 3550B/8270C (7-3-01-004)
WG91559	DWMP-15	5/17/2007 0:00	L42475-15	51.6	Bis(2-Ethylhexyl)Phthalate	152	ug/Kg	B	152		4	8	EPA 3550B/8270C (7-3-01-004)
WG91559	DWMP-16	5/17/2007 0:00	L42475-16	52.4	Bis(2-Ethylhexyl)Phthalate	66.4	ug/Kg	B	66.4		4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-02	3/31/2008 0:00	L45313-2	64.9	Benzyl Butyl Phthalate	28.3	ug/Kg	B	28.3		1	2	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-02	3/31/2008 0:00	L45313-2	64.9	Bis(2-Ethylhexyl)Phthalate	196	ug/Kg	B,E	196		4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-02	3/31/2008 0:00	L45313-2	64.9	Di-N-Butyl Phthalate	29.9	ug/Kg	B	29.9		4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-03	3/31/2008 0:00	L45313-3	45.6	Benzyl Butyl Phthalate	20.2	ug/Kg	B	20.2	U	1	2	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-03	3/31/2008 0:00	L45313-3	45.6	Bis(2-Ethylhexyl)Phthalate	299	ug/Kg	B,E	299		4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-03	3/31/2008 0:00	L45313-3	45.6	Di-N-Butyl Phthalate	12	ug/Kg	B	12	U	4	8	EPA 3550B/8270C (7-3-01-004)

Table C-1. Qualifier Flags based on Method Blank Data Review

WG96077	DWMP-08	3/31/2008 0:00	L45313-17	51.7	Benzyl Butyl Phthalate	24.8	ug/Kg	B	24.8		1	2	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-08	3/31/2008 0:00	L45313-8	44.6	Benzyl Butyl Phthalate	26.1	ug/Kg	B	26.1		1	2	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-08	3/31/2008 0:00	L45313-17	51.7	Bis(2-Ethylhexyl)Phthalate	293	ug/Kg	B,E	293		4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-08	3/31/2008 0:00	L45313-8	44.6	Bis(2-Ethylhexyl)Phthalate	300	ug/Kg	B,E	300		4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-08	3/31/2008 0:00	L45313-17	51.7	Di-N-Butyl Phthalate	16.5	ug/Kg	B	16.5	U	4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-08	3/31/2008 0:00	L45313-8	44.6	Di-N-Butyl Phthalate	14.8	ug/Kg	B	14.8	U	4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-09	3/31/2008 0:00	L45313-9	34.5	Benzyl Butyl Phthalate	19	ug/Kg	B	19	U	1	2	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-09	3/31/2008 0:00	L45313-9	34.5	Bis(2-Ethylhexyl)Phthalate	322	ug/Kg	B,E	322		4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-09	3/31/2008 0:00	L45313-9	34.5	Di-N-Butyl Phthalate	11.9	ug/Kg	B	11.9	U	4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-01	4/1/2008 0:00	L45313-1	48.1	Benzyl Butyl Phthalate	56.9	ug/Kg	B	56.9		1	2	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-01	4/1/2008 0:00	L45313-1	48.1	Bis(2-Ethylhexyl)Phthalate	644	ug/Kg	B,E	644		4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-01	4/1/2008 0:00	L45313-1	48.1	Di-N-Butyl Phthalate	21.2	ug/Kg	B	21.2	U	4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-06	4/1/2008 0:00	L45313-6	52.3	Benzyl Butyl Phthalate	18.5	ug/Kg	B	18.5	U	1	2	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-06	4/1/2008 0:00	L45313-6	52.3	Bis(2-Ethylhexyl)Phthalate	188	ug/Kg	B,E	188		4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-06	4/1/2008 0:00	L45313-6	52.3	Di-N-Butyl Phthalate	8.7	ug/Kg	B	8.7	U	4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-14	4/1/2008 0:00	L45313-14	50.8	Benzyl Butyl Phthalate	78.2	ug/Kg	B	78.2		1	2	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-14	4/1/2008 0:00	L45313-14	50.8	Bis(2-Ethylhexyl)Phthalate	370	ug/Kg	B,E	370		4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-14	4/1/2008 0:00	L45313-14	50.8	Di-N-Butyl Phthalate	17.9	ug/Kg	B	17.9	U	4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-15	4/1/2008 0:00	L45313-15	57.6	Benzyl Butyl Phthalate	21.6	ug/Kg	B	21.6		1	2	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-15	4/1/2008 0:00	L45313-15	57.6	Bis(2-Ethylhexyl)Phthalate	240	ug/Kg	B,E	240		4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-15	4/1/2008 0:00	L45313-15	57.6	Di-N-Butyl Phthalate	8.86	ug/Kg	B	8.86	U	4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-16	4/1/2008 0:00	L45313-16	55.1	Benzyl Butyl Phthalate	12.9	ug/Kg	B	12.9	U	1	2	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-16	4/1/2008 0:00	L45313-16	55.1	Bis(2-Ethylhexyl)Phthalate	67	ug/Kg	B,E	67		4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-16	4/1/2008 0:00	L45313-16	55.1	Di-N-Butyl Phthalate	7.8	ug/Kg	<RDL,B	8	U	4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-04	4/2/2008 0:00	L45313-4	58.9	Benzyl Butyl Phthalate	10.8	ug/Kg	B	10.8	U	1	2	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-04	4/2/2008 0:00	L45313-4	58.9	Bis(2-Ethylhexyl)Phthalate	71	ug/Kg	B,E	71		4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-04	4/2/2008 0:00	L45313-4	58.9	Di-N-Butyl Phthalate	8.25	ug/Kg	B	8.25	U	4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-07	4/2/2008 0:00	L45313-7	50.8	Benzyl Butyl Phthalate	10.6	ug/Kg	B	10.6	U	1	2	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-07	4/2/2008 0:00	L45313-7	50.8	Bis(2-Ethylhexyl)Phthalate	120	ug/Kg	B,E	120		4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-07	4/2/2008 0:00	L45313-7	50.8	Di-N-Butyl Phthalate	13.7	ug/Kg	B	13.7	U	4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-11	4/2/2008 0:00	L45313-11	50.5	Benzyl Butyl Phthalate	14.4	ug/Kg	B	14.4	U	1	2	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-11	4/2/2008 0:00	L45313-11	50.5	Bis(2-Ethylhexyl)Phthalate	146	ug/Kg	B,E	146		4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-11	4/2/2008 0:00	L45313-11	50.5	Di-N-Butyl Phthalate	8.77	ug/Kg	B	8.77	U	4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-12	4/2/2008 0:00	L45313-12	31.6	Benzyl Butyl Phthalate	17.1	ug/Kg	B	17.1	U	1	2	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-12	4/2/2008 0:00	L45313-12	31.6	Bis(2-Ethylhexyl)Phthalate	232	ug/Kg	B,E	232		4	8	EPA 3550B/8270C (7-3-01-004)
WG96077	DWMP-12	4/2/2008 0:00	L45313-12	31.6	Di-N-Butyl Phthalate	11.2	ug/Kg	B	11.2	U	4	8	EPA 3550B/8270C (7-3-01-004)
WG102239	DWMP-10	5/4/2009 11:20	L47904-10	92.7	Bis(2-Ethylhexyl)Phthalate	17	ug/Kg	B	17	U	4	8	EPA 3550B/8270C (7-3-01-004)
WG102239	DWMP-04	5/6/2009 9:37	L47904-4	50.9	Bis(2-Ethylhexyl)Phthalate	93.8	ug/Kg	B2	93.8		4	8	EPA 3550B/8270C (7-3-01-004)
WG109638	DWMP-15	4/5/2010 9:45	L50382-16	60.8	Benzoic Acid	46.8	ug/Kg	B,JG	46.8	U	10	20	SW846 3550B*SW846 8270D
WG109638	DWMP-14	4/5/2010 10:10	L50382-15	53.8	Benzoic Acid	45.6	ug/Kg	B,JG	45.6	U	10	20	SW846 3550B*SW846 8270D
WG109638	DWMP-08	4/5/2010 12:13	L50382-9	54.6	Benzoic Acid	66.7	ug/Kg	B,JG	66.7	U	10	20	SW846 3550B*SW846 8270D
WG109638	DWMP-09	4/5/2010 12:50	L50382-10	39	Benzoic Acid	50.1	ug/Kg	B,JG	50.1	U	10	20	SW846 3550B*SW846 8270D
WG109638	DWMP-10	4/5/2010 13:15	L50382-11	86.7	Benzoic Acid	126	ug/Kg	B,JG	126	U	10	20	SW846 3550B*SW846 8270D
WG109638	DWMP-10	4/5/2010 13:15	L50382-11	86.7	Benzyl Butyl Phthalate	3.74	ug/Kg	B	3.74	U	1	2	SW846 3550B*SW846 8270D
WG109638	DWMP-05	4/6/2010 8:50	L50382-5	77.4	Benzoic Acid	153	ug/Kg	B3,JG	153		50	100	SW846 3550B*SW846 8270D
WG109638	DWMP-16	4/6/2010 9:50	L50382-17	47.6	Benzoic Acid	39	ug/Kg	B,JG	39	U	10	20	SW846 3550B*SW846 8270D
WG109638	DWMP-12	4/6/2010 10:05	L50382-13	29.1	Benzoic Acid	55.7	ug/Kg	B,JG	55.7	U	10	20	SW846 3550B*SW846 8270D
WG109638	DWMP-12	4/6/2010 10:05	L50382-13	29.1	Benzyl Butyl Phthalate	10	ug/Kg	B2	10		1	2	SW846 3550B*SW846 8270D
WG109638	DWMP-11	4/6/2010 10:20	L50382-12	58.2	Benzoic Acid	54.9	ug/Kg	B,JG	54.9	U	10	20	SW846 3550B*SW846 8270D
WG109638	DWMP-07	4/6/2010 10:38	L50382-7	59.3	Benzoic Acid	53.2	ug/Kg	B,JG	53.2	U	10	20	SW846 3550B*SW846 8270D
WG109638	DWMP-06	4/6/2010 11:00	L50382-6	45.8	Benzoic Acid	67.4	ug/Kg	B,JG	67.4	U	10	20	SW846 3550B*SW846 8270D
WG109638	DWMP-02	4/6/2010 11:15	L50382-2	65.2	Benzoic Acid	99.1	ug/Kg	B,JG	99.1	U	10	20	SW846 3550B*SW846 8270D
WG109638	DWMP-04	4/6/2010 11:30	L50382-4	58.6	Benzoic Acid	44.3	ug/Kg	B,JG	44.3	U	10	20	SW846 3550B*SW846 8270D

Appendix D: Benthic Community Data

Table D-1. 2006 Benthic Taxonomy and Biomass Data: Post Operation, Year One Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-02			DWMP-03			DWMP-04			DWMP-05			DWMP-06			DWMP-07			DWMP-08			DWMP-09		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
ANNELIDA																											
Amage anops								1								1						2	1	2			
Ampharete acutifrons	3	1	2																								
Ampharete finmarchica																											
Ampharete labrops		1	4											1													
Ampharete sp																				1							
Ampharetidae juvenile																											1
Anobothrus gracilis				3	3			2																			
Aphelochaeta glandaria (=Aphelochaeta sp N1)	4		1		1		2	7	2	2							3										
Aphelochaeta monilaris				1	1	2	5	3	2	5	1	5				11	9	5		1	2	4	6	10	3	1	2
Apistobranchus tullbergi (=Apistobranchus ornatus)				1	6	10	3	9	3			2				5	3	5			2	1	4	6		1	
Aricidea lopezi							2	4	2	5	7	9				9	6	8	11	13	18	18	12	37	53	30	24
Aricidea ramosa							1			1		2				2	3	2	9	2			1		5	2	
Aricidea sp						1											1										
Armandia brevis													11	9	14												
Artacama coniferi																										1	1
Asabellides lineata	1														1												
Asclerocheilus beringianus											1																
Asychis similis										1																	
Axiothella rubrocincta													2	4	4												
Barantolla nr americana				1																							
Bispira elegans											1																
Boccardia pugettensis																											
Boccardia sp juv											1																
Boccardiella hamata				4				1			1					1	1	1				1	3				
Capitella capitata Complex																1		1				51	14	46			
Capitellidae (damaged)							1																				
Cauleriella pacifica				1									9	5	14												
Chaetozone acuta		2	1										6	5	4												
Chaetozone nr setosa									1	1						3	5	4	2		3	2	1	1	4		1
Chaetozone sp	1						1		2	2		11				2	1	1							1		
Chirimia similis																				1							
Cirratulidae					1	3					1									3			2	3			
Clymenura gracilis				9	17	18	2									1	2										
Cossura bansei																					1						
Cossura pygodactylata			1		1						2	1				3	2				1			1			
Diopatra ornata				7	5	1										1		1									
Diopatra sp juv	1				1															1				1			
Dipolydora cardalia					1	2																1					
Dipolydora caulleryi	5	2	2				3	1	6				1					6				1	1				
Dipolydora socialis	2	1					1		1										1			1					
Dorvillea annulata													3		9							1		1			
Dorvillea longicornis		1																									
Drilonereis longa						2		1		3		1								1						1	1
Errano bicirrata																	1	1		1					1		
Eteone californica											1												3	1			
Eteone fauchaldi																											
Eteone pacifica													1														
Eteone sp														1				2				1					
Eteone spilotus		1											2	2								1					
Euchone incolor																											
Euclymeninae			1	3	2	3			1	1						1	1		5	2		1			3	2	
Eulalia californiensis						1				2	2					1	1	1									

Table D-1. 2006 Benthic Taxonomy and Biomass Data: Post Operation, Year One Sediment Monitoring

Sampling Location ID	DWMP-10			DWMP-11			DWMP-12			DWMP-13			DWMP-14			DWMP-15			DWMP-16			Total
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	Organisms
ANNELIDA																						
Amage anops																1						**8**
Ampharete acutifrons																2						**8**
Ampharete finmarchica												1										**1**
Ampharete labrops			1																			**7**
Ampharete sp																						**1**
Ampharetidae juvenile																						**1**
Anobothrus gracilis				1	2	3							1	2	2		5	3				**27**
Aphelochaeta glandaria (=Aphelochaeta sp N1)			1					1	1				2	1	5			1	3			**37**
Aphelochaeta monilaris					2	8	4		2				5	4	6	4	1	5	1	6	2	**129**
Apistobranchus tullbergi (=Apistobranchus ornatus)				7	3	5	1		1					3	4	3	1	4				**93**
Aricidea lopezi				7	8	7	59	28	37				1	4	1	2		5	4	4	1	**436**
Aricidea ramosa				2	1		3		4							1	2		2		2	**47**
Aricidea sp																						**2**
Armandia brevis		1	3								27	13										**78**
Artacama coniferi							1															**3**
Asabellides lineata												1	1									**4**
Asclerocheilus beringianus																						**1**
Asychis similis																						**1**
Axiothella rubrocincta																						**10**
Barantolla nr americana				2	1	2																**6**
Bispira elegans																						**1**
Boccardia pugettensis										1												**1**
Boccardia sp juv																						**1**
Boccardiella hamata																					7	**20**
Capitella capitata Complex	14	3	144							2					1							**277**
Capitellidae (damaged)																				1		**2**
Cauleriella pacifica	2	1	1							16	11	18										**78**
Chaetozone acuta										15	6	4										**43**
Chaetozone nr setosa				2		3												1				**34**
Chaetozone sp								1							1		3	2				**29**
Chirimia similis																						**1**
Cirratulidae				2	3	1				1			1						1			**22**
Clymenura gracilis				3	11	7							1	2	5		2	1				**81**
Cossura bansei																						**1**
Cossura pygodactylata				1	1								1	2	2			1		1		**21**
Diopatra ornata	1	1	1	1		3		1			1		182	17	4							**227**
Diopatra sp juv																						**4**
Dipolydora cardalia					1	1																**6**
Dipolydora caulleryi				4	5	2	42	52					5	6	4							**148**
Dipolydora socialis					1								1		1	1					1	**12**
Dorvillea annulata																						**14**
Dorvillea longicornis																						**1**
Drilonereis longa																	2		1			**13**
Errano bicirrata																						**4**
Eteone californica																						**5**
Eteone fauchaldi												1										**1**
Eteone pacifica																						**1**
Eteone sp													2	2	1							**9**
Eteone spilotus			2												1							**9**
Euchone incolor															1							**1**
Euclymeninae				1	3	3		1	1	1		1	1	2	2	2						**44**
Eulalia californiensis				2	1																2	**13**

Table D-1. 2006 Benthic Taxonomy and Biomass Data: Post Operation, Year One Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-02			DWMP-03			DWMP-04			DWMP-05			DWMP-06			DWMP-07			DWMP-08			DWMP-09		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Eulalia sp juv																	1										
Eulalia sp N1																									1		1
Eumida longicornuta															2												
Eusyllis habei			1											1	1												
Exogone lourei				4	2	6	4	4	2	3		10				6	6	6		1	5	9	14	7	9	4	9
Exogone molesta		1	1																								
Fabricia oregonica																											
Flabelligeridae juv		1																									
Galathowenia oculata			1									2												1			
Gattayana cirrosa																											
Glycera americana					1								4	6	2												
Glycera nana			3	10	16	10	9	9	8	10	8	6	21	11	16	7	10	5	9	7	2	8	10	11	6	5	6
Glycinde armigera	2			3	1	4		2	1	1	2	1					3		7	2	1	2	1	4	2	3	1
Glycinde picta (=Glycinde polygnatha)			7										7	4	2		1										
Glycinde sp juv	1	2														1											1
Goniada maculata				1		2																					
Goniadidae					1																						
Gyptis sp				1																							
Harmothoe extenuata		1																									
Harmothoe imbricata	1	2	1																								
Harmothoinae juvenile				1																							
Hemipodia simplex (=Hemipodus borealis)																											
Heteromastus filobranchus		3	1																								
Heteromastus sp							3	1	2	2	1					2									3	2	
Isocirrus longiceps						1	1	1		2							1					1					
Lanassa nordenskioeldi																			1								
Laonice cirrata								1			2							1					1				
Laonice sp																											
Leitoscoloplos pugettensis	2	6											14	29	15											2	
Lepidasthenia berkeleyae																											
Levinsenia gracilis					1	1	35	24	23	51	10	36				29	27	29	26	31	39	73	100	99	103	65	84
Lumbrineridae juvenile				1		6				1								1									
Lumbrineris californiensis	14	12	20	23	9	24							2		1												
Lumbrineris cruzensis			2				2	3		4	3	6				4	4	5	1	1	1	2	9	3	10		2
Lumbrineris latreilli						1																					
Magelona longicornis		1	1	6	6	7		1	5		4	2				3					1	1	4	2			
Maldanidae juv																1	1										
Malmgreniella nigralba																		1									
Malmgreniella sp														1													
Mediomastus californiensis	67	81	69	19	14	35	1	3				8	82	45	104	2	3	5	2		2	8	6	8	6		1
Megalomma splendida					1																						
Melinna oculata				1																							
Mesochaetopterus taylori				4		1																					
Microclymene caudata												1															
Micropodarke dubia													30	27	59												
Monticellina serratiseta	1			1		5				2	4	4					2	1	2	4			5	3		1	2
Monticellina sp N1				1	1	3		3	2		1	1				6	3	2	3						1		2
Monticellina tesselata											1												2	3			
Myriochele olgae (=Myriochele heeri)										30	11	21							23	22	15	5	1	3	3	1	6
Neosabellaria cementarium						1												1									
Nephtys californiensis														1	1												
Nephtys cornuta	3	1	2		1	7	2										6	1				8	10	14	7		
Nephtys ferruginea	8	5	10	8	5	23	2	2	4	3		8				5	2	5	7	1	3	4	8	3	1		5

Table D-1. 2006 Benthic Taxonomy and Biomass Data: Post Operation, Year One Sediment Monitoring

Sampling Location ID	DWMP-10			DWMP-11			DWMP-12			DWMP-13			DWMP-14			DWMP-15			DWMP-16			Total
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	Organisms
Eulalia sp juv																						**1**
Eulalia sp N1					1	1											1					**5**
Eumida longicornuta																						**2**
Eusyllis habei																						**3**
Exogone lourei				6	15	4	4	3	7				3	2	7	12	6	1	2			**183**
Exogone molesta				1										1								**4**
Fabricia oregonica			1																			**1**
Flabelligeridae juv																						**1**
Galathowenia oculata					1																	**5**
Gattayana cirrosa						1																**1**
Glycera americana		1								2	3	1										**20**
Glycera nana	2		3	13	9	7		3	2	4		4	5	8	6	7	7	2	8	3	10	**326**
Glycinde armigera			2	2	1	4	4	3	2	3	1	2	1	2			3	3	1		3	**80**
Glycinde picta (=Glycinde polygnatha)		2	1							8		6	1									**39**
Glycinde sp juv																	1		1			**7**
Goniada maculata																						**3**
Goniadidae																						**1**
Gyptis sp																						**1**
Harmothoe extenuata																						**1**
Harmothoe imbricata				1																		**5**
Harmothoinae juvenile										1		1										**3**
Hemipodia simplex (=Hemipodus borealis)										1												**1**
Heteromastus filobranchus																						**4**
Heteromastus sp														3	1		2					**22**
Isocirrus longiceps					1											1					2	**11**
Lanassa nordenskioeldi																						**1**
Laonice cirrata				1		1	1							1					1	1	2	**13**
Laonice sp				2		1																**3**
Leitoscoloplos pugettensis	12	4	13							29	14	32										**172**
Lepidasthenia berkeleyae															6							**6**
Levinsenia gracilis			2	33	22	33	59	49	80	2			10	3	6	27	16	22	36	21	12	**1,319**
Lumbrineridae juvenile				2		1							1	3				1				**17**
Lumbrineris californiensis				7		3			3		2	5	7	20	14							**166**
Lumbrineris cruzensis				4	3	3	3															**75**
Lumbrineris latreilli																						**1**
Magelona longicornis					2	2			1				8	2	7	1	8	5		1	4	**85**
Maldanidae juv			1				1	1									1					**6**
Malmgreniella nigralba																						**1**
Malmgreniella sp																1						**2**
Mediomastus californiensis	15	1	5	15	10	10	1		5	100	72	40	48	35	18				1	2		**949**
Megalomma splendida																						**1**
Melinna oculata															1							**2**
Mesochaetopterus taylori																						**5**
Microclymene caudata																						**1**
Micropodarke dubia										26	7	13										**162**
Monticellina serratiseta				10	8	84		1	2					1		1	4	2			12	**162**
Monticellina sp N1															2						1	**32**
Monticellina tesselata										1												**7**
Myriochele olgae (=Myriochele heeri)							5	6	7							7	3	8	5	5	6	**193**
Neosabellaria cementarium																						**2**
Nephtys californiensis																						**2**
Nephtys cornuta				17	11	16			4				6	6	4	2	1		1		2	**132**
Nephtys ferruginea	1		1	5	8	7	1		2				2	6	12	1			3			**171**

Table D-1. 2006 Benthic Taxonomy and Biomass Data: Post Operation, Year One Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-02			DWMP-03			DWMP-04			DWMP-05			DWMP-06			DWMP-07			DWMP-08			DWMP-09		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Nephtys sp			1				1			1	1					1	5	10							1	4	2
Nereis procera	4	6	6	1						1	1			8	11				1	1		1	1			1	
Nicomache lumbricalis																											
Ninoe gemmea																				1							
Notocirrus californiensis																											
Notomastus hemipodus	12	1	2	17	17	25		1	3	2	4	2	2	1	2	2	3	5	4	2	1	2	2	2	1		
Oligochaeta	15	35	24										221	97	162							2	1	2	2		1
Onuphidae juvenile												1					1				1		1		1		2
Onuphis elegans				3		3																					
Onuphis geophiliformis																						1					
Onuphis iridescens																										2	
Onuphis sp juv											1	1															
Ophelina acuminata	1	1														1											
Ophiodromus pugettensis (=Podarke pugettensis)		1											2		1												
Owenia fusiformis		2		1																							
Paleanotus bellis														3	1												
Parandalia fauveli			1	4				1				1															
Paraprionospio pinnata	2	1	1	12	13	4	3	4	2	6	1	11				9	12	8	7	3	2	7	14	7	1	3	2
Parougia caeca																											
Pectinaria californiensis					4	1	1			2	1										1	1		2	2	1	2
Pectinaria granulata	1			3	5	13	1	3	1				2		2		2			1							
Petaloproctus borealis																											
Pholoe glabra	1			4	2	2						1	1	1	2												
Pholoe minuta									1																		
Pholoe sp																	1				1			4			
Pholoe sp N1																		2									
Pholoides asperus	2	1	1	5	19	17	1	1		2	21	1			1	1	4	2									
Phyllodoce cuspidata				1		1																					
Phyllodoce groenlandica																		1									
Phyllodoce hartmanae																1	1					1	2	2			
Phyllodoce longipes															1												
Phyllodoce sp																1											
Phylo felix																											
Pilargis maculata							4	2	1	3	5	7					1	5	6	2	1	1	4	4	7	7	6
Pista estevanica (=Pista bansei)								1																			
Pista percyi (=Pista brevibranchiata)																		2			1						
Pista sp							1																1			1	
Pista wui				1	1																						
Platynereis bicanaliculata	1												18	10	14												
Podarkeopsis glabrus	7		1		1			1		1														1			
Polycirrus sp				2	1	1							1									2			1		
Polycirrus sp I, sensu Banse 1980																			1								
Praxillella gracilis				2	1			1									1										
Praxillella pacifica				1		1																					
Prionospio lighti	5	4				1	1	1												1							
Prionospio multibranchiata	7	5	7										29	9	45											1	
Prionospio steenstrupi	20	12	12	27	14	43	49	28	35	20	30	67	281	140	320	52	100	42	59	18	28	78	121	112	51	40	32
Proclea graffi																4	2								1	2	2
Protodorvillea gracilis			1			1							72	17	33												
Pseudopotamilla occelata																											
Pterocirrus montereyensis		1																									
Rhodine bitorquata				1			1		1	1		1				2											
Scoletoma luti	2	1	2	34	15	31	5	8	6	3	3	8				5	7	2	11	7	5		3	2	2	7	5

Table D-1. 2006 Benthic Taxonomy and Biomass Data: Post Operation, Year One Sediment Monitoring

Sampling Location ID	DWMP-10			DWMP-11			DWMP-12			DWMP-13			DWMP-14			DWMP-15			DWMP-16			Total
Replicate	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**Organisms**
Nephtys sp							1		3			1	3	4	2			2	2			**45**
Nereis procera	3			1				1	1	3			1				1				1	**55**
Nicomache lumbricalis																1						**1**
Ninoe gemmea																						**1**
Notocirrus californiensis																1						**1**
Notomastus hemipodus				5	10	21	1	1	1	1		1	15	24	27	7	9	9	1	3	4	**255**
Oligochaeta	30	90	69		3					75	69	71	3	1		1						**974**
Onuphidae juvenile													1						1			**9**
Onuphis elegans																						**6**
Onuphis geophiliformis																						**1**
Onuphis iridescens					1											1			2	1		**7**
Onuphis sp juv																						**2**
Ophelina acuminata										1												**4**
Ophiodromus pugettensis (=Podarke pugettensis)															1		1					**6**
Owenia fusiformis	4									2		1										**10**
Paleanotus bellis	1	1	1									2										**9**
Parandalia fauveli				1		1							1	1	3			1				**15**
Paraprionospio pinnata			1	13	17	10	1	1	5				12	10	8	5	5	2	3	6	7	**241**
Parougia caeca				1	1																	**2**
Pectinaria californiensis				2	2	2	1	2	1							1	1	3		6	2	**41**
Pectinaria granulata						1																**35**
Petaloproctus borealis																					4	**4**
Pholoe glabra														1						1	1	**17**
Pholoe minuta																						**1**
Pholoe sp				1		2												1				**10**
Pholoe sp N1							3	6														**11**
Pholoides asperus				9	7	10											3	1	1		10	**120**
Phyllodoce cuspidata													1									**3**
Phyllodoce groenlandica						1								1					1			**4**
Phyllodoce hartmanae		1	1	1									2	1								**13**
Phyllodoce longipes																						**1**
Phyllodoce sp																						**1**
Phylo felix												1										**1**
Pilargis maculata			1	8	8	6	4	1	7				1			5	3		5	2	1	**118**
Pista estevanica (=Pista bansei)					1																	**2**
Pista percyi (=Pista brevibranchiata)					1																	**4**
Pista sp										1			1		1				1			**7**
Pista wui														1	2							**5**
Platynereis bicanaliculata			3							2	2	4										**54**
Podarkeopsis glabrus						1	1		1					2	1							**18**
Polycirrus sp							1		2	1												**12**
Polycirrus sp I, sensu Banse 1980																						**1**
Praxillella gracilis					1									1								**7**
Praxillella pacifica						2							2		4							**10**
Prionospio lighti	2			1	1					1	3	1	1	1		1				1		**26**
Prionospio multibranchiata	5	43	4	2	1	1					45	1			1							**206**
Prionospio steenstrupi	34	46	18	130	82	103	24	26	37	29	163	52	8	19	6	24	18	30	13	20	17	**2,730**
Proclea graffi							1		1					1			1					**15**
Protodorvillea gracilis		1	1							17	1	12										**156**
Pseudopotamilla occelata															1							**1**
Pterocirrus montereyensis																						**1**
Rhodine bitorquata					2			1	1					3	1							**15**
Scoletoma luti	1			13	7	8	7	5	9				19	21	30	14	5	4	8	4	13	**342**

Table D-1. 2006 Benthic Taxonomy and Biomass Data: Post Operation, Year One Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-02			DWMP-03			DWMP-04			DWMP-05			DWMP-06			DWMP-07			DWMP-08			DWMP-09		
Replicate	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**
Scoloplos acmeceps										3		1	4	25	1			3	7	1	2						
Sigambra nr bassi										1		7							5	1		3	3	7	3	6	4
Sphaerodoropsis sphaerulifer					1	1						1						2					2				
Spio cirrifera																											
Spiochaetopterus pottsi (=Spiochaetopterus costarum)	14	15	21		1																		1		1		
Spiophanes berkeleyorum	9	4	15						1							2				1							
Sternaspis nr fossor (=Sternaspis scutata)											1																
Sthenelais sp																											
Terebellidae (damaged or juvenile)								1		1												1	1				
Terebellides californica						1	1		1							2	1	2	1	1	4	5			1	9	1
Terebellides horikoshii																											
Terebellides reishi				1	1	3			1								1	1			1						
Terebellides sp juvenile						1			1			4				4		3		1		1		1	8	1	4
Travisia brevis																				1							
Trichobranchus glacialis					1																						
Trochochaeta multisetosa								1	1		1	1					1						1				
Typosyllis caeca (=Typosyllis hyperioni)	1		1	9	3	7		1			1						3										
Typosyllis cornuta (=Typosyllis harti)				9	12	15		1		1																	
Typosyllis heterochaeta										2	3						1										
Annelida Biomass (grams)	**3.86**	**3.09**	**4.06**	**12.91**	**5.61**	**5.81**	**1.46**	**1.00**	**1.14**	**1.27**	**1.57**	**0.98**	**5.73**	**4.10**	**5.16**	**1.21**	**1.37**	**1.14**	**1.37**	**4.29**	**0.63**	**1.96**	**2.05**	**1.61**	**2.78**	**1.18**	**0.94**
MOLLUSCA																											
Acila castrensis										1						1					1	1		1			
Acteocina culcitella													1														
Adontorhina cyclia											1											1					
Alvania compacta	34	104	56	24	67	24	5	11	3	2	2	2	9	11	7	4	2			1							
Alvania rosana				1		2	4	3	1	10	16	6				2	3	2	20	5	2	2		1	2	1	5
Astyris gausapata				9	1		8	4	1	9	4	11				5	7	13	27	18	11	6	7	8	22	6	21
Axinopsida serricata	4	15	15	83	114	141	208	161	74	176	71	349				164	211	222	549	572	572	336	256	269	443	427	770
Calliostoma ligatum																											
Cardiomya pectinata										5	1	2				1			3	1				1			
Cephalispidea spp.																											
Chaetoderma sp.									1	1	1	2								2	1	3		6		3	2
Clinocardium blandum																											
Compsomyax subdiaphana					1		3	2	2	5	2	4				2	4	4	8	9	3	4	3	6	17	8	3
Crepipatella dorsata	1	1				1					2		2														
Cryptonatica affinis																1											
Cylichna attonsa						1						2					1		1		1	1					2
Ennucula tenuis				1	4	8	7	10	4	8	3	6				7	9	12	8	7	12	3	3	4	4	6	6
Euspira pallida				1																							
Euspira sp. juv.																											
Gastropoda sp. juv.						1																					
Haminoea spp.																						5	2	3			
Haminoea virescens						3					1						13	12		3	1				4	1	1
Hiatella arctica						3				2					1												
Homolopoma sp. juv.																											
Humilaria kennerleyi																											
Kurtzia arteaga																1											
Lacuna vincta						2																					
Lirobittium eschrichtii						2	31	12	5	10	12	24				9	24	27	26	41	29	31	13	8	10	9	14
Lirularia lirulata													1	2													
Lottia ochracea																											

Table D-1. 2006 Benthic Taxonomy and Biomass Data: Post Operation, Year One Sediment Monitoring

Sampling Location ID	DWMP-10			DWMP-11			DWMP-12			DWMP-13			DWMP-14			DWMP-15			DWMP-16			Total
Replicate	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**Organisms**
Scoloplos acmeceps	11	7	15							21	2	35										**138**
Sigambra nr bassi							10	6	5									4	1	1		**67**
Sphaerodoropsis sphaerulifer				5	3	1							1	2	3	1						**23**
Spio cirrifera						1																**1**
Spiochaetopterus pottsi (=Spiochaetopterus costarum)					1	1									2						1	**58**
Spiophanes berkeleyorum		2	1	1							1		2	1								**40**
Sternaspis nr fossor (=Sternaspis scutata)																			1	1		**3**
Sthenelais sp						1																**1**
Terebellidae (damaged or juvenile)										1		1					1		1			**8**
Terebellides californica				1			6	6	7													**50**
Terebellides horikoshii																		1				**1**
Terebellides reishi						1							3		1							**14**
Terebellides sp juvenile							2	2	1												1	**35**
Travisia brevis																						**1**
Trichobranchus glacialis																						**1**
Trochochaeta multisetosa				1	1	4											1				2	**15**
Typosyllis caeca (=Typosyllis hyperioni)				7	6	8				1			2	1	1							**52**
Typosyllis cornuta (=Typosyllis harti)				3	2			1					1	5	2	1	1	1			1	**56**
Typosyllis heterochaeta				1	1											1			1		3	**13**
Annelida Biomass (grams)	**1.88**	**0.60**	**1.46**	**2.94**	**2.89**	**3.23**	**1.16**	**0.64**	**0.82**	**3.78**	**4.27**	**3.49**	**9.18**	**6.99**	**6.89**	**1.45**	**0.81**	**0.64**	**1.17**	**1.53**	**1.86**	
MOLLUSCA																						
Acila castrensis				3													1					**9**
Acteocina culcitella										1												**2**
Adontorhina cyclia																2	1					**5**
Alvania compacta	38	47	35	5	3	5				15	6	14	14	24	23		15	2	3		2	**619**
Alvania rosana				4	5	1	1		3							8	6	8	14	3	15	**156**
Astyris gausapata			1	7	3	6	2	4	3							7	10	2	16	13	2	**274**
Axinopsida serricata	4		3	162	202	113	196	170	291				85	115	52	248	131	132	128	225	72	**8,531**
Calliostoma ligatum											1											**1**
Cardiomya pectinata					1														4	1	1	**21**
Cephalispidea spp.				23		6																**29**
Chaetoderma sp.					2			2	1								2	2		1		**32**
Clinocardium blandum												1										**1**
Compsomyax subdiaphana				3	1	1	5	6	3				1			2	2		10	5	1	**130**
Crepipatella dorsata																						**7**
Cryptonatica affinis																						**1**
Cylichna attonsa																		1				**10**
Ennucula tenuis				7	8	8	3	3	3				1			15	13	10	11	11	11	**236**
Euspira pallida																						**1**
Euspira sp. juv.																					1	**1**
Gastropoda sp. juv.																						**1**
Haminoea spp.																						**10**
Haminoea virescens				1					1					1								**42**
Hiatella arctica	1																					**7**
Homolopoma sp. juv.																	1					**1**
Humilaria kennerleyi											1											**1**
Kurtzia arteaga																						**1**
Lacuna vincta	3										1						1					**7**
Lirobittium eschrichtii				7	8	17	13	8	16							25	11	6	18	17	12	**495**
Lirularia lirulata			3																			**6**
Lottia ochracea												1										**1**

Table D-1. 2006 Benthic Taxonomy and Biomass Data: Post Operation, Year One Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-02			DWMP-03			DWMP-04			DWMP-05			DWMP-06			DWMP-07			DWMP-08			DWMP-09		
Replicate	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**
Lucinoma annulatum				1	2	3	15	7	5	2	2	5				11	8	12	11	10	7	11	9	8	6	3	11
Lyonsia californica					2	3	2	1	1	2	2	1				3		3	1		1				1	1	
Macoma carlottensis	34	23	4	6	5	21	31	14	11	31	27	58				19	21	39	59	36	60	16	29	7	28	40	39
Macoma elimata				9	8	16	2	4		2	1	6					1	2					1	1			
Macoma golikovi				1		2							8	5													
Macoma inquinata														4	11												
Macoma nasuta																											
Macoma sp. juv.	3		2		2	5	2	1					36	43	23	1	2	4	1	1	1	18	16	4	3	1	1
Macoma yoldiformis		1		5	11	14	3	1			1	2	1			3	1	1				2	2				
Modiolus sp. juv.																											
Musculus sp. juv.		1																									
Mya arenaria					2		1					1							1					1			
Mytilus sp. juv.			1																								
Neaeromya compressa														3	3												
Nemocardium centifilosum							1	3	1	3	6	1				2			2	1	2			3	2	1	1
Nuculana minuta						1				2	1	2						2									
Nudibranchia spp. Indet.													10	5	5												
Nutricola lordi		1		9	11	9	2	2	3	1			18	6	12	1										1	
Odostomia sp.		2		2	1	3	3		1		1						1	1	1	1	3	1		2			
Pandora filosa							3	3		1	1					4	2	2	5		4	4	5	1	3	2	3
Parvilucina tenuisculpta	76	67	108	131	179	310	502	331	166	70	42	183	140	127	131	230	267	244	247	197	169	455	249	281	342	328	435
Pododesmus macrochisma		1																									
Pulsellum salishorum																				1	1						
Rictaxis punctocaelatus																1											
Rochefortia tumida	1	2	2	12	5	23	2	5	3		2	4	114	92	106	2	5	3	1	2	4	4	1	1	2	3	10
Scintillona bellerophon													6														
Solamen columbianum			1	3	6	11	5	4	2	9	6	2				8	7	3	4	5	4	5	2	8	4	2	5
Tectura scutum															1												
Tellina modesta														3													
Tellina spp.																											
Thracia trapezoides																2											
Thyasira flexuosa				1	6	2	2	1	2	4	2	5				4	3	2	5	2	1	4	4	2	2	2	
Turbonilla sp. #1				3	4	10	1		1	1			1						1			2	1	3			1
Turbonilla sp. #2					2																						
Yoldia seminuda																			1	2	1						
Mollusca Biomass (grams)	**7.49**	**7.98**	**4.10**	**4.18**	**4.51**	**7.14**	**10.02**	**6.40**	**13.96**	**3.42**	**2.61**	**7.16**	**6.68**	**3.13**	**5.90**	**4.39**	**7.22**	**8.77**	**9.18**	**9.82**	**7.64**	**17.52**	**8.74**	**7.41**	**12.33**	**14.34**	**19.06**
CRUSTACEA																											
Americhelidium rectipalmum																											
Americhelidium shoemakeri												1	3	1	1									1	3		
Americhelidium variabilum			1																1								
Ampelisca brevisimulata																											
Ampelisca hancocki																			1	1							
Ampelisca lobata											1					1											
Ampelisca sp.																							1				
Ampelisca unsocalae																			1								
Ampithoe lacertosa																											
Ampithoe sp.	1		1										1		1												
Anomura												1															
Aoroides columbiae													1														
Aoroides inermis														4													
Aoroides sp.			1		1	1							2	4	9				1								

Table D-1. 2006 Benthic Taxonomy and Biomass Data: Post Operation, Year One Sediment Monitoring

Sampling Location ID	DWMP-10			DWMP-11			DWMP-12			DWMP-13			DWMP-14			DWMP-15			DWMP-16			Total
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	Organisms
Lucinoma annulatum				10	24	12	7	1	6				1			14	3	3		4	2	**236**
Lyonsia californica					2		1			3		1		1	1					1		**34**
Macoma carlottensis	6			40	30	15	10	28	28				2	19	6	40	14	18	60	19	24	**1,017**
Macoma elimata					1	1							3	3	6		4	1	2		5	**79**
Macoma golikovi		3	2							8	2	5										**36**
Macoma inquinata																						**15**
Macoma nasuta	1	3	5					1														**10**
Macoma sp. juv.	28	12	23	3	2			1	3	71	13	22	1	4	2	1			1			**357**
Macoma yoldiformis		1	3							1		2										**55**
Modiolus sp. juv.												2										**2**
Musculus sp. juv.																						**1**
Mya arenaria																	1					**7**
Mytilus sp. juv.	1										1											**3**
Neaeromya compressa																						**6**
Nemocardium centifilosum					1	1	1	1							1	3	4	1	1	2	5	**50**
Nuculana minuta																						**8**
Nudibranchia spp. Indet.										2		2										**24**
Nutricola lordi		1	2			1				14	2	1				1	1		2		3	**104**
Odostomia sp.				1	2	2				1			1	1	4	2	2		1		1	**41**
Pandora filosa				1	1	2	1									2	1	1	5	5	2	**64**
Parvilucina tenuisculpta	42	41	24	425	344	259	188	213	372	54	76	34	109	153	138	297	139	145	88	220	51	**9,419**
Pododesmus macrochisma																						**1**
Pulsellum salishorum																						**2**
Rictaxis punctocaelatus				1											1							**3**
Rochefortia tumida	14	22	3	21	2		1	3	5	109	42	17	3	4	2	14		8	4	1		**686**
Scintillona bellerophon										2	1	1										**10**
Solamen columbianum				3	4	2								2		3	3	5	5	4	5	**142**
Tectura scutum																						**1**
Tellina modesta	9	4	12							8	2	3										**41**
Tellina spp.												1										**1**
Thracia trapezoides																						**2**
Thyasira flexuosa				1	1	1	1						4	2		6	2		2	1		**77**
Turbonilla sp. #1	1			11	14	11			1	8		1			3	6	5	1			1	**92**
Turbonilla sp. #2					1	1								1								**5**
Yoldia seminuda							1		1											1		**7**
Mollusca Biomass (grams)	**1.53**	**1.54**	**1.34**	**11.61**	**5.69**	**5.82**	**5.40**	**37.11**	**8.61**	**2.46**	**2.48**	**1.57**	**13.63**	**8.28**	**6.54**	**6.18**	**3.79**	**3.39**	**3.92**	**9.93**	**3.83**	
CRUSTACEA																						
Americhelidium rectipalmum										5	1											**6**
Americhelidium shoemakeri	2	3	5			1				14	1	1		1								**38**
Americhelidium variabilum									1													**3**
Ampelisca brevisimulata									1													**1**
Ampelisca hancocki																	1				2	**5**
Ampelisca lobata																						**2**
Ampelisca sp.																						**1**
Ampelisca unsocalae								1														**2**
Ampithoe lacertosa		2																				**2**
Ampithoe sp.		18	1							1	2											**26**
Anomura																						**1**
Aoroides columbiae												1										**2**
Aoroides inermis	25	21	40								4											**94**
Aoroides sp.	3		1									3	1	1								**28**

Table D-1. 2006 Benthic Taxonomy and Biomass Data: Post Operation, Year One Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-02			DWMP-03			DWMP-04			DWMP-05			DWMP-06			DWMP-07			DWMP-08			DWMP-09		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Aoroides spinosus														7													
Balanus crenatus	1	4			1	5		1			2			5													
Bathyleberis sp.						1	1									2	1	2						1	1	1	
Brachyura zoeae																											
Byblis millsi		1	1	1	1		1			1				1													
Campylaspis canaliculata					1																						1
Campylaspis hartae																											
Campylaspis rubromaculata										2						1											
Campylaspis rufa							1			1		1											1				
Cancer productus													1		3												
Caprella spp.															1												
Collembola	1	2	3								1		2														
Crangon alaskensis																								1			
Cumella vulgaris					1									2													
Cyclopoida			1																								
Deflexilodes sp.																				1		1					
Desdimelita californica														1	17												
Desdimelita desdichada	1												67	18	87												
Desdimelita sp.													11		4												
Diastylis santamariensis	1		1											1										1			
Dulichia sp.														1													
Eochelidium sp.						1												1									
Erichthonius brasiliensis					2																						
Eualus sp.	3	9	4										1														
Eualus subtilis															5												
Eudorella pacifica		1	1	2	2	4			1			6					1	3	2	1	3		2	2	6	1	1
Eudorellopsis longirostris											1																
Euphilomedes carcharodonta				44	79	56	59	31	25	56	60	50				60	60	47	58	47	49	16	3	38	38	19	33
Euphilomedes producta				9	15	12	33	31	18	37	21	36				31	33	35	59	46	37	10	8	9	23	11	29
Fabia subquadrata																								1			
Foxiphalus similis	10	13	10	1									27	31	28												
Haliophasma geminatum				1	1		1	1												1							
Harpacticoida	1												1														
Heptacarpus sitchensis																											
Heterophoxus affinis																									3	1	
Heterophoxus conlanae	9	8	5	2	5	4		3	1	2						1											
Heterophoxus ellisi								1								4	4	1					1	1			
Heterophoxus sp.	5	8	2	1	1		2														1	2	3	2			
Hippomedon coecus				3			1				1						1	3	1								
Ischyrocerus sp.																											
Lepidepecreum garthi																			1						1		
Leptochelia dubia				1	3	2							6	2	5		6	5					1			1	
Leptostylis sp.																											
Leucon subnasica																											
Limnoria lignorum		1																									
Lophopanopeus bellus	1	6	1																								
Maera sp.															1												
Megamoera subtener														7	40												
Mesocrangon munitella	3		1										2	1	1												
Metaphoxus frequens						2					1					1		1			1						
Munna ubiquita														2													
Nebalia sp.																											
Neotrypaea gigas	7	4	1			1	1	2		1							1					1				1	

Table D-1. 2006 Benthic Taxonomy and Biomass Data: Post Operation, Year One Sediment Monitoring

Sampling Location ID	DWMP-10			DWMP-11			DWMP-12			DWMP-13			DWMP-14			DWMP-15			DWMP-16			Total
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	Organisms
Aoroides spinosus			10									1										**18**
Balanus crenatus	3	7		2	1	3				1	1	5	1									**43**
Bathyleberis sp.				2	2	1					1				2					1		**19**
Brachyura zoeae													1									**1**
Byblis millsi	1		1	5	1								1									**16**
Campylaspis canaliculata																						**2**
Campylaspis hartae																			1			**1**
Campylaspis rubromaculata																						**3**
Campylaspis rufa				1												1						**6**
Cancer productus																						**4**
Caprella spp.										7	3											**11**
Collembola										2	2	5										**18**
Crangon alaskensis															1							**2**
Cumella vulgaris																						**3**
Cyclopoida																						**1**
Deflexilodes sp.					2																	**4**
Desdimelita californica												5										**23**
Desdimelita desdichada	1	1	4							11	3	36										**229**
Desdimelita sp.																						**15**
Diastylis santamariensis	5	2	5			1				1	2	2	1		2							**25**
Dulichia sp.			1								1											**3**
Eochelidium sp.	3	1									1		1						1			**9**
Erichthonius brasiliensis													1									**3**
Eualus sp.	10	13	1											1								**42**
Eualus subtilis	1	8								3	22											**39**
Eudorella pacifica				3	4			1					1	8	2	1			1			**60**
Eudorellopsis longirostris																						**1**
Euphilomedes carcharodonta	1			39	86	61	15	19	25	1		2	3	1	1	46	80	28	32	48	53	**1,469**
Euphilomedes producta				39	40	36	20	20	22				1	2	1	39	48	24	27	6	50	**918**
Fabia subquadrata																						**1**
Foxiphalus similis	12	22	11	1							56	31		1								**254**
Haliophasma geminatum				3		1								3			1	2	1			**16**
Harpacticoida																						**2**
Heptacarpus sitchensis	1																					**1**
Heterophoxus affinis							1	3	3	23												**34**
Heterophoxus conlanae				8	2	2							1	8	1			2				**64**
Heterophoxus ellisi					2	6							1		1	3	1		1			**27**
Heterophoxus sp.				7	3	3								1	2						4	**47**
Hippomedon coecus				1																		**11**
Ischyrocerus sp.										4												**4**
Lepidepecreum garthi																						**2**
Leptochelia dubia				2						2	1	3						1				**41**
Leptostylis sp.																	1					**1**
Leucon subnasica																					1	**1**
Limnoria lignorum																						**1**
Lophopanopeus bellus		2								2	6	4										**22**
Maera sp.																						**1**
Megamoera subtener	2	3								10	13	22										**97**
Mesocrangon munitella		1				1					1			1								**12**
Metaphoxus frequens				3	1	2										1						**13**
Munna ubiquita										1												**3**
Nebalia sp.	1	5	9									1										**16**
Neotrypaea gigas						1							5	5	9	1		1		1		**43**

Table D-1. 2006 Benthic Taxonomy and Biomass Data: Post Operation, Year One Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-02			DWMP-03			DWMP-04			DWMP-05			DWMP-06			DWMP-07			DWMP-08			DWMP-09		
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Neotrypaea sp.																											
Opisa tridentata																											
Orchomene decipiens	1					7							5	2	3												
Pachynus barnardi				1																							
Pagurus sp.	1																										
Parametaphoxus quaylei	7	1	2												1												
Photis brevipes														8	2												
Photis sp.													4	4													
Pinnixa occidentalis								1	1																		
Pinnixa schmitti	1		3	2	3	8		3	2	2								3							1		
Pinnixa sp.			2	3			1	1					1									1					
Pleurogonium rubicundum																											
Pleusirus seccorus													2		2												
Pleustidae																											
Pleusymtes sp.													9	4	3												
Prachynella lodo																											
Rutiderma lomae				3	3	19	2	1	1		3	4				3	5	1			3	4	4	4	1	1	
Scoloura phillipsi											1																
Spirontocaris prionata																											
Spirontocaris snyderi																											
Westwoodilla caecula			1	3								3				2	2		2		2	1	1		1	1	
Crustacea Biomass (grams)	**0.47**	**5.46**	**0.16**	**0.22**	**0.41**	**1.09**	**0.25**	**2.1**	**0.13**	**0.63**	**0.76**	**0.16**	**1.15**	**0.7**	**1.61**	**0.26**	**0.37**	**0.21**	**0.23**	**0.24**	**0.18**	**0.12**	**0.02**	**0.36**	**0.13**	**0.06**	**0.10**
MISCELLANEOUS TAXA																											
Amphiodia (Amphispina) urtica/periercta				8	1	6	5	2	2			1				8	1	3				1					
Amphiodia sp. indet.				1	5	8	3			2		1				1	2	1	1				1	1			1
Amphipholis sp. indet.		1				3	1											1									
Amphipholis squamata						1																					
Amphiporus spp. indet.		1					1											1									
Carinoma mutabilis																											
Cerebratulus spp. indet.	1		1																			1					
Dendrochirotida spp. indet.			1																								
Edwardsia sipunculoides				1	1	2							3	8													
Golfingia vulgaris																											
Golfingiidae sp. indet.										6		1															
Hoplonemertea spp. indet.					1	1		1			2							1							1		
invertebrate egg mass																								1			
Laqueidae sp. indet.			1																								
Lineidae spp. indet.	2		1			2			2	2	1	1				2	2	2	1	1	3	2	2	4	1	1	4
Mediaster aequalis																											
Molpadia intermedia																	1										
Nematoda spp. Indet.	4		2							7		1	13	6	2								1				
Nemertea spp. indet.				1												1		1									
Ophiura sp. indet.								2		1									2			1	1		1		1
Ophiurida spp. indet.	2			1	5	2	1	2	3	2	3	3				10		1			4	2	2		6		1
Paleonemertea spp. indet.	1				1						1		1	1							1						
Pentamera lissoplaca				2	1																						
Pentamera populifera																								1			
Pentamera sp. A of Lambert																1											
Pentamera sp. B of Lambert				1		1																					
Phoronopsis harmeri				1																							
Polycladida spp. indet.	1													1	2												

Table D-1. 2006 Benthic Taxonomy and Biomass Data: Post Operation, Year One Sediment Monitoring

Sampling Location ID	DWMP-10			DWMP-11			DWMP-12			DWMP-13			DWMP-14			DWMP-15			DWMP-16			Total
Replicate	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**Organisms**
Neotrypaea sp.																				1		**1**
Opisa tridentata																			1			**1**
Orchomene decipiens		3										9										**30**
Pachynus barnardi				1												1						**3**
Pagurus sp.	1		2																			**4**
Parametaphoxus quaylei				5		1																**17**
Photis brevipes	1		8							10	1											**30**
Photis sp.			3							3	1	2										**17**
Pinnixa occidentalis																			1			**3**
Pinnixa schmitti					1	1		2					4	2	3							**41**
Pinnixa sp.				2										1		1						**13**
Pleurogonium rubicundum									1													**1**
Pleusirus seccorus			1							2	1											**8**
Pleustidae	1																					**1**
Pleusymtes sp.			1							9												**26**
Prachynella lodo					1								1									**2**
Rutiderma lomae				19	7	7				1						3	5		11		2	**117**
Scoloura phillipsi																			1		1	**3**
Spirontocaris prionata											1											**1**
Spirontocaris snyderi				1																		**1**
Westwoodilla caecula		1				1	2	1		1			2						2		1	**30**
Crustacea Biomass (grams)	**0.59**	**1.5**	**0.30**	**0.50**	**0.37**	**0.60**	**0.05**	**0.10**	**0.09**	**0.36**	**1.35**	**1.69**	**0.29**	**0.11**	**0.18**	**0.2**	**0.27**	**0.1**	**0.12**	**0.16**	**0.22**	
MISCELLANEOUS TAXA																						
Amphiodia (Amphispina) urtica/periercta				5	6			1								4	1	1				**56**
Amphiodia sp. indet.				3	1	1										1	5		1		7	**47**
Amphipholis sp. indet.																						**6**
Amphipholis squamata																						**1**
Amphiporus spp. indet.			1										1									**5**
Carinoma mutabilis	2																					**2**
Cerebratulus spp. indet.																						**3**
Dendrochirotida spp. indet.																						**1**
Edwardsia sipunculoides					1							1										**17**
Golfingia vulgaris						1																**1**
Golfingiidae sp. indet.																					4	**11**
Hoplonemertea spp. indet.										1											1	**9**
invertebrate egg mass																						**1**
Laqueidae sp. indet.																						**1**
Lineidae spp. indet.	2			3		3	2	3	2				2		1		1	1		1	1	**58**
Mediaster aequalis				1																		**1**
Molpadia intermedia																						**1**
Nematoda spp. Indet.			1	2						4		1										**44**
Nemertea spp. indet.				3		1										1		1				**9**
Ophiura sp. indet.				2	2	1							2			1						**17**
Ophiurida spp. indet.		1		7	5	4	3	3	1				1	2	1		2		1		4	**85**
Paleonemertea spp. indet.										4								3				**13**
Pentamera lissoplaca												1										**4**
Pentamera populifera							1															**2**
Pentamera sp. A of Lambert																	1				1	**3**
Pentamera sp. B of Lambert																						**2**
Phoronopsis harmeri																						**1**
Polycladida spp. indet.										1		1										**6**

Table D-1. 2006 Benthic Taxonomy and Biomass Data: Post Operation, Year One Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-02			DWMP-03			DWMP-04			DWMP-05			DWMP-06			DWMP-07			DWMP-08			DWMP-09		
Replicate	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**
Priapulus caudatus																											
Tetrastemma spp. indet.																											
Thysanocardia nigra		1	1	2	2	4		1	1		2	1				4	2	1						1			
Tubulanus capistratus																1	1	1			1						
Tubulanus pellucidus/polymorphus	2	1		1			1	4	1	1	4	7				2	4		2	3	3	6	5	9	3	8	3
Tubulanus spp. indet.				1	1																						
Miscellaneous Taxa Biomass (grams)	**1.57**	**0.08**	**6.40**	**0.74**	**0.48**	**0.89**	**0.12**	**0.04**	**0.50**	**<0.01**	**0.21**	**0.24**	**<0.01**	**<0.01**	**<0.01**	**0.66**	**63.74**	**0.45**	**0.10**	**<0.01**	**0.05**	**4.71**	**0.65**	**0.36**	**<0.01**	**0.06**	**0.38**

Notes:
Blank cells indicate none of that particular taxon was found in the replicate sample.

Table D-1. 2006 Benthic Taxonomy and Biomass Data: Post Operation, Year One Sediment Monitoring

Sampling Location ID	DWMP-10			DWMP-11			DWMP-12			DWMP-13			DWMP-14			DWMP-15			DWMP-16			Total
Replicate	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**Organisms**
Priapulus caudatus															1							**1**
Tetrastemma spp. indet.						1																**1**
Thysanocardia nigra				1	1											2	1	1	1		1	**31**
Tubulanus capistratus				1										1								**6**
Tubulanus pellucidus/polymorphus				2	4	3	4	3	15				1	5	1	1	1	1	2		1	**114**
Tubulanus spp. indet.																						**2**
Miscellaneous Taxa Biomass (grams)	**0.60**	**<0.01**	**<0.01**	**16.34**	**0.20**	**0.45**	**<0.01**	**0.06**	**0.12**	**<0.01**	**0.00**	**<0.01**	**<0.01**	**<0.01**	**<0.01**	**0.27**	**0.67**	**0.06**	**0.04**	**<0.01**	**0.79**	

Table D-2. 2007 Benthic Taxonomy and Biomass Data: Post Operation, Year Two Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-02			DWMP-03			DWMP-04			DWMP-05			DWMP-06			DWMP-07			DWMP-08			DWMP-09		
Replicate Number	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
ANNELIDA																											
Amage anops						2	1	1	1	1	2						1	3	3	1					2	1	1
Ampharete acutifrons	3		3																								
Ampharete labrops	1	2	2																								
Ampharete sp						1							1						1								1
Ampharetidae juvenile			1									1															
Amphitrite robusta																											
Anobothrus gracilis			2	4	1	3															1						
Aphelochaeta glandaria (=Aphelochaeta sp N1)	14	6	27	13	6	12		1	6	2					1										2		
Aphelochaeta monilaris				3		5	5	4	1	2	5	3				2		3	2	2		2	7	8	1	1	
Aphelochaeta sp	4	7	1					3		5	7	12				4	2	1			3			1		2	
Aphrodita negligens																1											
Aphrodita sp juvenile							1									1											
Apistobranchus tullbergi (=Apistobranchus ornatus)				24	8	38	4	6	2		2					17	5	9				1					
Aricidea lopezi	1					3		7	3	8	4	5				3	2	7	25	4	9	10	8	14	29	22	28
Aricidea ramosa						1				2	1	3				2	3	2	2						2	1	1
Armandia brevis			1										37	83	24												
Artacama coniferi			1	2		1		1														1					
Asclerocheilus beringianus											1	1															
Autolytinae, polybostrichus (sexual) stage																									1		
Axiothella rubrocincta														6	3												
Bispira elegans																											
Boccardia pugettensis				2		2			1					1										3			
Boccardiella hamata	1			9	1	1	1												1			24	38	12			
Capitella capitata Complex	4	1				2	5	1	1	9	20	9				37	53	81	14		8	21	71	174	49	36	71
Cauleriella pacifica	3	3	2								1		6	21	9												
Chaetopteridae				1										1													
Chaetozone acuta	7	5	3		1								20	14	11												
Chaetozone nr setosa		1	3	3	10	10	4	9	6	8	5	1				3	4	3	3	1	4	3	1	2	1		
Chaetozone sp	2		1				1			1																	
Chaetozone sp N1	2																										
Chirimia similis																		2	1			1	1				
Cirratulidae					1	1								1						1	2		1				
Cirratulus sp																											
Clymenura gracilis		1	1	13	11	10		2	3			1															
Cossura bansei																											
Cossura pygodactylata	1	1	1	2		2				3	4	1						1			3			1		1	
Diopatra ornata	1			6	5	7	1																				
Diopatra sp juv				2	2	1			2	6	7	3		1		3	4	3	3	1	1	2		3		1	5
Dipolydora brachycephala (=Dipolydora caulleryi)	6	11	9				1	1	4				9	8	3												5
Dipolydora cardalia				5	2	10							6	28	39												
Dipolydora socialis	5	3	8	11	5	16	1	7	6	5		3	8	5	6	6	4	4		1		2	1			3	
Dorvillea annulata													1	10	13												
Drilonereis longa	1	2								1		1															
Errano bicirrata											1							1			1	1					
Eteone pacifica														1	2												
Eteone sp		1	1			1	1			1	1		1						1				1	1	1		
Eteone spilotus																						1					
Euclymene cf zonalis	2		1																								
Euclymeninae					2	1	2	3	1	5	2	4	1	1		3	1	3	4	7	5	3	4	3	7	3	1
Eudistylia catharinae		1																									
Eulalia californiensis							1			2	2	1															
Eulalia sp N1																	1										

Table D-2. 2007 Benthic Taxonomy and Biomass Data: Post Operation, Year Two Sediment Monitoring

Sampling Location ID	DWMP-10			DWMP-11			DWMP-12			DWMP-13			DWMP-14			DWMP-15			DWMP-16			Total
Replicate Number	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	Organisms
ANNELIDA																						
Amage anops				2											1		1	2		1		**27**
Ampharete acutifrons																						**6**
Ampharete labrops																						**5**
Ampharete sp																						**4**
Ampharetidae juvenile																						**2**
Amphitrite robusta				1													1					**2**
Anobothrus gracilis						2							1	1								**15**
Aphelochaeta glandaria (=Aphelochaeta sp N1)	8	1	5	6	6	7	1	1	2				93	43	22	16	9	14	10	5	17	**356**
Aphelochaeta monilaris				6	3	3	1	1					2	8	6	6	2	1	3	2		**100**
Aphelochaeta sp															1		1					**54**
Aphrodita negligens																						**1**
Aphrodita sp juvenile																						**2**
Apistobranchus tullbergi (=Apistobranchus ornatus)				10	12	12	1						29	6	11	1	1			1		**200**
Aricidea lopezi				13	8	8	27	22	43				15	1	7	11	2	6	7	13	8	**383**
Aricidea ramosa					1	1	6	3	4				3			1	1			1	2	**43**
Armandia brevis		2	9							21	68	43										**288**
Artacama coniferi								1														**7**
Asclerocheilus beringianus																				1	2	**5**
Autolytinae, polybostrichus (sexual) stage																						**1**
Axiothella rubrocincta																						**9**
Bispira elegans																			1			**1**
Boccardia pugettensis	2		2			1				2		1	10	2	4	1						**34**
Boccardiella hamata				9	15	8									1	2	1	1			7	**132**
Capitella capitata Complex		265	165	149	56	66	7	9	18	4	1		13	1	2	3	5	2	7	62	40	**1,542**
Cauleriella pacifica	8		1								2	1										**57**
Chaetopteridae										1	1	1										**5**
Chaetozone acuta	9	2	1							21	11	8										**113**
Chaetozone nr setosa				6	6	4	3	2	1				8	7	11	21	11	11	8	14	4	**202**
Chaetozone sp																						**5**
Chaetozone sp N1																						**2**
Chirimia similis																			1			**6**
Cirratulidae				4	4	3				1	1											**20**
Cirratulus sp				1																		**1**
Clymenura gracilis				2	3	5							4	6	1	1		2				**66**
Cossura bansei													1	2								**3**
Cossura pygodactylata				1	1	1							1							2		**27**
Diopatra ornata	3	1	1										12	4	1							**42**
Diopatra sp juv		1		3	8	7	2		1			1		3		1	1	2		1		**81**
Dipolydora brachycephala (=Dipolydora caulleryi)	2	1					1						23	3	1		2				1	**91**
Dipolydora cardalia				7	2	1					2	1									2	**105**
Dipolydora socialis	10		2					2		15	12	8	18	20	19		3	21	1	1	1	**243**
Dorvillea annulata											7	1										**32**
Drilonereis longa				1														1				**7**
Errano bicirrata																						**4**
Eteone pacifica																						**3**
Eteone sp					1	4		1		1			2	1	1					1		**23**
Eteone spilotus	1												1									**3**
Euclymene cf zonalis															1							**4**
Euclymeninae	2		2	4	4	1	5	3	6		1	3	5	3	2		3	1	4	4	1	**120**
Eudistylia catharinae																						**1**
Eulalia californiensis																		2				**8**
Eulalia sp N1																						**1**

Table D-2. 2007 Benthic Taxonomy and Biomass Data: Post Operation, Year Two Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-02			DWMP-03			DWMP-04			DWMP-05			DWMP-06			DWMP-07			DWMP-08			DWMP-09		
Replicate Number	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Eumida longicornuta	2		1			3								1									1	1			
Eusyllis habei																											
Exogone lourei			1	1	3	2	11	17	6	14	1	7				9	13	5	1	2	4	4	3	22	4	8	4
Exogone molesta		1																					1	3			1
Flabelligeridae juv			1																								
Galathowenia oculata								1				1															
Gattayana cirrosa	1	1	1								1							1									
Gattayana treadwelli	2														3												
Glycera americana			1										4	15	10					2		1		1			
Glycera nana	8	4	5	3	6	8	6	2	4	6	3	2	1	8	3	11	2	5	2	3	4	7	8	10	7	3	9
Glycera sp													1	2					1				2	3			
Glyceridae juv			1																								
Glycinde armigera										1	1	4							1	1	1	1	1	2	1	2	3
Glycinde picta (=Glycinde polygnatha)	1	2			3	3			1																		
Glycinde sp juv														9					1					1			
Goniada brunnea										1																	
Goniada maculata														1		1											
Harmothoe extenuata	3												2														
Harmothoe imbricata	1	4	2										4	2	6												
Harmothoe sp														1													
Harmothoinae juvenile		1	5	1		1							11	3	4												
Heteromastus sp							3	4	1	1	1																
Isocirrus longiceps											1	1						1									
Lanassa nordenskioeldi				3		4										9	3	4			1						3
Lanassa sp																										1	1
Lanassa venusta																	1	2				1				4	
Laonice cirrata				1		1		1					1			1			2		1	2	1	1			1
Laonice pugettensis	1		3																								
Laonice sp	2								1																		
Leitoscoloplos pugettensis	13	3	3			2							1	18	2												
Lepidasthenia berkeleyae																											
Levinsenia gracilis		1	1	1	4	5	25	38	25	31	28	33				17	11	17	57	21	40	41	39	54	33	42	48
Lumbrineridae juvenile	2	2	1		2	3					5	2	1		1	1	1		2			2	1	5			
Lumbrineris californiensis	20	31	13	8	7	6			2				7		5	1		1									
Lumbrineris cruzensis											1	1				1	1			2	2	2	1	5			
Lumbrineris latreilli																											
Magelona longicornis		1		8	6	2	3	3	2	2	4	1					1				2	3	1				
Magelona sp juvenile							1																				
Maldanidae juv															1												
Malmgreniella macginitiei																											
Mediomastus californiensis	61	43	29	12	16	34	1	5	2	2	8	4	87	103	213	1	1	3	4	2		5	4	3			
Megalomma splendida	1			1		2																					
Melinna oculata	1						1																				
Micropodarke dubia			1										7	10	36												
Monticellina serratiseta							2	2	4	5	2	3				3	1		3		1	2	4				
Monticellina sp N1		1		1	1	2	1		1	2	5	1		1		2	1	5			1	1	2			1	1
Myriochele olgae (=Myriochele heeri)										65	15	42						2	11	11	14				12	1	8
Neosabellaria cementarium																		1									
Nephtys californiensis																											
Nephtys cornuta	8	2	3	5	8	10		4		1	4	1						3	2			4	3	6		6	
Nephtys ferruginea	6	4	4	3	9	12	1		1		1	2					1	2	5		3	5	7	5	4	5	3
Nephtys sp	4	4	1						2			1				1		1							1	3	1
Nereididae juvenile	2	1																									

Table D-2. 2007 Benthic Taxonomy and Biomass Data: Post Operation, Year Two Sediment Monitoring

Sampling Location ID	DWMP-10			DWMP-11			DWMP-12			DWMP-13			DWMP-14			DWMP-15			DWMP-16			Total
Replicate Number	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	Organisms
Eumida longicornuta	1	1	2	1	2									1								**17**
Eusyllis habei	1		1												1							**3**
Exogone lourei				15	8	12	5	3	3	1			4	10	8	12		3	10	12	6	**254**
Exogone molesta				1					1				4	2	1							**15**
Flabelligeridae juv																2	2		1		1	**7**
Galathowenia oculata							1										1					**4**
Gattayana cirrosa																						**5**
Gattayana treadwelli										7	4	2										**18**
Glycera americana										2	1	2				1						**40**
Glycera nana	12	10	7	6	11	6	3	2	3	3	7	14	3	7	9	6	5	8	9	4	2	**277**
Glycera sp																						**9**
Glyceridae juv																						**1**
Glycinde armigera	5	6	11	1	5	2			2		1					4	2		3		3	**64**
Glycinde picta (=Glycinde polygnatha)			1					1														**12**
Glycinde sp juv	5	6	6							1	1	2										**32**
Goniada brunnea								1														**2**
Goniada maculata		18	25		1																	**46**
Harmothoe extenuata	5	4	10											1								**25**
Harmothoe imbricata										2	1	3		1								**26**
Harmothoe sp																						**1**
Harmothoinae juvenile	1		1	2	4						2	2	2								1	**41**
Heteromastus sp																						**10**
Isocirrus longiceps				1												1	1	3			1	**10**
Lanassa nordenskioeldi				1		1																**29**
Lanassa sp							1		2													**5**
Lanassa venusta	2				1		2	2	2						1			1		1		**20**
Laonice cirrata				3	2									1					1	1		**21**
Laonice pugettensis																						**4**
Laonice sp																			2			**5**
Leitoscoloplos pugettensis										2	11	36										**91**
Lepidasthenia berkeleyae				1				1														**2**
Levinsenia gracilis		6	1	19	26	34	61	61	45	1	5	2	14	15	8	37	11	8	25	25	6	**1,022**
Lumbrineridae juvenile					2			1		1		1	1	7	1	4			1	1		**51**
Lumbrineris californiensis	4	2	1	2	3	2				4	5	1	6	4	7							**142**
Lumbrineris cruzensis				1	1	1																**19**
Lumbrineris latreilli					1																	**1**
Magelona longicornis				1		2							11	2	9	2	7	3	2			**78**
Magelona sp juvenile		1																				**2**
Maldanidae juv																						**1**
Malmgreniella macginitiei				2																		**2**
Mediomastus californiensis	53	10	5	12	11	10		2	1	13	13	18	25	35	12	8			3	4	3	**881**
Megalomma splendida													1									**5**
Melinna oculata																					1	**3**
Micropodarke dubia										7	21	14										**96**
Monticellina serratiseta				9	10	6								3	1	10	5	2	1		9	**88**
Monticellina sp N1				5	4	6							2	2	4			1		2		**56**
Myriochele olgae (=Myriochele heeri)							6	9	8							7		8	5	8	4	**236**
Neosabellaria cementarium																	1					**2**
Nephtys californiensis											1											**1**
Nephtys cornuta			1	12	8	9	2	1					10	11		5				2		**131**
Nephtys ferruginea		1		3	4	8	2	4	3			1	5	7	6	8	1		1	3	1	**141**
Nephtys sp											1		4					1		2		**27**
Nereididae juvenile			1										1									**5**

Table D-2. 2007 Benthic Taxonomy and Biomass Data: Post Operation, Year Two Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-02			DWMP-03			DWMP-04			DWMP-05			DWMP-06			DWMP-07			DWMP-08			DWMP-09		
Replicate Number	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Nereis procera	3							1		1				3	1						1		2	3	1		1
Nicomachinae																											
Notomastus hemipodus	3	11	5	22	13	21					2	4				3	4	2	2	2		2	1	2	1	1	1
Notomastus latericeus																											
Notomastus sp										2	1						2	1							1		
Oligochaeta	52	18	13										100	135	193				2			1					
Onuphidae juvenile		1		1						1	2																
Onuphis elegans					1												1										
Onuphis iridescens						3												1	2	1							1
Onuphis sp juv							1			1																	
Ophelina acuminata				2		1											1										
Ophiodromus pugettensis (=Podarke pugettensis)		1											10	5	30												
Orbiniidae juv		1																									
Owenia fusiformis					1																						
Paleanotus bellis													2	11													
Paranaitis polynoides																											
Parandalia fauveli				1	5							1				1											
Paraprionospio pinnata	4	3	1	3	1	6	4	5	4	8	10	1				6	2	7		2	1	6	10	5	1	2	3
Pectinaria californiensis							1	1				1				1	2		1	1	3						4
Pectinaria granulata		1	1		2										3			1									
Pectinaria sp																											
Pherusa plumosa		2	1										8		20			1									
Pherusa sp				1																							
Pholoe glabra						3																1	1	1			
Pholoe sp			1							1																	2
Pholoe sp N1																											
Pholoides asperus	1		1		1	2		2	1	1	32	14			1	4	1	2									
Phyllodoce cuspidata					1					1	1					1	1	1			1	1		1			2
Phyllodoce groenlandica							1	1	3			1										2		2	2		
Phyllodoce hartmanae	2	2	1	6	2	6		1	1	1				7		1					1	7	7	2			2
Phyllodoce longipes														3	1												
Phyllodoce sp		1	1	1	1						2		1	3					2	2			1	1			
Phylo felix																											
Pilargis maculata				1	1	1	2	3	1	2		1				1	4	6		2		7	2	5	8	5	1
Pionosyllis uraga																											
Pista estevanica (=Pista bansei)	1	1			2																					1	
Pista percyi (=Pista brevibranchiata)		1	1	1					1	1					1	1	2	1						1			
Pista sp	2						1		1	2		1															
Pista wui	4		6	14	7	8													1		1						
Platynereis bicanaliculata	4	1	4	1	1	2							2	7	25												
Podarkeopsis glabrus	2		2											1				1						2	2		
Polycirrus sp		1	2	3	1	4	1	1						1		2	3	6						4	2	3	
Polydora limicola					3																						
Polynoidae															1												
Praxillella gracilis				3	1	3																					
Praxillella pacifica						2																					
Prionospio lighti		2	3																								
Prionospio multibranchiata	14	15	14										66	34	159									1			
Prionospio sp juv																											
Prionospio steenstrupi	162	93	105	52	37	107	33	50	45	36	96	38	93	97	137	70	38	50	40	7	27	125	99	120	14	20	16
Proceraea cornuta									1															1			
Proceraea sp													1														
Proclea graffi								4		1	1	1													1	1	

Table D-2. 2007 Benthic Taxonomy and Biomass Data: Post Operation, Year Two Sediment Monitoring

Sampling Location ID	DWMP-10			DWMP-11			DWMP-12			DWMP-13			DWMP-14			DWMP-15			DWMP-16			Total
Replicate Number	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	Organisms
Nereis procera	4				3	1	1						5	2	1							**34**
Nicomachinae																		1				**1**
Notomastus hemipodus				12	17	8		1	1				15	19	11	10	8	8	2			**214**
Notomastus latericeus														1								**1**
Notomastus sp	1																					**8**
Oligochaeta	36	16	24	2	3	2				31	237	262	7	5	1			6			1	**1,147**
Onuphidae juvenile							1	1					1				1	2	5	3		**19**
Onuphis elegans	2																					**4**
Onuphis iridescens								1						1	1		3					**14**
Onuphis sp juv											1						4					**7**
Ophelina acuminata					2																	**6**
Ophiodromus pugettensis (=Podarke pugettensis)				2	1																	**49**
Orbiniidae juv																						**1**
Owenia fusiformis	1																					**2**
Paleanotus bellis		3									1											**17**
Paranaitis polynoides	1																					**1**
Parandalia fauveli				2	3								1	1	4							**19**
Paraprionospio pinnata				6	10	5							7	6	7	4	6	14		1	3	**164**
Pectinaria californiensis									1								2	2		1		**21**
Pectinaria granulata											1											**9**
Pectinaria sp											1											**1**
Pherusa plumosa	2				1	1				1												**37**
Pherusa sp																						**1**
Pholoe glabra					3	1				1												**11**
Pholoe sp														1								**5**
Pholoe sp N1								2	2													**4**
Pholoides asperus				8	7	5						1	1		1		17	41			44	**188**
Phyllodoce cuspidata	1								1						2							**15**
Phyllodoce groenlandica				5	7								1		1	1				1		**28**
Phyllodoce hartmanae	3	3	4	4	6			2					10	8	13		2	1		2		**107**
Phyllodoce longipes			1								3	4										**12**
Phyllodoce sp			1	2	1					2	3											**25**
Phylo felix	1																					**1**
Pilargis maculata				2	8	7		5	2					2	1	4	3	2	3	1	1	**94**
Pionosyllis uraga								1														**1**
Pista estevanica (=Pista bansei)																						**5**
Pista percyi (=Pista brevibranchiata)				3		3							4		3			1				**25**
Pista sp	1						1		1											1		**11**
Pista wui	2	2		2	2									1								**50**
Platynereis bicanaliculata	16	7	7							2	5	6	1									**91**
Podarkeopsis glabrus				1				1		2			1	2								**17**
Polycirrus sp	8		7	4		3	1	1	3				7	1	1			1		4		**75**
Polydora limicola				2																		**5**
Polynoidae																						**1**
Praxillella gracilis															2							**9**
Praxillella pacifica					1	2		1														**6**
Prionospio lighti						1			1		1			2								**10**
Prionospio multibranchiata	4	4	5	1						36	36	39	3	1								**432**
Prionospio sp juv			1																			**1**
Prionospio steenstrupi	34	7	12	115	173	123	26	18	12	52	29	44	65	46	41	74	36	80	32	56		**2,882**
Proceraea cornuta																						**2**
Proceraea sp																						**1**
Proclea graffi	1							1	1													**12**

Table D-2. 2007 Benthic Taxonomy and Biomass Data: Post Operation, Year Two Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-02			DWMP-03			DWMP-04			DWMP-05			DWMP-06			DWMP-07			DWMP-08			DWMP-09		
Replicate Number	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**
Protodorvillea gracilis									1					213	7												
Pterocirrus montereyensis	1												1														
Pygospio elegans																											
Rhodine bitorquata				2		2		3		1	2	3				3	2	3	1	2						1	1
Scoletoma luti	7	9	6	18	17	31	8	15	15	5	5	1				5	6	12	11	3	9	8	8	6	4	3	6
Scoloplos acmeceps			2									4	3	12	4	2	1	1			2		1				
Sigambra nr bassi								2	1		1					5	2	1			1	3	7		5	2	4
Sphaerodoropsis sphaerulifer					2	2				3		3					2	3	5	2		2	4	2	6	2	4
Sphaerosyllis californiensis														2													
Sphaerosyllis ranunculus																											
Spio filicornis													1														
Spiochaetopterus pottsi (=Spiochaetopterus costarum)	7	7	12		2			1			1																
Spionidae			1							1		1															
Spiophanes berkeleyorum	7	12	7	3	1	1		1	2	2	3		3	1		1				1	1				1	1	2
Sternaspis nr fossor (=Sternaspis scutata)																									1		
Sthenelais tertiaglabra						1				1						2										1	
Streblosoma bairdi										1																	
Tenonia priops									1								2					2				1	
Terebellidae (damaged or juvenile)				2																							
Terebellides californica								3		1	1					3		2			1				4	4	1
Terebellides reishi				1	3	3														1	2						
Terebellides sp				1	1	1											1				1					1	
Travisia brevis							1			1	1																
Trichobranchus glacialis																											
Trochochaeta multisetosa	1					1				1														2			
Typosyllis caeca (=Typosyllis hyperioni)		1	1	5	3	4	1							4				1									
Typosyllis cornuta (=Typosyllis harti)				3	4	3			1		1	1					2					2	1				
Typosyllis heterochaeta							1			1		1				3		1	2				1	1			
Annelida Biomass (grams)	**4.69**	**4.39**	**4.83**	**4.53**	**3.38**	**6.20**	**1.20**	**1.68**	**1.32**	**1.34**	**1.54**	**2.13**	**3.49**	**5.11**	**9.07**	**2.48**	**1.27**	**4.54**	**0.57**	**1.46**	**2.09**	**4.51**	**2.66**	**2.78**	**1.24**	**1.62**	**1.44**
MOLLUSCA																											
Acila castrensis				2													1					1		1	1		1
Acteocina culcitella														1													
Adontorhina cyclia				1					1	3	3	2							2		2						
Aeolidiacea sp.														2													
Alvania compacta	20	9	21	9	5	7		4	1		2	4	16	3	2	2	2					2				2	
Alvania rosana			1		3	4		6	3	12	21	10				1	3	9	9	5	10	2		1	6	4	4
Astyris gausapata				1	3	6	3	3		4	10	17				1	1		8	5	1	9	1	13	1		2
Axinopsida serricata	39	20	52	167	210	193	200	131	102	290	121	245				227	144	177	566	609	498	115	57	75	564	473	494
Caecum crebricinctum																											
Calliostoma ligatum														1													
Cardiomya pectinata				1			1			10	4	4				1	1	2	3		3						
Cephalispidea spp.		1																				3	1	5			
Chaetoderma sp.						1			1		1	5						1	4	2		1		1	3	1	1
Clinocardium blandum	1																										
Compsomyax subdiaphana							2	2		4	3	3					2	2	5	7	8	1	1	1	2	1	
Crepipatella dorsata	2	3	3								1	2	23	1													
Cryptonatica affinis							1																				
Cylichna attonsa																											
Ennucula tenuis			1	5	5	6	6	3	4	6	4	6				11	6	10	5	7	3	1		1	5	1	7
Fartulum occidentale															1												
Haminoea vesicula					1	1		1											2		1				2		2

Table D-2. 2007 Benthic Taxonomy and Biomass Data: Post Operation, Year Two Sediment Monitoring

Sampling Location ID	DWMP-10			DWMP-11			DWMP-12			DWMP-13			DWMP-14			DWMP-15			DWMP-16			Total
Replicate Number	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**Organisms**
Protodorvillea gracilis	1		2		1						1	2	1	1								**230**
Pterocirrus montereyensis											2											**4**
Pygospio elegans			1								1											**2**
Rhodine bitorquata				2	1				1				1	4	1				2			**38**
Scoletoma luti		1	2	3	13	18	6	5	4	3			17	25	26	13	14	10	4	8	7	**397**
Scoloplos acmeceps	25	4	9		1					3	7	4							2	2	2	**91**
Sigambra nr bassi		1		4		1	2	3	8							2	1		1	2		**59**
Sphaerodoropsis sphaerulifer			1	1	7	2	1	1					2			3			2	1		**63**
Sphaerosyllis californiensis																						**2**
Sphaerosyllis ranunculus													2									**2**
Spio filicornis		1									1											**3**
Spiochaetopterus pottsi (=Spiochaetopterus costarum)	1												2		1		1					**35**
Spionidae		1													1							**5**
Spiophanes berkeleyorum	1		1			1	2			1		1	3	3				1		1		**65**
Sternaspis nr fossor (=Sternaspis scutata)																		1			1	**3**
Sthenelais tertiaglabra				1	1			1										1				**9**
Streblosoma bairdi	15							2														**18**
Tenonia priops	2		4							1	1	1		1		1						**17**
Terebellidae (damaged or juvenile)	2			1				2	1													**8**
Terebellides californica				1		1	2	1														**25**
Terebellides reishi						1							4	1	1							**17**
Terebellides sp																		1	1			**8**
Travisia brevis																						**3**
Trichobranchus glacialis													1							1		**2**
Trochochaeta multisetosa																					1	**6**
Typosyllis caeca (=Typosyllis hyperioni)	1			3	17	8	2							4	1							**56**
Typosyllis cornuta (=Typosyllis harti)				1	2	3							4	10	3	1	1	1			1	**45**
Typosyllis heterochaeta				2		1													4			**18**
Annelida Biomass (grams)	**6.05**	**2.19**	**1.78**	**2.99**	**3.09**	**3.11**	**0.78**	**2.28**	**0.94**	**2.40**	**2.98**	**2.92**	**8.68**	**5.09**	**3.38**	**3.09**	**2.45**	**2.47**	**1.89**	**1.93**	**2.26**	
MOLLUSCA																						
Acila castrensis								1								1						**9**
Acteocina culcitella																						**1**
Adontorhina cyclia																			1		1	**16**
Aeolidiacea sp.																						**2**
Alvania compacta	49	75	33		1	3		1		9	18	17	3	6	9	4		1	2		2	**344**
Alvania rosana				3	3	3	1	3	5				1	5	1	8	1	1	3	9	12	**173**
Astyris gausapata	2	2		5	4	2	2		8				1	3	3	5	5		3	2	5	**141**
Axinopsida serricata	11		4	145	195	155	232	256	223	1	1	2	142	139	148	213	116	108	130	324	91	**8,405**
Caecum crebricinctum												1										**1**
Calliostoma ligatum											1											**2**
Cardiomya pectinata						1											1	1	8	1	5	**47**
Cephalispidea spp.				26	5												1					**42**
Chaetoderma sp.	1			3	2		1	1	2						1	2	1	1	2			**39**
Clinocardium blandum																						**1**
Compsomyax subdiaphana		1				3	4	1	1						1		3	1	7	4	5	**75**
Crepipatella dorsata			1							3	1	3					1				1	**45**
Cryptonatica affinis																						**1**
Cylichna attonsa																		1				**1**
Ennucula tenuis				2	4	1	2	2					1		1	2	4	5	5	6	2	**140**
Fartulum occidentale																						**1**
Haminoea vesicula																						**10**

Table D-2. 2007 Benthic Taxonomy and Biomass Data: Post Operation, Year Two Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-02			DWMP-03			DWMP-04			DWMP-05			DWMP-06			DWMP-07			DWMP-08			DWMP-09		
Replicate Number	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**
Hiatella arctica											3							1							1		
Ischnochitonidae sp. juv.															1												
Kurtzia arteaga										1																	
Lacuna vincta		1												13	4												
Lirobittium eschrichtii				1			17	24	8	17	11	18				17	12	17	31	38	18	28	13	31	14	21	28
Lirularia lirulata																											
Lottia spp.													3	1													
Lucinoma annulatum					5	1	5	7	1	3	2	1				12	5	10	12	2	3	8	13	21	13	7	12
Lyonsia californica	3	3	4	16	11	14	8	8	2	6	4	1				12	6	4	6	1	2			1	1		2
Macoma carlottensis	19	10	16	17	13	20	18	47	27	51	46	63				40	32	48	118	35	58	160	153	295	202	120	183
Macoma elimata	1	3	1	5	5	4	3	2	3	1		2					3			1						1	
Macoma golikovi		1		1		1							2	2													
Macoma inquinata															4												
Macoma nasuta		1																									
Macoma sp. juv.	1				3	2		1		7		6	4	6	6		1	5	16	4	6				9	4	12
Macoma yoldiformis	2	1	2	21	13	9	5	3	7	1				2		1	1	5				2	2			1	1
Mactridae sp. juv.														3													
Mactromeris polynyma													1	4	11												
Margarites pupillus			2	1		1							1				1										
Megayoldia thraciaeformis																											
Modiolus modiolus															1		1										
Modiolus sp. juv.																											
Mya arenaria																											
Mytilidae sp. juv.																											
Mytilus sp. juv.	1		1																								
Neaeromya compressa																											
Nemocardium centifilosum				2	1	2	4	3	1	11	7	7				5	5	3	8	6	5				1	1	1
Nuculana minuta		1		1						2	2					2		1	1		2						
Nuculana sp. juv.						2																					
Nudibranchia spp. Indet.	1																										
Nutricola lordi	1	1		13	36	7	1	2								1										1	
Odostomia sp.	1					2		2		1		2				1	2	1		2	1		1		1	1	
Onchidoris bilamelatta														5													
Pandora filosa				2	1		1	2		6	1	4					1		1	1	1	2	1				1
Parvilucina tenuisculpta	130	90	139	239	258	210	412	374	243	148	65	168	49	154	173	381	252	241	243	208	191	271	274	464	592	408	465
Penitella sp.																											
Philine sp.								1								3									8		
Pododesmus macrochisma			2	2		2							1														
Polygireulima rutila					2																						
Polyplacophora sp. juv.													2														
Rictaxis punctocaelatus						1	1																				
Rissoidae sp.																						1					
Rochefortia tumida		2		4	11	6	1	1	6	4		2	10	79	131	4	1	4	6	8	3			10	10		8
Saxidomus gigantea	1													2	1												
Sinomactra falcata																											
Solamen columbianum				11	25	2	16	12	8	12	5	12				25	21	21	20	8	14		2	4	6	1	8
Tellina modesta														2													
Thyasira flexuosa				3		1	3	2	1	6	2	1				3	6	5	5	4	7	5			2	1	
Turbonilla sp. #1	2	1	2	13	4	11	1	1	1			1		5				1				2	1				
Yoldia seminuda											1										1						
Mollusca Biomass (grams)	**8.14**	**5.36**	**4.95**	**7.17**	**5.88**	**5.52**	**6.52**	**8.34**	**4.03**	**5.13**	**5.71**	**5.53**	**2.72**	**4.14**	**7.59**	**7.69**	**11.93**	**6.93**	**6.76**	**14.96**	**8.32**	**20.75**	**14.17**	**26.69**	**21.55**	**11.64**	**12.38**

Table D-2. 2007 Benthic Taxonomy and Biomass Data: Post Operation, Year Two Sediment Monitoring

Sampling Location ID	DWMP-10			DWMP-11			DWMP-12			DWMP-13			DWMP-14			DWMP-15			DWMP-16			Total
Replicate Number	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	Organisms
Hiatella arctica	2																					**7**
Ischnochitonidae sp. juv.																						**1**
Kurtzia arteaga																						**1**
Lacuna vincta		1								1	2	1										**23**
Lirobittium eschrichtii	1			15	18	13	8	17	25						2	8	12	1	18	15	18	**535**
Lirularia lirulata	1	3																				**4**
Lottia spp.																						**4**
Lucinoma annulatum	6		1	5	18	25	9	2	10		1	1				16	3	7	3	2		**252**
Lyonsia californica	1			1	2	3	2						5		7	3	1	2	3	1	2	**148**
Macoma carlottensis				113	111	46	73	46	78				25	7	15	37	37	18	66	112	83	**2,658**
Macoma elimata														3	1	1	1	2	1		1	**45**
Macoma golikovi	1										7	2										**17**
Macoma inquinata																						**4**
Macoma nasuta	3	1	2																			**7**
Macoma sp. juv.	22	10	20							4	26	11	10	8	11			1		1		**217**
Macoma yoldiformis	54	7	16							4	9	6	1	1	4							**181**
Mactridae sp. juv.	13	1	5										1									**23**
Mactromeris polynyma	3																					**19**
Margarites pupillus	6	2	1		1																	**16**
Megayoldia thraciaeformis							1															**1**
Modiolus modiolus																						**2**
Modiolus sp. juv.										2	1											**3**
Mya arenaria																						**0**
Mytilidae sp. juv.													1									**1**
Mytilus sp. juv.																						**2**
Neaeromya compressa										1												**1**
Nemocardium centifilosum				1	1	4	1		3							7	2	1	13	2	7	**115**
Nuculana minuta						1										1	2		1			**17**
Nuculana sp. juv.																						**2**
Nudibranchia spp. Indet.	1	2	2																			**6**
Nutricola lordi	1		1										2	1	13		1			2	1	**85**
Odostomia sp.				4	1	1			1					2	4		2	2	2		2	**39**
Onchidoris bilamelatta																						**5**
Pandora filosa						1		1					2	1	1	5	1	1	4	2		**44**
Parvilucina tenuisculpta	247	11	16	258	376	419	363	279	322	7	111	119	180	167	189	265	105	104	112	195	69	**10,756**
Penitella sp.																		1				**1**
Philine sp.							1	1	1													**15**
Pododesmus macrochisma	1											1										**9**
Polygireulima rutila																						**2**
Polyplacophora sp. juv.																						**2**
Rictaxis punctocaelatus																						**2**
Rissoidae sp.																						**1**
Rochefortia tumida	21	8	10	5	3	3		1	2	12	180	158	2	5	3	2	1	1	2	7	1	**738**
Saxidomus gigantea	3	1	2								4	2										**16**
Sinomactra falcata												1										**1**
Solamen columbianum				1	10	5	3		1					2	6	8	6	4	3	4	2	**288**
Tellina modesta	5	2	3								1	2										**15**
Thyasira flexuosa					2	3	1		3				3	2	5	3	4		1	2	2	**88**
Turbonilla sp. #1	11			2	3	3					1		4		1	1	1				5	**78**
Yoldia seminuda					1																	**3**
Mollusca Biomass (grams)	**3.46**	**0.56**	**0.52**	**5.70**	**7.24**	**7.43**	**19.22**	**8.79**	**16.81**	**0.09**	**2.21**	**3.51**	**4.65**	**4.27**	**4.79**	**5.22**	**3.99**	**4.93**	**6.09**	**4.44**	**4.74**	

Table D-2. 2007 Benthic Taxonomy and Biomass Data: Post Operation, Year Two Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-02			DWMP-03			DWMP-04			DWMP-05			DWMP-06			DWMP-07			DWMP-08			DWMP-09		
Replicate Number	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
CRUSTACEA																											
Americhelidium rectipalmum														1													
Americhelidium shoemakeri	1										1			6								2					
Americhelidium sp.				1																							
Americhelidium variabilum							1																	1			
Ampelisca hancocki																	1			2		1					
Aoroides columbiae																											
Aoroides inermis			4											8	2												
Aoroides sp.				1				1						7	1												
Balanus sp.													1														
Bathyleberis sp.	1	2		1		1	1	1										1			1						
Brachyura megalopae														1													
Byblis millsi		3	4	1					1					1			1				1	1					
Calliopiidae sp.														1	1												
Campylaspis canaliculata					1	1		1																			
Campylaspis rubromaculata																1											
Campylaspis rufa				1	1																						
Caprella kennerlyi (= Metacaprella kennerlyi)	1	1	1																								
Caprella laeviuscula														7													
Caprella spp.														1													
Crangon sp.						1			1																		
Cumella vulgaris				1										1													
Cyclopoida				1																							
Deflexilodes sp.											2																
Desdimelita californica															3												
Desdimelita desdichada	2	2	2			1						3		8													
Diastylis paraspinulosa							1				2	1					1					1					
Diastylis santamariensis	1					1		1						1										1			
Diastylis sp.																											
Dulichia sp.[1]													3		2												
Eochelidium sp.	1			1					1			1													1		
Eualus sp.															1												
Eualus subtilis	3	5	10			2							11		10												
Eudorella pacifica	11	8	6	14	13	45	10	17		4	3	3		1		12	5	3	11		3	2	1	6	10	4	1
Eudorellopsis longirostris										1								1									
Euphausiacea																											
Euphilomedes carcharodonta	4	1		65	67	49	43	52		71	48	62				85	68	45	52	50	55	21	9	22	67	49	54
Euphilomedes producta			3	31	41	25	56	48		77	37	49				45	33	39	82	18	67	23	15	23	88	54	86
Foxiphalus similis	37	23	45	2	1			1					50	6	150				1								
Haliophasma geminatum						3				3						1	1	1	1								
Harpacticoida														1													
Heptacarpus brevirostris																											
Heterophoxus affinis																				1							1
Heterophoxus conlanae	7	10	6	4	6	5	5	3	2																		
Heterophoxus ellisi					2							2				1	1	1		1		3	2		1		1
Heterophoxus sp.	8	4	8			5		3		1	1	2				1	1		1			1	1	1	1		
Hippomedon coecus																1											
Ianiropsis tridens															1												
Idotea montereyensis															1												
Ischyrocerus sp.																											
Lamprops quadriplicata																											
Leptochelia savignyi (= L. dubia)				4	7	1	2	1					1	2	20	2	3					5	7	19	3		
Leptostylis sp.																											

Table D-2. 2007 Benthic Taxonomy and Biomass Data: Post Operation, Year Two Sediment Monitoring

Sampling Location ID	DWMP-10			DWMP-11			DWMP-12			DWMP-13			DWMP-14			DWMP-15			DWMP-16			Total
Replicate Number	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	Organisms
CRUSTACEA																						
Americhelidium rectipalmum		3	1								1											**6**
Americhelidium shoemakeri	3	2	6		1	1					5	9										**37**
Americhelidium sp.																						**1**
Americhelidium variabilum			2																			**4**
Ampelisca hancocki																	1				1	**6**
Aoroides columbiae	1																					**1**
Aoroides inermis		2	2	1				1		5	16	20	5						2			**68**
Aoroides sp.												10						1				**21**
Balanus sp.																						**1**
Bathyleberis sp.				1	1	2			1	1				1		1						**17**
Brachyura megalopae																						**1**
Byblis millsi	2				2	1						1	1				2	1				**23**
Calliopiidae sp.			1				1															**4**
Campylaspis canaliculata						1									1							**5**
Campylaspis rubromaculata																						**1**
Campylaspis rufa																						**2**
Caprella kennerlyi (= Metacaprella kennerlyi)		1				1																**5**
Caprella laeviuscula																						**7**
Caprella spp.		1	1								2	1										**6**
Crangon sp.	1	1	1																			**5**
Cumella vulgaris											4	1										**7**
Cyclopoida																						**1**
Deflexilodes sp.																						**2**
Desdimelita californica																						**3**
Desdimelita desdichada		1	2							23	23	11										**78**
Diastylis paraspinulosa													1						1		1	**9**
Diastylis santamariensis											1	1										**7**
Diastylis sp.						1																**1**
Dulichia sp.[1]										2	2			1								**10**
Eochelidium sp.	1																					**6**
Eualus sp.			2								1											**4**
Eualus subtilis	10	5	8							5		3					11					**83**
Eudorella pacifica				16	15	6	2	1	1				47	8	23	10		4	7	6	2	**341**
Eudorellopsis longirostris																						**2**
Euphausiacea									2													**2**
Euphilomedes carcharodonta	4	3	5	72	57	67	42	27	20		3		42	25	69	81	31	44	43	63	37	**1,774**
Euphilomedes producta				63	81	40	55	18	38		1		10	7	18	80	26	33	45	63	29	**1,547**
Foxiphalus similis	17	3	4	1		1				43	49	49										**483**
Haliophasma geminatum													2			1						**13**
Harpacticoida											1											**2**
Heptacarpus brevirostris											1											**1**
Heterophoxus affinis							1	4	1													**8**
Heterophoxus conlanae				5	6	2							1			2			1		1	**66**
Heterophoxus ellisi					1												2	2				**20**
Heterophoxus sp.					7	4							1					1		1	1	**54**
Hippomedon coecus																						**1**
Ianiropsis tridens																						**1**
Idotea montereyensis																						**1**
Ischyrocerus sp.		1								1												**2**
Lamprops quadriplicata												1										**1**
Leptochelia savignyi (= L. dubia)	3	6	4	19	14	37						1			1	1						**163**
Leptostylis sp.				1																		**1**

Table D-2. 2007 Benthic Taxonomy and Biomass Data: Post Operation, Year Two Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-02			DWMP-03			DWMP-04			DWMP-05			DWMP-06			DWMP-07			DWMP-08			DWMP-09		
Replicate Number	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**
Leucon subnasica																						1					
Leuconidae sp.						1													1								
Lophopanopeus bellus	1	1	2										16		7												
Mayerella banksia						2								5													
Megamoera subtener														1													
Mesocrangon munitella	3	1	1																								
Metaphoxus frequens		7		1		1			1	2							3	2	1		2			1	1		
Monocorophium acherusicum	2																										
Nebalia sp.																											
Neotrypaea gigas	4	3	3						1																		
Opisa tridentata																					1						
Orchomene decipiens			2											4	2												
Orchomene pacificus																					1						
Oregonia gracilis															1												
Pagurus sp.														2													
Pandalus danae	1														3												
Pandalus sp.													1														
Parametaphoxus quaylei	8		3			2							6		8												
Paraphoxus sp.																									1		
Photis brevipes														28	4												
Photis sp.													2	5	1												
Pinnixa schmitti	1	2	5	3	1	4									7												1
Pinnixa sp.		1								1		2			3												
Pleurogonium rubicundum																											
Pleusirus seccorus																											
Pleustidae sp.																											
Pleusymtes sp.													1	10													
Pontogeneia rostrata														2	2												
Prachynella lodo	1																										
Rutiderma lomae					1	7	1	1		11	1	3				3	2	1	5		2		5	6			
Scoloura phillipsi											1	1				1											
Stenothoidae sp.																											
Westwoodilla caecula	1			1	1	1				1					1							1					
Crustacea Biomass (grams)	**0.24**	**0.38**	**0.84**	**0.21**	**0.19**	**0.26**	**0.17**	**0.16**	**0.20**	**0.20**	**0.14**	**0.20**	**1.88**	**0.12**	**1.12**	**0.21**	**0.22**	**0.15**	**0.17**	**0.12**	**0.15**	**0.07**	**0.02**	**0.07**	**0.29**	**0.15**	**0.17**
MISCELLANEOUS TAXA																											
Alcyonaria sp. indet.	4	4	4			1	2																				
Amphiodia (Amphispina) urtica/periercta				2	7	4	1	1								5	3	2									
Amphiodia sp. indet.				4	1	1		6	2			1				9	4	4		1	2	1				1	
Amphipholis squamata	1	1		3	7	2	2		1	1		1	2			2	2	1			1				1		
Amphiporus spp. indet.				3	2				1				1	1		1						1		1			
Arhynchite pugettensis																1	1	1									
Ascidia sp. indet.																											
Asteroidea sp. indet.						1																					
Buskia nitens							P		P							P											
Carinoma mutabilis																		1									
Cerebratulus spp. indet.																					1					1	
Echinoidea sp. indet.																											
Edwardsia sipunculoides									1																		
Euphysa ruthae												1															
Golfingiidae sp. indet.										12	4	6															
Halcampa decemtentaculata																											

Table D-2. 2007 Benthic Taxonomy and Biomass Data: Post Operation, Year Two Sediment Monitoring

Sampling Location ID	DWMP-10			DWMP-11			DWMP-12			DWMP-13			DWMP-14			DWMP-15			DWMP-16			Total
Replicate Number	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**Organisms**
Leucon subnasica									1													**2**
Leuconidae sp.					1																	**3**
Lophopanopeus bellus										14	3	1					16					**61**
Mayerella banksia													1									**8**
Megamoera subtener																						**1**
Mesocrangon munitella										1		1										**7**
Metaphoxus frequens				2	2	2			1	1			1			1		1				**33**
Monocorophium acherusicum																						**2**
Nebalia sp.	1									1												**2**
Neotrypaea gigas													3									**14**
Opisa tridentata									1										1			**3**
Orchomene decipiens			1							2	4											**15**
Orchomene pacificus																						**1**
Oregonia gracilis																						**1**
Pagurus sp.	1	1	1							1	2	2										**10**
Pandalus danae	3	6										3										**16**
Pandalus sp.																	1					**2**
Parametaphoxus quaylei																						**27**
Paraphoxus sp.																						**1**
Photis brevipes	2	2	2							9	18	12										**77**
Photis sp.										2	9	10										**29**
Pinnixa schmitti											2		1	4	1					1		**33**
Pinnixa sp.	1										1											**9**
Pleurogonium rubicundum				1																		**1**
Pleusirus seccorus											2											**2**
Pleustidae sp.			2																			**2**
Pleusymtes sp.	2																					**13**
Pontogeneia rostrata		1									1											**6**
Prachynella lodo					1																	**2**
Rutiderma lomae				7	12	5										5			3	1		**82**
Scoloura phillipsi																	1	2			1	**7**
Stenothoidae sp.	1																					**1**
Westwoodilla caecula	1									1			1		1					1		**12**
Crustacea Biomass (grams)	**0.39**	**0.45**	**0.81**	**0.17**	**0.22**	**0.18**	**0.13**	**0.10**	**0.08**	**1.58**	**0.55**	**0.53**	**0.18**	**0.14**	**0.17**	**0.21**	**0.10**	**0.16**	**0.20**	**0.14**	**0.12**	
MISCELLANEOUS TAXA																						
Alcyonaria sp. indet.	1																					**16**
Amphiodia (Amphispina) urtica/periercta				1		1																**27**
Amphiodia sp. indet.					2	2											1	1		1		**44**
Amphipholis squamata	2		1		1									1								**33**
Amphiporus spp. indet.				2	1	3						3										**20**
Arhynchite pugettensis																						**3**
Ascidia sp. indet.																		1				**1**
Asteroidea sp. indet.																						**1**
Buskia nitens																						**present**
Carinoma mutabilis							1						1		1		1	1		1		**7**
Cerebratulus spp. indet.													1	1								**4**
Echinoidea sp. indet.										1												**1**
Edwardsia sipunculoides	2	1	3		1												1					**9**
Euphysa ruthae					1																	**2**
Golfingiidae sp. indet.																			1		1	**24**
Halcampa decemtentaculata		1																				**1**

Table D-2. 2007 Benthic Taxonomy and Biomass Data: Post Operation, Year Two Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-02			DWMP-03			DWMP-04			DWMP-05			DWMP-06			DWMP-07			DWMP-08			DWMP-09		
Replicate Number	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**
Halcampa duodecemtentaculata																											
Hoplonemertea spp. indet.															1		1		1		1						
invertebrate embryo																	1										
Laqueidae sp. indet.						1																					
Leptoplanidae spp. indet.										1			16	33	69	1	2										
Leptosynapta transgressor														1													
Lineidae spp. indet.			1	3	4	1	4	3	3		5	5		1		1	3	8			4	2	3	1	3		3
Molgula pacifica							1													1							
Molgula sp. indet.						1																					
Nematoda	4						1							1	2												
Nemertea spp. indet.										1									1								
Nynantheae spp. indet.																											
Ophiura luetkenii			1																								
Ophiurida spp. indet.	1		1	5		4	1	4	5	1	1		1			6	4	3			3		2			2	
Pachycerianthus sp. indet.																											
Paleonemertea spp. indet.						2								3		1											
Pentamera lissoplaca					3										1												
Pentamera populifera										1						1				2		1					
Pentamera sp. indet.			1		1																						
Phoronidae sp. indet.											1																
Piscicolidae sp. indet.												1															
Polycladida spp. indet.			1		1								1														
Priapulus caudatus	1																										
Spinulosida sp. indet.																											
Tetrastemma spp. indet.															1												
Thysanocardia nigra			1	1	6	3	2	1	3			2				3	1	4	1				1				
Tubulanus capistratus											1																
Tubulanus pellucidus/polymorphus			5		1	1		2	1			3				2	1	2		1		2		3			
Tubulanus spp. indet.	2	3	1	3	1	2	2	2	1	4	6	1				2	2	2		1	2	3	3	2	11	6	5
Zygonemertes virescens														1	2												
Miscellaneous Taxa Biomass (grams)	**<0.01**	**0.06**	**<0.01**	**0.49**	**1.86**	**0.34**	**0.68**	**0.19**	**0.10**	**<0.01**	**0.07**	**0.07**	**0.05**	**1.97**	**0.10**	**0.64**	**0.31**	**0.34**	**<0.01**	**0.08**	**2.79**	**0.06**	**0.31**	**0.15**	**0.43**	**2.20**	**0.10**

Notes:

Blank cells indicate none of that particular taxon was found in the replicate sample.

1 = At DWMP-05 for replicate 1, two male specimens key to D. rhabdoplastis.

P = Indicates a colony is present, included in biomass and richness measurements but not abundance.

Table D-2. 2007 Benthic Taxonomy and Biomass Data: Post Operation, Year Two Sediment Monitoring

Sampling Location ID	DWMP-10			DWMP-11			DWMP-12			DWMP-13			DWMP-14			DWMP-15			DWMP-16			Total
Replicate Number	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**Organisms**
Halcampa duodecemtentaculata					1																	**1**
Hoplonemertea spp. indet.					2	1		1														**8**
invertebrate embryo	1																					**2**
Laqueidae sp. indet.																		1				**2**
Leptoplanidae spp. indet.	3	3	7				1			7	62	21										**226**
Leptosynapta transgressor																						**1**
Lineidae spp. indet.	2			6	4	5	2		3				5		4	5	1	5	5	3	3	**111**
Molgula pacifica																						**2**
Molgula sp. indet.																						**1**
Nematoda	1	4	3								1	3			1							**21**
Nemertea spp. indet.					1																	**3**
Nynantheae spp. indet.																		1				**1**
Ophiura luetkenii				1																		**2**
Ophiurida spp. indet.		1		2	1	5							1	1	1	1	1	1	2		1	**62**
Pachycerianthus sp. indet.	1																					**1**
Paleonemertea spp. indet.								1	1						1			1				**10**
Pentamera lissoplaca			1																			**5**
Pentamera populifera																	1				1	**7**
Pentamera sp. indet.																						**2**
Phoronidae sp. indet.																						**1**
Piscicolidae sp. indet.																						**1**
Polycladida spp. indet.																						**3**
Priapulus caudatus																						**1**
Spinulosida sp. indet.	1																					**1**
Tetrastemma spp. indet.				1		1																**3**
Thysanocardia nigra					3		1						1		2		6	2	2			**46**
Tubulanus capistratus																						**1**
Tubulanus pellucidus/polymorphus						2							2	1								**29**
Tubulanus spp. indet.				5	5	3	5	5	6				8	2	1	9	1		10	6	6	**139**
Zygonemertes virescens		1									5	1										**10**
Miscellaneous Taxa Biomass (grams)	**0.03**	**0.05**	**0.40**	**0.35**	**0.24**	**0.39**	**0.12**	**0.09**	**0.04**	**<0.01**	**0.07**	**<0.01**	**3.61**	**2.05**	**0.78**	**0.05**	**0.67**	**0.13**	**0.12**	**0.10**	**0.54**	

Table D-3. 2008 Benthic Taxonomy and Biomass Data: Post Operation, Year Three Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-14			DWMP-15			Total Organisms
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
ANNELIDA																						
Ampharete acutifrons		2	1																			**3**
Ampharete sp			1																			**1**
Ampharetidae (unknown genus)							1															**1**
Anobothrus gracilis	4	1														1	1			1		**8**
Aphelochaeta glandaria (=Aphelochaeta sp N1)	275	32	59	2	3			6			1	1				5	2	4	5		3	**398**
Aphelochaeta monilaris	1			7	3	4				1	5	2			1	11	11	14	1			**61**
Aphelochaeta sp																3	2	2				**7**
Aphrodita negligens													1									**1**
Apistobranchus tullbergi (=Apistobranchus ornatus)				4	3											2	12	23				**44**
Aricidea lopezi				1	4	1				5	7		13	12	6	3	2	7	1	5	2	**69**
Aricidea ramosa						1				3		1	2	4	1			1				**13**
Armandia brevis		3	2				1	7														**13**
Artacama coniferi										1					1							**2**
Asabellides lineata	1	4	1	1																		**7**
Axiothella rubrocincta	1		1				1															**3**
Boccardiella hamata	4									9	4	2					4	4	1			**28**
Capitella capitata Complex		1					81	6	22	115	263	10	2	3	1	4	6	1				**515**
Cauleriella pacifica		6	1				12	16														**35**
Chaetozone acuta	3	1	2				39	4														**49**
Chaetozone nr setosa				1	1								1	1		1	1	1		1	1	**9**
Chaetozone sp	2			2	2	1		3								1	2					**13**
Chone magna							2															**2**
Cirratulus sp				4	1														1			**6**
Clymenura gracilis	4											1				1						**6**
Cossura bansei																4	2	3				**9**
Cossura pygodactylata	1		1	1	1	1																**5**
Demonax rugosus																				1		**1**
Diopatra ornata		2		1		2					1	3			1	4	14	18		2		**48**
Diopatra sp juv					1																	**1**
Dipolydora brachycephala (=Dipolydora caulleryi)	10	12	3								1		3	23		5	3					**60**
Dipolydora socialis	12	2	8		1					3	3	1										**30**
Dorvillea annulata							30	4														**34**
Ophryotrocha sp (undescribed species)										2												**2**
Drilonereis longa																1						**1**
Eteone pacifica	1	1																				**2**
Eteone sp	3	1														1	2	11				**18**
Eteone spilotus		1						1									1					**3**
Euchone sp juv				1												2						**3**
Euclymene cf zonalis		1																				**1**
Euclymeninae	1		1		1	1				1												**5**
Eulalia californiensis																		1	1	1		**3**
Eulalia sp N1														1								**1**
Eumida longicornuta			1					1			2											**4**
Eusyllis habei			1				6															**7**
Exogone lourei				4	4	3				12	6	4	6	11	4	5	2	6		6	5	**78**
Exogone molesta		1								2	6	1										**10**
Galathowenia oculata			2								1											**3**
Gattayana cirrosa	1	1															1					**3**
Glycera americana							6	4	2			2										**14**
Glycera nana	2	5	3	8	3	6	14	20	1	21	17	23	6	9	4	20	16	20	6	6	9	**219**

Table D-3. 2008 Benthic Taxonomy and Biomass Data: Post Operation, Year Three Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-14			DWMP-15			Total Organisms
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
Glycinde armigera	1	3	1	1		1		2		2	1	2			1	4	1	3	4			**27**
Glycinde picta (=Glycinde polygnatha)	1	2						3		1	1											**8**
Glycinde sp juv			1																			**1**
Goniada brunnea															1			1				**2**
Goniada maculata			1																			**1**
Harmothoe imbricata	1																					**1**
Heteromastus filobranchus	1		1																			**2**
Isocirrus longiceps	4		2																			**6**
Lanassa venusta																				1		**1**
Laonice cirrata		1									1			2	1	1	1			1		**8**
Laonice pugettensis	2	2	5					1														**10**
Leitoscoloplos pugettensis	6	10	5				1	12														**34**
Levinsenia gracilis		2	1	23	21	17		1		52	42	50	118	102	40	12	9	6	23	22	11	**552**
Lumbrineridae juvenile	2	6	4	1						4	1	4	1			8	5	12		2		**50**
Lumbrineris californiensis	30	45	28		1	3		5								9	7	17				**145**
Lumbrineris cruzensis										1	4	6	4	7	4							**26**
Lumbrineris latreilli			1																			**1**
Magelona longicornis	7				3	4						4				13	15	16	5	1	5	**73**
Magelona sp juvenile		2	2																			**4**
Malmgreniella macginitiei								1														**1**
Mediomastus californiensis	10	61	69	6	5	1	2	70	1	3	2	8	2	4	1	11	42	21	6	3		**328**
Mesochaetopterus taylori				1												1						**2**
Micropodarke dubia			2				51	7	1													**61**
Monticellina serratiseta				4	9							1	1	2	1		1		5	1	8	**33**
Monticellina sp N1					2	1						2	1	1		1	1	1	2	2	1	**15**
Myriochele olgae (=Myriochele heeri)												1	7	14	2				10	21	17	**72**
Neosabellaria cementarium																1						**1**
Nephtys caecoides								1														**1**
Nephtys cornuta	1	1		3						8	5	4	4		3	2		5	2	1		**39**
Nephtys ferruginea		10	6	2	1	1					2	4	1		1	2	3	2				**35**
Nephtys sp	3	4	8			1				2	1	5			1	9	10	26				**70**
Nereididae juvenile		3						2														**5**
Nereis procera	4		1				1	20				1	1	1	2				1		1	**33**
Nicomache lumbricalis																					1	**1**
Notocirrus californiensis												1										**1**
Notomastus hemipodus	8	5	7							7	5	3		4	2	15	18	17	2	6	7	**106**
Notomastus latericeus					2																	**2**
Notomastus sp			1	3	1					3	5	7	1	1		6		1				**29**
Oligochaeta	5	24	14				78	182	5		1	1				2	2	3				**317**
Onuphis iridescens				1	1														1			**3**
Ophelina acuminata			1																			**1**
Ophiodromus pugettensis (=Podarke pugettensis)					1		1										1					**3**
Owenia fusiformis		1					1	1														**3**
Paleanotus bellis							7															**7**
Paraprionospio pinnata	2	3	1	2	3	4				4	3	3	1		1	2	1	2	3	2		**37**
Pectinaria californiensis				1						1		1	3	2							2	**10**
Pectinaria granulata			1			1						1								1		**4**
Pherusa plumosa										1												**1**
Pholoe glabra				1			3	3														**7**
Pholoe sp	1																					**1**
Pholoe sp N1												1		3								**4**

Table D-3. 2008 Benthic Taxonomy and Biomass Data: Post Operation, Year Three Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-14			DWMP-15			Total Organisms
Replicate	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	
Pholoides asperus		3		6	3	3	1			2	1					3		1	15		2	**40**
Phyllodoce cuspidata			1	1								1				1						**4**
Phyllodoce groenlandica	1																2	1				**4**
Pilargis maculata			2	8	2	1				6	6	1	6	1					2	5		**40**
Pista elongata			1																			**1**
Pista estevanica (=Pista bansei)		1	1																			**2**
Pista sp																1						**1**
Platynereis bicanaliculata		1	1				4	3										1				**10**
Podarkeopsis glabrus	1	4	1								2	2	1					1	1			**13**
Polycirrus sp	3		2		1		1	3			1											**11**
Praxillella gracilis			1													1	1	2				**5**
Praxillella pacifica			1														1					**2**
Prionospio lighti			3										1	4								**8**
Prionospio multibranchiata	4	17	3				72	3	7		1					1		1				**109**
Prionospio steenstrupi	20	73	39	32	48	37	374	63	1	76	98	176	15	25	11	45	33	80	21	65	28	**1360**
Proclea graffi		1	2		1							1		2	1							**8**
Protodorvillea gracilis		1	1				11	50	2													**65**
Pseudopolydora paucibranchiata								1														**1**
Rhodine bitorquata																	1				1	**2**
Scoletoma luti	3	2	20	7	5	8				1	7	5		1		24	19	28	14	8	10	**162**
Scoloplos acmeceps							1	7												1		**9**
Sigambra nr bassi				4	1					5	3	1	9	4	5				1	1		**34**
Sphaerodoropsis sphaerulifer				1	1	1				4	1	1	1		1	5	4	3				**23**
Sphaerosyllis ranunculus								1									1					**2**
Spiochaetopterus pottsi (=Spiochaetopterus costarum)	14	9	30	1								1				1			2	1		**59**
Spionidae																		1				**1**
Spiophanes berkeleyorum	1	9	22					1					2	2	1	3		1		1		**43**
Spiophanes bombyx	2			1																		**3**
Sternaspis nr fossor (=Sternaspis scutata)													2							1		**3**
Terebellides californica			1										1	1	1							**4**
Terebellides sp														2				1				**3**
Trochochaeta multisetosa	5	2	5	1	2						2	1		1			3	1	1	3	1	**28**
Typosyllis caeca (=Typosyllis hyperioni)	1		2					1		1								3				**8**
Typosyllis cornuta (=Typosyllis harti)										1								3				**4**
Typosyllis heterochaeta										1	1	2						1			1	**6**
Annelida Biomass (grams)	**5.14**	**3.49**	**6.57**	**0.78**	**0.76**	**0.85**	**6.89**	**1.89**	**0.23**	**1.65**	**2.16**	**6.89**	**2.39**	**2.68**	**0.94**	**2.76**	**6.72**	**11.47**	**1.31**	**2.25**	**0.99**	
MOLLUSCA																						
Acila castrensis	1					1					2	1		2								**7**
Adontorhina cyclia				1															1			**2**
Aeolidiacea sp.			1	1							1											**3**
Alvania compacta	54	19	46		7		1	5			4	3		2		4	24	12	1	4		**186**
Alvania rosana				1	12					1		1	6	3	2		1	1	4	5	1	**38**
Armina californica				1																		**1**
Astyris gausapata				1	4					10	7	14		15	6	2	1	4	36	29	9	**138**
Axinopsida serricata	22	17	17	198	166	91				46	18	84	173	329	235	46	63	49	148	110	224	**2036**
Cryptonatica affinis																					1	**1**
Cardiomya pectinata				1		1								1	2					2	2	**9**
Chlamys hastata							1															**1**
Chaetoderma sp.				3	2	2						3	3	4			1		4	1		**23**

Table D-3. 2008 Benthic Taxonomy and Biomass Data: Post Operation, Year Three Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-14			DWMP-15			Total Organisms
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
Cephalispidea sp.										8	25	7										**40**
Compsomyax subdiaphana				1	2	1						1	1	11	1				1	1	4	**24**
Crepipatella dorsata		1																				**1**
Cyclostromella concordia																	1					**1**
Cylichna attonsa					3			1												3	2	**9**
Ennucula tenuis		1	3	8	8	7				1	1	1	2	2		1	1		7	4	6	**53**
Crepipatella sp. juv.																	2					**2**
Fartulum occidentale							7	1														**8**
Hiatella arctica																			1	2		**3**
Lasaea adansoni							2															**2**
Lirobittium eschrichtii				22	13	11				23	18	14	10	15	15				20	24	9	**194**
Lirularia lirulata								1														**1**
Lucinoma annulatum				19	4	2				27	13	17	5	3	10		1	1	4	2	13	**121**
Lyonsia californica												1		1	1				6		1	**10**
Macoma carlottensis	1	14	12	32	21	12				105	68	44	12	31	22	14	16	8	28	52	20	**512**
Macoma golikovi							1															**1**
Macoma elimata			1	6	2	1											1	1			2	**14**
Macoma inquinata								101														**101**
Macoma nasuta	2				2														1			**5**
Macoma sp. juv.	2	4	7		2		17			58	52	1				5	8	12				**168**
Modiolus sp. juv.					1	1																**2**
Neaeromya compressa								1														**1**
Nemocardium centifilosum					3	2				2			4					1	2		4	**18**
Nudibranchia spp. Indet.							5															**5**
Nutricola lordi						1	7	27												1		**36**
Nuculana minuta																				1		**1**
Odostomia sp.				3			1			1				2	1	2			1	2	1	**14**
Pandora filosa				1	1	3				1		1		1		1				2	2	**13**
Parvilucina tenuisculpta	44	155	166	733	431	249	4	77		732	232	516	368	395	391	93	118	133	156	106	293	**5392**
Leukoma staminea[1]							1															**1**
Rochefortia sp. 1	1																	1				**2**
Rochefortia tumida	2	1	5	4		1	64	100		4	13	10	2	3	7				5	3	1	**225**
Solamen columbianum				12	6	5				8	2	4	4	4	3	1		2	7	7	11	**76**
Tellina modesta								16														**16**
Thracia trapezoides				1																		**1**
Thyasira flexuosa	2			1	4							1	2			1	3	2	4		5	**25**
Turbonilla sp. 1	7			1				11								1		1	1		1	**23**
Yoldia seminuda						1																**1**
Mollusca Biomass (grams)	**1.51**	**6.22**	**6.53**	**18.75**	**9.01**	**10.94**	**1.35**	**5.75**	**0.00**	**53.26**	**21.60**	**27.57**	**10.79**	**10.86**	**18.58**	**2.14**	**4.61**	**3.34**	**3.83**	**4.06**	**5.78**	
CRUSTACEA																						
Cyclopoida sp.			1																			**1**
Cylindroleberididae sp.											2		2	1							2	**7**
Euphilomedes carcharodonta					107	88	78		10		53	29	32	45	92	30	43	37	58	107	80	**889**
Euphilomedes producta					53	27	28				30	19	14	32	37	16	5	3	10	21	37	**332**
Rutiderma lomae					3	1					1		3							4	2	**14**
Scoloura phillipsi																					1	**1**
Leptochelia savignyi (=L. dubia)				1	2			4	1							1				1		**10**
Diastylis sp.																			1			**1**
Diastylis santamariensis		1							1									1			1	**4**

Table D-3. 2008 Benthic Taxonomy and Biomass Data: Post Operation, Year Three Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-14			DWMP-15			Total Organisms
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
Eudorella pacifica			2	4	7	4	2				5			3		1	29	14	58	1	1	**131**
Campylaspis rufa												1	2									**3**
Cumella vulgaris								1														**1**
Cumella sp.									1													**1**
Haliophasma geminatum							2										1		1		1	**5**
Pleurogonium rubicundum																			1			**1**
Munna sp.			1																			**1**
Ampelisca hancocki																					1	**1**
Ampelisca lobata														1	1							**2**
Ampelisca unsocalae													1									**1**
Byblis millsi			1		2	1	1														3	**8**
Ampithoe lacertosa				1																		**1**
Ampithoe sp.		1	1	1															3			**6**
Aoroides sp.														1					1			**2**
Aoroides inermis		3		2				1	1				3				1	1				**12**
Eusirus columbianus																		1				**1**
Hippomedon sp.																1						**1**
Hippomedon coecus					3		1															**4**
Orchomene decipiens			1	1																		**2**
Prachynella lodo			1																			**1**
Desdimelita californica		1						18	12													**31**
Desdimelita desdichada		1	3																			**4**
Megamoera subtener								7	2	1												**10**
Americhelidium sp.																	1					**1**
Americhelidium shoemakeri									3				1						1			**5**
Americhelidium variabilum											1											**1**
Deflexilodes similis												1	1		1	1			1		1	**6**
Eochelidium sp.			1						1													**2**
Westwoodilla tone[2]			1	2							2	1		1			3		2	1	1	**14**
Photis brevipes									14													**14**
Foxiphalus similis		8	4	11					3													**26**
Foxiphalus sp.									2													**2**
Heterophoxus sp.		4	5	4	1		2					3	1			1				1		**22**
Heterophoxus affinis											3			2		1						**6**
Heterophoxus conlanae		14	12	22	4	6					1		3				2	3	2	1	1	**71**
Metaphoxus frequens					2						1				1			1		1		**6**
Parametaphoxus quaylei			5	6														1				**12**
Paraphoxus sp.											1											**1**
Pleusymtes sp.									7													**7**
Pleusirus seccorus								4														**4**
Mesocrangon munitella		2	1																1			**4**
Crangon alaskensis																		1				**1**
Eualus sp.		10							1									3	1			**15**
Eualus subtilis		7	6	3														6				**22**
Heptacarpus stimpsoni																		1				**1**
Heptacarpus pugettensis								1														**1**
Pandalus danae																		1				**1**
Cancer oregonensis		1	2	1																		**4**
Cancer gracilis						1												1				**2**
Pinnixa occidentalis species complex[3]															4							**4**
Pinnixa schmitti			1	1		1	1												1		1	**6**

Table D-3. 2008 Benthic Taxonomy and Biomass Data: Post Operation, Year Three Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-14			DWMP-15			Total Organisms
Replicate	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	
Pinnixa sp.		1									1	1			2							**5**
Lophopanopeus bellus			1																			**1**
Neotrypaea gigas			2	1																		**3**
Acanthaxius spinulicauda															1							**1**
Crustacea Biomass (grams)	**0.45**	**1.27**	**0.22**	**0.34**	**0.32**	**0.23**	**0.10**	**0.08**	**<0.01**	**0.13**	**0.07**	**0.09**	**0.14**	**0.59**	**0.08**	**0.11**	**6.15**	**0.16**	**0.27**	**0.24**	**0.25**	
MISCELLANEOUS																						
Euphysa ruthae															1							**1**
Edwardsia sipunculoides								2								3	3	4				**12**
Polycladida spp. indet.							7															**7**
Nemertea sp. indet.					1																	**1**
Paleonemertea spp. indet.				1			95		2													**98**
Carinoma mutabilis	1																					**1**
Tubulanus spp. indet.					1																	**1**
Tubulanus pellucidus/polymorphus	3	5	4	5	3	3	1				2	1	4	2	4	1	3	1	1	4	2	**49**
Lineidae spp. indet.	1		1		1	2				2	5	2	2	5		3	6		5	1	3	**39**
Cerebratulus spp. indet.			2			1														1		**4**
Amphiporus spp. indet.					1					2									1	1		**5**
Zygonemertes virescens							2															**2**
Priapulus caudatus	2	1															1					**4**
Thysanocardia nigra		1	1	5	1														1	1	1	**11**
Anoplodactylus viridintestinalis								1														**1**
Ophiurida spp. indet.			1	6	4	2				2		1		7		1		1	8			**33**
Amphiodia sp. indet.				5	5	1													1		1	**13**
Amphiodia (Amphispina) urtica/periercta				2		2								1							1	**6**
Ophiura luetkenii											3											**3**
Ophiura sp. indet.																				1	1	**2**
Pentamera sp. indet.																			1			**1**
Miscellaneous Biomass (grams)	**0.25**	**0.09**	**0.37**	**0.36**	**0.31**	**9.18**	**0.07**	**<0.01**	**<0.01**	**0.16**	**0.15**	**0.03**	**0.11**	**0.25**	**0.11**	**0.21**	**0.28**	**<0.01**	**0.45**	**0.40**	**0.59**	

Notes:

Blank cells indicate none of that particular taxon was found in the replicate sample.

1 = formerly Protothaca staminea

2 = Replaces W. caecula in all previous data.

3 = Note change from previous data: there are now several undefined spp. under "occidentalis"

4 = No data for Station DWMP-10 due to inability to collect sample following sediment remediation in this area

Table D-4. 2009 Benthic Taxonomy and Biomass Data: Post Operation, Year Four Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	Organisms
ANNELIDA																									
Amage anops						2				1		3	1	2					1			2		3	**15**
Ampharete cf crassiseta	2	2	4																						**8**
Ampharete acutifrons																			1						**1**
Ampharete labrops		2																							**2**
Ampharete sp			1		1										1	1		1						1	**6**
Ampharetidae										1					1	1									**3**
Anobothrus gracilis	1		2									1	2												**6**
Aphelochaeta glandaria Cmplx (=Aphelochaeta sp N1)	59	75	38	8	4	1	1			3	1	1	2	2	2				28	14	11	2	3	5	**260**
Aphelochaeta monilaris					1							1													**2**
Aphelochaeta sp N5		1		9	11	5				1		3	3	2	1				15	26	11	10	6	1	**105**
Aphelochaeta sp	1			1	2																		1	2	**7**
Apistobranchus tullbergi (=Apistobranchus ornatus)				8	7	6						1							18	14	18	2		1	**75**
Aricidea lopezi				8	7	4				6		11	5	7	4				3	2	5	6	3		**71**
Aricidea ramosa				4									2		1										**7**
Armandia brevis	2	2	6				39	53	48							1	2								**153**
Asabellides lineata	2	2	1																						**5**
Axiothella rubrocincta																88	36	85							**209**
Boccardia pugettensis				6	6	17	1									33	37	12	10	10	12	6			**150**
Boccardiella hamata	5	2	2							1		8			1				6	16	15	21	10		**87**
Capitella capitata Complex					1				1	14	57	11		1					3	3					**91**
Cauleriella pacifica			3				10	19	28							6	3	1		1					**71**
Chaetozone acuta			5				10	18	4							9	14	8							**68**
Chaetozone nr setosa		3		10	5	8	2	1		7	1	5	2	5	3				4	11	11	24	4	5	**111**
Chirimia biceps																							1		**1**
Chone magna																2									**2**
Cirratulidae										2															**2**
Clymenura gracilis		1																	1						**2**
Cossura pygodactylata													1	2					9	3	1				**16**
Diopatra ornata	3		2			1							1			2			3	1	1				**14**
Diopatra sp juv																					1	1	1		**3**
Dipolydora brachycephala (=Dipolydora caulleryi)	8	10	8					2		8				6					3	3					**48**
Dipolydora quadrilobata					2																				**2**
Dipolydora socialis	1		2	8	3	7	9	11	8	1	1	4	2	1		6	3		31	12	14	3	4	1	**132**
Dorvillea annulata							45	178	146																**369**
Dorvillea longicornis							1																		**1**
Dorvillea sp								1																	**1**
Drilonereis longa			1										1												**2**
Eranno bicirrata										1															**1**
Eteone pacifica								1																	**1**
Eteone sp		1	1		1		2	1		2		1	2						4	7	1	1		1	**25**
Eteone spilotus			2				1	2																	**5**
Euchone incolor																					3				**3**
Euclymene cf zonalis	1																								**1**
Euclymeninae		1	2			1	1	3	2	2	1	1	1	1			2					2	1		**21**
Eulalia californiensis																							1	1	**2**
Eulalia sp N1				1																					**1**
Eumida longicornuta		1	2				2	3	5							2	1	2							**18**
Exogone lourei				12	15	16				14	17	11	15	22	7				1	1	6	23	5	4	**169**
Galathowenia oculata	1																								**1**
Glycera americana			1									1				1					1		1		**5**
Glycera nana	4	5	5	1	2	4	13	24	23	6	3	7	6	5	5	17	15	9	4	4	6	3	3	3	**177**
Glycinde armigera		1			2	1			1	1	3	3	3	4	1	1	5	4	2	6	3	2		1	**44**

Table D-4. 2009 Benthic Taxonomy and Biomass Data: Post Operation, Year Four Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total
Replicate	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**Organisms**
Glycinde picta (=Glycinde polygnatha)	1	3	3				3	3	2							2	1		1		1		1		**21**
Glycinde sp juv						3																	1		**4**
Goniada brunnea													1												**1**
Goniada maculata				1												2					1				**4**
Harmothoe imbricata	7	3	13				2	7	21							14	4	9							**80**
Harmothoe sp	7	5	2				6	6																	**26**
Harmothoinae							5	4	5	1				1	1	4	5	3		2		1	1		**33**
Hesperonoe complanata													1												**1**
Heteromastus filobranchus		1		9		13				4	1	4			4				4	6	3				**49**
Isocirrus longiceps																							1		**1**
Lanassa venusta																							7	3	**10**
Lanassa nordenskioeldi		1	1		3					1				6	4						1				**17**
Lanassa sp					3																				**3**
Laonice cirrata				1		1						2			1							1	1		**7**
Laonice pugettensis		1	14						1																**16**
Leitoscoloplos pugettensis	1	3	9				5	4								35	32	22							**111**
Lepidasthenia berkeleyae	2																								**2**
Levinsenia gracilis	1		1	50	49	31				99	6	52	115	82	51				10	11	12	23	7	12	**612**
Lumbrineridae juvenile		2		1								2				7	15	3	7						**37**
Lumbrineris californiensis	252	36	51				6	2	5		2	3				3	3	1	8	6	3		7		**388**
Lumbrineris cruzensis					2					6					1										**9**
Magelona longicornis	1	6		2	1	1													11	20	12		17	2	**73**
Malmgreniella liei							1	1																	**2**
Malmgreniella macginitiei									1							22	27	19							**69**
Malmgreniella nigralba																1									**1**
Mediomastus californiensis	27	14	40		20		103	160	189	25	4	10	1	5	2				11	23	14	1	5	3	**657**
Megalomma splendida																			1	1	1				**3**
Microclymene caudata	2	3													1				1		1	1			**9**
Micropodarke dubia	1	1	6				105	134	262		1					70	21	29							**630**
Monticellina serratiseta				2	2			1	1	1	1		5	1	2			1		1	1	4	17	7	**47**
Monticellina sp N1		1	1	7	2	2						1		2					2	5	8	4	2	1	**38**
Monticellina sp	1																							1	**2**
Myriochele olgae (=Myriochele heeri)						3							21	1	11							10		8	**54**
Myzostomum sp	1																								**1**
Neosabellaria cementarium										1															**1**
Nephtys caecoides																4	5	5							**14**
Nephtys cornuta	3	5	3		2	2				8	7	13	1	2					32	11	13	2	1		**105**
Nephtys ferruginea	6	10	2	4	4	5		1		10	1	4		7	4				9	22	19	4	2	2	**116**
Nephtys sp				2		2										7	2	2	5						**20**
Nereididae juvenile																							1		**1**
Nereis procera	3	2	2			1	12	16	10	1	1			1	1	13	13	4	1						**81**
Nicomache lumbricalis																						1			**1**
Notocirrus californiensis															1										**1**
Notomastus hemipodus	4	4	12	4	1	5				3		3	5	2	2				10	6	12	3	6	2	**84**
Notomastus latericeus																12	9	6							**27**
Oligochaeta	1	3	17				111	188	169							1	1		6	2	1				**500**
Onuphidae juv				1										1				1							**3**
Onuphis elegans																4	8	2							**14**
Onuphis iridescens		1			1								1		3										**6**
Ophiodromus pugettensis (=Podarke pugettensis)	2	1	2				22	8	7		2					1	1			1	1				**48**
Orbiniidae																2									**2**
Paleanotus bellis							1	1	1																**3**
Parandalia fauveli				2																3	1				**6**

Table D-4. 2009 Benthic Taxonomy and Biomass Data: Post Operation, Year Four Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total
Replicate	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**Organisms**
Paraprionospio alata (=Paraprionospio pinnata)		2		2	5	1				2	1	13	4	5	4				3	5	2	6	17	7	**79**
Pectinaria californiensis				1						3	1	3	2	1								1	1	2	**15**
Pectinaria granulata	1	1	2	1				1	4			2				1	2	2							**17**
Pherusa plumosa		1	6				5	2	2							4	1	1							**22**
Pholoe glabra						1	17	18	18	5												1			**60**
Pholoides asperus	1		2	3		1					1		1		1					1	2	3	30	2	**48**
Phyllodoce cuspidata		1																	1	1	1				**4**
Phyllodoce groenlandica										2														1	**3**
Phyllodoce hartmanae						1		1				1		2		3	1		3	6	5		1		**24**
Phyllodoce longipes									1									1							**2**
Phyllodoce sp	1		1	1		4									1	3	1	1	3	3	3	1	1	1	**25**
Pilargis maculata				4	1	2				12	2	12	1	4	2				4	1	4	1	1	1	**52**
Pista percyi	1		4		1							1				14	4	3							**28**
Pista estevanica (=Pista bansei)						2							1							2					**5**
Pista sp										2						2	3	1				3			**11**
Pista wui	18	24	8													2	2								**54**
Platynereis bicanaliculata	5	3	6				20	27	16							133	64	57		1	1				**333**
Podarkeopsis glabrus			2										1	1						1	2			1	**8**
Polycirrus sp	1		1		1	1	1									5									**10**
Praxillella gracilis																				1					**1**
Praxillella pacifica	1	1																							**2**
Prionospio lighti	3		1				3	1																	**8**
Prionospio multibranchiata	8	10	18				158	99	111				2			5	3	3	1						**418**
Prionospio steenstrupi	55	47	69	32	35	21	260	167	222	106	33	119	48	33	12	13	21	12	75	79	61	48	35	23	**1626**
Proceraea cornuta						2																			**2**
Proclea graffi						4																			**4**
Protodorvillea gracilis	3						1	16	27								1	1							**49**
Rhodine bitorquata				3	4	4						1		1											**13**
Sabellidae																1	1								**2**
Scalibregma californicum		1											1												**2**
Scoletoma luti	3	4	3	7	6	6				4		15	6	4	7				28	28	36	11	5	11	**184**
Scoloplos acmeceps				1			10	13	15										1					1	**41**
Scoloplos sp		1													1										**2**
Sigambra bassi				2	2					3	2	10	2	3	3							1			**28**
Sige montereyensis (=Pterocirrus montereyensis)							2																		**2**
Sphaerodoropsis sphaerulifer				2	2	1				2		2	3	3					3		2	1	1		**22**
Spio filicornis								1																	**1**
Spiochaetopterus pottsi (=Spiochaetopterus costarum)	12	3	3	1												1	2		1	2	1	1			**27**
Spionidae																							1		**1**
Spiophanes berkeleyorum	24	7	20		2	1	5		1					4	1				18	5	9		2		**99**
Sthenelais berkeleyi				1		1							1												**3**
Terebellidae	1									1				10		1						1			**14**
Terebellides californica														1	1						1				**3**
Terebellides reishi		1																							**1**
Terebellides sp					1	1						1	1		1										**5**
Trichobranchus hancockus (= Artacamella hancocki)						1													1				1		**3**
Trochochaeta multisetosa										1	1	1										1	6	1	**11**
Typosyllis caeca (=Typosyllis hyperioni)		2	1			1		1	1													3	1		**10**
Typosyllis cornuta (=Typosyllis harti)					1					4	3	3	1			28	12	10		2	2	1			**67**
Typosyllis heterochaeta													1							1					**2**
Annelida Biomass (grams)	**6.68**	**7.58**	**7.48**	**0.93**	**1.08**	**0.74**	**5.76**	**7.85**	**7.73**	**2.81**	**0.17**	**2.90**	**1.25**	**0.43**	**0.99**	**8.35**	**5.02**	**3.72**	**2.94**	**2.17**	**3.83**	**0.99**	**2.72**	**0.80**	

Table D-4. 2009 Benthic Taxonomy and Biomass Data: Post Operation, Year Four Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	Organisms
CRUSTACEA																									
Cylindroleberididae sp.			1	1									1	1						3				1	**8**
Euphilomedes carcharodonta			1	102	131	74			2	37	2	8	21	21	18	2	2	3	93	121	123	102	79	48	**990**
Euphilomedes producta				47	55	27				17	3	12	27	23	17				5	10	13	34	17	10	**317**
Rutiderma lomae		1		4	10	1				4	1	2	2						1		4	5	2	1	**38**
Nebalia sp.			2				2	1	1																**6**
Scoloura phillipsi				1																					**1**
Leptochelia savignyi (=L. dubia)	2	1		1	6	1	1	13	3	1	1		1	1		2	3	1			20				**58**
Diastylis santamariensis	1		2		1											1		1	2	3					**11**
Eudorella pacifica	9	9	7	5	5	2				7	2	3	3	7	2	1			27	49	37	11	2	1	**189**
Eudorellopsis integra					1																				**1**
Eudorellopsis longirostris												1	2												**3**
Leucon subnasica																						1			**1**
Campylaspis hartae																1									**1**
Campylaspis rufa					1					1															**2**
Cumella sp.							2	2																	**4**
Haliophasma geminatum						1													1	2		1			**5**
Pleurogonium rubicundum												1													**1**
Munna ubiquita									2																**2**
Munnogonium tillerae										1															**1**
Ampelisca sp.																							1		**1**
Ampelisca careyi																			2						**2**
Ampelisca hancocki															1										**1**
Byblis millsi												1							6		4				**11**
Byblis sp.	4																			1			4		**9**
Ampithoe lacertosa	1		2				5		1																**9**
Ampithoe sp.		1	1					2	2																**6**
Aoroides sp.			1				3	5	3							4		2						1	**19**
Aoroides excilis	7	1					75	94	61							2	1								**241**
Aoroides inermis	2	3	6				32	8	11																**62**
Protomedeia prudens																	2								**2**
Ischyrocerus sp.							3	2	4																**9**
Lepidepecreum garthi															1										**1**
Opisa tridentata																						1		2	**3**
Orchomene decipiens	2						2		1																**5**
Pachynus barnardi			1																						**1**
Desdimelita californica									1																**1**
Desdimelita desdichada	2		2				25		6																**35**
Megamoera subtener							7		3																**10**
Americhelidium sp.									2																**2**
Americhelidium rectipalmum								1	1							1									**3**
Americhelidium shoemakeri																			2						**2**
Deflexilodes similis	2		1																				1	1	**5**
Westwoodilla tone					1														2				1	1	**5**
Photis sp.							1	3																	**4**
Photis brevipes								10	1							3	2	1							**17**
Foxiphalus similis	25	12	49				76	46	50								1								**259**
Heterophoxus sp.		2	3		2		1			2			2							1					**13**
Heterophoxus affinis													1	2	1										**4**
Heterophoxus conlanae	30	32	24	10	3	5				5	3	1		1					2		1		3		**120**
Heterophoxus ellisi										1		6			3									2	**12**
Metaphoxus frequens					1					1	1	2	2						2			5			**14**
Parametaphoxus quaylei	2	2	17				10	1																	**32**

Table D-4. 2009 Benthic Taxonomy and Biomass Data: Post Operation, Year Four Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total
Replicate	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**Organisms**
Pleustidae sp.								3									1								**4**
Pleusymtes sp.									1							4									**5**
Dulichia sp.																			1						**1**
Pontogeneia rostrata							5	2	11																**18**
Caprella spp.							1																		**1**
Mayerella banksia																3		2	4	1		1			**11**
Mesocrangon munitella	3	1	2					1	3																**10**
Eualus subtilis	4	9	24				27	3	8						1										**76**
Cancer gracilis		1																							**1**
Cancer oregonensis	1																								**1**
Cancer productus								3	3																**6**
Oregonia gracilis		1					1	1																	**3**
Fabia subquadrata	1							1																	**2**
Pinnixa occidentalis species complex										1															**1**
Pinnixa schmitti	4		3			4	10	7	17										2						**47**
Pinnixa sp.																				1					**1**
Pagurus sp.									1																**1**
Lophopanopeus bellus	2		3				4		2																**11**
Collembola sp.																			1						**1**
Crustacea Biomass (grams)	**1.48**	**3.17**	**4.57**	**0.25**	**0.40**	**0.18**	**2.97**	**1.81**	**1.62**	**0.11**	**<0.01**	**0.10**	**0.09**	**0.06**	**0.13**	**0.01**	**0.05**	**0.03**	**0.33**	**0.28**	**0.26**	**0.24**	**0.21**	**0.13**	
MOLLUSCA																									
Acila castrensis		1		2	1	1							2										1		**8**
Acteocina sp.									1																**1**
Alvania compacta	43	15	32			3	10	6	8	1						90	38	20	7	10	2	2	5	2	**294**
Alvania rosana				1	1	4				1			4	5	5							5	10	2	**38**
Astyris gausapata				2	1	5				8	4	2	4	7	5		1		4		6	11	7	4	**71**
Axinopsida serricata	14	23	9	162	147	134				40	45	9	200	217	183				49	82	164	251	86	177	**1992**
Cardiomya pectinata				1	1																		**2**		**4**
Cephalispidea sp.										2															**2**
Chaetoderma sp.				4	1	2					1		1									2			**11**
Chlamys hastata																							1		**1**
Clinocardium blandum							1																		**1**
Clinocardium nuttallii																1	1	1							**3**
Compsomyax subdiaphana				3		1				1	2		7	1	2							2	2		**21**
Crepipatella dorsata	5	1	3													3			1						**13**
Cryptonatica affinis								1																	**1**
Cylichna attonsa																								2	**2**
Ennucula tenuis				20	16	20				1	2		1	5	3				1		6	20	13	9	**117**
Euspira lewisii																		1							**1**
Gastropteron pacificum																		1							**1**
Haminoea vesicula						1		1						1		1	1	3	1						**9**
Hiatella arctica									1							3		1					1		**6**
Humilaria kennerleyi							1	1																	**2**
Ischnochitonidae sp. indet.							2									1									**3**
Kurtzia arteaga																	1								**1**
Lasaea adansoni	2															11	25	4							**42**
Lirobittium eschrichtii				9	13	8				3	9	2	15	16	10		1					17	2	9	**114**
Lirularia lirulata							2																		**2**
Lucinoma annulatum				12	14	10		1		22	10	13	6	17	5				2	1	8	4		5	**130**
Lyonsia californica	1			7	6	6				1	1		1	6	2	94	103	54	1	2		1	2	1	**289**
Macoma carlottensis	9	4	7	17	10	7				40	47	28	22	29	28			1	8	7	10	24	38	15	**351**

Table D-4. 2009 Benthic Taxonomy and Biomass Data: Post Operation, Year Four Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total
Replicate	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**Organisms**
Macoma elimata		5		13	5	6													3		6	1	2	1	**42**
Macoma golikovi	1	3	2				4	7	14	1						15	11	3							**61**
Macoma sp. juv.							8	11	9	6		6				20	17	6			3	1	1		**88**
Macoma yoldiformis	1	2	2	3	1	1						1				9	16	7	3	1	1				**48**
Mactridae sp. juv.																1									**1**
Margarites pupillus	1		1							1						7	2	5							**17**
Modiolus modiolus			1				1		4							1		1							**8**
Mytilus sp. juv.									1							7	4	1							**13**
Neaeromya sp. juv.																	5	2							**7**
Nemocardium centifilosum				3	4	3					1		4	1	2				2	1		9	2	3	**35**
Nuculana minuta																							1		**1**
Nudibranchia spp. Indet.							1	1							1										**3**
Nutricola lordi				1		1		2								1	1								**6**
Octopus cf. rubescens									1																**1**
Odostomia sp.				1		1			1						1					1		1	4	1	**11**
Olivella baetica																1									**1**
Ophiodermella sp.																							1		**1**
Pandora filosa				1	2	1							3		1					2		1		1	**12**
Parvilucina tenuisculpta	93	86	78	687	559	546	97	320	261	761	486	308	363	626	493	5	2	1	145	202	437	300	66	240	**7162**
Polyplacophora sp. juv.																	1								**1**
Retusa sp.																	2	3							**5**
Rictaxis punctocaelatus																								1	**1**
Rochefortia tumida	3	2	1		2	3	146	356	248	1			1	2	1	20	21	12		3	10	1	1		**834**
Saxidomus gigantea								2	4							1	2	2							**11**
Simomactra falcata								2	4								1								**7**
Solamen columbianum				8	6	3				1	1			4	2					1	2	1	1	4	**34**
Solen sicarius																	2	2							**4**
Tellina modesta																17	14	7							**38**
Thyasira flexuosa	1	1		6	2	5							6		2				3			2	1		**29**
Turbonilla sp.		1	1					1																	**3**
Mollusca Biomass (grams)	**4.29**	**3.41**	**5.22**	**13.35**	**6.36**	**10.14**	**5.23**	**14.18**	**15.32**	**41.73**	**29.01**	**28.11**	**16.33**	**9.03**	**10.85**	**1.58**	**1.50**	**2.40**	**2.91**	**3.89**	**7.71**	**7.02**	**3.24**	**3.74**	
MISCELLANEOUS																									
Nematoda							4	5	11		1		1			2									**24**
Euphysa ruthae										1															**1**
Edwardsia sipunculoides					1														1						**2**
Polycladida spp. indet.					1		3	4	7			1					1	1							**18**
Kaburakia excelsa											1														**1**
Nemertea spp. indet.													1												**1**
Carinoma mutabilis							1																		**1**
Tubulanus spp. indet.					3					1	1		2	2			1		3	1		1	2	1	**18**
Tubulanus cingulatus					1	1																			**2**
Tubulanus pellucidus/polymorphus		1	4	3	1	1				3	2	2	1	2	1				1	1	1		2		**26**
Lineidae spp. indet.	1		1	1	2	1				2	1	1		2	3	12	2	5		3	1		2	2	**42**
Cerebratulus spp. indet.	3	3	1		1		1			1	1									1				1	**13**
Cerebratulus montgomeryi								1																	**1**
Amphiporus spp. indet.			1																						**1**
Zygonemertes virescens							4	1	3																**8**
Enopla sp. indet.																2									**2**
Priapulus caudatus				1																					**1**
Thysanocardia nigra				1	1	1				1				1							1		1	2	**9**
Anoplodactylus sp. indet.							1																		**1**

Table D-4. 2009 Benthic Taxonomy and Biomass Data: Post Operation, Year Four Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total
Replicate	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**Organisms**
Solasteridae sp. indet.			1														1								**2**
Crossaster papposus							1									2									**3**
Echinoidea sp. indet.																		1							**1**
Ophiurida spp. indet.				2	4	2								1								2	4		**15**
Amphiodia sp. indet.				10	10	15				2		1		4	1							1	6		**50**
Amphiodia (Amphispina) urtica/periercta				1																	1				**2**
Amphipholis sp. indet.		1																							**1**
Amphipholis squamata										1															**1**
Ophiura luetkenii										1															**1**
Dendrochirotida sp. indet.		1	1																						**2**
Pentamera sp. indet.																		1							**1**
Pentamera sp. A															1										**1**
Pentamera sp. B																1	1	2							**4**
Pentamera lissoplaca																3		4							**7**
Leptosynapta transgressor																92	44	49							**185**
Molgula pugetiensis					1																				**1**
Molgula sp. indet.				1																					**1**
invertebrate embryo capsule									1																**1**
Miscellaneous Biomass (grams)	**2.67**	**3.81**	**0.90**	**0.09**	**0.18**	**0.15**	**1.39**	**0.05**	**<0.01**	**1.76**	**1.40**	**<0.01**	**<0.01**	**0.05**	**0.18**	**0.87**	**0.43**	**0.36**	**<0.01**	**4.72**	**0.05**	**<0.01**	**<0.01**	**4.60**	

Notes:
Blank cells indicate none of that particular taxon was found in the replicate sample.

Table D-5. 2010 Benthic Taxonomy and Biomass Data: Post Operation, Year Five Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total Organisms
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
ANNELIDA																									
Amage anops					1									1	1				1			1			**5**
Ampharete cf crassiseta	1	1		2																					**4**
Ampharete finmarchica								1																	**1**
Ampharetidae juvenile							1																		**1**
Amphitrite sp					1																				**1**
Anobothrus gracilis						1				6	1			1					3	2	1			1	**16**
Aphelochaeta glandaria Cmplx (=Aphelochaeta sp N1)	3	7	6	2	2	1	6	6	2	1			1						3	2	2	3			**47**
Aphelochaeta monilaris					6	3				1	1			2	1										**14**
Aphelochaeta sp				1	2					7		5											1		**16**
Aphelochaeta sp N5																			15	20	16	1	14	7	**73**
Apistobranchus tullbergi (=Apistobranchus ornatus)				1	1					1						1			21	50	7				**82**
Aricidea lopezi				3	1	4				2	4	4	6	19	16				2	2	1	2	2		**68**
Aricidea ramosa											1				1									1	**3**
Armandia brevis	14	7	1				3	6	11		1					1	3				1				**48**
Artacama coniferi													1												**1**
Asabellides lineata																1									**1**
Asabellides sibirica		1	1																						**2**
Axiothella rubrocincta									1							3		2							**6**
Barantolla nr americana																							1		**1**
Boccardia pugettensis					1	2																			**3**
Boccardiella hamata											1	4							5	5	1	7	1	1	**25**
Capitella capitata Complex	1	1			1	1	1			12	86	14	1	4					2	1	3				**128**
Notomastus sp. juv.																						2			**2**
Cauleriella pacifica							14	9	6	1						23	10	5							**68**
Chaetozone acuta	3	2	1				3	4	5							80	69	9			1				**177**
Chaetozone nr setosa			2		4	1				2	1				2				2	1			3	2	**20**
Chaetozone sp				3			1	1				2													**7**
Chaetozone sp N1							41	29	32																**102**
Chirimia similis										1															**1**
Chone aurantiaca											1														**1**
Chone bimaculata[1]																2	5								**7**
Cirratulidae	1																								**1**
Cirratulus sp juv																								1	**1**
Clymenura gracilis										2	1	5										1			**9**
Cossura pygodactylata			3			1					1				1				2	5					**13**
Demonax rugosus				1																					**1**
Diopatra ornata		1	1	2						5		3	1	1		1			5	9	9	1		1	**40**
Diopatra sp juv				1																					**1**
Dipolydora akaina																						1	7	1	**9**
Dipolydora brachycephala (=Dipolydora caulleryi)	1	1	10	4									5				1	1		13					**36**
Dipolydora socialis	4	3	4	9	3	1	4	9	4	1	1	2		3					8	8	5		1		**70**
Dorvillea annulata	1															3									**4**
Drilonereis longa	1			1																					**2**
Eranno bicirrata														1								1	1		**3**
Eteone pacifica	1															1		1							**3**
Eteone sp					1	2		1		2	2				1	2				5	2	1	1		**20**
Eteone spilotus	1																								**1**
Euchone incolor																			2	1	1				**4**
Euclymene cf zonalis	1		2																						**3**
Euclymeninae							1	2				2			1							2	2	2	**12**

Table D-5. 2010 Benthic Taxonomy and Biomass Data: Post Operation, Year Five Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	Organisms
Eulalia californiensis				1						2												1			**4**
Eumida longicornuta											2	1									1				**4**
Exogone lourei				2	7	11		1		4	19	15	4	2	4				2	4	2	1	4	2	**84**
Exogone molesta											1													2	**3**
Galathowenia oculata			2	1	1	1																1			**6**
Gattyana cirrosa																				1					**1**
Glycera americana	2						3	5	1		1					2		1							**15**
Glycera nana				4	7	4				12	11	12	7	6	8	15	10	2	7	5	3	6	10	7	**136**
Glycera sp juvenile							1	14	5																**20**
Glycinde armigera					3	1				3		4	3	5	1	10	2		4	4	4		2	2	**48**
Glycinde picta (=Glycinde polygnatha)	4	5	10	1			18	15	12																**65**
Glycinde sp juv	1					1	3	6	1																**12**
Goniada brunnea														1					2						**3**
Goniada maculata																2									**2**
Goniada sp juvenile					1																				**1**
Harmothoe imbricata							1												1						**2**
Heteromastus filobranchus			3										4		2					1					**10**
Heteromastus sp										1		1											5		**7**
Heteropodarke heteromorpha								1																	**1**
Isocirrus longiceps																							1		**1**
Lanassa nordenskioeldi				1	1	3																			**5**
Lanassa sp														1									1	1	**3**
Laonice cirrata	2			2									3						1	1			1		**10**
Leitoscoloplos pugettensis	2	1	3	1		1	161	10	22	1						22	5	4	1	2					**236**
Levinsenia gracilis	2	1		13	30	27			1	35	42	29	96	68	141			1	15	18	15	5	21	14	**574**
Lumbrineridae juvenile				1	1	1					3			1		1			4	1	5			1	**19**
Lumbrineris californiensis	41	10	27	7	2	5	2	1	1	1	8	7				48	24	6	5	14	12	6	12	2	**241**
Lumbrineris cruzensis											5														**5**
Lumbrineris latreilli			2		1		1			1															**5**
Lumbrineris sp juvenile	6		1																						**7**
Magelona longicornis			2	5	2	1				1									14	12	11	3	8	5	**64**
Malmgreniella macginitiei																4	2	1							**7**
Mediomastus californiensis	91	40	14		4	3	45	57	59	4	9	1	2	1	3	3			15	37	19	1	4	3	**415**
Microclymene caudata																			1						**1**
Micropodarke dubia	2						8	13	6		1					6	1	4							**41**
Monticellina serratiseta				3	1	1				2	1	1	2		3				1	1		4	3	8	**31**
Monticellina sp																3									**3**
Monticellina sp N1				2	6	4				1		3							2	4	3	4	5	2	**36**
Myriochele olgae (=Myriochele heeri)				4						3			9	3	5							2	4	7	**37**
Myxicola infundibulum																					1				**1**
Nephtys caecoides																1									**1**
Nephtys cornuta		1				1				3	12	3	1	2	2				8	3		2	4		**42**
Nephtys ferruginea	3	2	7	8	12	9		1	1	14	15	8	1	4	5				18	29	12		1	2	**152**
Nephtys sp																			5	3	3	2		1	**14**
Nereis procera	1	2	2	2	1		4	9	13	5	2	2	1			13	3	3	1	3	3			1	**71**
Nicolea zostericola																	1								**1**
Nicomache lumbricalis																						1			**1**
Notocirrus californiensis			1																						**1**
Notomastus hemipodus	1	1	6	1	2	5				2	8	5	3				2		6	11	12	3		2	**70**
Notomastus latericeus													1	1		1	7	9							**19**
Notomastus sp																	1								**1**
Notomastus tenuis								1	1																**2**

Table D-5. 2010 Benthic Taxonomy and Biomass Data: Post Operation, Year Five Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total Organisms
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
Oligochaeta	55	122	4				61	34	32										2	1	5				**316**
Onuphis elegans																2	1								**3**
Onuphis iridescens										1	1		1						1					2	**6**
Onuphis sp juvenile						1																			**1**
Ophiodromus pugettensis (=Podarke pugettensis)	2																			2					**4**
Owenia fusiformis							32	18	22	1		1		1		27	15	6				1	3		**127**
Paleanotus bellis		1					5	8	2							1	2								**19**
Parandalia fauveli				1																1	2		1		**5**
Paraprionospio alata (=Paraprionospio pinnata)				4	3	3				2	2	2		1	1				1	1			2		**22**
Parougia caeca						1																			**1**
Pectinaria californiensis						1				5	2	4										1	1		**14**
Pectinaria granulata				9	11	4	1		2	9	15	6					3	1				3	10	6	**80**
Pherusa plumosa																				2	1				**3**
Pholoe glabra						1				1	3	2													**7**
Pholoe sp													1	2	1	1		1							**6**
Pholoides asperus			1	9	7	8	1					3				1			8	6	1	40	38	9	**132**
Phyllodoce groenlandica			2		3					2		1	1							1	1				**11**
Phyllodoce hartmanae								1				3							2		1	1	1		**9**
Phyllodoce sp	1			1			1	1			1										1				**6**
Phylo felix						1	2																		**3**
Pilargis maculata					7	5				1	8	4	1	4	4				1	5	2		1		**43**
Pista estevanica (=Pista bansei)				1																					**1**
Pista percyi												1						1							**2**
Pista sp										1										1					**2**
Pista wui		2	5							1															**8**
Platynereis bicanaliculata	1						2										1								**4**
Podarkeopsis glabrus	1					1					4	2								8					**16**
Polycirrus sp				1		1								1					5			1	1		**10**
Polynoidae												1													**1**
Praxillella gracilis					1							1	1							1					**4**
Praxillella pacifica									1		2	3													**6**
Praxillella sp	1		1																						**2**
Prionospio lighti	3	8																		1					**12**
Prionospio multibranchiata	172	278					10	7	11		3					5	5			2					**493**
Prionospio steenstrupi	111	147	10	24	21	11	211	194	214	80	72	53	4	10	11	130	117	22	31	22	15	14	8	9	**1541**
Proclea graffi					2																				**2**
Protodorvillea gracilis							10	8	2							29	62	10							**121**
Rhodine bitorquata				2	3	4				1											1		1	2	**14**
Scoletoma luti	2	1	3	6	10	11			1	22	8	15	6	8	7	3			20	44	45	8	1	8	**229**
Scoloplos acmeceps							14	14	6																**34**
Scoloplos sp														2								1			**3**
Sigambra bassi						2				2	5	2	6	1	6				1				1		**26**
Sphaerodoropsis sphaerulifer				1							3								2	2					**8**
Spio cirrifera					1																				**1**
Spio filicornis			1																						**1**
Spio limicola																				1	1				**2**
Spiochaetopterus pottsi (=Spiochaetopterus costarum)	3		6	1		2				1	1	1					2	1		4	3		3	1	**29**
Spionidae																								1	**1**
Spiophanes berkeleyorum	22	29	2		1		2	4						2			1		8	2	6	3			**82**
Sternaspis nr fossor (=Sternaspis scutata)													1												**1**
Sthenelais berkeleyi														1											**1**
Tenonia priops										1															**1**

Table D-5. 2010 Benthic Taxonomy and Biomass Data: Post Operation, Year Five Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	Organisms
Terebellidae					1																				**1**
Terebellides californica														1											**1**
Terebellides sp													2								1				**3**
Travisia brevis																						1	1		**2**
Trochochaeta multisetosa	2		3	6	21	6				6	4	5	1	2					2			10	30	8	**106**
Typosyllis caeca (=Typosyllis hyperioni)							1	2	1		1					1			4	7	1				**18**
Typosyllis cornuta (=Typosyllis harti)										1	1	2			1	14	7	5		1	1				**33**
Typosyllis heterochaeta				1													1		2						**4**
Annelida Biomass (grams)	**4.68**	**2.36**	**3.21**	**1.48**	**1.80**	**1.00**	**3.12**	**2.60**	**2.98**	**2.55**	**3.71**	**2.39**	**1.62**	**2.20**	**0.79**	**3.46**	**2.16**	**1.12**	**2.08**	**5.78**	**5.21**	**1.91**	**2.67**	**1.89**	
CRUSTACEA																									
Cyclopoida sp.			1																						**1**
Cylindroleberididae sp.				1	2	3				3	1		4	2	2				1			2			**21**
Euphilomedes carcharodonta			2	97	96	76	4	16	2	49	22	23	33	34	25	1		1	29		1	51	127	98	**787**
Euphilomedes producta				45	32	36				30	38	6	14	18	9				5	1		12	20	7	**273**
Rutiderma lomae				2	4					5									2			11	12		**36**
Nebalia sp.											1					1									**2**
Scoloura phillipsi					1																	4	1	1	**7**
Leptochelia savignyi (=L. dubia)				3	2	3	1	1		3	2	3	2	1		1			4						**26**
Diastylis santamariensis						1			2										2	2	1				**8**
Leptostylis sp.															1										**1**
Eudorella pacifica				1	4	5				1	4	1		1	3				15	4		1	1		**41**
Eudorellopsis longirostris							1							1									1		**3**
Leucon subnasica																						3			**3**
Campylaspis canaliculata					1																				**1**
Campylaspis rufa												1	1	1						1					**4**
Campylaspis rubromaculata											1														**1**
Cumella sp.									1																**1**
Haliophasma geminatum					1															1					**2**
Ianiropsis analoga[2]							5	1	3																**9**
Pleurogonium rubicundum											1														**1**
Munna ubiquita							3	1	1																**5**
Ampelisca hancocki				2									1											1	**4**
Ampelisca lobata											1														**1**
Byblis millsi			1																5			1			**7**
Byblis sp.				3	2							1							1	2	1	1	2	1	**14**
Ampithoe lacertosa																11	7				4				**22**
Ampithoe sp.								1	1																**2**
Aoroides sp.	2	1					3													1					**7**
Aoroides exilis	4	2	2				22	10	18							11	5								**74**
Aoroides inermis	2	1	1				48	16	8	3	1	5				22	16		11	6	2				**142**
Aoroides spinosus							1																		**1**
Monocorophium acherusicum											1	1											1		**3**
Corophiidae sp.												1													**1**
Eusirus columbianus																					1				**1**
Ischyrocerus sp.									1																**1**
Hippomedon coecus				2	1															2					**5**
Lepidepecreum garthi													1												**1**
Orchomene decipiens							5									1					1				**7**
Pachynus barnardi	1	1																			1				**3**

Table D-5. 2010 Benthic Taxonomy and Biomass Data: Post Operation, Year Five Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total
Replicate	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**Organisms**
Desdimelita desdichada							19	7	5							11	2	1							**45**
Desdimelita transmelita																1									**1**
Megamoera subtener							5	6	2																**13**
Melphidippidae sp.																			1						**1**
Americhelidium sp.[3]		3									2	1		1		2			1	1		1			**12**
Americhelidium rectipalmum							5	5									3	1			1				**15**
Americhelidium shoemakeri	1						1	4	1																**7**
Deflexilodes similis											1														**1**
Westwoodilla tone[4]		1									1	1	1						2	2	1		1	1	**11**
Pardalisca tenuipes												1													**1**
Photis sp.							1	1																	**2**
Photis brevipes								3	2																**5**
Foxiphalus similis	127	102	12				55	7	65		1	1				20	2				4	1			**397**
Heterophoxus sp.	3		4							7	2	2										11	3	2	**34**
Heterophoxus affinis													1	4	2								5		**12**
Heterophoxus conlanae	25	18	17	1		1				3	4								2		1	2	4	2	**80**
Heterophoxus ellisi					2					4	6	4	2	2											**20**
Metaphoxus frequens					1	2				5	1		2						1				1	2	**15**
Parametaphoxus quaylei	8	1								1									4				1		**15**
Pleusymtes sp.							13	16	14								1								**44**
Pleusirus seccorus	1							2													1				**4**
Thorlaksonius sp.																1									**1**
Pontogeneia rostrata							2	1																	**3**
Tiron biocellota								1																	**1**
Caprella laeviuscula							4		4																**8**
Mayerella banksia							2	6	10																**18**
Caprella kennerlyi (=Metacaprella kennerlyi)							1																		**1**
Mesocrangon munitella																					1				**1**
Hippolytidae sp.	1																1								**2**
Eualus sp.							1		1							4					6				**12**
Eualus subtilis	6		1				1	1								1	2			2	3				**17**
Cancer gracilis							1	1															1		**3**
Cancer oregonensis																1									**1**
Cancer productus		1														1	1								**3**
Oregonia gracilis							1																		**1**
Fabia subquadrata																							1		**1**
Pinnixa occidentalis species complex[5]				4		5							3		3								1		**16**
Pinnixa schmitti	1	1			1		1			1	7	3	3	1					1	4	3	3	3		**33**
Pinnixa sp.							1																		**1**
Pagurus sp.								1												2					**3**
Lophopanopeus bellus	2		1																						**3**
Crustacea Biomass (grams)	**2.13**	**0.14**	**0.92**	**0.39**	**0.33**	**0.30**	**2.81**	**1.24**	**1.98**	**0.15**	**0.05**	**0.04**	**0.15**	**0.12**	**0.10**	**1.00**	**0.43**	**<0.01**	**0.06**	**0.38**	**0.20**	**0.11**	**7.96**	**0.18**	
MOLLUSCA																									
Acila castrensis					1									1	2				3	1				1	**9**
Adontorhina cyclia						1																			**1**
Alvania compacta	24	11	21	2	5		80	20	21	2		13				5	10	4	19	22	57	9	18	2	**345**
Alvania rosana				3	3					2		2	1	2								5	4	2	**24**
Astyris gausapata										3				8	2									3	**16**
Axinopsida serricata	17	10	40	74	103	131	1	1	1	275	246	182	324	449	296	5	2		159	31	25	86	84	176	**2718**

Table D-5. 2010 Benthic Taxonomy and Biomass Data: Post Operation, Year Five Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total Organisms
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
Cardiomya pectinata					2	2				**1**			**1**									**4**	**1**		**11**
Chaetoderma sp.				2		3									2					1			1	1	**10**
Clinocardium blandum							1																		**1**
Clinocardium sp. juv.																							1		**1**
Compsomyax subdiaphana				1		1				1		1	4	5	3							1	4		**21**
Crepipatella dorsata	2																			1					**3**
Cryptonatica affinis			1																1	1		1	2		**6**
Cyclostromella concordia							1	1																	**2**
Cylichna attonsa					1						2				3						1	1		1	**9**
Ennucula tenuis	2	3		6	9	12					4	2	5	4	1				3		1	4	4	7	**67**
Hiatella arctica					1			1	1																**3**
Kurtziella plumbea																					1				**1**
Lacuna vincta							1																		**1**
Leukoma (Protothaca) staminea							1	1	3																**5**
Lirobittium munitum[6]				9	7	24				10	7	4	10	9	5				1			1	5	13	**105**
Lirularia lirulata							7	4	5																**16**
Lottia scutum							1									1	2								**4**
Lucinoma annulatum				3	6	5				24	17	8	10	6	11	1	1		6	3	3	2	1	6	**113**
Lyonsia californica				2	2								1	3	1				1					4	**14**
Macoma carlottensis	16	6	8	44	52	49				209	292	166	93	52	21	1		1	43	11	11	90	53	62	**1280**
Macoma elimata			1	2	5	7			1		1	5							5	1		3	1	2	**34**
Macoma golikovi		5	7			2	27	18	63							9	9	8	2						**150**
Macoma nasuta		1												1											**2**
Macoma sp. juv.	1				4	3	15	13	18	2	14	3	2	1		37	23	9	14	1	1				**161**
Macoma yoldiformis			1	1		1	2		3	2							1	1						1	**13**
Mactridae sp. juv.				7																					**7**
Margarites pupillus							1	4				1				1				1					**8**
Melanochlamys diomedea				1																					**1**
Modiolus modiolus																							1		**1**
Mya arenaria						2	1	2	2									1				1			**9**
Neaeromya rugifera								1									1								**2**
Nemocardium centifilosum						1				2		2	1	1	1								4	3	**15**
Nuculana cellulita	1																								**1**
Nuculana hamata						1							1												**2**
Nuculana sp. juv.											1														**1**
Nudibranchia sp. indet.																				1					**1**
Nutricola lordi				3	7	8	8		1							1					1		1		**30**
Nutricola tantilla							3	16	9																**28**
Odostomia sp.				3	1	3	3			1			4	2		2		1	1	1	1	6	3	8	**40**
Pandora filosa				1	2	3						1	1	1								1		3	**13**
Parvilucina tenuisculpta	75	50	115	330	454	427	89	74	95	576	384	209	504	407	535	125	40	10	253	108	95	101	95	283	**5434**
Philine sp.						1				2	1	1								1	1				**7**
Rochefortia tumida	4	4			3	7	76	33	64	8	10	12	17	8	7	29	17	5	3		3	1	1	8	**320**
Rossia pacifica																			1						**1**
Saxidomus gigantea							6		1																**7**
Solamen columbianum				3	1	7				1	3	1	1	1	1				1		1	1	5	5	**32**
Tellina modesta							25	14	5																**44**
Tellina nuculoides								1																	**1**
Thyasira flexuosa			1	3	6	3							1								1	1	2	6	**24**
Tonicella? sp.																		1							**1**
Trichoptropis cancellata																						1			**1**
Turbonilla sp.	1		2				12	6	4							8		2							**35**

Table D-5. 2010 Benthic Taxonomy and Biomass Data: Post Operation, Year Five Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total Organisms
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
Yoldia seminuda				1		1				1			1										1		**5**
Mollusca Biomass (grams)	**2.41**	**2.86**	**4.28**	**4.96**	**6.82**	**9.71**	**3.72**	**4.14**	**4.92**	**20.86**	**21.52**	**13.22**	**12.81**	**11.35**	**12.56**	**2.37**	**0.72**	**1.59**	**7.27**	**4.31**	**4.16**	**2.98**	**5.02**	**4.99**	
MISCELLANEOUS																									
Edwardsia sipunculoides					3	1				1	1	1				1	1		11	1	1				**22**
Polycladida spp. indet.							2												2						**4**
Paleonemertea sp. A[7]					1			1																	**2**
Carinoma mutabilis			1																						**1**
Tubulanus spp. indet.															1						1				**2**
Tubulanus cingulatus				1	1														1	1			1		**5**
Tubulanus pellucidus/polymorphus	1			9	2	4					3		1	2	3				2	2	3	3	1	3	**39**
Lineidae spp. indet.	1		2	2	4					5	2	4	1	1			1	2		6	6	1	3		**41**
Cerebratulus spp. indet.	1	1	1								1														**4**
Cerebratulus marginatus								1																	**1**
Amphiporus spp. indet.										2															**2**
Zygonemertes virescens							1																		**1**
Tetrastemma sp. unid.			1																						**1**
Priapulus caudatus																					1				**1**
Echiura sp. unid. (proboscis)												1											1		**2**
Golfingia sp. unid.																							1		**1**
Thysanocardia nigra		1		1				2		4	1	2	1			11	9	1	1	2		4	1	2	**43**
Ophiurida spp. indet.		2		13	14	5	1			4	1		7	4	3	1			2	1		12	16	2	**88**
Amphiodia sp. indet.				5	6	3				2	1				2							2	3	2	**26**
Amphiodia (Amphispina) urtica/periercta				5	2	1				1				2											**11**
Amphipholis sp. indet.				1	1	1				2				1											**6**
Amphipholis squamata					1																				**1**
Ophiura luetkenii					1					1	1								3			1	1		**8**
Ophiura sp. unid.				1						1		1											1	1	**5**
Dendrochirotida spp. indet.																						1		1	**2**
Pentamera populifera					2	1							1												**4**
Pentamera lissoplaca																		1							**1**
Leptosynapta spp. unid.																	2								**2**
Leptosynapta clarki																		4							**4**
Leptosynapta transgressor																4									**4**
Invertebrata sp. unid.[8]				6	2																				**8**
Miscellaneous Taxa Biomass (grams)	**0.22**	**1.12**	**0.39**	**0.70**	**0.35**	**1.14**	**<0.01**	**0.04**	**0.00**	**0.81**	**0.55**	**0.67**	**0.24**	**0.07**	**0.01**	**0.41**	**0.03**	**0.66**	**0.09**	**0.36**	**0.90**	**0.04**	**0.19**	**0.04**	

Notes:

Blank cells indicate none of that particular taxon was found in the replicate sample.

1 = Previously called C. duneri.
2 = Previous identification of I. tridens from this project was probably I. analoga.
3 = Possibly undescribed sp. called A. variabilum in previous data sets.
4 = Replaces W. caecula in all previous data
5 = Note change from previous data: there are now several undefined spp. under "occidentalis"
6 = Previously identified as Lirobittium eschrichtii.
7 = Small narrow form covered with minute red-pink dots.
8 = Small (0.2-0.3 mm diameter), oval-shaped. "Venter" appears to have an oral opening. Indistinguishable internal organs; no structures for ID's.

Table D-6. 2015 Benthic Taxonomy and Biomass Data: Post Operation, Year Ten Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total Organisms
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
ANNELIDA																									
Ampharete N1		3	2																	1	1				**7**
Ampharete cf crassiseta				1								1													**2**
Ampharete finmarchica					1																				**1**
Ampharete sp															2									1	**3**
Amage anops				1	1					1			1											2	**6**
Anobothris gracilis			1	1	1						2												2		**7**
Aphelochaeta glandaria[1]	2	1	3		2																				**8**
Aphelochaeta N5				2	7	11				2	5	2	2		1				3	4	10	6	5	13	**73**
Aphelochaeta N6				5	5	1																			**11**
Aphelochaeta sp	2		1	3		2					2	1	1	2	1				2		3		1	2	**23**
Aphrodita sp							1																		**1**
Apistobranchus ornatus		1		3		2																			**6**
Apistobranchus sp.																			8	14	15				**37**
Aricidea lopezi				1	1	2					3	2	5	6	4						1	2	2		**29**
Aricidea ramosa										2	1	1													**4**
Aricidea sp										1															**1**
Armandia brevis							2	3	3							1	4	2							**15**
Asabellides lineata	1																								**1**
Artacama coniferi													3		1										**4**
Asabellides sibirica							1																		**1**
Barantolla nr americana						1													1			1			**3**
Bipalponephtys cornuta				1	1	6				5	14	7	4	2	4				9	1	5	1			**60**
Boccardia proboscidea			1																						**1**
Boccardia pugettensis		1	1																1						**3**
Boccardiella hamata										4	11	6								1		6		7	**35**
Capitella capitata											1			1	1	1	2		6			3	6	10	**31**
Caulleriella pacifica	2		1				4	1	2							5	6	5		3					**29**
Chaetozone acuta		1					1	1									4	20							**27**
Chaetozone N1							2	2												4					**8**
Chaetozone pugettensis					7	6							1						2		2	3	2	3	**26**
Chaetozone sp										2	5	2		1	1										**11**
Cirratulidae																						2			**2**
Clymenura gracilis	1	2											2						2			1			**8**
Cossura pygodactylata				1									1								2				**4**
Diopatra ornata	2	1	2	2							1	2						1	3	2	2			1	**19**
Diopatra sp					1	2				1		1	1		2							2	2	1	**13**
Dipolydora brachycephala		1	2	6															1	3					**13**
Dipolydora cardalia	12	10	10	3	1	2										1			1	2	2	3		4	**51**
Dorvillea longicornis							5	4	2							6	5	6							**28**
Drilonereis longa	1														1							2			**4**
Eteone californica	1	1																							**2**
Eteone pacifica	1																								**1**

Table D-6. 2015 Benthic Taxonomy and Biomass Data: Post Operation, Year Ten Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total Organisms
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
Eteone sp				2		2			2	2		1			1	2	1	1				1	1		**16**
Euchone incolor																					1				**1**
Euclymene cf zonalis		1																							**1**
Euclymeninae		1	1				1	2	1	1	2	2		3	5						1	3	1		**24**
Eumida longicornuta						1					1											1			**3**
Exogone lourei				6	6	7				2	7	9		2	3				1		1	5	1	6	**56**
Flabelligeridae				1																					**1**
Galathowenia oculata	2	2	2	1	3					2		2										1	1	2	**18**
Gattyana cirrhosa		1																							**1**
Glycera americana			1					1	1			1	1			2	5		1		1				**14**
Glycera nana		1	2	12	7	5	12	13	20	19	27	16	8	6	7	8	11	3	8	3	5	5	7	19	**224**
Glycinde armigera				1	2	2			5			1		1	1		2		1	2	3	2	1	1	**25**
Glycinde picta	6	2	3				8				5	2				1	3	2							**32**
Glycinde sp										1			2									1			**4**
Harmothoe imbricata	1															1	2		2						**6**
Hermundura fauveli	2								1	1									1	1	1				**7**
Hesionidae												1													**1**
Heteromastus filobranchus	1	1	2							3	1	1	22	8	9				3		3	2	2	2	**60**
Lanassa venusta					1																				**1**
Laonice cirrata	1	2	3				1			2	2														**11**
Laonice sp						1				2		1			1				1						**6**
Leitoscoloplos pugettensis	4	8	4	1	2			1	1							1	2	3	1	6	4	1	1		**40**
Lepidasthenia berkeleyae						1																			**1**
Levinsenia gracilis		1		13	13	18			1	31	32	30	64	52	43	1			5	5	7	12	11	9	**348**
Lumbrineris californiensis	11	34	29	1	2	1	1	2		7	2					3		1	23	19	20	2		1	**159**
Lumbrineris cruzensis										2	1			1	1										**5**
Lumbrineridae				1						2			2												**5**
Magelona longicornis	2	8		11	6	3				1	2	1							13	9	7	13	1	17	**94**
Malmgreniella liei																1									**1**
Malmgreniella sp			1			9			1									1							**12**
Mediomastus californiensis	45	19	35	13	8		104	33	97	41	33	29	11	9	11	28	77	72	11	24	32	4	4	8	**748**
Megalomma splendida				1																					**1**
Melinna oculata												1									1				**2**
Mesochaetopterus taylori										1	1										1	1			**4**
Microclymene caudata													2	1	2						2				**7**
Micropodarke dubia	4	2	4				57	50	88	2						13	19	18							**257**
Monticellina N1																			1			1			**2**
Monticellina serratiseta										7	3	3	1	1	1	1	1					10	7	4	**39**
Monticellina sp										1	1			1											**3**
Monticellina tesselata					1																				**1**
Myriochele olgae													3	1	1										**5**
Nephtys ferruginea	4	12	5	7	7	6				8	16	10	5	3	1				12	18	14		4	13	**145**
Nephtys sp																	1		1	1					**3**

Table D-6. 2015 Benthic Taxonomy and Biomass Data: Post Operation, Year Ten Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total Organisms
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
Nereis procera	1	2	4				5		1					2		3	4	1							**23**
Nereis sp											1														**1**
Notomastus hemipodus	11	4	10		3	3				6	2	2	1		1				6	12	6	3	2	2	**74**
Notomastus latericeus	1																								**1**
Oligochaeta sp.	24	12	15				41	23	48		1	2				1	3				1				**171**
Onuphis iridescens				3	1	1				1	2	3	1		2							1		1	**16**
Onuphis sp			1	1																		1			**3**
Owenia occidentale							5	1	2							3									**11**
Oxydromus pugettensis																6	12	11		1	1				**31**
Paraprionospio alata	3	6	5	30	37	23				42	58	19	5	5	2				11	30	10	19	12	25	**342**
Pectinaria californiensis					1	2				4	1	3			1							2	5	2	**21**
Pectinaria granulata	1		2	4	2	3	3	1		2	2	5		2	3	2	4					11	3	3	**53**
Pherusa plumosa		2														1	1								**4**
Pherusa sp							1																		**1**
Pholoe glabra							3		11							3	4	4			1				**26**
Pholoe N1			2																						**2**
Pholoe sp	1		1	2	1		8	2	1				1			4	2	2							**25**
Pholoides asperus	3	3	1	6	1	4	8	1	2	2	3	2					1			1		41		10	**89**
Phyllochaetopterus prolifica	2	1	1																						**4**
Phyllodoce groenlandica				2																					**2**
Phyllodoce hartmanae	1																				1				**2**
Phyllodoce sp			1								1									1					**3**
Pilargis maculata		1		1	2	2	1			10	1	10	7	5	3				1	1	2	1	4	1	**53**
Pionosyllis uraga																						1			**1**
Pista estevanica					1	1				1				1										1	**5**
Pista wui						2																			**2**
Platynereis bicanaliculata	1		1				4	4	7							1			1		3				**22**
Podarkeopsis glabrus	1	3				1							1	1					1	3	1		3	1	**16**
Polycirrus sp	2		1				1		1						1	1	2	9		2					**20**
Praxillella gracilis	1	1		1		1													2		1	2	1	4	**14**
Praxillella pacifica				1	2	3									1										**7**
Prionospio lighti	17	7	10		2		1				1			1	1				2	1	2				**45**
Prionospio multibranchiata	1	2	7				32	37	42				2	1		61	41	62		1	34				**323**
Prionospio steenstrupi	11	14	23	31	27	32	479	769	1076	89	199	75	24	22	11	720	523	614	22	23		45	30	81	**4940**
Protodorvillea gracilis	1						6	1	9							19	16	9		1	1				**63**
Rhodone bitorquata				6	3	3									1						1	3	3	3	**23**
Scoletoma luti	11	10	4	12	17	18				8	5	19	7	4	3		1		38	39	31	9	5	17	**258**
Scololoplos acmeceps										1				1											**2**
Sigambra nr bassi											1		3	6											**10**
Sphaerodoropsis sphaerulifer		1								1	1	2	2	1	1							1		1	**11**
Spio cirrifera				4	7	2				1	2								3	2	3	1		1	**26**
Spio filicornis		1	1																						**2**
Spiochaetopterus costarum pottsi	19	20	20	9	10	10	1	1		17	3	9		1		1			3	8	6	4	4	3	**149**

Table D-6. 2015 Benthic Taxonomy and Biomass Data: Post Operation, Year Ten Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total Organisms
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
Spiophanes berkeleyorum	11	7	9				2										3		12	6	4	1			**55**
Sternaspis affinis															1										**1**
Sternaspis sp													1												**1**
Sthenelais tertiaglabra				2		2								1	1										**6**
Terebellides californica				2	9	7					4	2		5	1				2	1	1		1	1	**36**
Terebellides reishi					1						1		3										1		**6**
Terebellides sp												2													**2**
Terebellinae			1							1		1												1	**4**
Tharyx N1													1												**1**
Travisia brevis						1																			**1**
Trochochaeta multisetosa		1		6	7	7				5	2	3		3						2		4	4	5	**49**
Typosyllis caeca	3	1	2							3							1				2	3			**15**
Typosyllis cornuta	1	1	3		1					5	1					2			2	3	3			1	**23**
Typosyllis heterochaeta						1						4									6				**11**
Annelida Biomass (grams)	**2.87**	**3.41**	**3.59**	**2.49**	**2.54**	**3.77**	**5.42**	**4.77**	**7.46**	**4.1**	**3.62**	**10.79**	**1.38**	**0.5**	**1.41**	**4.42**	**4.86**	**3.47**	**3.05**	**3.78**	**3.33**	**3.75**	**2.56**	**2.19**	
CRUSTACEA																									
Balanus sp.																	1								**1**
Cylindroleberididae sp.											2			1										2	**5**
Euphilomedes carcharodonta				70	61	47				8	66	47	27	101	70						1	105	80	120	**803**
Euphilomedes producta				13	12	27				10	30	17	9	32	17							25	13	8	**213**
Rutiderma lomae						2				1	21	6		3								10		8	**51**
Nebalia sp.							2	1									1		1						**5**
Scoloura phillipsi																								1	**1**
Leptochelia savignyi (=L. dubia)					1	1	1	1	2					2	1							4	3	1	**17**
Diastylis santamariensis			1														1		1		1				**4**
Eudorella pacifica						4					6	3	2	5	1				1						**22**
Leucon sp.																								1	**1**
Campylaspis rufa										1	1	1	1												**4**
Cumella sp.																1									**1**
Ianiropsis analoga[2]	5								1								1								**7**
Munna ubiquita							1																		**1**
Munnogonium tillerae								1																	**1**
Byblis millsi																						1			**1**
Byblis sp.	1				1									1					1						**4**
Apolochus litoralis (=Amphilochus littoralis)									1																**1**
Ampithoe lacertosa																	7								**7**
Ampithoe sp.	1																	1							**2**
Aoroides sp.							2	4	5																**11**
Aoroides exilis							85	39	53							3	4	3							**187**
Aoroides inermis	5		1	1			13	24	29							2	7	5							**87**
Protomedeia prudens																			1						**1**

Table D-6. 2015 Benthic Taxonomy and Biomass Data: Post Operation, Year Ten Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total Organisms
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
Ischyrocerus sp.									1																**1**
Hippomedon coecus					1																				**1**
Lepidepecreum garthi														1											**1**
Orchomene decipiens			1				1																		**2**
Pachynus barnardi														1	1						1				**3**
Desdimelita desdichada							4	25	29							6	10	3							**77**
Desdimelita transmelita																									**0**
Megamoera subtener								3	4							1	8	9	1		1				**27**
Americhelidium rectipalmum																					1				**1**
Americhelidium shoemakeri					1				1				1							1					**4**
Westwoodilla tone[3]	2		1	3						3	3	2	2		2							1	1	2	**22**
Pardalisca tenuipes																						1			**1**
Photis sp.									1																**1**
Photis brevipes							9	8																	**17**
Foxiphalus similis	22		32				2	76	97							26	32	14	3	1	5			1	**311**
Heterophoxus sp.	5		8									1	1	1							1	2	4		**23**
Heterophoxus affinis													4	2	1										**7**
Heterophoxus conlanae	11		11	4							3	3							4	1	2				**39**
Heterophoxus ellisi				2	2					3	1	1											1	1	**11**
Metaphoxus frequens											1	1		1								1			**4**
Parametaphoxus quaylei	4		5			1		1	2																**13**
Paraphoxus sp.													2											1	**3**
Pleusymtes sp.								2	1																**3**
Pleusirus seccorus							1		1								1								**3**
Caprella laeviuscula							1																		**1**
Caprella kennerlyi (=Metacaprella kennerlyi)							2	3																	**5**
Mesocrangon munitella			1				1														1				**3**
Crangon alaskensis													1												**1**
Crangon nigricauda							1																		**1**
Eualus sp.	6															1	2	3	3		6				**21**
Eualus subtilis	9		7					3	1							9	48	20		2					**99**
Heptacarpus brevirostris																	1								**1**
Spirontocaris snyderi											1														**1**
Cancer oregonensis							2									2	3	1							**8**
Cancer productus									2																**2**
Hemigrapsus oregonensis									3																**3**
Fabia subquadrata						1																			**1**
Pinnixa occidentalis species complex[4]											1				1										**2**
Pinnixa schmitti				5	7	2	1			4		11	1	1				1	5	11	3	3	1	2	**58**
Pinnixa sp.	2																							1	**3**
Pagurus sp.						1	1	1				1					1		3		1	1			**10**
Pagurus setosus																	1								**1**
Petrolisthes eriomerus																	1	2							**3**

Table D-6. 2015 Benthic Taxonomy and Biomass Data: Post Operation, Year Ten Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total Organisms
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
Lophopanopeus bellus	2		2				7		2								9	15							**37**
Neotrypaea sp.			1																3		1		1		**6**
Acanthaxius spinulicauda															1										**1**
Crustacea Biomass (grams)	**4.25**	**1.88**	**2.03**	**0.22**	**0.23**	**0.18**	**1.25**	**0.3**	**1.64**	**0.07**	**0.34**	**0.22**	**0.2**	**0.22**	**0.3**	**0.55**	**3.93**	**2.39**	**0.12**	**0.06**	**0.09**	**0.4**	**0.23**	**0.36**	
MOLLUSCA																									
Acila castrensis	1		1																	1					**3**
Acteocina inculta									2																**2**
Adontorhina cyclia																						1	2		**3**
Aeolidiacea sp.			1							1											4				**6**
Alvania compacta	6	7	5	1	1		21	17	30						1	6	15	32	17	15	19				**193**
Alvania rosana																								1	**1**
Amphissa columbiana																2	1								**3**
Astyris gausapata					8					1		13	6	8	9							5	1	5	**56**
Axinopsida serricata	16	27	11	69	52	111				115	153	119	326	560	618	1			89	81	75	107	85	90	**2705**
Calliostoma ligatum	1							2																	**3**
Cardiomya pectinata																						1		4	**5**
Cephalaspidea sp.										5	1														**6**
Chaetoderma sp.													1											1	**2**
Chaetodermatidae sp. Juv.													1										1		**2**
Compsomyax subdiaphana													1	1							1	2	1		**6**
Crepipatella lingulata							6									1	10	2							**19**
Cryptonatica affinis	1							1															1	1	**4**
Cylichna attonsa				2							1										1		2	1	**7**
Ennucula tenuis		1			3	2						2	4	8	10				2	2	3	3	1	2	**43**
Haminoea vesicula					1				1		1													1	**4**
Hima mendica[5]							2																		**2**
Ischnochitonidae sp.							1																		**1**
Kurtzia arteaga		1																							**1**
Kurtziella crebicostata				1	1																				**2**
Lepidizona sp.																		1							**1**
Leukoma staminea								1	1																**2**
Lirobittium munitum				3	4	4				7	4	7	5	19	20	1					1	2	6	9	**92**
Lucinoma annulatum				1	36	11				13	13	24	10	14	10	1			1	5	2	1	6	1	**149**
Lyonsia californica					2						1	1			1							1			**6**
Macoma carlottensis	9	6	13	7	9	8				38	61	70	36	37	52				6	10	19	42	34	31	**488**
Macoma elimata			1	4											1							7		2	**15**
Macoma golikovi	1	1		1			16	5	28							3	11	2						1	**69**
Macoma sp. Juv.	5	3	11	1		2	32	13	19	1			2		1	2	4	1	2	2	3	7		4	**115**
Macoma nasuta																			1						**1**
Macoma yoldiformis		1	2			1	1													1					**6**
Margarites pupillus								2	2								1								**5**

Table D-6. 2015 Benthic Taxonomy and Biomass Data: Post Operation, Year Ten Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total Organisms
Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
Modiolus sp.																		1							**1**
Neaeromya rugifera							5		2																**7**
Neaeromya sp. Juv																1	3	2							**6**
Nemocardium centifilosum																						2	1		**3**
Nuculana minuta				1							2											1		2	**6**
Nutricola cf. lordi					2	4																			**6**
Odostomia sp.										1							1					4	1	3	**10**
Pandora filosa				1	2	4							4	2	2					1		2			**18**
Parvilucina tenuisculpta	96	146	128	299	235	316	237	213	198	670	778	859	690	741	808	62	190	81	370	339	342	220	295	236	**8549**
Pododesmus macrochisma																	2	2							**4**
Pulsellum salishorum														1											**1**
Rochefortia tumida						3	25	23	44	1	3	2	1	2	5	1	22	12				9			**153**
Saxicavella pacifica																						5			**5**
Saxidomus gigantea		2	3				7	9	3																**24**
Solamen columbianum	1	1		4	4	2				4	4	2	2	3	2				2	4	1	4		4	**44**
Tectura scutum							1		1									1							**3**
Tellina modesta							5	1	3																**9**
Thyasira flexuosa				2		4						2		3					1	1	3		2		**18**
Turbonilla spp.								1				1								1		1		2	**6**
Volvulella sp.																						1	1	1	**3**
Yoldia seminuda													1												**1**
Mollusca Biomass (grams)	**2.4**	**5.04**	**3.82**	**7.21**	**3.02**	**3.84**	**4.45**	**4.51**	**4.35**	**13.83**	**11.51**	**23.87**	**15.43**	**20.63**	**16.63**	**0.27**	**13.69**	**2.33**	**6.22**	**16.99**	**9.19**	**17.43**	**8.61**	**3.55**	
MISCELLANEOUS																									
Nemertea sp. juv.	2	1					1	1			1			1	1				2	1	1	1			**13**
Phoronopsis sp.			1						1													2			**4**
Ophiurida sp. juv					1	2							1												**4**
Amphiuridae sp. juv			1		7							2										1		2	**13**
Amphiodia sp, juv				1	3	2					1	1	2	1	1										**12**
Amphipholis sp.											1														**1**
Ophiura sp.	1			1	1	3					1				1				2	3	2	1	1	2	**19**
Ophiura luetkeni						1																			**1**
Pentamera lissoplaca																								1	**1**
Pentamera populifera				1																					**1**
Pentamera rigida												1													**1**
Leptosynapta sp.																	1								**1**
Edwardsia sp.										1										1					**2**
Acoela sp.															1										**1**
Leptoplanidae sp.							4																		**4**
Tubulanus polymorphus	4	6	6			4				5	2	2	7	3	2	1	2		4	5	5	1	5	1	**65**
Tubulanus sp.				2	2							5		2											**11**
Tubulanus sp A								2									1	1							**4**

Table D-6. 2015 Benthic Taxonomy and Biomass Data: Post Operation, Year Ten Sediment Monitoring

Sampling Location ID	DWMP-01			DWMP-03			DWMP-05			DWMP-08			DWMP-09			DWMP-10			DWMP-14			DWMP-15			Total Organisms
Replicate	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**	
Tubulanus sp nr nothus				3						1	2								1						**7**
Carinoma mutabilis	2						2										2								**6**
Lineidae sp.			1	1			1	1		1	2					1	2		1		1	3			**15**
Lineus sp.	2																							1	**3**
Cerebratulus sp		2		1						2									1		1				**7**
Micrura sp.	2			1	1		1		2		1	1	1						2		5	2	1	1	**21**
Paranemertes californica						1					1												1	1	**4**
Priapulus caudatus			1																		1				**2**
Thysanocardia nigra		1			1	1					1									1		1	2	1	**9**
Miscellaneous Taxa Biomass (grams)	**0.24**	**2.87**	**2.03**	**1.2**	**0.11**	**0.06**	**0.04**	**<0.01**	**<0.01**	**3.07**	**0.4**	**0.13**	**0.06**	**0.09**	**0.11**	**0.03**	**0.16**	**<0.01**	**0.61**	**0.05**	**0.55**	**0.07**	**0.43**	**0.2**	

Notes:

Blank cells indicate none of that particular taxon was found in the replicate sample.

1 = Species complex

2 = Previous identification of I. tridens from this project was probably I. analoga

3 = Replaces W. caecula in all previous data

4 = Note change from previous data: there are now several undefined spp. under "occidentalis"

5 = formerly Nassarius mendicus