Table 3: Slip 4 Drainage Basin Inline Sediment Sample Results (DW) (Source: Integral 2005a)

	Slip 4 Storm Drains								
	MH100 North+ central lat #2	MH100 North+ central lat #2	MH221A Central lat #1 d/s Boeing Field	MH221A Central lat #1 d/s Boeing Field	MH363 North lat d/s Steampit	MH363 North lat d/s Steampit	MH229A Central lat #1 d/s runway	MH229A Central lat #1 d/s runway	MH32 I-5 SB at Airport Way
Date	2/16/05 S	2/16/05 B	2/16/05 S	2/16/05 B	2/16/05 S	2/16/05 B	2/16/05 S	2/16/05 B	8/11/05 S
TOC (percent)	6.11	6.6	1.09	1	1.11	0.76	4.34	3.88	0.739
Metals (mg/kg DW)									
As	**20**	**20**	**40**	**12**	**9**	**8**	**30**	**30**	10 U
Cu	88.9	**102**	**126**	**38.5**	**64.1**	**45.1**	**69.7**	**85.5**	**61.2**
Pb	134	**142**	**94**	**50**	**51**	**110**	**120**	**155**	**207**
Hg	0.2	**0.2**	**0.09**	**0.09**	**0.48**	**0.7**	**0.07**	**0.07**	0.05 U
Zn	377	**411**	**572**	**332**	**208**	**272**	**699**	**1,130**	**186**
LPAH (ug/kg DW)									
Acenaphthene	**100 U**	**59 U**	**180 U**	**58 U**	**59 U**	**59 U**	**800**	**930**	20 U
Acenaphthylene	**100 U**	**59 U**	**180 U**	58 U	59 U	59 U	**86**	**220 U**	**20 U**
Anthracene	100 U	**140**	180 U	**71**	**65**	59 U	**770**	**1,200**	20 U
Fluorene	100 U	59 U	180 U	**73**	59 U	59 U	**810**	**1,100**	20 U
Naphthalene	**100 U**	**59 U**	**59 U**	**58 U**	**59 U**	**59 U**	**76**	220 U	22 U
Phenanthrene	**500**	**250**	**440**	**300**	**400**	**260**	**6,100**	**8,900**	**22**
HPAH (ug/kg DW)									
Benzo(a)anthracene	**320**	**380**	330	280	340	280	**1,900**	**3,000**	20 U
Benzo(a)pyrene	**290**	**480**	470	400	330	300	**2,000**	**3,400**	**26**
Benzo(b)fluoranthene	**500**	**760**	**740**	**710**	**520**	**450**	**3,300**	**5,400**	**34**
Benzo(g,h,i)perylene	**210**	**200**	**310**	**230**	**170**	**170**	**840**	**1,300**	20 U
Benzo(k)fluoranthene	**280**	**460**	**370**	**400**	**280**	**310**	**2,000**	**3,600**	20 U
Chrysene	**570**	**620**	**600**	**490**	**500**	**400**	**2,600**	**4,200**	**31**
Dibenzo(a,h)anthracene	100 U	59 U	180 U	58 U	59 U	59 U	**370**	220 U	20 U
Fluoranthene	**980**	**880**	**1,100**	**920**	**840**	**750**	**6,700**	**11,000**	**44**
Indeno(1,2,3-c,d)pyrene	**240**	**180**	**380**	**260**	**190**	**180**	**980**	**1,500**	20 U
Pyrene	**750**	**810**	**800**	**870**	**630**	**660**	**4,900**	**7,600**	**50**
Phthalates (ug/kg DW)									
Bis(2-ethylhexyl)phthalate	**1,500**	**2,000**	**800**	**760**	**430**	**500**	**1,200**	**2,200**	**180**
Butylbenzylphthalate	**140**	**86**	180 U	58 U	59 U	59 U	**62**	220 U	20 U
Diethylphthalate	100 U	59 U	180 U	**58 U**	**59 U**	59 U	61 U	220 U	20 U
Dimethylphthalate	100 U	59 U	180 U	**58 U**	**59 U**	59 U	61 U	220 U	20 U
Di-n-butylphthalate	**100 U**	**59 U**	**180 U**	**58 U**	**59 U**	59 U	**110**	220 U	20 U
Di-n-octylphthalate	100 U	**71**	**180 U**	**120**	**59**	**69**	**130**	**240**	20 U
PCBs (ug/kg DW)									
Aroclor 1016	220 U	95 U	120 U	120 U	1,200 Y	950 U	19 U	140 U	19 U
Aroclor 1242	220 U	95 U	120 U	120 U	940 Y	950 U	19 U	140 U	19 U
Aroclor 1248	220 U	95 U	120 U	120 U	2,400 Y	1,900 U	19 U	140 U	19 U
Aroclor 1254	**1,000**	**1,600**	**590**	**960**	**31,000**	**7,000**	**150**	**3,700**	19 U
Aroclor 1260	**820 P**	**380 P**	**410**	**530**	3,800 Y	950 U	**160 P**	**1,900**	19 U
Aroclor 1221	220 U	95 U	120 U	120 U	470 U	480 U	19 U	140 U	19 U
Aroclor 1232	220 U	95 U	120 U	120 U	1,400 Y	1,400 U	19 U	140 U	19 U
Total PCBs	**1,820 P**	**1,980 P**	**1,000**	**1,490**	**31,000**	**7,000**	**310 P**	**5,600**	19 U
TPH (mg/kg)									
Diesel	**88**	**40**	**120**	**120**	**120**	**47**	**110**	**200**	120 U
Motor Oil	**380**	**190**	**270**	**210**	**680**	**190**	**380**	**1,000**	**290**

Detected values shown in bold type.

U = Chemical not detected at reported concentration

Y = Chemical not detected at the reported concentration. Reporting limit raised due to chromatographic interference.

P = Chemical detected on both chromatographic columns, but values differ by >40% RPD with no obvious interference.

J = Chemical concentration is reported as estimate.

Exceeds SQS (450 mg/kg lead, 0.41 mg/kg mercury, 410 mg/kg zinc) or MTCA Method A soil cleanup level for unrestricted use (1 mg/kg PCBs)

Exceeds CSL (530 mg/kg lead, 0.59 mg/kg mercury, 960 mg/kg zinc) or MTCA Method A soil cleanup level for industrial use (10 mg/kg PCBs)

Table 3: Slip 4 Drainage Basin Inline Sediment Sample Results (DW) (Source: Integral 2005a)

	Georgetown Flume Samples										
	T1 Flume 15" u/s of box culvert	T2 Flume at S Myrtle St	T5 Flume at S Myrtle St	T3 Flume upstream of S Willow St	T4 Head of flume	T6 MH100 u/s of E Marginal Wy S	P1 Flume off of 8" plugged pipe	P2 Flume off of 8" pipe near S Willow St	P3 Flume off of 15" plugged pipe	P4 Flume off of 8" pipe at S Myrtle St	P5 Ditch at S Myrtle St
Date	3/24/05 S	3/24/05 S	3/24/05 S	3/25/05 S	3/24/05 S	3/25/05 S	3/25/05 S	3/25/05 S	3/25/05 S	3/24/05 S	3/24/05 S
TOC (percent)	3.92	1.43	1.17	2.25	8.71	2.68	0.711	2.47	5.27	0.773	6.86
Metals (mg/kg DW)											
As	11	7 U	7 U	7 U	40	7 U	7 U	13	20	6 U	10 U
Cu	63.2	18.5	20.2	54.6	314 J	79.6	18	56.6	133	12.8	95.1
Pb	99	14	15	263	590 J	61	16	69	501	10	73
Hg	0.1	0.05 U	0.05 U	0.41	1.7	0.08	0.05 U	0.18	1	0.06 U	0.08
Zn	218	53.8	61.3	180	1,130	240	60.8	238	766	52.7	195
LPAH (ug/kg DW)											
Acenaphthene	270	20 U	24	380	660	67	20 U	58 U	120 U	19 U	1,600 U
Acenaphthylene	150	20 U	21	230	2,700	34 J	28	92	120 U	19	1,600 U
Anthracene	640	53	91	590	2,500	220	97	270	130	69	1,600 U
Fluorene	240	20 U	20 U	530	1,900	66	20 U	42 J	120 U	19 U	1,600 U
Naphthalene	310	20 U	20 U	97	2,400	59 U	20 U	58 U	120 U	19 U	1,600 U
Phenanthrene	4,500	44	67	6,200	11,000	740	96	250	510	140	1,600 U
HPAH (ug/kg DW)											
Benzo(a)anthracene	1,300	100	150	1,400	7,900	520	150	370	370	73	1,600 U
Benzo(a)pyrene	1,300	240	310	490	8,600	560	130	290	450	83	1,600 U
Benzo(b)fluoranthene	1,600	240	350	850	11,000	640	140	520	640	100	1,600 U
Benzo(g,h,i)perylene	570	92	130	200	2,500	210	52	120	190	33	1,600 U
Benzo(k)fluoranthene	1,600	270	290	1,000	9,400	790	230	540	500	140	1,600 U
Chrysene	2,300	160	210	1,500	8,400	750	230	650	540	160	810 J
Dibenzo(a,h)anthracene	230	34	41	45 J	1,000	54 J	20 U	33 J	120 U	19 U	1,600 U
Fluoranthene	6,300	200	260	6,100	18,000	1,600	530	1,200	1,100	490	1,000
Indeno(1,2,3-c,d)pyrene	660	91	120	220	3,000	210	57	120	210	32	1,600 U
Pyrene	3,200	130	180	3,300	14,000	1,200	300	850	960	230	1,200
Phthalates (ug/kg DW)											
Bis(2-ethylhexyl)phthalate	2,000	140	140	580	210	2,000	120	560	2,100	140	3,800
Butylbenzylphthalate	110	20 U	20 U	59 U	200 U	100	20 U	58 U	160	19 U	1,600 U
Diethylphthalate	60 U	20 U	20 U	59 U	200 U	59 U	20 U	58 U	120 U	19 U	1,600 U
Dimethylphthalate	60 U	20 U	20 U	59 U	200 U	59 U	20 U	58 U	120 U	19 U	1,600 U
Di-n-butylphthalate	87	20 U	20 U	60	200 U	59 U	24	69	140	19 U	1,600 U
Di-n-octylphthalate	60 U	20 U	20 U	59 U	200 U	64	20 U	230	140	19 U	1,600 U
PCBs (ug/kg DW)											
Aroclor 1016	59 U	7.8 U	4.0 U	2,800 U	240 U	40 U	12 U	79 U	26,000 U	3.9 U	240 U
Aroclor 1242	59 U	7.8 U	4.0 U	2,800 U	240 U	40 U	12 U	79 U	26,000 U	3.9 U	240 U
Aroclor 1248	59 U	12	12 J	2,800 U	1,500 J	79 U	28	210	26,000 U	6.3	240 U
Aroclor 1254	190	26 J	29 J	3,900	1,700	240	56 J	450	92,000	14 J	470 U
Aroclor 1260	140	28	24	2,800 U	540	160	36	120	26,000 U	18	1,500
Aroclor 1221	59 U	7.8 U	4.0 U	2,800 U	240 U	40 U	12 U	79 U	26,000 U	7.8 U	240 U
Aroclor 1232	59 U	16 U	4.0 U	2,800 U	240 U	40 U	12 U	79 U	26,000 U	7.8 U	240 U
Total PCBs	330	66 J	65 J	3,900	3,740 J	400	120 J	780	92,000	38.3 J	1,500
TPH (mg/kg)											
Diesel	36	21	19	84	2,300	120	14	63	250	8.9	1,600
Motor Oil	140	99	70	460	9,700	670	66	360	1,100	61	3,000

[1]T5 is duplicate of T2.
S = Seattle field split
B = Boeing field split

Table 4: Slip 4 Drainage Basin Inline Sediment Sample Results Compared to Sediment Management Standards *(Source: Integral 2005a)*

	SQS	CSL	Slip 4 Storm Drains								
			MH100 North+ central lat #2	MH100 North+ central lat #2	MH221A Central lat #1 d/s Boeing Field	MH221A Central lat #1 d/s Boeing Field	MH363 North lat d/s Steamer	MH363 North lat d/s Steamer	MH229A Central lat #1 d/s Conway	MH229A Central lat #1 d/s Conway	MH33 FS 3D at Airport Way
Date			2/16/05 S	2/16/05 B	2/16/05 S	2/16/05 B	2/16/05 S	2/16/05 B	2/16/05 S	2/16/05 B	8/11/05 S
TOC (percent)			6.11	6.6	1.09	1	1.11	0.76	4.34	3.88	0.739
Metals (mg/kg DW)											
As	57	93	**20**	**20**	**40**	**12**	**9**	**8**	**30**	**30**	10 U
Cu	390	390	**88.9**	**102**	**126**	**38.5**	**64.1**	**45.1**	**69.7**	**85.5**	**61.2**
Pb	450	530	**134**	**142**	**94**	**50**	**51**	**110**	**120**	**155**	**207**
Hg	0.41	0.59	**0.2**	**0.2**	**0.09**	**0.09**	**0.48**	**0.7**	**0.07**	**0.07**	0.05 U
Zn	410	960	**377**	**411**	**572**	**332**	**208**	**272**	**699**	**1,130**	**186**
LPAH (mg/kg OC)											
Acenaphthene	16	57	2 U	2.7 U	17 U	6 U	5 U	8 U	**18**	**24**	3 U
Acenaphthylene	66	66	2 U	2.7 U	17 U	6 U	5 U	8 U	**2**	6 U	3 U
Anthracene	220	1,200	2 U	**2.7**	17 U	**7**	**6**	8 U	**18**	**31**	3 U
Fluorene	23	79	2 U	2.7 U	**17**	**7**	5 U	8 U	**19**	**28**	3 U
Naphthalene	99	170	2 U	0.9 U	5 U	6 U	5 U	8 U	**2**	6 U	**3**
Phenanthrene	100	480	**8**	**6.7**	**40**	**30**	**36**	**34**	**141**	**229**	3 U
HPAH (mg/kg OC)											
Benzo(a)anthracene	110	270	**5**	**6**	**30**	**28**	**31**	**37**	**44**	**77**	3 U
Benzo(a)pyrene	99	210	**5**	**7**	**43**	**40**	**30**	**39**	**46**	**88**	**4**
Benzo (b+k)fluoranthene	230	450	**13**	**18**	**102**	**111**	**72**	**100**	**122**	**232**	**7**
Benzo(g,h,i)perylene	31	78	**3**	**3**	**28**	**23**	**15**	**22**	**19**	**34**	3 U
Chrysene	110	460	**9**	**9**	**55**	**49**	**45**	**53**	**60**	**108**	**4**
Dibenzo(a,h)anthracene	12	33	2 U	1 U	17 U	6 U	5 U	8 U	**9**	6 U	3 U
Fluoranthene	160	1,200	**16**	**13**	**101**	**92**	**76**	**99**	**154**	**284**	**6**
Indeno(1,2,3-c,d)pyrene	34	88	**4**	**3**	**35**	**26**	**17**	**24**	**23**	**39**	3 U
Pyrene	1,000	1,400	**12**	**12**	**73**	**87**	**57**	**87**	**113**	**196**	**7**
Phthalates (mg/kg OC)											
Bis(2-ethylhexyl)phthalate	47	78	**25**	**30**	**73**	**76**	**39**	**66**	**28**	**57**	**24**
Butylbenzylphthalate	4.9	64	**2**	**1.3**	17 U	6 U	5 U	8 U	**1**	6 U	3 U
Diethylphthalate	61	110	2 U	0.9 U	17 U	6 U	5 U	8 U	1 U	6 U	3 U
Dimethylphthalate	53	53	2 U	0.9 U	17 U	6 U	5 U	8 U	1 U	6 U	3 U
Di-n-butylphthalate	220	1,700	2 U	0.9 U	17 U	6 U	5 U	8 U	**3**	6 U	3 U
Di-n-octylphthalate	58	4,500	2 U	**1.1**	**17**	**12**	**5**	**9**	**3**	**6**	3 U
PCBs (mg/kg OC)											
Aroclor 1016			4 U	1.4 U	11 U	12 U	108 Y	125 U	0.4 U	3.6 U	3 U
Aroclor 1242			4 U	1.4 U	11 U	12 U	85 Y	125 U	0.4 U	3.6 U	3 U
Aroclor 1248			4 U	1.4 U	11 U	12 U	216 Y	250 U	0.4 U	3.6 U	3 U
Aroclor 1254			**16**	**24**	**54**	**96**	**2,793**	**921**	**3**	**95**	3 U
Aroclor 1260			**13** P	**6** P	**38**	**53**	342 Y	125 U	**4** P	**49**	3 U
Aroclor 1221			4 U	1.4 U	11 U	12 U	42 U	63 U	0.4 U	3.6 U	3 U
Aroclor 1232			4 U	1.4 U	11 U	12 U	126 Y	164 U	0.4 U	3.6 U	3 U
Total PCBs	12	65	**30** P	**30** P	**92**	**149**	**2,793**	**921**	**7** P	**144**	3 U
TPH (mg/kg)											
Diesel		2,000*	**88**	**40**	**120**	**120**	**120**	**47**	**110**	**200**	120 U
Motor Oil		2,000*	**380**	**190**	**270**	**210**	**680**	**190**	**380**	**1,000**	**290**

Detected values shown in bold type.
*MTCA Method A soil cleanup level for industrial use.
U = Chemical not detected at reported concentration
Y = Chemical not detected at the reported concentration. Reporting limit raised due to chromatographic interference.
J = Chemical concentration is reported as estimate.
P = Chemical detected on both chromatographic columns, but values differ by >40% RPD with no obvious interference.
Exceeds SQS
Exceeds CSL or MTCA Method A soil cleanup level for industrial use.

KCSlip4 56319
SEA422640

Table 4: Slip 4 Drainage Basin Inline Sediment Sample Results Compared to Sediment Management Standards
(Source: Integral 2005a)

	SQS	CSL	Georgetown Flume Samples										
			T1 Flume 15' u/s of box culvert	T2 Flume at S Myrtle St	T5 Flume at S Myrtle St	T3 Flume upstream of S Willow St	T4 Head of flume	T6 MH100 u/s of E Marginal Wy S	P1 Flume off of 8" plugged pipe	P2 Flume off of 8" pipe near S Willow St	P3 Flume off of 15" plugged pipe	P4 Flume off of 8" pipe at S Myrtle St	P5 Ditch at S Myrtle St
Date			3/24/05 S	3/24/05 S	3/24/05 S	3/25/05 S	3/24/05 S	3/25/05 S	3/25/05 S	3/25/05 S	3/25/05 S	3/24/05 S	3/24/05 S
TOC (percent)			3.92	1.43	1.17	2.25	8.71	2.68	0.711	2.47	5.27	0.773	6.86
Metals (mg/kg DW)													
As	57	93	11	7 U	7 U	7 U	40	7 U	7 U	13	20	6 U	10 U
Cu	390	390	63.2	18.5	20.2	54.6	314 J	79.6	18	56.6	133	12.8	95.1
Pb	450	530	99	14	15	263	590 J	61	16	69	501	10	73
Hg	0.41	0.59	0.1	0.05 U	0.05 U	0.41	1.7	0.08	0.05 U	0.18	1	0.06 U	0.08
Zn	410	960	218	53.8	61.3	180	1,130	240	60.8	238	766	52.7	195
LPAH (mg/kg OC)													
Acenaphthene	16	57	7	1 U	2	17	8	3	3 U	2 U	2 U	2 U	23 U
Acenaphthylene	66	66	4	1 U	2	10	31	1 J	4	4	2 U	2	23 U
Anthracene	220	1,200	16	4	8	26	29	8	14	11	2	9	23 U
Fluorene	23	79	6	1 U	2 U	24	22	2	3 U	2 J	2 U	2 U	23 U
Naphthalene	99	170	8	1 U	2 U	4	28	2 U	3 U	2 U	2 U	2 U	23 U
Phenanthrene	100	480	115	3	6	276	126	28	14	10	10	18	23 U
HPAH (mg/kg OC)													
Benzo(a)anthracene	110	270	33	7	13	62	91	19	21	15	7	9	23 U
Benzo(a)pyrene	99	210	33	17	26	22	99	21	18	12	9	11	23 U
Benzo (b+k)fluoranthene	230	450	82	36	55	82	234	53	52	43	22	31	47 U
Benzo(g,h,i)perylene	31	78	15	6	11	9	29	8	7	5	4	4	23 U
Chrysene	110	460	59	11	18	67	96	28	32	26	10	21	12 J
Dibenzo(a,h)anthracene	12	33	6	2	4	2 J	11	2 J	3 U	1 J	2 U	2 U	23 U
Fluoranthene	160	1,200	161	14	22	271	207	60	75	49	21	63	15
Indeno(1,2,3-c,d)pyrene	34	88	17	6	10	10	34	8	8	5	4	4	23 U
Pyrene	1,000	1,400	82	9	15	147	161	45	42	34	18	30	17
Phthalates (mg/kg OC)													
Bis(2-ethylhexyl)phthalate	47	78	51	10	12	26	2	75	17	23	40	18	55
Butylbenzylphthalate	4.9	64	3	1 U	2 U	3 U	2 U	4	3 U	2 U	3	2 U	23 U
Diethylphthalate	61	110	2 U	1 U	2 U	3 U	2 U	2 U	3 U	2 U	2 U	2 U	23 U
Dimethylphthalate	53	53	2 U	1 U	2 U	3 U	2 U	2 U	3 U	2 U	2 U	2 U	23 U
Di-n-butylphthalate	220	1,700	2	1 U	2 U	3	2 U	2 U	3	3	3	2 U	23 U
Di-n-octylphthalate	58	4,500	2 U	1 U	2 U	3 U	2 U	2	3 U	9	3	2 U	23 U
PCBs (mg/kg OC)													
Aroclor 1016			2 U	1 U	0 U	124 U	3 U	1 U	2 U	3 U	493 U	1 U	3 U
Aroclor 1242			2 U	1 U	0 U	124 U	3 U	1 U	2 U	3 U	493 U	1 U	3 U
Aroclor 1248			2 U	1	1 J	124 U	17 J	3 U	4	9	493 U	1	3 U
Aroclor 1254			5	2 J	2 J	173	20	9	8 J	18	1,746	2 J	7 U
Aroclor 1260			4	2	2	124 U	6	6	5	5	493 U	2	22
Aroclor 1221			2 U	1 U	0 U	124 U	3 U	1 U	2 U	3 U	493 U	1 U	3 U
Aroclor 1232			2 U	1 U	0 U	124 U	3 U	1 U	2 U	3 U	493 U	1 U	3 U
Total PCBs	12	65	8	5	6	173	43	15	17	32	1,746	5	22
TPH (mg/kg)													
Diesel		2,000[a]	36	21	19	84	2,300	120	14	63	250	8.9	1,600
Motor Oil		2,000[a]	140	99	70	480	9,700	670	66	360	1,100	61	3,000

[1]T5 is duplicate of T2.
S = Seattle field split
B = Boeing field split

Table 5: Slip 4 Drainage Basin Catch Basin and Sediment Sample Results (DW) *(Source: Integral 2005a)*

	SQS	CSL	CB37	CB44	CB45	CB46	CB48	CB79	CB80	RCB49	S1
Date			6/22/04	12/8/04	12/22/04	12/22/04	2/20/05	11/9/05	11/9/05	11/8/05	11/9/05
TOC (percent)			4.74	24.6	9.74	10.4	1.57	6.42	2.68	4.06	3.1
Metals (mg/kg DW)											
As	57	93	20 U	12	20	20	12	30	6 U	20 U	11
Cu	390	390	173	142	6,320	5,660	51.5	207	85.2	85	69.9
Pb	450	530	250	123	481	396	343	114	29	79	73
Hg	0.41	0.59	0.08	0.12	0.30	0.20	0.32	0.2	0.05 U	0.05 U	0.14
Zn	410	960	1,220	524	3,420	3,530	657	758	268	357	172
LPAH (ug/kg DW)											
Acenaphthene			170	140 U	760	1,600 U	130	90 U	66	20 U	35 U
Acenaphthylene			140 U	140 U	390 U	1,600 U	59 U	90 U	42 U	20 U	35 U
Anthracene			820	140 U	2,100	5,000	110	6,400	67 M	16 J	21 J
Fluorene			350	140 U	1,300	3,000	130	1,300	340	20 U	35 U
Naphthalene			140 U	140 U	390 U	1,600 U	470	160	89	20 U	35 U
Phenanthrene			3,000	220	17,000	35,000	3,100	1,700	1,100	68	78
HPAH (ug/kg DW)											
Benzo(a)anthracene			610	140 U	13,000	27,000	1,300	730	160	60	81
Benzo(a)pyrene			200	140 U	15,000	32,000	1,400	830	170	120	140
Benzo(b)fluoranthene			480	180	15,000	34,000	3,100	1,200	250 M	200	250
Benzo(k)fluoranthene			320	180	15,000	34,000	1,500	1,300	240 M	170	190
Benzofluoranthenes			800	360	30,000	68,000	4,600	2,500	490 M	370	440
Benzo(g,h,i)perylene			140 U	140 U	7,300	16,000	660	570	140	110	87
Chrysene			1,000	290	20,000	43,000	2,100	1,800	400	120	160
Dibenzo(a,h)anthracene			140 U	140 U	2,700	5,400	99	150	42 U	14 J	35
Fluoranthene			3,600	410	31,000	85,000	4,700	1,700	360	180	190
Indeno(1,2,3-c,d)pyrene			140 U	140 U	8,600	19,000	940	410	62	41	61
Pyrene			2,600	290	23,000	49,000	3,100	5,300	1,000	180	290
Phthalates (ug/kg DW)											
Bis(2-ethylhexyl)phthalate			1,600	3,910	8,800	30,000	88	120,000	38,000	1,400	5,500
Butylbenzylphthalate			1,300	430	490	1,600 U	59 U	90 U	1,800	1,100	140
Diethylphthalate			140 U	140 U	390 U	1,600 U	59 U	90 U	42 U	20 U	35 U
Dimethylphthalate			280	850	620	1,600 U	59 U	90 U	1,900	44	35 U
Di-n-butylphthalate			140 U	140 U	1,200	1,600 U	59 U	90 U	360 B	54 B	63 B
Di-n-octylphthalate			140 U	140 U	1,200	1,600 U	59 U	4,000	1,800	79	35 U
PCBs (ug/kg DW)											
Aroclor 1016			20 U	20 U	58 U	47 U	19 U	99 U	98 U	98 U	99 U
Aroclor 1242			20 U	20 U	58 U	47 U	19 U	99 U	98 U	98 U	99 U
Aroclor 1248			20 U	20 U	58 U	47 U	19 U	99 U	98 U	98 U	99 U
Aroclor 1254			20 U	49 Y	170	250	250	160	98 U	98 U	99 U
Aroclor 1260			20 U	180	300	430	77 Y	140	98 U	98 U	99 U
Aroclor 1221			20 U	20 U	58 U	47 U	19 U	99 U	98 U	98 U	99 U
Aroclor 1232			20 U	20 U	58 U	47 U	19 U	99 U	98 U	98 U	99 U
Total PCBs			20 U	180	470	680	250	300	98 U	98 U	99 U
TPH (mg/kg)											
Diesel			180	85	950	1,900	98	6,000	1,200	68	280
Motor Oil			650	790	4,700	4,600	210	13,000	2,300	450	1,500

Detected values shown in bold type.

U = Chemical not detected at reported concentration

Y = Chemical not detected at the reported concentration. Reporting limit raised due to chromatograhic interference.

P = Chemical detected on both chromatographic columns, but values differ by >40% RPD with no obvious interference.

M = Estimated value. Analyte detected and confirmed by analyst, but spectral match patterns are low.

J = Chemical concentration is reported as estimate.

B = Chemical detected in laboratory blank.

Exceeds SQS

Exceeds CSL or MTCA Method A soil cleanup level

KCSlip4 56321
SEA422642

Table 6: Slip 4 Drainage Basin Catch Basin and Sediment Samples Compared to Sediment Management Standards
(Source: Integral 2005a).

	SQS	CSL	CB37	CB44	CB45	CB46	CB48	CB79	CB80	RCB49	S1
Date			6/22/04	12/6/04	12/22/04	12/22/04	2/20/05	11/9/05	11/9/05	11/8/05	11/9/05
TOC (percent)			4.74	24.6	9.74	10.4	1.57	6.42	2.68	4.06	3.1
Metals (mg/kg DW)											
As	57	93	20 U	12	20	20	12	30	6 U	20 U	11
Cu	390	390	173	142	6,320	5,660	52	207	85.2	85	69.9
Pb	450	530	250	123	481	396	343	114	29	79	73
Hg	0.41	0.59	0.08	0.12	0.30	0.20	0.32	0.2	0.05 U	0.05 U	0.14
Zn	410	960	1,220	624	3,420	3,530	657	758	268	357	172
LPAH (mg/kg OC)											
Acenaphthene	16	57	4	1 U	8	15 U	8	1 U	2	0.5 U	1 U
Acenaphthylene	66	66	3 U	1 U	4 U	15 U	4 U	1 U	2 U	0.5 U	1 U
Anthracene	220	1,200	17	1 U	22	48	7	100	3 M	0.4 J	1 J
Fluorene	23	79	7	1 U	13		8	20	13	0.5 U	1 U
Naphthalene	99	170	3 U	1 U	4 U	15 U	30	2	3	0.5 U	1 U
Phenanthrene	100	480	63	1	175	337	197	26	41	2	3
HPAH (mg/kg OC)											
Benzo(a)anthracene	110	270	13	1 U	133	260	83	11	6	1	3
Benzo(a)pyrene	99	210	4	1 U	154	308	89	13	6	3	5
Benzo(b)fluoranthene	---	---	10	1	154	327	197	19	9 M	5	8
Benzo(k)fluoranthene	---	---	7	1	154	327	96	20	9 M	4	6
Benzo(b+k)fluoranthenes	230	450	17	1	308	654	293	39	18 M	9	14
Benzo(g,h,i)perylene	31	78	3 U	1 U	75	154	42	9	5	3	3
Chrysene	110	460	21	1	205	413	134	28	15	3	5
Dibenzo(a,h)anthracene	12	33	3 U	1 U	26	52	6	2	2 U	0 J	1
Fluoranthene	160	1,200	76	2	318	817	299	26	13	4	6
Indeno(1,2,3-c,d)pyrene	34	88	3 U	1 U	88	183	60	6	2	1	2
Pyrene	1,000	1,400	55	1	236	471	197	83	37	4	9
Phthalates (mg/kg OC)											
Bis(2-ethylhexyl)phthalate	47	78	34	16	90	288	6	1,869	1,418	34	177
Butylbenzylphthalate	5	64	27	2	5	15 U	4 U	1 U	67	27	5
Diethylphthalate	61	110	3 U	1 U	4 U	15 U	4 U	1 U	2 U	0.5 U	1 U
Dimethylphthalate	53	53	6	3	6	15 U	4 U	1 U	71	1	1 U
Di-n-butylphthalate	220	1,700	3 U	1 U	12	15 U	4 U	1 U	13 B	1 B	2 B
Di-n-octylphthalate	58	4,500	3	1	12	15	4	62	67	2	1 U
PCBs (mg/kg OC)											
Aroclor 1016			0.4 U	0.1 U	0.6 U	0.5 U	1.2 U	1.5 U	3.7 U	2.4 U	3.2 U
Aroclor 1242			0.4 U	0.1 U	0.6 U	0.5 U	1.2 U	1.5 U	3.7 U	2.4 U	3.2 U
Aroclor 1248			0.4 U	0.1 U	0.6 U	0.5 U	1.2 U	1.5 U	3.7 U	2.4 U	3.2 U
Aroclor 1254			0.4 U	0.2 Y	1.7	2.4	15.9	2.5	3.7 U	2.4 U	3.2 U
Aroclor 1260			0.4 U	0.7	3.1	4.1	4.9 Y	2.2	3.7 U	2.4 U	3.2 U
Aroclor 1221			0.4 U	0.1 U	0.6 U	0.5 U	1.2 U	1.5 U	3.7 U	2.4 U	3.2 U
Aroclor 1232			0.4 U	0.1 U	0.6 U	0.5 U	1.2 U	1.5 U	3.7 U	2.4 U	3.2 U
Total Aroclor	12	65	0.4 U	0.7	4.8	6.5	15.9	4.7	3.7 U	2.4 U	3.2 U
TPH (mg/kg)											
Diesel	2,000[a]		180	85	950	1,900	98	6,000	1,200	68	280
Motor Oil	2,000[a]		650	790	4,700	4,600	210	13,000	2,300	450	1,500

Detected values shown in bold type.

[a]MTCA Method A soil cleanup level for unrestricted use.

U = Chemical not detected at reported concentration

Y = Chemical not detected at the reported concentration. Reporting limit raised due to chromatographic interference.

M = Estimated value. Analyte detected and confirmed by analyst, but spectral match patterns are low.

J = Chemical concentration is reported as estimate.

B = Chemical detected in laboratory blank.

Exceeds SQS

Exceeds CSL or MTCA Method A soil cleanup level

KCSlip4 56322
SEA422643