Annex Table A

CRESCENT WATER COLORIMETRIC RESULTS

Samples collected November 22, 2006; processed December 5-7, 2006

All values in parts per million (ppm) except salinity in parts per thousand (ppt); samples appear here in the order they were tested

Station.		*pH*	*Salinity*	*NO_3*	*$P0_4$*	*Fe*	*Cu*	*Hg*	*Pb*	*Cl*	*Cd*	*Mn*
	Blank	6.95	0	0	0.08	0	0.04	0	0	0.01	0.15	0
	Blank	6.85	0	0	0.07	0.06	0	0	0	0.01	0.12	0
1	W Beach	6.76	0	0	0.22	0.22	0.13	0	0.1	0.04	0.28	0.16
1	W Beach	6.92	0	0	0.18	0.21	0.10	0	0.1	0.05	0.26	0.20
2	E Beach	7.34	0	1.12	0.15	0.09	0.05	0	0.1	0.08	0.21	0.16
2	E Beach	7.57	0	1.07	0.15	0.08	0.03	0	0.1	0.06	0.26	0.14
5	Opalco S	5.17	0	0	0.03	0.91	0.33	0	0	0.15	0.38	0.13
5	Opalco S	5.34	0	0	0.05	0.85	0.33	0	0	0.14	0.58	0.14
7	Kayak	6.46	7	1.46	0.22	0.12	0.11	0	0.2	0.07	0.34	0.18
7	Kayak	6.30	6	1.68	0.19	0.15	0.11	0	0.1	0.11	0.37	0.19

Annex Table B

CRESCENT WATER COLORIMETRIC RESULTS: **(1) Mean results for each station**

Samples collected November 22, 2006; processed December 5-7, 2006

All values in parts per million (ppm) except salinity in parts per thousand (ppt); samples appear here in the order they were tested

Station.		*pH*	*Salinity*	*NO_3*	*$P0_4$*	*Fe*	*Cu*	*Hg*	*Pb*	*Cl*	*Cd*	*Mn*
	Blank	6.90	0	0	0.08	0.03	0.02	0	0	0.01	0.14	0
1	W Beach	6.84	0	0	0.20	0.22	0.12	0	0.1	0.04	0.27	0.18
2	E Beach	7.46	0	1.10	0.15	0.08	0.04	0	0.1	0.07	0.24	0.15
5	Opalco S	5.26	0	0	0.04	0.88	0.33	0	0	0.14	0.48	0.14
7	Kayak	6.38	6	1.57	0.20	0.14	0.11	0	0.2	0.09	0.36	0.18
1-7	MEAN	6.48	1.5	0.68	0.15	0.33	0.15	0	0.1	0.08	0.34	0.16

(2) Adjusted minimum results*

Station.		*pH*	*Salinity*	*NO_3*	*$P0_4$*	*Fe*	*Cu*	*Hg*	*Pb*	*Cl*	*Cd*	*Mn*
1	W Beach	6.84	0	0	0.10	0.16	0.08	0	0.08	0.01	0.05	0.16
2	E Beach	7.46	0	1.05	0.05	0.02	0	0	0.08	0.04	0.03	0.13
5	Opalco S	5.26	0	0	0	0.82	0.29	0	0	0.11	0.27	0.12
7	Kayak	6.38	6	1.52	0.10	0.08	0.07	0	0.12	0.06	0.15	0.16
1-7	MEAN	6.48	1.5	0.64	0.06	0.27	0.11	0	0.07	0.06	0.12	0.14

* For contaminants, mean results minus (mean reagent blank results + mean error).

Annex Table C

CRESCENT WATER COLORIMETRIC RESULTS: Observed errors of measurement
Samples collected November 22, 2006; processed December 5-7, 2006

All values in parts per million (ppm) except salinity in parts per thousand (ppt); samples appear here in the order they were tested

Station.		*pH*	*Salinity*	*NO_3*	*$P0_4$*	*Fe*	*Cu*	*Hg*	*Pb*	*Cl*	*Cd*	*Mn*
	Blank	0.10	0	0	0.01	0.06	0.04	0	0	0	0.03	0
1	W Beach	0.16	0	0	0.04	0.01	0.03	0	0	0.01	0.02	0.04
2	E Beach	0.23	0	0.05	0	0.01	0.02	0	0	0.02	0.05	0.02
5	Opalco S	0.17	0	0	0.02	0.06	0	0	0	0.01	0.20	0.01
7	Kayak	0.16	1	0.22	0.03	0.03	0	0	0.1	0.04	0.03	0.01
Mean error		0.16	0.2	0.05	0.02	0.03	0.02	0	0.02	0.02	0.07	0.02
SD of errors		0.05	0.4	0.10	0.02	0.03	0.02	0	0.04	0.02	0.08	0.02

Annex Table D

CRESCENT WATER LIQUID CHROMATOGRAPHY (HPLC) RESULTS

HPLC retention times (minutes) of standards and samples for different mobile phase compositions

ANALYTE (pages in J. Bell lab notebook)	Percentage of each component, ACN = acetonitrile)			
	30/70 water/ACN	20/80 water/ACN	10/90 water/ACN	100% ACN
Naphthalene standard (p. 38, 44)		2.5'	1.8'	
PCB standard (p. 37, 38) - a mixture congeners	5.8, 7.1, 18.7, 23.6 (minor), 41' (major)	3.5, 4.2, 11.3, 12.3 (minor), 17.1' (major)		
alpha-Chlordane standard (p. 43)			3.5'	
Pentachlorophenol standard (p. 43)	Retained on column*			
2,4-Dichlorophenoxyacetic acid (p. 43)	Retained on column*			
Peak 1, sediment 1205a (pp. 34, 39, 42), 1205b (p. 44), 1126 and 1322 (p. 48)	4.3'	2.0'	1.3'	1.1'
Peak 2, sediment 1205a (p. 42), 1205b (p. 44), 1126 and 1322 (p. 48)	25.8'	19.3'	10.6'	5.6'

* Acidified mobile phases required to elute these acidic compounds.

Annex Table E

INVENTORY OF SPECIMENS COLLECTED FOR HPLC ANALYSIS July and November 2006

Numbers in the table correspond with numbers on specimen containers stored at Friday Harbor Laboratories

Sampling station		*July19 collection*		*November 22 collection*		
		Surface water	*Sediment*	*Surface water*	*Sediment*	*Sedge*
1	W Beach		51	1023, 1127	1126, 1202,	1004, 1203
2	E Beach	21, 22, 23	25	1204, 1206	1205, 1322	1021, 1201
5	Opalco S		61, 62	1024, 1321	1001, 1003	1102, 1323
7	Kayak			1002, 1103	1022, 1101	1125, 1324
8	Oyster farm	31, 32, 33				
9	Outlook Inn	71, 73				

All specimens in EPA-certified contaminant free 125-ml glass tubes with Nalgene caps; except July sediment samples, which are stored in sealed plastic storage bags

Annex Table F

CRESCENT WATER PRELIMINARY COLORIMETRIC RESULTS: Unadjusted except as indicated
Samples (N=14) collected April 24-May 23, 2006 and processed as collected

	Units	*Mean* results, by station						*Highest* result, by station					
		1	2	3	5	7	8	1	2	3	5	7	8
N		3	4	2	2	2	1	3	4	2	2	2	1
Salinity	ppt	0	0	0	0	3	0	0	0	0	0	3	0
Acidity	pH	7.28	7.63	6.80	6.59	6.98	7.82	7.35	7.71	6.83	6.62	7.00	7.82
Nitrates	ppm	0.11	2.27	0.18	0	0.06	1.06	0.31	5.41	0.22	0	0.13	1.06
Phosphates	ppm	0.87	0.41	0.22	0.19	0.99	0.09	1.80	0.96	0.26	0.27	1.85	0.09
Sulfides	ppm	0	0	0.05	0	0	0	0	0	0.10	0	0	0
Chlorine	ppm	0.14	0.19	0.12	0.25	0.09	0.07	0.19	0.18	0.18	0.25	0.15	0.07
Iron	ppm	1.11	0.21	3.80	2.52	0.79	0.76	2.06	0.27	3.91	2.96	0.88	0.76
Copper	ppm	0.09	0.04	0.06	0.24	0.18	0.03	0.14	0.05	0.10	0.26	0.18	0.03
Manganese	ppm	0.56	0.09	-	0.31	0.26	0.18	0.56	0.27	-	0.46	0.26	0.18
Cadmium*	ppm	0	0	-	0.41	0.01	0.07	0.02	0	-	0.48	0.02	0.07
Mercury	ppm	0.01	0.01	0	0	0	0	0.03	0.02	0	0	0	0
Lead	ppm	0.07	0.05	0	0.05	0	0	0.1	0.1	0	0.1	0	0
FECs	/ml	0.4	1.7	0.1	0.2	0.2	0	0.7	5	0.1	0.4	0.4	0

*Adjusted by subtraction of manganese and correction for reagent blank.

Annex Table F

WEEKS WETLAND WATER PRELIMINARY COLORIMETRIC RESULTS: Unadjusted except as indicated
Samples (N=14) collected March 29-April 26, 2006 and processed as collected

	Units	*Mean* results, by station						*Highest* result, by station					
		1	5	6	7	8	9	1	5	6	7	8	9
N		4	6	1	1	1	1	4	6	1	1	1	1
Salinity	ppt	0	21	0	3	22	0	0	26	0	3	22	0
Acidity	pH	7.39	6.81	6.27	6.23	6.49	6.96	7.73	7.48	6.27	6.23	6.49	6.96
Nitrates	ppm	0.41	0.22	0	0.22	0	0	1.28	0.79	0	0.22	0	0
Phosphates	ppm	0.22	2.39	2.40	0	0	9.04	0.7	3.8	2.40	0	0	9.04
Sulfides	ppm	0.01	0.04	0.01	0	0.02	0	0.02	0.2	0.01	0	0.02	0
Chlorine	ppm	0.17	0.21	0.02	0.02	0	0.09	0.26	0.59	0.02	0.02	0	0.09
Iron	ppm	0.26	8.05	3.39	1.93	4.89	17.04	0.49	13.0	3.39	1.93	4.89	17.04
Copper	ppm	0.14	0.48	0.17	0	0.25	0.26	0.29	1.43	0.17	0	0.25	0.26
Manganese	ppm	-	0.32	-	-	-	0.44	-	0.32	-	-	-	0.44
Cadmium*	ppm	0.85	0.52	-	-	-	0	0.85	0.52	-	-	-	0
Mercury	ppm	0	0	0	0	0	0	0	0.02	0	0	0	0
Lead	ppm	.08	0.06	0	0.1	0	0	0.1	0.1	0	0.1	0	0
FECs	/ml	2.9	0.1	2.0	1.1	0.6	0	11.6	0.4	2.0	1.1	0.6	0

*Adjusted by subtraction of manganese and correction for reagent blank.