

## **VI. Appendices**

Appendix A. Water quality data

Appendix B. Deposition flux data

Appendix C. Settling velocity data

## Appendix A. Water quality data

Table A-1: Approximate measurement times

Location	Date						
	7/27/00 (Spring - 3)	8/16/00 (Spring + 2)	8/31/00 (Spring + 3)	9/14/00 (Spring + 1)	9/28/00 (Spring + 1)	10/19/00 (Neap + 0)	11/9/00 (Spring - 2)
LT. 38 <sup>1</sup>	13:30	9:35	11:00	9:05	9:30	9:10	6:25
LT. 38 <sup>2</sup>	18:55	16:25	17:15	17:00	16:40	14:35	12:45
LT. 38 <sup>3</sup>	0:30	23:10	11:35	23:45			
LT. 38 <sup>4</sup>	6:30	16:40	5:00	4:30			
LT. 43 <sup>1</sup>	13:55	9:55	11:20	9:25	9:55	9:40	6:45
LT. 43 <sup>2</sup>	19:20	16:50	17:40	17:20	17:20	15:00	13:05
LT. 43 <sup>3</sup>	0:55	23:35	0:05	0:10			
LT. 43 <sup>4</sup>	6:45	17:00	5:25	4:50			
LT. 48 <sup>1</sup>	14:30	10:15	11:45	9:50	10:25	10:05	7:05
LT. 48 <sup>2</sup>	17:35	17:15	18:05	17:45	17:35	15:20	13:30
LT. 48 <sup>3</sup>	1:20	23:55	0:30	0:35			
LT. 48 <sup>4</sup>	7:10	17:25	5:45	5:15			

Hatched area indicate composite samples or experiment not performed for that date.

Table A-2: Field water temperature measurements  
Units = °C

Location	Depth (ft)	Date						
		7/26/00 (Spring - 3)	8/16/00 (Spring + 2)	8/31/00 (Spring + 3)	9/14/00 (Spring + 1)	9/28/00 (Spring + 1)	10/19/00 (Neap + 0)	11/9/00 (Spring - 2)
LT. 38 <sup>1</sup>	8.2	25.20	25.37	22.72	22.66	21.94	18.27	14.03
	16.4	25.12	25.36	22.64	22.45	21.89	18.23	14.01
	24.6	25.13	25.36	22.52	22.43	21.89	18.22	14.01
	B	25.12	25.36	22.51	22.42	21.89	18.00	14.01
LT. 38 <sup>2</sup>	8.2	25.58	25.44	22.48	22.96	22.36	18.46	14.10
	16.4	25.26	25.41	22.49	22.79	22.24	18.40	14.16
	24.6	25.21	25.40	22.47	22.54	22.08	18.39	14.13
	B	25.18	25.40	22.43	22.48	21.97	18.36	14.14
LT. 38 <sup>3</sup>	8.2	25.35	25.58	22.94	22.70			
	16.4	25.25	25.47	22.43	22.69			
	24.6	25.09	25.45	22.43	22.68			
	B	25.08	25.44	22.42	22.69			
LT. 38 <sup>4</sup>	8.2	25.47	25.67	22.65	22.58			
	16.4	25.28	25.53	22.88	22.57			
	24.6	25.09	25.47	22.85	22.57			
	B	25.09	25.46	22.85	22.58			
LT. 43 <sup>1</sup>	8.2	25.60	25.48	22.38	22.71	21.87	18.35	13.96
	16.4	25.27	25.45	22.36	22.53	21.82	18.34	13.90
	24.6	25.02	25.47	22.20	22.43	21.81	18.36	13.89
	B	---	25.46	22.06	22.38	21.81	18.36	13.90
LT. 43 <sup>2</sup>	8.2	25.60	25.63	22.44	23.02	22.40	18.67	14.03
	16.4	25.40	25.56	22.49	22.86	22.01	18.49	14.07
	24.6	25.30	25.54	22.23	22.60	21.73	18.46	13.93
	B	---	25.54	22.65	22.40	21.59	18.46	13.83
LT. 43 <sup>3</sup>	8.2	25.77	25.69	22.24	22.77			
	16.4	25.35	25.63	22.23	22.77			
	24.6	25.02	25.60	21.65	22.74			
	B	---	25.59	21.47	22.67			
LT. 43 <sup>4</sup>	8.2	25.59	25.74	22.09	22.59			
	16.4	25.30	25.64	22.11	22.59			
	24.6	25.16	25.60	21.96	22.61			
	B	---	25.56	21.78	22.61			
LT. 48 <sup>1</sup>	8.2	25.17	25.40	27.29	22.44	21.48	18.48	13.63
	16.4	25.03	25.64	22.29	22.43	21.52	18.48	13.61
	24.6	24.86	25.67	21.88	22.45	21.49	18.48	13.60
	B	24.86	25.62	---	22.42	21.49	18.45	13.60
LT. 48 <sup>2</sup>	8.2	25.67	25.66	22.40	23.05	22.06	18.65	13.79
	16.4	25.28	25.69	21.50	22.79	21.49	18.58	13.77
	24.6	25.07	25.66	21.26	23.60	21.35	18.58	13.76
	B	---	25.66	21.33	22.45	21.33	18.58	13.69
LT. 48 <sup>3</sup>	8.2	25.47	25.81	21.74	22.06			
	16.4	25.27	25.79	21.84	22.60			
	24.6	25.19	25.78	21.63	22.67			
	B	---	25.71	21.57	22.67			
LT. 48 <sup>4</sup>	8.2	25.54	26.19	21.72	22.57			
	16.4	25.38	25.84	21.58	22.58			
	24.6	25.30	25.78	21.43	22.56			
	B	25.28	25.77	21.24	22.54			

<sup>1,2,3,4</sup> – See tidal stage chart.

Hatched area indicate composite samples or experiment not performed for that date

Table A-3: Field electrical conductivity measurements in the DWSC.

Units =  $\mu\text{mho/cm}$  (not adjusted for temperature)

Location	Depth (ft)	Date						
		7/26/00 (Spring - 3)	8/16/00 (Spring + 2)	8/31/00 (Spring + 3)	9/14/00 (Spring + 1)	9/28/00 (Spring + 1)	10/19/00 (Neap + 0)	11/9/00 (Spring - 2)
LT. 38 <sup>1</sup>	8.2	625	605	420	509	435	489	562
	16.4	628	606	419	507	435	503	562
	24.6	627	606	418	505	435	501	562
	B	630	606	418	504	435	501	561
LT. 38 <sup>2</sup>	8.2	629	612	420	511	449	491	530
	16.4	624	611	420	510	447	490	531
	24.6	625	611	420	510	446	490	531
	B	626	611	421	509	445	492	534
LT. 38 <sup>3</sup>	8.2	628	618	421	505			
	16.4	627	613	420	504			
	24.6	627	612	436	503			
	B	627	612	441	503			
LT. 38 <sup>4</sup>	8.2	628	608	422	498			
	16.4	629	607	424	500			
	24.6	632	609	424	500			
	B	633	609	423	500			
LT. 43 <sup>1</sup>	8.2	630	616	414	500	428	502	610
	16.4	624	614	414	496	427	504	606
	24.6	636	616	416	493	427	509	604
	B	---	615	410	493	425	516	605
LT. 43 <sup>2</sup>	8.2	630	662	427	506	447	528	578
	16.4	626	621	431	501	445	533	584
	24.6	620	613	433	496	429	532	596
	B	---	611	422	493	418	531	609
LT. 43 <sup>3</sup>	8.2	628	623	416	498			
	16.4	622	623	416	498			
	24.6	611	626	408	498			
	B	---	626	407	498			
LT. 43 <sup>4</sup>	8.2	625	616	418	498			
	16.4	620	621	419	498			
	24.6	615	623	419	497			
	B	---	614	419	498			
LT. 48 <sup>1</sup>	8.2	612	620	424	502	407	533	643
	16.4	604	596	423	502	408	533	665
	24.6	581	619	413	495	407	532	662
	B	581	585	---	495	407	533	671
LT. 48 <sup>2</sup>	8.2	620	638	434	492	428	554	655
	16.4	608	660	407	486	424	554	654
	24.6	600	664	403	485	426	553	653
	B	---	661	402	481	426	551	655
LT. 48 <sup>3</sup>	8.2	587	618	411	475			
	16.4	578	621	411	476			
	24.6	574	627	413	475			
	B	---	623	416	476			
LT. 48 <sup>4</sup>	8.2	598	647	417	492			
	16.4	588	646	428	492			
	24.6	578	643	429	490			
	B	579	649	423	490			

<sup>1,2,3,4</sup> - See tidal stage chart.

Hatched area indicate composite samples or experiment not performed for that date

Table A-4: Field pH measurements in the DWSC

Location	Depth (ft)	Date						
		7/26/00 (Spring - 3)	8/16/00 (Spring + 2)	8/31/00 (Spring + 3)	9/14/00 (Spring + 1)	9/28/00 (Spring + 1)	10/19/00 (Neap + 0)	11/9/00 (Spring - 2)
LT. 38 <sup>1</sup>	8.2	7.2	7.5	7.1	7.3	7.4	7.5	7.6
	16.4	7.2	7.3	7.4	7.2	7.3	7.4	7.6
	24.6	---	7.3	7.4	7.0	7.3	7.4	7.5
	B	---	7.3	7.3	7.6	7.2	7.4	7.5
LT. 38 <sup>2</sup>	8.2	6.9	7.5	7.6	7.7	7.6	7.5	7.5
	16.4	---	7.4	7.7	7.6	7.5	7.5	7.5
	24.6	---	7.3	7.6	7.5	7.3	7.5	7.5
	B	---	7.3	7.6	7.5	7.3	7.5	7.5
LT. 38 <sup>3</sup>	8.2	---	7.5	7.5	7.8			
	16.4	---	7.3	7.6	7.7			
	24.6	---	7.3	7.5	7.7			
	B	---	7.3	7.5	7.6			
LT. 38 <sup>4</sup>	8.2	---	7.5	7.4	7.9			
	16.4	---	7.3	7.6	7.8			
	24.6	---	7.2	7.6	7.7			
	B	---	7.2	7.5	7.7			
LT. 43 <sup>1</sup>	8.2	---	7.6	7.5	7.6	7.6	7.6	7.6
	16.4	---	7.4	6.4	7.7	7.5	7.5	7.6
	24.6	---	7.3	6.9	7.7	7.4	7.5	7.5
	B	---	7.3	7.1	7.7	7.4	7.5	7.5
LT. 43 <sup>2</sup>	8.2	---	7.5	7.7	8.0	7.7	7.6	7.6
	16.4	---	7.4	7.7	8.0	7.6	7.5	7.5
	24.6	---	7.4	7.6	7.9	7.5	7.5	7.5
	B	---	7.4	7.6	7.8	7.5	7.5	7.5
LT. 43 <sup>3</sup>	8.2	---	7.7	7.7	8.0			
	16.4	---	7.4	7.8	7.9			
	24.6	---	7.4	7.7	7.8			
	B	---	7.3	7.6	7.8			
LT. 43 <sup>4</sup>	8.2	---	7.6	7.6	7.8			
	16.4	---	7.3	7.7	7.8			
	24.6	---	7.3	7.6	7.7			
	B	---	7.3	7.6	7.7			
LT. 48 <sup>1</sup>	8.2	---	7.5	0.0	7.5	7.7	7.7	7.7
	16.4	---	7.4	7.6	7.5	7.6	7.7	7.6
	24.6	---	7.4	7.6	7.6	7.6	7.6	7.6
	B	---	7.2	0.0	7.6	7.5	7.6	7.5
LT. 48 <sup>2</sup>	8.2	---	7.7	7.3	8.0	8.9	7.6	7.6
	16.4	---	7.4	7.7	7.9	7.8	7.6	7.5
	24.6	---	7.3	7.7	7.6	7.7	7.5	7.5
	B	---	7.3	7.7	7.4	7.7	7.5	7.5
LT. 48 <sup>3</sup>	8.2	---	7.9	7.6	8.0			
	16.4	---	7.7	8.0	8.0			
	24.6	---	7.7	7.9	7.9			
	B	---	7.5	7.8	7.9			
LT. 48 <sup>4</sup>	8.2	---	7.7	8.0	7.8			
	16.4	---	7.3	7.8	7.8			
	24.6	---	7.3	7.7	7.7			
	B	---	7.3	7.6	7.7			

<sup>1,2,3,4</sup> - See tidal stage chart.

Hatched area indicate composite samples or experiment not performed for that date

Table A-5: Field dissolved oxygen measurements in the DWSC

Units = mg/L

Location	Depth (ft)	Date						
		7/26/00 (Spring - 3)	8/16/00 (Spring + 2)	8/31/00 (Spring + 3)	9/14/00 (Spring + 1)	9/28/00 (Spring + 1)	10/19/00 (Neap + 0)	11/9/00 (Spring - 2)
LT. 38 <sup>1</sup>	8.2	5.04	4.80	5.60	7.60	6.44	6.98	7.93
	16.4	4.80	4.60	5.60	7.50	6.36	6.87	7.84
	24.6	4.70	4.60	5.60	7.50	6.33	6.85	7.83
	B	4.60	4.50	5.50	6.90	6.31	6.85	7.83
LT. 38 <sup>2</sup>	8.2	5.70	4.70	5.70	6.80	6.75	6.75	8.03
	16.4	5.00	4.50	5.60	6.70	6.64	6.64	7.94
	24.6	4.80	4.40	5.50	6.50	6.36	6.36	7.87
	B	4.60	4.40	5.50	6.50	6.16	6.16	7.86
LT. 38 <sup>3</sup>	8.2	5.00	5.20	5.70	7.00			
	16.4	4.70	4.80	5.60	6.80			
	24.6	4.40	4.70	5.50	6.70			
	B	4.35	4.60	5.50	6.70			
LT. 38 <sup>4</sup>	8.2	5.40	4.90	5.40	6.40			
	16.4	4.60	4.50	5.80	6.30			
	24.6	4.20	4.30	5.70	6.30			
	B	4.20	4.30	5.70	6.30			
LT. 43 <sup>1</sup>	8.2	5.70	5.00	6.20	8.70	7.24	7.24	7.88
	16.4	4.80	4.90	6.10	8.20	7.28	7.28	7.88
	24.6	4.30	4.60	6.10	7.60	7.18	7.18	7.86
	B	---	4.60	6.05	7.20	6.65	6.65	7.85
LT. 43 <sup>2</sup>	8.2	5.50	5.60	6.10	8.50	8.33	8.33	7.85
	16.4	5.00	5.40	6.10	8.20	7.44	7.44	7.82
	24.6	4.60	5.20	5.80	8.00	7.12	7.12	7.78
	B	---	5.30	5.40	7.80	7.28	7.28	7.70
LT. 43 <sup>3</sup>	8.2	6.20	5.70	6.20	8.10			
	16.4	4.70	5.20	6.20	8.10			
	24.6	4.10	4.60	6.80	7.90			
	B	---	4.50	6.80	7.60			
LT. 43 <sup>4</sup>	8.2	5.80	5.80	5.80	7.30			
	16.4	4.90	5.10	5.80	7.30			
	24.6	4.00	4.70	5.90	7.20			
	B	---	4.50	6.10	7.20			
LT. 48 <sup>1</sup>	8.2	5.20	6.30	6.35	8.40	7.84	7.84	8.32
	16.4	5.10	5.80	6.27	8.30	7.81	7.81	8.34
	24.6	5.60	5.80	6.48	8.30	7.79	7.79	8.35
	B	5.60	4.60	---	8.30	7.74	7.74	8.30
LT. 48 <sup>2</sup>	8.2	6.20	5.90	7.00	9.40	8.74	8.74	8.37
	16.4	5.40	6.10	7.70	8.90	8.27	8.27	8.21
	24.6	4.10	6.00	7.90	8.50	8.27	8.27	8.21
	B	---	6.00	7.70	8.20	8.18	8.18	8.18
LT. 48 <sup>3</sup>	8.2	6.70	8.20	7.30	8.40			
	16.4	6.10	8.05	7.20	8.30			
	24.6	6.00	7.80	7.50	8.30			
	B	---	6.50	7.60	8.30			
LT. 48 <sup>4</sup>	8.2	6.80	7.60	6.70	7.80			
	16.4	6.70	6.80	7.20	7.80			
	24.6	6.40	7.20	7.30	7.70			
	B	6.20	6.80	7.50	7.70			

<sup>1,2,3,4</sup> - See tidal stage chart.

Hatched area indicate composite samples or experiment not performed for that date

Table A-6: Field measurements of turbidity in the DWSC.

Units = NTU

Location	Depth (ft)	Date						
		7/26/00 (Spring - 3)	8/16/00 (Spring + 2)	8/31/00 (Spring + 3)	9/14/00 (Spring + 1)	9/28/00 (Spring + 1)	10/19/00 (Neap + 0)	11/9/00 (Spring - 2)
LT. 38 <sup>1</sup>	8.2	18	22	60	25	21	20	14
	16.4	26	25	37	23	22	20	15
	24.6	28	29	35	30	22	20	16
	B	28	33	31	41	32	22	17
LT. 38 <sup>2</sup>	8.2	24	23	27	22	19	20	16
	16.4	22	29	24	23	21	18	14
	24.6	20	34	23	29	19	20	14
	B	25	37	25	31	23	23	15
LT. 38 <sup>3</sup>	8.2	22	20	27	25			
	16.4	21	25	26	27			
	24.6	27	28	28	31			
	B	27	29	33	38			
LT. 38 <sup>4</sup>	8.2	22	23	40	22			
	16.4	21	22	33	20			
	24.6	24	24	31	18			
	B	28	24	35	19			
LT. 43 <sup>1</sup>	8.2	20	25	23	18	21	21	18
	16.4	20	24	26	20	19	19	17
	24.6	29	47	34	36	20	23	17
	B	---	48	60	56	38	26	18
LT. 43 <sup>2</sup>	8.2	20	18	22	20	17	16	17
	16.4	19	28	24	21	18	16	17
	24.6	20	30	40	26	23	22	18
	B	---	33	40	36	36	30	24
LT. 43 <sup>3</sup>	8.2	18	21	20	22			
	16.4	20	33	19	20			
	24.6	41	51	30	23			
	B	---	65	50	30			
LT. 43 <sup>4</sup>	8.2	15	17	22	21			
	16.4	18	23	23	21			
	24.6	29	31	27	23			
	B	---	40	34	26			
LT. 48 <sup>1</sup>	8.2	22	24	17	26	27	19	20
	16.4	24	30	18	30	23	20	26
	24.6	32	40	35	25	28	23	24
	B	29	57	36	38	28	33	24
LT. 48 <sup>2</sup>	8.2	18	23	18	20	16	21	20
	16.4	18	25	20	18	18	20	20
	24.6	25	28	23	20	19	22	19
	B	---	31	26	21	23	25	24
LT. 48 <sup>3</sup>	8.2	24	28	24	29			
	16.4	26	32	22	31			
	24.6	32	32	22	34			
	B	---	32	28	42			
LT. 48 <sup>4</sup>	8.2	18	18	20	20			
	16.4	22	21	19	20			
	24.6	26	23	22	22			
	B	32	29	37	25			

<sup>1,2,3,4</sup> - See tidal stage chart.

Hatched area indicate composite samples or experiment not performed for that date

Table A-7: Secchi depth measurements in the DWSC.

Units = ft

Location	Depth (ft)	Date						
		7/26/00 (Spring - 3)	8/16/00 (Spring + 2)	8/31/00 (Spring + 3)	9/14/00 (Spring + 1)	9/28/00 (Spring + 1)	10/19/00 (Neap + 0)	11/9/00 (Spring - 2)
LT. 38 <sup>1</sup>	---	1.8	1.6	1.4	1.5	1.7	2.0	2.8
LT. 38 <sup>2</sup>	---	1.8	1.9	---	1.6	1.8	2.2	---
LT. 38 <sup>3</sup>	---	1.8	1.8	1.3	---			
LT. 38 <sup>4</sup>	---	---	1.4	0.0	1.4			
LT. 43 <sup>1</sup>	---	2.0	1.7	1.6	2.0	1.8	2.0	2.0
LT. 43 <sup>2</sup>	---	1.8	2.0	1.6	1.8	1.7	2.4	---
LT. 43 <sup>3</sup>	---	1.8	1.8	---	---			
LT. 43 <sup>4</sup>	---	---	1.4	1.5	---			
LT. 48 <sup>1</sup>	---	1.7	1.5	1.6	1.7	1.7	2.0	1.5
LT. 48 <sup>2</sup>	---	1.9	1.8	---	1.5	1.8	1.6	2.0
LT. 48 <sup>3</sup>	---	1.8	1.4	---	---			
LT. 48 <sup>4</sup>	---	---	1.8	1.5	---			

<sup>1,2,3,4</sup> - See tidal stage chart.

Hatched area indicate composite samples or experiment not performed for that date

Table A-8: TSS concentrations (mg/L) in the DWSC.

Location	Depth (ft)	Date						
		7/27/00 (Spring - 3)	8/16/00 (Spring + 2)	8/31/00 (Spring + 3)	9/14/00 (Spring + 1)	9/28/00 (Spring + 1)	10/19/00 (Neap + 0)	11/9/00 (Spring - 2)
LT. 38 <sup>1</sup>	8.2	18.4	19.6	28.0	20.6	18.4	16.4	13.3
	16.4	21.6	24.4	30.4	32.8	20.6	20.0	13.8
	24.6	24.8	28.8	32.8	30.8	25.0	22.4	15.1
	B	30.4	30.0	38.8	33.6	26.6	23.4	15.4
LT. 38 <sup>2</sup>	8.2					9.2	15.4	13.5
	16.4					15.0	18.2	13.9
	24.6					18.6	19.0	15.9
	B					22.0	21.0	19.0
LT. 43 <sup>1</sup>	8.2	16.8	19.2	21.2	19.8	17.2	12.1	15.3
	16.4	20.4	25.2	23.2	20.4	16.4	18.4	16.9
	24.6	---	38.4	35.2	29.2	18.4	25.6	15.8
	B	34.8	46.8	57.6	38.2	40.6	39.8	22.1
LT. 43 <sup>2</sup>	8.2					14.6	14.4	16.8
	16.4					17.2	17.0	17.5
	24.6					26.4	24.2	20.1
	B					39.0	29.0	27.6
LT. 48 <sup>1</sup>	8.2	21.6	22.0	17.2	27.6	25.0	20.5	21.3
	16.4	28.4	27.2	12.4	26.8	23.4	26.8	32.6
	24.6	40.4	35.2	18.0	33.6	27.8	25.2	25.8
	B	43.2	45.2	30.8	38.2	49.4	34.6	29.4
LT. 48 <sup>2</sup>	8.2					15.4	17.0	25.1
	16.4					17.0	19.8	26.3
	24.6					19.0	27.2	27.5
	B					22.0	39.4	32.1

<sup>1</sup> 7/27, 8/16, 8/31, 9/14 sampling started on these dates and was completed on the following day; 9/28, 10/19, & 11/9 data were collected during an ebb tide on these dates.

<sup>2</sup> 9/28, 10/19, & 11/9 data were collected during a flood tide on these dates

<sup>3</sup> Size 10 Sediment Trap

<sup>4</sup> 9/14 Trap lost

Hatched area indicate composite samples or experiment not performed for that date

Table A-9: VSS concentrations (mg/L) in the DWSC.

Location	Depth (ft)	Date						
		7/27/00 (Spring - 3)	8/16/00 (Spring + 2)	8/31/00 (Spring + 3)	9/14/00 (Spring + 1)	9/28/00 (Spring + 1)	10/19/00 (Neap + 0)	11/9/00 (Spring - 2)
LT. 38 <sup>1</sup>	8.2	4.4	4.8	5.2	4.0	3.2	2.5	2.3
	16.4	5.2	4.4	4.0	4.8	3.8	3.1	2.0
	24.6	4.8	4.8	4.0	4.0	4.4	3.6	2.4
	B	5.2	5.6	6.4	5.0	4.2	3.2	2.5
LT. 38 <sup>2</sup>	8.2					1.4	1.8	2.8
	16.4					2.6	2.0	2.8
	24.6					3.6	2.0	3.0
	B					3.6	2.8	3.2
LT. 43 <sup>1</sup>	8.2	2.8	5.6	4.8	4.0	3.6	2.1	2.4
	16.4	3.6	6.0	3.6	4.4	3.4	2.9	2.6
	24.6	---	6.4	5.2	5.0	4.0	3.6	2.4
	B	6.4	6.8	7.2	5.8	6.6	5.0	2.9
LT. 43 <sup>2</sup>	8.2					3.6	2.4	3.0
	16.4					4.0	2.8	3.4
	24.6					5.0	3.8	3.3
	B					6.6	4.4	4.3
LT. 48 <sup>1</sup>	8.2	3.6	3.2	3.6	5.0	4.0	3.2	3.1
	16.4	4.4	4.0	2.8	4.4	3.8	4.4	4.0
	24.6	8.0	6.4	4.4	4.6	4.2	4.2	3.5
	B	6.4	8.0	5.2	5.8	6.2	4.0	4.1
LT. 48 <sup>2</sup>	8.2					4.0	2.4	4.1
	16.4					3.6	3.2	4.0
	24.6					4.2	3.8	4.2
	B					4.2	4.6	4.2

<sup>1</sup> 7/27, 8/16, 8/31, 9/14 sampling started on these dates and was completed on the following day; 9/28, 10/19, & 11/9 data were collected during an ebb tide on these dates.

<sup>2</sup> 9/28, 10/19, & 11/9 data were collected during a flood tide on these dates

<sup>3</sup> Size 10 Sediment Trap

<sup>4</sup> 9/14 Trap lost

Hatched area indicate composite samples or experiment not performed for that date

Table A-10: Chlorophyll *a* concentrations (mg/L) in the DWSC.

Location	Depth (ft)	Date						
		7/27/00 (Spring - 3)	8/16/00 (Spring + 2)	8/31/00 (Spring + 3)	9/14/00 (Spring + 1)	9/28/00 (Spring + 1)	10/19/00 (Neap + 0)	11/9/00 (Spring - 2)
LT. 38 <sup>1</sup>	8.2		13.9	9.1	10.7	11.7	11.2	2.8
	16.4		15.0	5.9	10.7	11.2	8.5	4.3
	24.6		13.9	6.9	11.2	10.7	8.5	3.9
	B		13.9	10.0	11.7	11.2	8.0	3.6
LT. 38 <sup>2</sup>	8.2					16.0	12.3	4.8
	16.4					15.5	9.6	3.7
	24.6					12.3	10.1	4.3
	B					10.1	10.7	3.9
LT. 43 <sup>1</sup>	8.2		20.3	10.0	29.9	19.2	12.3	4.5
	16.4		16.0	16.7	25.1	18.2	10.1	5.7
	24.6		17.1	21.4	27.8	18.7	10.1	5.1
	B		12.8	24.6	28.8	17.6	10.7	5.9
LT. 43 <sup>2</sup>	8.2					26.2	12.3	5.1
	16.4					18.7	10.7	5.4
	24.6					18.2	11.2	5.4
	B					19.8	11.7	3.3
LT. 48 <sup>1</sup>	8.2		32.0	21.4	37.4	26.2	16.0	5.1
	16.4		29.9	26.7	36.8	24.6	15.5	6.0
	24.6		28.8	31.0	36.3	25.6	18.2	6.2
	B		26.7	30.5	35.2	25.1	16.6	3.7
LT. 48 <sup>2</sup>	8.2					37.9	12.8	6.0
	16.4					27.8	12.8	6.3
	24.6					26.2	13.4	5.3
	B					25.1	13.4	6.2

<sup>1</sup> 7/27, 8/16, 8/31, 9/14 sampling started on these dates and was completed on the following day; 9/28, 10/19, & 11/9 data were collected during an ebb tide on these dates.

<sup>2</sup> 9/28, 10/19, & 11/9 data were collected during a flood tide on these dates

<sup>3</sup> Size 10 Sediment Trap

<sup>4</sup> 9/14 Trap lost

Hatched area indicate composite samples or experiment not performed for that date

Table A-11: Chlorophyll *a* and Pheophytin *a* concentrations in the DWSC.

Location	Depth (ft)	Date						
		7/27/00 (Spring - 3)	8/16/00 (Spring + 2)	8/31/00 (Spring + 3)	9/14/00 (Spring + 1)	9/28/00 (Spring + 1)	10/19/00 (Neap + 0)	11/9/00 (Spring - 2)
LT. 38 <sup>1</sup>	8.2		32.9	34.8	35.9	28.0	18.7	5.0
	16.4		26.9	30.7	38.5	26.9	16.8	7.6
	24.6		37.4	39.2	37.0	26.9	16.8	8.9
	B		31.4	35.0	43.4	31.0	18.7	8.0
LT. 38 <sup>2</sup>	8.2					25.0	17.9	7.0
	16.4					25.4	17.9	5.4
	24.6					26.9	18.3	6.5
	B					25.0	17.9	5.9
LT. 43 <sup>1</sup>	8.2		41.1	23.8	55.7	40.7	17.9	9.2
	16.4		46.4	43.9	46.7	40.4	19.1	7.8
	24.6		47.1	45.3	56.4	34.4	21.3	7.4
	B		47.8	57.9	62.8	41.9	27.3	8.7
LT. 43 <sup>2</sup>	8.2					39.2	18.3	7.2
	16.4					33.6	18.7	7.3
	24.6					35.5	19.4	7.6
	B					41.5	21.7	5.4
LT. 48 <sup>1</sup>	8.2		59.1	43.4	57.2	43.4	23.2	8.1
	16.4		54.6	49.7	56.8	40.0	24.7	11.1
	24.6		62.1	52.3	60.9	44.5	27.7	10.9
	B		56.1	59.2	64.7	52.3	26.9	12.6
LT. 48 <sup>2</sup>	8.2					49.0	20.2	9.1
	16.4					44.5	20.9	9.1
	24.6					45.2	22.8	8.1
	B					39.6	26.5	8.8

<sup>1</sup> 7/27, 8/16, 8/31, 9/14 sampling started on these dates and was completed on the following day; 9/28, 10/19, & 11/9 data were collected during an ebb tide on these dates.

<sup>2</sup> 9/28, 10/19, & 11/9 data were collected during a flood tide on these dates

<sup>3</sup> Size 10 Sediment Trap

<sup>4</sup> 9/14 Trap lost

Hatched area indicate composite samples or experiment not performed for that date

Table A-12 San Joaquin River BOD regression data and other water quality parameters.

Parameters for San Joaquin River Samples									
Units = varying									
Parameter	Tide	Date							
		7/27/00 (Spring - 3)	8/16/00 (Spring + 2)	8/31/00 (Spring + 3)	9/14/00 (Spring + 1)	Tide	9/28/00 (Spring + 1)	10/19/00 (Neap + 0)	11/9/00 (Spring - 2)
TSS (mg/L)		47.4	30.2	26.8	28.6	Ebb	28.0	---	32.0
VSS (mg/L)		8.1	6.3	5.1	4.9		4.2	---	3.4
Chl <i>a</i> (mg/L)			55.1	39.8	39.8		27.2	19.8	4.0
Chl <i>a</i> + Ph <i>a</i> (mg/L)			73.0	62.6	62.6		42.2	29.5	6.4
Turbidity (NTU) <sup>1</sup>			36	25	25	26		27	27
TSS (mg/L)						Flood	26.2	---	18.4
VSS (mg/L)							4.2	---	3.1
Chl <i>a</i> (mg/L)							34.2	15.5	5.4
Chl <i>a</i> + Ph <i>a</i> (mg/L)							48.2	22.8	8.2
Turbidity (NTU) <sup>1</sup>							23	21	19

Hatched area indicate composite samples or experiment not performed for that date

<sup>1</sup>Average turbidity obtained from individual measurements.

Table: A-13: Photosynthetically active radiation intensities in the San Joaquin River and DWSC.

9/14/01	SJ River 11:45 AM			LT 48 12:30 PM			LT 43 1:05 PM			LT 38 1:40 PM		
Depth	Intensity	Secchi	Turbidity	Intensity	Secchi	Turbidity	Intensity	Secchi	Turbidity	Intensity	Secchi	Turbidity
ft	E	ft	NTU	E	ft	NTU	E	ft	NTU	E	ft	NTU
0	2330	1.6		2320	1.7		2350	2.0		2300	1.5	
1	900			1030			1285			1110		
2	410			530			600			540		
3	150			230			285			240		
4	64		24	88			140			120		
5	22			44			70			54		
6	8.5			17			31			23		
7	3.3			9.5			17			13		
8			29	3.8		26	7.7		18	6.0		25
9							4.1			3.5		

10/19/00	SJ River 11:35 AM			LT 48 11:50 PM			LT 43 12:05 PM			LT 38 12:15 PM		
Depth	Intensity	Secchi	Turbidity	Intensity	Secchi	Turbidity	Intensity	Secchi	Turbidity	Intensity	Secchi	Turbidity
ft	E	ft	NTU	E	ft	NTU	E	ft	NTU	E	ft	NTU
0	2320	2.0		2330	2.0		2340	2.0		2420	2.0	
1	1020			1280			1150			1120		
2	490			700			570			650		
3	225			390			310			350		
4	100			185			160			182		
5	45			95			84			97		
6	20			49			44			48		
7	10			26			25			27		
8	4.5			15			13			15.0		
9	2.2			8			7.4			8.5		
10	--			4.3			4.1			4.7		
11	--			---			--			2.7		

Appendix B. Trapped Sediment Deposition Fluxes.

Table B-1: Deposition flux of TSS in the DWSC.

Location	Depth (ft)	Date						
		7/26/00 <sup>3</sup> (Spring - 3)	8/16/00 (Spring + 2)	8/31/00 (Spring + 3)	9/14/00 (Spring + 1)	9/28/00 (Spring + 1)	10/19/00 (Neap + 0)	11/9/00 (Spring - 2)
LT. 38 <sup>1,4</sup>	8.2	8.2	11.1	14.6	---	10.1	8.3	8.9
	16.4	19.7	21.4	26.9	---	20.4	14.2	11.9
	24.6	23.8	252.3	51.3	---	32.8	24.4	14.1
	B	45.9	37.7	49.5	---	54.1	39.4	17.4
LT. 38 <sup>2</sup>	8.2					8.8	10.3	8.5
	16.4					18.1	16.5	13.4
	24.6					26.5	22.3	15.4
	B					34.7	28.9	35.3
LT. 43 <sup>1</sup>	8.2	4.6	6.4	6.4	6.8	3.4	3.8	8.5
	16.4	12.4	15.9	11.5	10.1	12.0	11.5	12.1
	24.6	---	---	34.3	19.6	22.4	21.2	15.7
	B	20.8	51.7	---	52.0	83.0	42.6	16.3
LT. 43 <sup>2</sup>	8.2					7.3	6.9	6.7
	16.4					11.5	9.2	11.4
	24.6					20.6	12.0	15.1
	B					38.0	74.2	---
LT. 48 <sup>1</sup>	8.2	19.0	18.7	22.7	27.7	30.4	37.9	28.9
	16.4	33.0	37.2	31.5	45.0	52.5	67.6	51.4
	24.6	---	64.7	51.7	57.5	78.5	87.2	70.9
	B	55.9	82.6	92.7	100.5	133.7	74.0	129.7
LT. 48 <sup>2</sup>	8.2					6.8	34.4	11.6
	16.4					10.5	57.2	20.2
	24.6					18.9	78.0	30.8
	B					29.4	134.1	---

<sup>1</sup> 7/27, 8/16, 8/31, 9/14 sampling started on these dates and was completed on the following day; 9/28, 10/19, & 11/9 data were collected during an ebb tide on these dates.

<sup>2</sup> 9/28, 10/19, & 11/9 data were collected during a flood tide on these dates

<sup>3</sup> Size 10 Sediment Trap

<sup>4</sup> 9/14 Trap lost

Hatched area indicate composite samples or experiment not performed for that date

Table B-2: Deposition Flux (g/ m<sup>2</sup>hr)of VSS in the DWSC.

Location	Depth (ft)	Date						
		7/27/00 <sup>3</sup> (Spring - 3)	8/16/00 (Spring + 2)	8/31/00 (Spring + 3)	9/14/00 (Spring + 1)	9/28/00 (Spring + 1)	10/19/00 (Neap + 0)	11/9/00 (Spring - 2)
LT. 38 <sup>1,4</sup>	8.2	0.7	1.2	1.5	---	1.2	0.9	1.0
	16.4	1.9	2.1	2.7	---	2.3	1.5	1.3
	24.6	2.1	17.1	5.0	---	3.5	2.5	1.5
	B	3.6	3.3	4.9	---	5.7	3.6	1.9
LT. 38 <sup>2</sup>	8.2					1.0	1.1	0.3
	16.4					2.0	1.7	0.3
	24.6					2.8	2.4	0.3
	B					3.6	3.0	0.3
LT. 43 <sup>1</sup>	8.2	0.4	0.7	0.8	0.9	0.5	0.5	0.9
	16.4	1.6	1.5	1.2	1.1	1.4	1.1	1.3
	24.6	---	---	3.1	1.9	2.4	2.2	1.6
	B	1.7	4.4	---	5.0	8.5	3.6	1.6
LT. 43 <sup>2</sup>	8.2					1.1	0.8	0.7
	16.4					1.3	1.0	1.2
	24.6					2.1	1.2	1.5
	B					3.7	8.3	---
LT. 48 <sup>1</sup>	8.2	2.0	1.5	1.8	2.7	2.6	3.3	2.3
	16.4	3.1	3.4	2.7	4.2	4.3	5.6	3.8
	24.6	---	4.8	3.9	5.7	6.1	7.8	5.3
	B	4.5	7.3	6.7	8.8	10.3	5.8	9.5
LT. 48 <sup>2</sup>	8.2					0.9	2.9	1.1
	16.4					1.3	5.0	1.8
	24.6					2.4	7.5	2.7
	B					3.1	10.4	---

<sup>1</sup> 7/27, 8/16, 8/31, 9/14 sampling started on these dates and was completed on the following day; 9/28, 10/19, & 11/9 data were collected during an ebb tide on these dates.

<sup>2</sup> 9/28, 10/19, & 11/9 data were collected during a flood tide on these dates

<sup>3</sup> Size 10 Sediment Trap

<sup>4</sup> 9/14 Trap lost

Hatched area indicate composite samples or experiment not performed for that date

Table B-3: Chlorophyll *a* deposition fluxes (mg/m<sup>2</sup> hr) the DWSC.

Location	Depth (ft)	Date						
		7/27/00 <sup>3</sup> (Spring - 3)	8/16/00 (Spring + 2)	8/31/00 (Spring + 3)	9/14/00 (Spring + 1)	9/28/00 (Spring + 1)	10/19/00 (Neap + 0)	11/9/00 (Spring - 2)
LT. 38 <sup>1,4</sup>	8.2			---	---	1.2	1.9	0.10
	16.4			0.8	---	1.3	2.2	0.00
	24.6			1.8	---	1.7	2.4	0.14
	B			1.9	---	2.5	2.4	-0.09
LT. 38 <sup>2</sup>	8.2					2.1	0.8	0.12
	16.4					2.8	1.2	0.13
	24.6					2.7	1.4	0.13
	B					2.8	1.6	0.17
LT. 43 <sup>1</sup>	8.2			0.4	1.0	1.7	1.7	0.02
	16.4			0.9	1.4	2.3	2.5	0.10
	24.6			2.4	3.5	2.9	2.6	0.13
	B			---	3.5	3.7	6.5	0.13
LT. 43 <sup>2</sup>	8.2					2.4	1.1	0.13
	16.4					3.1	1.2	0.17
	24.6					3.4	1.4	0.18
	B					4.3	3.0	---
LT. 48 <sup>1</sup>	8.2			1.6	1.9	3.8	3.5	-0.10
	16.4			3.0	4.0	4.5	4.4	0.19
	24.6			4.8	5.1	5.3	5.8	0.20
	B			4.7	7.3	5.3	5.3	0.17
LT. 48 <sup>2</sup>	8.2					5.9	2.5	0.20
	16.4					4.9	2.9	0.20
	24.6					8.1	4.3	0.25
	B					6.1	4.1	---

<sup>1</sup> 7/27, 8/16, 8/31, 9/14 sampling started on these dates and was completed on the following day; 9/28, 10/19, & 11/9 data were collected during an ebb tide on these dates.

<sup>2</sup> 9/28, 10/19, & 11/9 data were collected during a flood tide on these dates

<sup>3</sup> Size 10 Sediment Trap

<sup>4</sup> 9/14 Trap lost

Hatched area indicate composite samples or experiment not performed for that date

Table B-4: Chlorophyll *a* and pheophytin *a* fluxes (mg/m<sup>2</sup>hr) the DWSC.

Location	Depth (ft)	Date						
		7/27/00 <sup>3</sup> (Spring - 3)	8/16/00 (Spring + 2)	8/31/00 (Spring + 3)	9/14/00 (Spring + 1)	9/28/00 (Spring + 1)	10/19/00 (Neap + 0)	11/9/00 (Spring - 2)
LT. 38 <sup>1,4</sup>	8.2			---	---	5.1	4.3	0.25
	16.4			9.3	---	8.7	5.9	0.38
	24.6			14.1	---	10.7	7.8	0.43
	B			16.2	---	18.1	10.9	0.53
LT. 38 <sup>2</sup>	8.2					6.5	3.5	0.31
	16.4					9.3	5.1	0.38
	24.6					10.7	6.2	0.48
	B					14.0	7.8	0.84
LT. 43 <sup>1</sup>	8.2			3.9	5.9	3.9	3.2	0.27
	16.4			5.4	7.7	7.9	5.5	0.38
	24.6			11.1	11.9	10.6	7.0	0.38
	B			---	22.5	26.7	25.8	0.43
LT. 43 <sup>2</sup>	8.2					5.6	2.9	0.25
	16.4					7.8	3.4	0.40
	24.6					11.0	4.1	0.48
	B					14.5	13.7	---
LT. 48 <sup>1</sup>	8.2			6.8	8.6	11.6	10.2	0.47
	16.4			11.8	18.3	17.1	14.4	0.78
	24.6			17.2	18.2	19.7	19.6	0.99
	B			25.9	40.0	32.1	20.5	1.43
LT. 48 <sup>2</sup>	8.2					9.7	7.4	0.36
	16.4					8.9	10.7	0.44
	24.6					14.9	15.9	0.72
	B					18.3	19.3	---

<sup>1</sup> 7/27, 8/16, 8/31, 9/14 sampling started on these dates and was completed on the following day; 9/28, 10/19, & 11/9 data were collected during an ebb tide on these dates.

<sup>2</sup> 9/28, 10/19, & 11/9 data were collected during a flood tide on these dates

<sup>3</sup> Size 10 Sediment Trap

<sup>4</sup> 9/14 Trap lost

Hatched area indicate composite samples or experiment not performed for that date

## Appendix C. Settling Velocities of Trapped Sediment.

Table C-1. Settling velocities of TSS (m/hr) in the DWSC.

Location	Depth (ft)	Date						
		7/27/00 <sup>3</sup> (Spring - 3)	8/16/00 <sup>3</sup> (Spring + 2)	8/31/00 (Spring + 3)	9/14/00 (Spring + 1)	9/28/00 (Spring + 1)	10/19/00 (Neap + 0)	11/9/00 (Spring - 2)
LT. 38 <sup>1,4</sup>	8.2	0.4	0.6	0.5	---	0.5	0.5	0.7
	16.4	0.9	0.9	0.9	---	1.0	0.7	0.9
	24.6	1.0	8.8	1.6	---	1.3	1.1	0.9
	B	1.5	1.3	1.3	---	2.0	1.7	1.1
LT. 38 <sup>2</sup>	8.2					1.0	0.7	0.6
	16.4					1.2	0.9	1.0
	24.6					1.4	1.2	1.0
	B					1.6	1.4	1.9
LT. 43 <sup>1</sup>	8.2	0.3	0.3	0.3	0.3	0.2	0.3	0.6
	16.4	0.6	0.6	0.5	0.5	0.7	0.6	0.7
	24.6	---	---	1.0	0.7	1.2	0.8	1.0
	B	0.6	1.1	---	1.4	2.0	1.1	0.7
LT. 43 <sup>2</sup>	8.2					0.5	0.5	0.4
	16.4					0.7	0.5	0.7
	24.6					0.8	0.5	0.8
	B					1.0	2.6	---
LT. 48 <sup>1</sup>	8.2	0.9	0.8	1.3	1.0	1.2	1.8	1.4
	16.4	1.2	1.4	2.5	1.7	2.2	2.5	1.6
	24.6	---	1.8	2.9	1.7	2.8	3.5	2.8
	B	1.3	1.8	3.0	2.6	2.7	2.1	4.4
LT. 48 <sup>2</sup>	8.2					0.4	2.0	0.5
	16.4					0.6	2.9	0.8
	24.6					1.0	2.9	1.1
	B					1.3	3.4	---

<sup>1</sup> 7/27, 8/16, 8/31, 9/14 sampling started on these dates and was completed on the following day; 9/28, 10/19, & 11/9 data were collected during an ebb tide on these dates.

<sup>2</sup> 9/28, 10/19, & 11/9 data were collected during a flood tide on these dates

<sup>3</sup> Size 10 Sediment Trap

<sup>4</sup> 9/14 Trap lost

Hatched area indicate composite samples or experiment not performed for that date

Table C-2: Settling velocities (m/hr) of VSS in the DWSC

Location	Depth (ft)	Date						
		7/27/00 <sup>3</sup> (Spring - 3)	8/16/00 <sup>3</sup> (Spring + 2)	8/31/00 (Spring + 3)	9/14/00 (Spring + 1)	9/28/00 (Spring + 1)	10/19/00 (Neap + 0)	11/9/00 (Spring - 2)
LT. 38 <sup>1,4</sup>	8.2	0.2	0.3	0.3	---	0.4	0.4	0.4
	16.4	0.4	0.5	0.7	---	0.6	0.5	0.7
	24.6	0.4	3.6	1.3	---	0.8	0.7	0.6
	B	0.7	0.6	0.8	---	1.4	1.1	0.8
LT. 38 <sup>2</sup>	8.2					0.7	0.6	0.1
	16.4					0.8	0.9	0.1
	24.6					0.8	1.2	0.1
	B					1.0	1.1	0.1
LT. 43 <sup>1</sup>	8.2	0.2	0.1	0.2	0.2	0.1	0.2	0.4
	16.4	0.4	0.2	0.3	0.3	0.4	0.4	0.5
	24.6	---	---	0.6	0.4	0.6	0.6	0.7
	B	0.3	0.6	---	0.9	1.3	0.7	0.6
LT. 43 <sup>2</sup>	8.2					0.3	0.3	0.2
	16.4					0.3	0.3	0.4
	24.6					0.4	0.3	0.5
	B					0.6	1.9	---
LT. 48 <sup>1</sup>	8.2	0.6	0.5	0.5	0.5	0.7	1.0	0.7
	16.4	0.7	0.8	1.0	1.0	1.1	1.3	1.0
	24.6	---	0.7	0.9	1.2	1.4	1.8	1.5
	B	0.7	0.9	1.3	1.5	1.7	1.4	2.3
LT. 48 <sup>2</sup>	8.2					0.2	1.2	0.3
	16.4					0.4	1.6	0.5
	24.6					0.6	2.0	0.6
	B					0.7	2.3	---

<sup>1</sup> 7/27, 8/16, 8/31, 9/14 sampling started on these dates and was completed on the following day; 9/28, 10/19, & 11/9 data were collected during an ebb tide on these dates.

<sup>2</sup> 9/28, 10/19, & 11/9 data were collected during a flood tide on these dates

<sup>3</sup> Size 10 Sediment Trap

<sup>4</sup> 9/14 Trap lost

Hatched area indicate composite samples or experiment not performed for that date

Table C-3: Chlorophyll *a* settling velocities (m/hr) in the DWSC.

Location	Depth (ft)	Date						
		7/27/00 <sup>3</sup> (Spring - 3)	8/16/00 <sup>3</sup> (Spring + 2)	8/31/00 (Spring + 3)	9/14/00 (Spring + 1)	9/28/00 (Spring + 1)	10/19/00 (Neap + 0)	11/9/00 (Spring - 2)
LT. 38 <sup>1,4</sup>	8.2			---	---	0.104	0.168	0.034
	16.4			0.133	---	0.115	0.262	0.000
	24.6			0.264	---	0.162	0.283	0.036
	B			0.189	---	0.219	0.296	-0.026
LT. 38 <sup>2</sup>	8.2					0.131	0.069	0.025
	16.4					0.178	0.123	0.036
	24.6					0.221	0.133	0.030
	B					0.278	0.151	0.043
LT. 43 <sup>1</sup>	8.2			0.039	0.032	0.090	0.137	0.004
	16.4			0.057	0.056	0.126	0.248	0.018
	24.6			0.113	0.128	0.156	0.260	0.025
	B			---	0.121	0.210	0.609	0.022
LT. 43 <sup>2</sup>	8.2					0.092	0.091	0.026
	16.4					0.166	0.110	0.032
	24.6					0.188	0.125	0.033
	B					0.215	0.253	---
LT. 48 <sup>1</sup>	8.2			0.075	0.051	0.147	0.217	-0.020
	16.4			0.114	0.109	0.184	0.286	0.032
	24.6			0.155	0.140	0.205	0.319	0.033
	B			0.155	0.207	0.213	0.320	0.045
LT. 48 <sup>2</sup>	8.2					0.155	0.195	0.034
	16.4					0.175	0.224	0.031
	24.6					0.308	0.320	0.048
	B					0.243	0.306	---

<sup>1</sup> 7/27, 8/16, 8/31, 9/14 sampling started on these dates and was completed on the following day; 9/28, 10/19, & 11/9 data were collected during an ebb tide on these dates.

<sup>2</sup> 9/28, 10/19, & 11/9 data were collected during a flood tide on these dates

<sup>3</sup> Size 10 Sediment Trap

<sup>4</sup> 9/14 Trap lost

Hatched area indicate composite samples or experiment not performed for that date

Table C-4: Settling velocities of chlorophyll *a* and pheophytin *a* (m/hr) in the DWSC.

Location	Depth (ft)	Date						
		7/27/00 <sup>3</sup> (Spring - 3)	8/16/00 <sup>3</sup> (Spring + 2)	8/31/00 (Spring + 3)	9/14/00 (Spring + 1)	9/28/00 (Spring + 1)	10/19/00 (Neap + 0)	11/9/00 (Spring - 2)
LT. 38 <sup>1,4</sup>	8.2			---	---	0.18	0.23	0.05
	16.4			0.30	---	0.32	0.35	0.05
	24.6			0.36	---	0.40	0.46	0.05
	B			0.46	---	0.58	0.59	0.07
LT. 38 <sup>2</sup>	8.2					0.26	0.19	0.04
	16.4					0.37	0.28	0.07
	24.6					0.40	0.34	0.07
	B					0.56	0.43	0.14
LT. 43 <sup>1</sup>	8.2			0.16	0.11	0.09	0.18	0.03
	16.4			0.12	0.17	0.20	0.29	0.05
	24.6			0.24	0.21	0.31	0.33	0.05
	B			---	0.36	0.64	0.95	0.05
LT. 43 <sup>2</sup>	8.2					0.14	0.16	0.04
	16.4					0.23	0.18	0.05
	24.6					0.31	0.21	0.06
	B					0.35	0.63	---
LT. 48 <sup>1</sup>	8.2			0.16	0.15	0.27	0.44	0.06
	16.4			0.24	0.32	0.43	0.58	0.07
	24.6			0.33	0.30	0.44	0.71	0.09
	B			0.44	0.62	0.61	0.76	0.11
LT. 48 <sup>2</sup>	8.2					0.20	0.36	0.04
	16.4					0.20	0.51	0.05
	24.6					0.33	0.70	0.09
	B					0.46	0.73	---

<sup>1</sup> 7/27, 8/16, 8/31, 9/14 sampling started on these dates and was completed on the following day; 9/28, 10/19, & 11/9 data were collected during an ebb tide on these dates.

<sup>2</sup> 9/28, 10/19, & 11/9 data were collected during a flood tide on these dates

<sup>3</sup> Size 10 Sediment Trap

<sup>4</sup> 9/14 Trap lost

Hatched area indicate composite samples or experiment not performed for that date

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