



<i>Final Technical Report</i>	2000
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## **Anaheim Bay and Huntington Harbour Sediment and Water Column Toxicity Study**

### **Vol. IV Apendices III & IV**

**June 7, 2007**



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# ***Surface Water Ambient Monitoring Program Report: Anaheim Bay and Huntington Harbour Sediment and Water Column Toxicity Study***



***Prepared by  
Pavlova Vitale, Environmental Scientist***

***Santa Ana Regional Water Quality Control Board  
June 7, 2007***



## Huntington Harbor &amp; Alnaheim Bay Water Column Measurements - August 2001

Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	PH	Oxygen (mg/L)	SBE DO saturation	Transmissivity (mg/l)	Salinity (ppt)	Density
1	Aug-01		1	20.322	4.6345	7.792	5.5417	7.405	57.261	33.457	23.501
1	Aug-01		2	19.448	4.5558	7.79	5.5505	7.524	57.075	33.512	23.77
1	Aug-01		3	19.12	4.5168	7.77	6.2986	7.5732	55.817	33.453	23.808
2	Aug-01		1	20.249	4.6242	7.828	4.3757	7.4159	36.942	33.432	23.501
2	Aug-01		2	19.968	4.6029	7.812	4.1901	7.4524	61.873	33.482	23.613
2	Aug-01		3	18.911	4.5136	7.805	4.113	7.5968	59.428	33.595	23.969
2	Aug-01		4	18.034	4.4187	7.8	4.1094	7.7279	60.458	33.513	24.125
2	Aug-01		5	17.786	4.3904	7.799	4.0623	7.7664	62.494	33.475	24.156
2	Aug-01		6	17.45	4.3615	7.795	4.0163	7.8156	61.273	33.505	24.26
2	Aug-01		7	17.103	4.3259	7.785	3.9943	7.8693	58.58	33.485	24.327
2	Aug-01		8	16.981	4.313	7.781	3.9771	7.8886	56.432	33.474	24.348
2	Aug-01		9	16.901	4.3058	7.78	3.9185	7.9007	57.38	33.478	24.37
2	Aug-01		10	16.721	4.2901	7.781	3.8799	7.928	55.881	33.491	24.422
2	Aug-01		11	16.606	4.2791	7.775	3.8949	7.9458	51.525	33.49	24.448
2	Aug-01		12	16.428	4.2662	7.762	3.8919	7.972	45.133	33.527	24.518
2	Aug-01		13	16.477	4.2686	7.742	3.8176	7.9653	45.133	33.506	24.49
2	Aug-01		12	16.454	4.262	7.742	3.9108	7.9707	16.419	33.468	24.466
4	Aug-01		1	20.164	4.6175	7.811	4.2212	7.4271	59.383	33.445	23.533
4	Aug-01		2	19.684	4.5775	7.795	4.3103	7.491	61.732	33.501	23.701
4	Aug-01		3	18.885	4.5076	7.802	4.5546	7.6015	60.628	33.567	23.955
4	Aug-01		4	17.911	4.4102	7.795	4.767	7.7447	60.127	33.541	24.177
4	Aug-01		5	17.376	4.3549	7.776	4.8125	7.8266	57.174	33.509	24.281
4	Aug-01		6	17.242	4.3372	7.742	4.7389	7.8489	52.38	33.467	24.281
4	Aug-01		7	17.743	4.4298	7.709	4.663	7.7551	54.939	33.848	24.454
5	Aug-01		1	20.806	4.6771	7.745	5.2423	7.3408	36.73	33.419	23.343
5	Aug-01		2	20.774	4.6747	7.745	5.2606	7.3449	38.385	33.424	23.356
5	Aug-01		3	20.738	4.6702	7.742	5.2819	7.3501	41.402	33.416	23.359
5	Aug-01		4	20.821	4.6713	7.75	5.3515	7.3414	39.077	33.36	23.294
8	Aug-01		1	20.306	4.6289	7.774	4.937	7.4084	27.186	33.425	23.481
8	Aug-01		2	19.988	4.6064	7.771	4.8232	7.4491	28.588	33.494	23.617
8	Aug-01		3	19.104	4.5286	7.763	4.8425	7.5702	42.205	33.564	23.897
8	Aug-01		4	18.155	4.4336	7.76	4.903	7.7089	52.395	33.54	24.116

Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	pH	Oxygen (mg/L)	SBE DO saturation (mg/l)	Transmissivity (%)	Salinity (ppt)	Density
8	Aug-01		5	17.767	4.3911	7.758	4.8518	7.7684	59.341	33.497	24.178
8	Aug-01		6	17.431	4.3601	7.768	4.7537	7.8183	62.52	33.508	24.267
8	Aug-01		7	17.115	4.3285	7.784	4.6406	7.8669	63.814	33.497	24.334
8	Aug-01		8	16.829	4.301	7.772	4.5408	7.911	60.502	33.497	24.401
8	Aug-01		9	16.669	4.2839	7.747	4.4292	7.9365	57.13	33.481	24.426
8	Aug-01		10	16.565	4.2729	7.731	4.3483	7.9532	56.717	33.471	24.443
8	Aug-01		11	16.492	4.2669	7.722	4.2718	7.9642	56.438	33.479	24.466
8	Aug-01		12	16.325	4.2512	7.703	4.2908	7.9903	45.063	33.481	24.506
8	Aug-01		13	16.36	4.2567	7.64	4.2161	7.984	-15.17	33.5	24.513
9	Aug-01		1	20.546	4.6559	7.737	4.3922	7.3746	50.223	33.453	23.438
9	Aug-01		2	19.945	4.6131	7.74	4.2868	7.4514	48.023	33.583	23.695
9	Aug-01		3	18.634	4.4847	7.743	4.3386	7.6372	54.647	33.578	24.027
9	Aug-01		4	18.08	4.4218	7.732	4.3408	7.7216	60.693	33.501	24.105
9	Aug-01		5	17.765	4.3908	7.723	4.2921	7.7686	62.435	33.495	24.177
9	Aug-01		6	17.498	4.3628	7.719	4.2005	7.8097	62.958	33.476	24.227
9	Aug-01		7	17.432	4.356	7.715	4.0813	7.8198	62.367	33.471	24.239
9	Aug-01		8	17.337	4.3482	7.712	3.9648	7.8337	61.703	33.483	24.271
9	Aug-01		9	17.146	4.3318	7.711	3.9109	7.8621	62.612	33.499	24.329
9	Aug-01		10	16.963	4.314	7.701	3.9269	7.8902	61.179	33.496	24.369
9	Aug-01		11	16.811	4.2994	7.685	3.9424	7.9137	54.097	33.496	24.405
9	Aug-01		12	17.065	4.3154	7.654	3.8722	7.878	-24.96	33.424	24.29
10	Aug-01		1	20.483	4.6494	7.755	4.5261	7.3831	45.63	33.451	23.453
10	Aug-01		2	20.401	4.6444	7.757	4.3724	7.3932	48.104	33.474	23.493
10	Aug-01		3	19.718	4.591	7.765	4.2611	7.4828	51.798	33.584	23.755
10	Aug-01		4	18.934	4.5055	7.768	4.1517	7.5968	56.671	33.509	23.899
10	Aug-01		5	18.401	4.4587	7.775	4.0848	7.6722	60.492	33.55	24.063
10	Aug-01		6	17.769	4.4049	7.775	4.0523	7.7627	62.382	33.612	24.266
10	Aug-01		7	17.293	4.3509	7.768	3.9493	7.8376	62.692	33.544	24.328
10	Aug-01		8	17.156	4.331	7.765	3.8095	7.8612	62.647	33.484	24.315
10	Aug-01		9	17.043	4.322	7.756	3.7756	7.8778	59.643	33.5	24.353
10	Aug-01		10	16.927	4.3101	7.744	3.8621	7.896	57.011	33.494	24.376
10	Aug-01		11	16.741	4.2948	7.739	3.82	7.9237	54.25	33.515	24.436
10	Aug-01		12	16.746	4.2965	7.651	3.7754	7.9224	-5.787	33.525	24.442
12	Aug-01		1	20.34	4.6373	7.737	4.7102	7.402	-1.08	33.466	23.503
12	Aug-01		2	19.749	4.5836	7.733	4.7915	7.4822	-1.012	33.499	23.683

Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	PH	Oxygen (mg/L)	SBE DO saturation (mg/L)	Transmissivity (mg/L)	Salinity (ppt)	Density
12	Aug-01		3	19.066	4.5204	7.736	4.7817	7.5772	2.1277	33.527	23.879
12	Aug-01		4	18.246	4.4431	7.754	4.6983	7.6951	15.321	33.545	24.098
12	Aug-01		5	17.718	4.3843	7.76	4.6492	7.7765	58.431	33.479	24.176
12	Aug-01		6	17.601	4.3729	7.763	4.4992	7.7941	65.282	33.478	24.204
12	Aug-01		7	17.179	4.3397	7.762	4.3474	7.855	62.225	33.541	24.353
12	Aug-01		8	16.996	4.3163	7.751	4.2415	7.8854	61.085	33.49	24.357
12	Aug-01		9	16.729	4.2932	7.728	4.1627	7.9257	57.762	33.512	24.436
12	Aug-01		10	16.641	4.2809	7.708	4.1157	7.941	55.546	33.478	24.43
12	Aug-01		11	16.617	4.2786	7.702	4.082	7.9448	54.248	33.477	24.435
12	Aug-01		12	16.558	4.2721	7.693	4.1123	7.9543	43.43	33.469	24.443
12	Aug-01		13	16.615	4.2791	7.671	4.1333	7.9448	-30.05	33.482	24.44
13	Aug-01		1	20.503	4.6615	7.771	6.0408	7.377	-1.092	33.532	23.51
13	Aug-01		2	20.67	4.6598	7.77	6.1114	7.3606	-0.737	33.386	23.355
14	Aug-01		1	20.245	4.626	7.755	4.3843	7.4157	25.103	33.45	23.515
14	Aug-01		2	19.695	4.5807	7.732	4.3343	7.4889	63.736	33.518	23.711
14	Aug-01		3	18.545	4.4797	7.724	4.3569	7.6488	63.503	33.609	24.072
14	Aug-01		4	17.559	4.3752	7.718	4.4103	7.7978	57.245	33.533	24.256
14	Aug-01		5	17.413	4.3531	7.701	4.4083	7.8231	47.938	33.463	24.237
14	Aug-01		6	17.45	4.3579	7.696	4.544	7.817	17.871	33.473	24.236
15	Aug-01		1	20.021	4.6057	7.758	4.7219	7.4461	28.579	33.462	23.584
15	Aug-01		2	19.245	4.5349	7.74	4.7315	7.5528	22.33	33.503	23.815
15	Aug-01		3	18.702	4.4849	7.738	4.7023	7.6296	37.422	33.526	23.97
15	Aug-01		4	17.861	4.4048	7.735	4.6798	7.7525	51.047	33.536	24.185
15	Aug-01		5	17.489	4.3633	7.734	4.621	7.8104	58.674	33.488	24.238
15	Aug-01		6	17.28	4.3414	7.726	4.6173	7.8428	57.555	33.472	24.276
15	Aug-01		7	17.23	4.335	7.706	4.6638	7.8511	51.226	33.458	24.277
15	Aug-01		8	17.264	4.3428	7.695	4.6853	7.8442	3.3231	33.497	24.299
16	Aug-01		1	19.392	4.5339	7.81	5.0606	7.5376	27.632	33.377	23.681
16	Aug-01		2	19.099	4.535	7.82	3.7697	7.5682	55.755	33.621	23.943
16	Aug-01		3	18.938	4.5163	7.828	3.1268	7.5923	56.657	33.596	23.964
16	Aug-01		4	18.924	4.5163	7.829	3.6654	7.5938	56.509	33.607	23.976
17	Aug-01		1	20.479	4.6495	7.771	4.3926	7.3835	54.795	33.455	23.457
17	Aug-01		2	20.435	4.6474	7.769	4.1534	7.3888	54.935	33.472	23.482

Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	PH	Oxygen (mg/L)	SBE DO saturation	Transmissivity (mg/l)	Salinity (ppt)	Density
17	Aug-01		3	19.761	4.5983	7.775	4.1519	7.4758	56.364	33.609	23.763
17	Aug-01		4	18.211	4.4535	7.783	4.1675	7.6954	61.623	33.661	24.195
17	Aug-01		5	17.673	4.385	7.772	4.1311	7.7812	62.321	33.522	24.22
17	Aug-01		6	17.487	4.3629	7.77	4.0169	7.8109	62.046	33.486	24.237
17	Aug-01		7	17.289	4.3456	7.774	3.9015	7.8402	61.904	33.501	24.296
17	Aug-01		8	17.139	4.3308	7.769	3.8152	7.8633	62.079	33.497	24.329
17	Aug-01		9	16.89	4.3088	7.759	3.74	7.9007	62.449	33.513	24.399
17	Aug-01		10	16.772	4.2956	7.751	3.7018	7.9198	62.897	33.497	24.414
17	Aug-01		11	16.698	4.2882	7.749	3.6695	7.9314	62.092	33.493	24.429
17	Aug-01		12	16.547	4.2747	7.742	3.6457	7.9545	55.205	33.5	24.47
17	Aug-01		13	16.702	4.2765	7.595	3.6491	7.9359	-3.646	33.387	24.346
18	Aug-01		-99	-99	-99	-99	-99	-99	-99	-99	-99
19	Aug-01		1	20.325	4.6324	7.715	6.3098	7.4053	-1.081	33.438	23.486
19	Aug-01		2	20.213	4.6205	7.709	6.3454	7.4209	-1.081	33.43	23.509
19	Aug-01		3	20.302	4.6277	7.713	6.3873	7.4092	-1.081	33.417	23.476
20	Aug-01		1	20.671	4.6679	7.725	4.5556	7.3577	54.477	33.451	23.404
20	Aug-01		2	20.525	4.6578	7.722	4.5334	7.3759	53.057	33.485	23.468
20	Aug-01		3	19.649	4.5852	7.716	4.5664	7.4921	55.487	33.591	23.779
20	Aug-01		4	18.552	4.4786	7.719	4.6034	7.6484	59.216	33.595	24.06
20	Aug-01		5	17.892	4.4048	7.718	4.5917	7.749	61.421	33.511	24.158
20	Aug-01		6	17.628	4.3751	7.715	4.4989	7.7901	62.334	33.474	24.194
20	Aug-01		7	17.435	4.3567	7.72	4.3422	7.8193	64.29	33.475	24.242
20	Aug-01		8	17.199	4.3346	7.712	4.1924	7.8549	62.837	33.48	24.301
20	Aug-01		9	17.061	4.3234	7.704	4.0634	7.8751	62.625	33.497	24.347
20	Aug-01		10	16.861	4.3033	7.696	4.1032	7.9063	62.936	33.489	24.388
20	Aug-01		11	16.653	4.2859	7.69	4.1055	7.9376	61.719	33.511	24.453
20	Aug-01		12	16.481	4.2646	7.679	4.0894	7.9665	54.17	33.468	24.46
20	Aug-01		13	16.663	4.2704	7.566	4.0991	7.943	-15.46	33.366	24.34
21	Aug-01		1	20.276	4.6236	7.791	5.047	7.4133	60.428	33.405	23.473
21	Aug-01		2	20.213	4.6204	7.794	4.7454	7.4209	60.189	33.429	23.508
21	Aug-01		3	19.358	4.5539	7.802	4.6778	7.5343	60.489	33.568	23.836
21	Aug-01		4	18.593	4.4708	7.807	4.5762	7.6468	61.845	33.496	23.974
21	Aug-01		5	17.897	4.4062	7.808	4.372	7.7481	62.772	33.519	24.163
21	Aug-01		6	17.377	4.3544	7.805	4.2595	7.8266	62.949	33.504	24.277

Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	PH	Oxygen (mg/L)	SBE DO saturation (mg/	Transmissivity (mg/	Salinity (ppt)	Density
21	Aug-01		7	17.009	4.3213	7.784	4.1917	7.882	61.324	33.523	24.379
21	Aug-01		8	16.66	4.2857	7.763	4.1444	7.9367	59.05	33.504	24.446
21	Aug-01		9	16.599	4.2773	7.756	4.04	7.9474	59.137	33.482	24.443
21	Aug-01		10	16.502	4.269	7.753	3.8153	7.9622	58.243	33.49	24.472
21	Aug-01		11	16.417	4.2603	7.737	3.709	7.9758	53.714	33.485	24.488
21	Aug-01		12	16.462	4.0534	7.585	3.6289	8.0585	11.238	31.664	23.082
23	Aug-01		1	20.302	4.6276	7.823	4.7238	7.4093	49.708	33.417	23.476
23	Aug-01		2	20.176	4.6163	7.814	4.7356	7.4262	59.686	33.425	23.515
23	Aug-01		3	18.958	4.5195	7.81	4.6826	7.5898	63.179	33.605	23.965
23	Aug-01		4	18.071	4.4203	7.824	4.5421	7.7232	63.811	33.495	24.103
23	Aug-01		5	17.871	4.3974	7.833	4.344	7.7542	65.083	33.466	24.129
23	Aug-01		6	17.607	4.3738	7.821	4.1915	7.793	63.683	33.481	24.204
23	Aug-01		7	17.235	4.3408	7.795	4.0937	7.8483	61.216	33.504	24.311
23	Aug-01		8	17.05	4.3212	7.778	3.949	7.8772	60.463	33.488	24.342
23	Aug-01		9	16.929	4.3089	7.772	3.8284	7.8962	60.469	33.481	24.366
23	Aug-01		10	16.833	4.3009	7.769	3.6948	7.9105	61.573	33.492	24.396
23	Aug-01		11	16.571	4.278	7.759	3.5592	7.9504	58.376	33.51	24.471
23	Aug-01		12	16.481	4.2643	7.719	3.6328	7.9666	33.86	33.465	24.457
23	Aug-01		13	16.785	4.2935	7.724	3.7351	7.9191	-36.65	33.466	24.389
24	Aug-01		1	20.442	4.6457	7.752	3.77	7.3887	49.867	33.454	23.466
24	Aug-01		2	20.301	4.6372	7.758	3.7729	7.4061	49.027	33.496	23.536
24	Aug-01		3	19.104	4.5482	7.771	3.7794	7.5635	49.988	33.726	24.02
24	Aug-01		4	17.985	4.4272	7.779	3.7744	7.7303	54.675	33.624	24.222
24	Aug-01		5	17.459	4.366	7.775	3.7168	7.8127	58.772	33.535	24.281
24	Aug-01		6	17.236	4.3412	7.767	3.6515	7.848	59.873	33.507	24.313
24	Aug-01		7	17.118	4.327	7.762	3.6025	7.8672	60.29	33.482	24.322
24	Aug-01		8	16.963	4.3133	7.753	3.6181	7.8905	59.856	33.492	24.366
24	Aug-01		9	16.835	4.3001	7.749	3.6535	7.9107	58.297	33.483	24.389
24	Aug-01		10	16.702	4.2875	7.739	3.6	7.9312	57.805	33.484	24.421
24	Aug-01		11	16.662	4.2822	7.727	3.4902	7.938	56.623	33.47	24.42
24	Aug-01		12	16.69	3.9018	7.2	3.4604	8.0948	54.676	30.163	21.878
25	Aug-01		1	20.363	4.6386	7.764	4.5328	7.3992	1.3768	33.459	23.491
25	Aug-01		2	19.907	4.6009	7.76	4.5345	7.4595	7.2973	33.513	23.652
25	Aug-01		3	18.628	4.4909	7.761	4.5962	7.6356	39.617	33.635	24.071
25	Aug-01		4	17.718	4.3878	7.771	4.6606	7.7751	59.263	33.509	24.199



Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	pH	Oxygen (mg/L)	SBE DO saturation	Transmissivity (mg/l)	Salinity (ppt)	Density
25	Aug-01		5	17.582	4.3698	7.777	4.5648	7.7975	61.793	33.467	24.2
25	Aug-01		6	17.382	4.3534	7.786	4.4276	7.8265	62.797	33.492	24.267
25	Aug-01		7	17.121	4.3268	7.786	4.3368	7.8669	62.814	33.477	24.317
25	Aug-01		8	16.976	4.3151	7.776	4.2304	7.8883	60.803	33.497	24.367
25	Aug-01		9	16.725	4.29	7.748	4.1399	7.9275	56.926	33.487	24.418
25	Aug-01		10	16.692	4.2852	7.733	4.0826	7.9334	56.23	33.472	24.414
25	Aug-01		11	16.664	4.283	7.727	4.0536	7.9375	55.494	33.476	24.423
25	Aug-01		12	16.551	4.2742	7.711	4.0655	7.9543	37.426	33.493	24.463
25	Aug-01		13	16.69	4.2794	7.691	3.9061	7.936	-36.09	33.422	24.376
26	Aug-01		1	21.025	4.6951	7.678	5.4607	7.3127	43.106	33.391	23.263
26	Aug-01		2	21.009	4.694	7.702	5.5124	7.3147	41.638	33.394	23.27
26	Aug-01		3	20.861	4.6851	7.719	5.5293	7.3326	41.53	33.439	23.344
26	Aug-01		4	20.776	4.6767	7.734	5.5192	7.3441	43.039	33.439	23.366
26	Aug-01		5	20.782	4.6768	7.74	5.5016	7.3435	44.585	33.434	23.361
26	Aug-01		6	20.74	4.6803	7.758	5.5752	7.3465	-15.18	33.495	23.419
26	Aug-01		5	20.773	4.6752	7.748	5.6051	7.3449	20.104	33.428	23.359
27	Aug-01		1	20.542	4.6526	7.773	4.5321	7.3761	54.285	33.43	23.422
27	Aug-01		2	20.526	4.6515	7.772	4.706	7.3781	52.942	33.433	23.429
27	Aug-01		3	20.048	4.6184	7.767	4.9713	7.4389	52.076	33.544	23.639
27	Aug-01		4	18.85	4.5012	7.761	5.1966	7.6079	48.667	33.541	23.944
27	Aug-01		5	18.967	4.484	7.428	5.5344	7.6016	48.695	33.303	23.733
27	Aug-01		4	19.653	4.5586	7.753	6.044	7.5014	49.611	33.37	23.609
28	Aug-01		1	20.223	4.6179	7.783	4.5411	7.4208	55.783	33.402	23.484
28	Aug-01		2	19.901	4.5987	7.804	4.422	7.461	56.064	33.501	23.645
28	Aug-01		3	18.897	4.5054	7.82	4.5115	7.6012	58.952	33.538	23.93
28	Aug-01		4	18.186	4.437	7.813	4.6174	7.7042	61.696	33.543	24.111
28	Aug-01		5	17.643	4.3783	7.797	4.6355	7.7872	63.114	33.489	24.202
28	Aug-01		6	17.38	4.3531	7.811	4.487	7.8269	64.106	33.49	24.265
28	Aug-01		7	17.166	4.3319	7.827	4.2687	7.8597	63.869	33.485	24.313
28	Aug-01		8	16.983	4.3148	7.815	4.1623	7.8876	62.025	33.488	24.358
28	Aug-01		9	16.796	4.2983	7.781	4.1507	7.9159	60.155	33.5	24.412
28	Aug-01		10	16.674	4.2843	7.767	4.1534	7.9357	56.917	33.479	24.424
28	Aug-01		11	16.633	4.2811	7.771	4.1511	7.9419	55.472	33.486	24.439
28	Aug-01		12	16.492	4.2679	7.76	4.1303	7.9638	51.266	33.488	24.473
28	Aug-01		13	16.495	4.2723	7.726	4.1712	7.9616	-12.42	33.523	24.499



Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	pH	Oxygen (mg/L)	SBE DO saturation (mg/l)	Transmissivity (%)	Salinity (ppt)	Density
29	Aug-01		1	20.092	4.6032	7.775	4.4249	7.4399	20.659	33.385	23.506
29	Aug-01		2	19.464	4.5499	7.811	6.2253	7.5242	49.416	33.451	23.72
29	Aug-01		3	19.391	4.5177	7.518	6.5743	7.5438	51.962	33.243	23.58
30	Aug-01		1	20.228	4.62	7.823	4.6115	7.4196	65.219	33.415	23.494
30	Aug-01		2	19.932	4.5984	7.837	4.4108	7.4579	63.529	33.474	23.616
30	Aug-01		3	19.076	4.5238	7.826	4.2811	7.5749	62.078	33.546	23.891
30	Aug-01		4	18.163	4.436	7.811	4.1906	7.7068	61.867	33.553	24.125
30	Aug-01		5	17.705	4.3848	7.801	4.1156	7.7777	63.058	33.494	24.191
30	Aug-01		6	17.514	4.365	7.787	4.1067	7.807	59.223	33.482	24.228
30	Aug-01		7	17.265	4.3409	7.773	4.1547	7.8448	53.926	33.48	24.286
30	Aug-01		8	17.08	4.3224	7.764	4.1822	7.8734	53.959	33.473	24.324
30	Aug-01		9	17.042	4.3258	7.752	4.2054	7.8763	-1.329	33.534	24.379
31	Aug-01		1	20.151	4.6142	7.8	4.3615	7.4296	62.695	33.428	23.524
31	Aug-01		2	19.505	4.5643	7.817	4.1782	7.5149	58.476	33.536	23.773
31	Aug-01		3	18.765	4.4906	7.813	4.1926	7.6206	60.843	33.522	23.951
31	Aug-01		4	18.032	4.4226	7.802	4.2773	7.7264	61.505	33.547	24.152
31	Aug-01		5	17.644	4.378	7.791	4.3289	7.7872	62.687	33.487	24.2
31	Aug-01		6	17.455	4.3585	7.783	4.3237	7.8162	62.544	33.475	24.236
31	Aug-01		7	17.398	4.3537	7.789	4.4639	7.8246	8.4652	33.48	24.254
32	Aug-01		1	20.329	4.633	7.818	5.9534	7.4047	47.494	33.44	23.486
32	Aug-01		2	19.983	4.6056	7.808	5.9848	7.45	37.123	33.492	23.616
32	Aug-01		3	19.396	4.5458	7.782	6.0169	7.5329	45.328	33.47	23.752
32	Aug-01		4	19.533	4.5519	7.766	6.0798	7.5162	51.002	33.411	23.671
33	Aug-01		1	19.983	4.59	7.706	4.3752	7.4556	38.506	33.365	23.52
33	Aug-01		2	19.639	4.5583	7.678	4.6236	7.5027	32.813	33.38	23.62
33	Aug-01		3	18.746	4.4868	7.695	4.6037	7.6242	41.506	33.506	23.943
33	Aug-01		4	18.827	4.4909	7.733	4.7415	7.6139	51.441	33.475	23.899
34	Aug-01		1	20.408	4.6407	7.809	4.5897	7.3939	54.153	33.44	23.465
34	Aug-01		2	20.109	4.6201	7.81	4.4777	7.4318	54.929	33.51	23.597
34	Aug-01		3	18.883	4.5081	7.803	4.5111	7.6016	56.403	33.572	23.959
34	Aug-01		4	18.168	4.4344	7.793	4.5016	7.7071	59.32	33.536	24.11
34	Aug-01		5	17.613	4.3768	7.794	4.4847	7.7913	61.245	33.502	24.219

Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	pH	Oxygen (mg/L)	SBE DO saturation	Transmissivity (mg)	Salinity (ppt)	Density
34	Aug-01		6	17.339	4.3497	7.8	4.4201	7.8328	62.115	33.495	24.28
34	Aug-01		7	17.078	4.326	7.808	4.3433	7.8721	61.7	33.507	24.35
34	Aug-01		8	16.778	4.2953	7.791	4.2862	7.9191	58.817	33.489	24.407
34	Aug-01		9	16.725	4.2874	7.766	4.1316	7.9286	56.416	33.465	24.401
34	Aug-01		10	16.703	4.286	7.76	3.919	7.9318	56.149	33.471	24.411
34	Aug-01		11	16.624	4.2788	7.751	3.7622	7.944	55.072	33.473	24.431
34	Aug-01		12	16.579	4.207	7.187	3.8671	7.9795	16.852	32.885	23.99
35	Aug-01		1	20.624	4.6622	7.714	3.9732	7.3644	34.395	33.442	23.409
35	Aug-01		2	20.604	4.6607	7.699	3.9713	7.367	30.144	33.446	23.418
35	Aug-01		3	20.126	4.6297	7.692	3.882	7.4268	49.244	33.573	23.641
35	Aug-01		4	18.873	4.5034	7.721	3.9145	7.6044	52.269	33.541	23.938
35	Aug-01		5	18.442	4.4582	7.747	3.9831	7.6679	51.501	33.512	24.024
35	Aug-01		6	17.86	4.4013	7.745	4.0966	7.7539	54.004	33.506	24.163
35	Aug-01		7	17.423	4.3583	7.738	4.0811	7.82	51.967	33.499	24.262
35	Aug-01		8	17.363	4.3506	7.735	4.1392	7.8298	21.728	33.482	24.264
38	Aug-01		1	23.438	4.9314	7.792	2.5365	7.0043	0.7328	33.375	22.576
38	Aug-01		2	22.769	4.8695	7.73	2.213	7.0862	34.697	33.41	22.794
38	Aug-01		3	22.455	3.9994	7.315	3.2296	7.3959	39.266	27.052	18.071
39	Aug-01		1	23.789	4.9673	7.778	4.9581	6.961	6.639	33.382	22.479
39	Aug-01		2	23.241	4.9153	7.791	2.6699	7.0275	58.088	33.401	22.652
39	Aug-01		3	22.202	4.8116	7.75	3.9341	7.1587	54.103	33.394	22.942
39	Aug-01		4	21.904	3.8881	7.301	4.0779	7.4902	51.204	26.498	17.797
41	Aug-01		1	21.722	4.7705	7.723	4.3752	7.2186	43.407	33.445	23.114
41	Aug-01		2	21.409	4.7379	7.696	2.8289	7.2601	44.989	33.43	23.188
41	Aug-01		3	21.364	4.7261	7.681	3.4628	7.2686	53.169	33.372	23.157
41	Aug-01		4	21.281	3.3329	7.321	3.8673	7.7487	49.188	22.615	15.018
42	Aug-01		1	20.158	4.6123	7.622	5.9534	7.4298	38.605	33.408	23.506
42	Aug-01		2	19.507	4.5564	7.753	6.821	7.5173	53.087	33.47	23.723
42	Aug-01		3	19.221	4.5275	7.769	6.555	7.558	54.531	33.46	23.789
42	Aug-01		4	19.234	4.5275	7.769	6.799	7.5567	56.051	33.45	23.778
43	Aug-01		1	22.241	4.8089	7.706	4.9805	7.1559	-1.079	33.345	22.893
43	Aug-01		2	21.817	4.767	7.688	4.4892	7.2105	-1.021	33.344	23.011
43	Aug-01		3	21.077	4.7046	7.711	3.442	7.3045	18.64	33.425	23.274

Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	PH	Oxygen (mg/L)	SBE DO saturation	Transmissivity (mg/l)	Salinity (ppt)	Density
43	Aug-01		4	21.254	4.489	7.358	5.7265	7.3596	51.28	31.591	21.834
44	Aug-01		1	23.859	4.9613	7.725	3.1718	6.9564	-1.081	33.285	22.385
44	Aug-01		2	23.127	4.946	7.702	2.6074	7.0288	-1.079	33.725	22.93
44	Aug-01		3	22.24	4.8619	7.563	3.6384	7.1387	-1.081	33.757	23.207
44	Aug-01		4	22.135	4.8534	6.949	5.7584	7.1515	-1.081	33.773	23.248
46	Aug-01		1	22.398	4.8218	7.742	5.4674	7.1367	1.6963	33.324	22.834
46	Aug-01		2	21.902	4.7785	7.748	5.379	7.1984	37.88	33.368	23.006
46	Aug-01		3	20.91	4.6899	7.767	4.8009	7.3264	39.363	33.439	23.33
46	Aug-01		4	20.37	4.5457	7.628	4.8009	7.4288	42.1	32.761	22.958
47	Aug-01		1	20.801	4.6634	7.44	4.7396	7.3467	25.06	33.314	23.263
47	Aug-01		2	19.969	4.5997	7.664	5.9752	7.4535	49.847	33.455	23.592
47	Aug-01		3	19.578	4.5626	7.695	6.0556	7.5076	51.618	33.464	23.7
47	Aug-01		4	19.66	4.5649	7.721	6.148	7.4983	52.892	33.416	23.643
49	Aug-01		1	19.669	4.5698	7.759	6.3406	7.4953	49.42	33.45	23.666
49	Aug-01		2	19.688	4.5705	7.766	6.3096	7.4931	45.052	33.44	23.653
49	Aug-01		3	19.764	4.4911	7.515	6.1894	7.5139	45.533	32.736	23.097
50	Aug-01		1	22.169	4.7967	7.678	3.1815	7.1674	10.68	33.306	22.882
50	Aug-01		2	20.905	4.6986	7.711	2.8809	7.3241	36.213	33.512	23.387
50	Aug-01		3	19.98	4.6024	7.752	5.4366	7.4514	40.726	33.468	23.599
50	Aug-01		4	20.513	4.4068	7.068	5.208	7.4655	44.301	31.478	21.944
51	Aug-01		1	21.522	4.74	7.637	5.7439	7.2484	37.825	33.36	23.104
51	Aug-01		2	20.419	4.6447	7.668	5.8584	7.3916	41.492	33.462	23.478
51	Aug-01		3	19.761	4.5782	7.697	5.9575	7.4828	47.221	33.445	23.639
51	Aug-01		4	19.539	4.557	7.714	6.1999	7.5138	49.342	33.448	23.699
52	Aug-01		1	23.738	4.9568	7.799	4.7946	6.9688	1.2004	33.342	22.463
52	Aug-01		2	23.399	4.9293	7.785	2.0988	7.0086	43.213	33.389	22.597
52	Aug-01		3	22.482	4.8386	7.73	3.145	7.1233	45.029	33.39	22.86
52	Aug-01		4	21.958	3.2712	7.05	4.0982	7.6851	45.888	21.849	14.268
53	Aug-01		1	21.775	4.7832	7.707	4.4358	7.2093	44.327	33.503	23.143
53	Aug-01		2	20.911	4.7004	7.711	3.196	7.3224	35.665	33.522	23.394

Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	pH	Oxygen (mg/L)	SBE DO saturation	Transmissivity (mg/l)	Salinity (‰)	Density
53	Aug-01		3	20.576	4.6601	7.737	3.7698	7.37	35.449	33.463	23.438
53	Aug-01		4	20.491	3.7191	7.282	3.8533	7.7083	37.673	26.067	17.838
54	Aug-01		1	23.64	4.9459	7.799	4.406	6.9811	-1.081	33.332	22.485
54	Aug-01		2	23.237	4.9117	7.805	2.6871	7.0291	-1.078	33.377	22.635
54	Aug-01		3	22.46	4.6963	7.691	3.5636	7.1718	-1.08	32.312	22.049
54	Aug-01		4	21.64	2.5459	7.146	4.8323	7.9578	4.6743	16.554	10.347
55	Aug-01		1	21.4	4.7262	7.73	5.8107	7.2649	50.656	33.345	23.126
55	Aug-01		2	20.957	4.693	7.735	5.7635	7.3205	51.092	33.426	23.308
55	Aug-01		3	20.027	4.6058	7.757	5.7624	7.4455	51.992	33.458	23.579
55	Aug-01		4	19.877	4.5825	7.771	5.9859	7.4694	50.892	33.387	23.564
56	Aug-01		1	23.957	4.9842	7.739	4.8583	6.9406	63.633	33.383	22.431
56	Aug-01		2	23.522	4.9453	7.742	2.8004	6.9924	63.781	33.416	22.582
56	Aug-01		3	22.518	4.8462	7.702	5.0403	7.1174	59.697	33.421	22.874
56	Aug-01		4	22.296	4.5235	7.362	5.5508	7.2427	57.61	31.104	21.18
57	Aug-01		1	22.979	4.8791	7.766	4.4603	7.0632	-1.077	33.323	22.668
57	Aug-01		2	22.339	4.8272	7.753	2.7075	7.1407	-0.795	33.411	22.916
57	Aug-01		3	21.655	4.5644	7.672	4.0507	7.2952	20.946	31.887	21.949
57	Aug-01		4	20.968	2.4456	7.131	4.7578	8.0812	51.085	16.04	10.121
58	Aug-01		1	22.363	4.829	7.772	3.3147	7.1376	-1.081	33.407	22.906
58	Aug-01		2	22.101	4.8027	7.764	3.0246	7.1715	-1.08	33.404	22.977
58	Aug-01		3	21.344	4.7122	7.658	3.8392	7.2753	-1.077	33.278	23.09
58	Aug-01		4	21.363	3.006	7.305	4.5781	7.8499	13.451	20.073	13.072
59	Aug-01		1	23.919	4.9646	7.803	3.0146	6.9499	-1.078	33.265	22.352
59	Aug-01		2	23.368	4.9234	7.834	1.4526	7.0135	-0.933	33.367	22.589
59	Aug-01		3	22.351	4.6317	7.602	3.5187	7.2028	19.039	31.906	21.773
59	Aug-01		4	22.217	2.2881	6.883	5.601	7.976	54.408	14.307	8.4945
60	Aug-01		1	23.314	4.9202	7.772	4.3708	7.0193	7.4755	33.383	22.617
60	Aug-01		2	22.611	4.8492	7.749	2.8929	7.1075	42.336	33.374	22.811
60	Aug-01		3	22.202	4.808	7.707	5.253	7.1598	39.745	33.367	22.921
60	Aug-01		4	22.158	4.5268	7.286	5.7471	7.2557	47.43	31.218	21.303

Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	pH	Oxygen (mg/L)	SBE DO saturation	Transmissivity (mg/l)	Salinity (ppt)	Density
62	Aug-01		0.3	24.469	5.0456	7.782	-99	6.8761	72.927	33.461	22.338
62	Aug-01		0.6	24.224	5.0092	7.776	-99	6.909	68.346	33.372	22.343
62	Aug-01		0.9	23.858	4.976	7.773	-99	6.9521	69.13	33.396	22.47
62	Aug-01		1.2	23.705	4.9592	7.791	-99	6.9711	68.736	33.385	22.506
62	Aug-01		1.5	23.557	4.9429	7.803	-99	6.9897	68.767	33.373	22.539
62	Aug-01		1.8	23.457	4.9313	7.799	-99	7.0025	67.713	33.359	22.558
62	Aug-01		2.1	23.28	4.9146	7.796	-99	7.024	65.322	33.367	22.615
62	Aug-01		2.4	23.153	4.9037	7.8	-99	7.0393	61.299	33.38	22.661
62	Aug-01		2.7	22.837	4.8741	7.776	-99	7.0782	55.447	33.393	22.762
62	Aug-01		3	22.502	4.8411	7.714	-99	7.1204	50.162	33.394	22.858
62	Aug-01		3.3	22.221	4.8145	7.668	-99	7.1558	45.058	33.403	22.943
62	Aug-01		3.6	22.277	4.8267	7.388	-99	7.1466	44.908	33.455	22.967
63	Aug-01		1	22.414	4.8349	7.74	4.5108	7.131	0.9019	33.414	22.897
63	Aug-01		2	21.633	4.7598	7.725	2.6882	7.2308	34.787	33.43	23.127
63	Aug-01		3	21.429	4.7395	7.706	4.1111	7.2576	40.633	33.428	23.181
63	Aug-01		4	20.987	4.7027	7.415	5.0936	7.314	42.081	33.481	23.342
66	Aug-01		1	22.554	4.844	7.739	4.9414	7.1149	42.463	33.377	22.83
66	Aug-01		2	21.67	4.7627	7.714	4.5224	7.2263	37.369	33.423	23.111
66	Aug-01		3	21.104	4.7083	7.735	3.3985	7.3004	32.577	33.433	23.273
66	Aug-01		4	21.011	3.7812	7.395	5.1944	7.6279	36.265	26.307	17.892
68	Aug-01		1	19.746	4.5788	7.755	3.4491	7.4841	10.889	33.462	23.655
68	Aug-01		2	19.43	4.5493	7.795	6.12	7.528	49.009	33.473	23.745
68	Aug-01		3	19.223	4.5296	7.811	6.3426	7.5571	50.392	33.477	23.801
69	Aug-01		1	23.429	4.903	7.767	4.525	7.0138	49	33.167	22.421
69	Aug-01		2	21.956	4.7864	7.733	4.6729	7.1907	50.523	33.388	23.005
69	Aug-01		3	21.465	4.7398	7.702	5.099	7.2542	40.736	33.402	23.151
70	Aug-01		1	20.595	4.6525	7.628	6.3556	7.3718	37.594	33.387	23.373
70	Aug-01		2	19.453	4.5494	7.669	6.2851	7.5254	54.417	33.455	23.726
70	Aug-01		3	19.296	4.533	7.687	6.4677	7.5481	54.123	33.446	23.759
70	Aug-01		4	19.378	4.5353	7.694	6.5908	7.5387	53.9	33.399	23.702
71	Aug-01		1	22.063	4.7909	7.733	4.9492	7.1788	47.864	33.341	22.94
71	Aug-01		2	21.601	4.7498	7.726	3.6516	7.2373	37.607	33.375	23.094

Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	pH	Oxygen (mg/L)	SBE DO saturation	Transmissivity (mg/l)	Salinity (ppt)	Density
71	Aug-01		3	21.547	4.7465	7.713	5.1265	7.244	32.736	33.391	23.121
71	Aug-01		4	20.888	4.0132	7.107	5.3391	7.5578	29.583	28.12	19.296
72	Aug-01		1	22.293	4.8135	7.755	5.3822	7.1494	51.939	33.34	22.875
72	Aug-01		2	20.901	4.6912	7.778	5.372	7.3269	49.205	33.456	23.345
72	Aug-01		3	20.036	4.6053	7.801	5.4855	7.4446	49.507	33.447	23.568
72	Aug-01		4	20.043	4.5984	7.516	5.871	7.4464	50.725	33.385	23.519

Huntington Harbor & Anaheim Bay Water Column Measurements - February and April 2003

Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	pH	Oxygen (mg/L)	SBE DO saturation	Transmissivity (m <sup>2</sup> )	Salinity (ppt)	Density
1	2E+07	1132	1	16.33	3.876	8.25	8.81	7.71	43.97	30.21	21.99
1	2E+07	1132	2	15.97	4.044	8.27	9.02	10.12	44.31	31.96	23.42
1	2E+07	1132	3	15.89	4.071	8.28	9.06	14.44	46.86	32.26	23.67
2	2E+07	907	1	15.89	3.927	8.2	8.5	8.09	47.47	30.98	22.68
2	2E+07	907	2	15.93	3.968	8.21	8.91	9.12	49.1	31.32	22.93
2	2E+07	907	3	15.63	4.052	8.25	9.11	9.04	50.24	32.3	23.75
2	2E+07	907	4	15.84	4.105	8.27	9.27	9.54	53.8	32.59	23.93
2	2E+07	907	5	15.92	4.13	8.28	9.41	11.28	55.71	32.75	24.04
2	2E+07	907	6	15.59	4.153	8.29	9.56	12.3	55.77	33.24	24.48
2	2E+07	907	7	15.41	4.142	8.3	9.71	13.62	46.87	33.28	24.56
2	2E+07	907	8	15.31	4.132	8.3	9.86	16.15	48.87	33.28	24.58
2	2E+07	907	9	15.16	4.126	8.3	9.99	21.21	48.43	33.35	24.67
2	2E+07	907	10	15.09	4.123	8.31	10.05	23.71	47.21	33.39	24.71
2	2E+07	907	11	15.09	4.122	8.31	9.83	24.88	45.05	33.38	24.7
2	2E+07	907	12	14.93	4.112	8.32	9.48	27.09	45.07	33.42	24.77
2	2E+07	907	13	14.95	4.113	8.32	9.08	28.18	41.37	33.42	24.76
3	2E+07	1245	1	17.18	3.065	8.18	7.51	8.26	18.9	22.8	16.14
3	2E+07	1245	2	16.8	3.917	8.17	7.57	8.45	22.62	30.2	21.88
3	2E+07	1245	3	16.45	3.995	8.2	7.64	18.77	28.03	31.14	22.68
3	2E+07	1245	4	16.42	3.503	8.21	7.97	24.6	37.74	26.94	19.47
4	2E+07	950	1	16.06	3.96	8.25	8.59	8.48	47.88	31.15	22.77
4	2E+07	950	2	16.05	4.007	8.26	8.95	9.68	48.2	31.57	23.1
4	2E+07	950	3	15.8	4.075	8.28	9.16	10.12	49.24	32.36	23.76
4	2E+07	950	4	15.76	4.074	8.3	9.46	10.75	52.05	32.39	23.79
4	2E+07	950	5	15.64	4.084	8.31	9.69	11.82	55.01	32.58	23.97
4	2E+07	950	6	15.31	4.115	8.32	9.86	12.74	55.83	33.13	24.47
4	2E+07	950	7	15.31	4.128	8.33	9.91	13	55.68	33.24	24.55
4	2E+07	950	8	15.3	4.133	8.34	9.93	14.2	53.08	33.3	24.59
4	2E+07	950	9	15.2	4.127	8.33	10.01	16.39	50.8	33.33	24.64
4	2E+07	950	10	15.15	4.124	8.32	10.09	20.13	50.87	33.35	24.67
4	2E+07	950	11	15.06	4.12	8.33	9.99	18.96	50.01	33.38	24.71
4	2E+07	950	12	14.88	4.108	8.33	9.67	17.24	52.05	33.43	24.79



Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	pH	Oxygen (mg/L)	SBE DO saturation	Transmissivity (m <sup>2</sup> /s)	Salinity (ppt)	Density
4	2E+07	950	13	14.88	4.109	8.33	9.29	15.31	52.12	33.43	24.79
5	2E+07	1233	1	16.87	3.605	8.23	7.98	5.92	29.82	27.49	19.79
5	2E+07	1233	2	16.73	3.737	8.23	8.08	6.4	31.84	28.71	20.76
5	2E+07	1233	3	16.64	3.837	8.23	8.13	6.38	34.13	29.63	21.48
5	2E+07	1233	4	16.67	3.812	8.23	8.25	6.42	34.95	29.4	21.3
5	2E+07	1233	5	16.52	3.878	8.24	8.38	7.14	27.25	30.08	21.85
5	2E+07	1233	6	16.34	3.915	8.26	8.61	7.71	31.21	30.53	22.23
5	2E+07	1233	7	16.02	3.976	8.27	8.77	7.92	37.6	31.31	22.91
5	2E+07	1233	8	16.05	3.979	8.29	8.99	8.61	44.87	31.32	22.9
6	2E+07	1220	1	16.96	3.726	8.25	8.47	5.44	39.11	28.46	20.51
6	2E+07	1220	2	16.41	3.884	8.26	8.63	7.48	41.47	30.21	21.97
6	2E+07	1220	3	16.33	3.901	8.27	8.74	8.64	44.81	30.42	22.15
6	2E+07	1220	4	16.29	3.917	8.27	8.95	9.71	44.91	30.59	22.29
6	2E+07	1220	5	16.04	3.984	8.28	9.13	9.31	45.85	31.37	22.95
6	2E+07	1220	6	15.84	4.071	8.29	9.25	9.35	51.38	32.3	23.71
6	2E+07	1220	7	15.82	4.076	8.3	9.5	10.53	54.56	32.35	23.75
6	2E+07	1220	8	15.59	4.122	8.31	9.74	13.34	54.41	32.96	24.27
6	2E+07	1220	9	15.37	4.131	8.33	9.87	17.72	55.26	33.22	24.52
6	2E+07	1220	10	15.33	4.131	8.34	9.69	16.29	55.89	33.26	24.56
6	2E+07	1220	11	15.34	4.134	8.34	9.31	17.87	55.73	33.28	24.57
6	2E+07	1220	12	15.32	3.958	8.34	8.99	19.02	51.21	31.72	23.38
7	2E+07	1304	1	17.25	2.752	8.14	6.37	1.01	18.16	20.22	14.15
7	2E+07	1304	2	17.45	3.543	8.11	6.25	0.97	30.98	26.59	18.97
7	2E+07	1304	3	17.21	3.801	8.11	6.36	0.99	34.81	28.91	20.8
8	2E+07	1025	1	16.33	3.944	8.24	8.63	8.54	44.77	30.8	22.45
8	2E+07	1025	2	15.85	4.012	8.27	8.96	9.5	47.42	31.77	23.3
8	2E+07	1025	3	15.85	4.039	8.29	9.34	9.96	51.36	32	23.48
8	2E+07	1025	4	15.63	4.109	8.3	9.58	10.29	54.7	32.8	24.14
8	2E+07	1025	5	15.46	4.128	8.32	9.77	10.39	58.39	33.11	24.42
8	2E+07	1025	6	15.48	4.142	8.33	9.87	11.45	59.68	33.23	24.5
8	2E+07	1025	7	15.26	4.127	8.33	9.98	12.61	58.46	33.28	24.59
8	2E+07	1025	8	15.24	4.125	8.33	10	13.55	56.83	33.28	24.59
8	2E+07	1025	9	15.16	4.122	8.33	10.01	15.44	55.01	33.32	24.64
8	2E+07	1025	10	15.12	4.121	8.33	10.02	21.73	53.05	33.34	24.67
8	2E+07	1025	11	15.08	4.12	8.33	9.92	32.81	46.41	33.36	24.69

Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	PH	Oxygen (mg/L)	SBE DO saturation	Transmissivity (mg)	Salinity (ppt)	Density
8	2E+07	1025	12	15.07	4.12	8.33	9.5	29.09	41.55	33.37	24.7
8	2E+07	1025	13	15.07	4.12	8.33	9.04	25.56	42.81	33.37	24.7
9	2E+07	1139	1	16.71	3.713	8.24	8.47	6.23	38.79	28.52	20.62
9	2E+07	1139	2	16.5	3.749	8.25	8.56	7.72	38.73	28.98	21.01
9	2E+07	1139	3	16.42	3.916	8.25	8.59	8.74	40.85	30.48	22.18
9	2E+07	1139	4	16.3	4.018	8.25	8.78	9.03	43.76	31.46	22.96
9	2E+07	1139	5	16.03	4.011	8.27	8.95	9.19	48.23	31.61	23.13
9	2E+07	1139	6	16	4.003	8.28	9.03	9.05	48.74	31.56	23.11
9	2E+07	1139	7	15.99	4	8.29	9.09	9.08	48.52	31.55	23.1
9	2E+07	1139	8	15.97	4.003	8.29	9.17	9.48	48.01	31.58	23.13
9	2E+07	1139	9	15.93	4.014	8.3	9.36	10.1	48.55	31.72	23.24
9	2E+07	1139	10	15.79	4.141	8.3	9.44	10.85	48.9	32.95	24.22
10	2E+07	1213	1	16.6	3.776	8.24	8.46	5.62	36.71	29.14	21.11
10	2E+07	1213	2	16.43	3.914	8.25	8.55	6.19	42.07	30.46	22.16
10	2E+07	1213	3	16.22	3.962	8.25	8.72	6.85	44.53	31.04	22.65
10	2E+07	1213	4	16.05	4.003	8.26	8.91	7.08	46.41	31.53	23.07
10	2E+07	1213	5	16.02	4.016	8.27	9.11	7.98	48.2	31.66	23.18
10	2E+07	1213	6	15.83	4.054	8.29	9.29	8.75	49.27	32.16	23.6
10	2E+07	1213	7	15.73	4.083	8.31	9.43	9.53	50.73	32.49	23.88
10	2E+07	1213	8	15.72	4.092	8.31	9.57	11.01	51.74	32.59	23.95
10	2E+07	1213	9	15.69	4.112	8.32	9.56	13.4	52.73	32.78	24.11
10	2E+07	1213	10	15.53	4.146	8.33	9.15	15.99	54.53	33.22	24.48
10	2E+07	1213	11	15.44	3.478	8.3	8.84	18.59	49.74	27.39	20.02
11	2E+07	1043	1	16.04	4.04	8.28	9.19	6.85	45.39	31.86	23.33
11	2E+07	1043	2	15.83	4.074	8.29	9.45	9.94	50.47	32.33	23.73
11	2E+07	1043	3	15.75	4.092	8.3	9.64	11.42	51.38	32.56	23.92
11	2E+07	1043	4	15.55	4.129	8.31	9.75	10.96	52.43	33.05	24.35
11	2E+07	1043	5	15.61	4.142	8.32	9.8	11.16	53.79	33.11	24.38
11	2E+07	1043	6	15.58	4.14	8.32	9.84	11.56	54.98	33.12	24.4
11	2E+07	1043	7	15.58	4.142	8.32	9.86	11.57	55.32	33.14	24.41
11	2E+07	1043	8	15.58	4.146	8.33	9.94	11.99	55.5	33.17	24.44
11	2E+07	1043	9	15.36	4.139	8.33	10.01	13.51	52.8	33.3	24.58
11	2E+07	1043	10	15.34	4.137	8.34	10.01	18.73	50.16	33.3	24.59
11	2E+07	1043	11	15.28	4.133	8.34	9.75	20.9	46.91	33.32	24.61
11	2E+07	1043	12	15.26	4.132	8.34	9.27	23.75	44.35	33.32	24.62
11	2E+07	1043	13	15.27	3.295	8.29	9.18	24.25	42.55	25.91	18.92

Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	pH	Oxygen (mg/L)	SBE DO saturation (mg)	Transmissivity (%)	Salinity (ppt)	Density
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12	2E+07	1113	1	16.62	3.792	8.22	8.22	5.56	39.85	29.27	21.21
12	2E+07	1113	2	16.46	3.937	8.23	8.68	7.8	41.56	30.63	22.28
12	2E+07	1113	3	16.04	4.086	8.26	9.12	9.92	46.68	32.26	23.63
12	2E+07	1113	4	15.76	4.113	8.3	9.47	10.59	55.28	32.73	24.06
12	2E+07	1113	5	15.71	4.13	8.31	9.6	10.89	56.89	32.93	24.22
12	2E+07	1113	6	15.69	4.139	8.31	9.67	11.68	56.64	33.03	24.3
12	2E+07	1113	7	15.66	4.143	8.32	9.77	11.77	56.2	33.08	24.35
12	2E+07	1113	8	15.39	4.143	8.33	9.91	12.56	55.2	33.31	24.58
12	2E+07	1113	9	15.35	4.139	8.33	9.98	14.5	47.27	33.31	24.6
12	2E+07	1113	10	15.29	4.136	8.34	10.01	20.68	45.22	33.33	24.62
12	2E+07	1113	11	15.31	4.136	8.34	9.76	22.61	43.65	33.31	24.6
12	2E+07	1113	12	15.19	4.128	8.34	9.27	21.74	43.51	33.35	24.66
12	2E+07	1113	13	15.2	3.212	8.27	9.22	22.64	39.45	25.23	18.41

13	2E+07	1128	1	15.9	4.072	8.29	9.32	6.56	51.3	32.26	23.67
13	2E+07	1128	2	15.84	4.085	8.29	9.38	8.13	51.17	32.42	23.8
13	2E+07	1128	3	15.84	4.084	8.29	9.42	9.47	51.81	32.41	23.79
13	2E+07	1128	4	15.81	4.099	8.3	9.48	10	51.48	32.56	23.92
13	2E+07	1128	5	15.79	4.105	8.3	9.52	10.12	52	32.64	23.98

14	2E+07	1049	1	16.13	3.887	8.24	8.71	10.69	40.87	30.45	22.22
14	2E+07	1049	2	15.84	4.035	8.26	9.27	11.24	40.98	31.98	23.46
14	2E+07	1049	3	15.55	4.078	8.32	9.59	11.07	46.35	32.6	24
14	2E+07	1049	4	15.5	4.103	8.33	9.81	13.64	53.4	32.86	24.21
14	2E+07	1049	5	15.43	4.111	8.33	9.8	18.41	59.28	33	24.33
14	2E+07	1049	6	15.34	4.129	8.33	9.13	18.42	59.89	33.23	24.54

15	2E+07	1031	1	16.23	3.868	8.23	8.7	7.41	41	30.21	22.02
15	2E+07	1031	2	15.73	4.015	8.26	9.19	8.99	41.71	31.89	23.42
15	2E+07	1031	3	15.6	4.093	8.31	9.4	9.35	50.18	32.69	24.07
15	2E+07	1031	4	15.61	4.095	8.32	9.65	9.9	58.17	32.7	24.06
15	2E+07	1031	5	15.52	4.131	8.33	9.83	11.03	58.01	33.1	24.39
15	2E+07	1031	6	15.27	4.131	8.33	9.99	11.6	57.4	33.31	24.61
15	2E+07	1031	7	15.26	4.131	8.34	10.08	12.57	54.88	33.32	24.62
15	2E+07	1031	8	15.26	4.132	8.34	10.12	16.47	52.42	33.32	24.62
15	2E+07	1031	9	15.25	4.133	8.34	9.91	19.22	50.73	33.33	24.63
15	2E+07	1031	10	15.25	4.133	8.34	9.37	25.8	47.21	33.34	24.64
15	2E+07	1031	11	15.24	4.028	8.34	8.94	29.96	45.61	32.41	23.92

Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	pH	Oxygen (mg/L)	SBE DO saturation (mg)	Transmissivity (%)	Salinity (ppt)	Density
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16	2E+07	1252	1	17.15	2.797	8.15	7.25	9.3	16.98	20.64	14.49
16	2E+07	1252	2	16.8	3.63	8.15	7.31	7.19	25.62	27.75	20.01
17	2E+07	1206	1	16.66	3.646	8.26	6.72	1.04	35.96	27.99	20.22
17	2E+07	1206	2	16.5	3.678	8.26	7.52	3.82	36.24	28.37	20.54
17	2E+07	1206	3	16.36	3.798	8.27	7.81	5.08	37.92	29.51	21.45
17	2E+07	1206	4	16.32	3.882	8.27	7.88	5.31	40.35	30.26	22.04
17	2E+07	1206	5	16.16	3.942	8.27	7.94	5.38	43.06	30.91	22.57
17	2E+07	1206	6	15.94	4.015	8.28	8.05	5.46	45.07	31.72	23.24
17	2E+07	1206	7	15.9	4.04	8.29	8.38	6.24	48.12	31.97	23.44
17	2E+07	1206	8	15.86	4.059	8.3	8.77	7.12	49.22	32.18	23.61
17	2E+07	1206	9	15.78	4.139	8.31	9.07	8.19	51.71	32.95	24.22
17	2E+07	1206	10	15.53	4.146	8.33	9.36	8	54.3	33.22	24.48
17	2E+07	1206	11	15.46	4.145	8.33	9.2	9.84	50.34	33.27	24.54
17	2E+07	1206	12	15.43	4.144	8.34	8.81	9.09	48.88	33.28	24.55
18	2E+07	1038	1	16.22	3.933	8.25	8.62	6.36	48.26	30.79	22.46
18	2E+07	1038	2	15.86	4.054	8.27	9.24	8.54	50.19	32.13	23.57
18	2E+07	1038	3	15.57	4.094	8.32	9.57	9.57	51.31	32.72	24.09
20	2E+07	1201	1	16.73	3.66	8.25	8.58	6.78	36.99	28.05	20.25
20	2E+07	1201	2	16.36	3.823	8.26	8.76	8.24	37.53	29.72	21.61
20	2E+07	1201	3	16.11	3.955	8.27	8.85	8.76	40.62	31.06	22.7
20	2E+07	1201	4	16.09	3.984	8.28	8.91	8.5	45.66	31.33	22.91
20	2E+07	1201	5	16.09	4.042	8.27	8.92	8.37	47.13	31.83	23.29
20	2E+07	1201	6	16.03	4.053	8.28	8.99	8.14	50.68	31.98	23.42
20	2E+07	1201	7	16.02	4.063	8.28	9.13	8.39	51.12	32.08	23.5
20	2E+07	1201	8	15.93	4.073	8.29	9.18	9.21	52.23	32.24	23.64
20	2E+07	1201	9	15.87	4.092	8.3	9.33	11.55	53.34	32.45	23.82
20	2E+07	1201	10	15.99	4.134	8.3	9.41	12.49	53.18	32.73	24
20	2E+07	1201	11	15.62	4.151	8.32	9.15	12.56	53.48	33.19	24.44
20	2E+07	1201	12	15.45	4.141	8.33	8.79	10.77	52.36	33.24	24.52
21	2E+07	1017	1	15.59	3.934	8.27	8.69	7.09	50.32	31.29	22.99
21	2E+07	1017	2	15.71	3.993	8.28	8.88	8.38	50.5	31.72	23.29
21	2E+07	1017	3	15.89	4.048	8.28	9.14	8.86	49.55	32.05	23.5
21	2E+07	1017	4	15.76	4.095	8.29	9.4	9.1	50.08	32.58	23.94
21	2E+07	1017	5	15.65	4.112	8.31	9.61	9.41	56.44	32.81	24.14

Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	pH	Oxygen (mg/L)	SBE DO saturation	Transmissivity (mg)	Salinity (ppt)	Density
21	2E+07	1017	6	15.57	4.133	8.32	9.84	10.11	58.79	33.08	24.37
21	2E+07	1017	7	15.38	4.136	8.33	10.03	10.82	59.88	33.26	24.54
21	2E+07	1017	8	15.33	4.135	8.34	10.11	11.58	58.33	33.3	24.59
21	2E+07	1017	9	15.29	4.135	8.34	10.15	12.39	56.98	33.33	24.62
21	2E+07	1017	10	15.26	4.133	8.34	10.21	17.67	54.31	33.33	24.63
21	2E+07	1017	11	15.2	4.128	8.35	9.97	20.25	50.9	33.34	24.65
21	2E+07	1017	12	15.18	4.127	8.35	9.38	20.88	49.05	33.34	24.66
23	2E+07	1119	1	16.07	3.876	8.25	8.5	6.22	40.98	30.4	22.19
23	2E+07	1119	2	16.03	4.034	8.27	8.91	10.2	44.53	31.82	23.29
23	2E+07	1119	3	16.05	4.06	8.27	9.18	9.89	49.25	32.03	23.45
23	2E+07	1119	4	15.69	4.081	8.29	9.41	9.89	52.67	32.5	23.9
23	2E+07	1119	5	15.79	4.124	8.31	9.58	9.96	56.68	32.81	24.11
23	2E+07	1119	6	15.48	4.11	8.32	9.85	10.42	57.74	32.94	24.28
23	2E+07	1119	7	15.26	4.127	8.32	9.98	11.31	60.19	33.28	24.59
23	2E+07	1119	8	15.26	4.13	8.33	10.06	11.76	59.53	33.3	24.61
23	2E+07	1119	9	15.27	4.131	8.33	10.11	12.56	58.3	33.31	24.61
23	2E+07	1119	10	15.22	4.131	8.34	10.16	20.74	56.98	33.34	24.65
23	2E+07	1119	11	15.13	4.125	8.34	9.97	18.56	56.09	33.37	24.69
23	2E+07	1119	12	15.12	4.124	8.34	9.22	20.95	52.02	33.37	24.69
24	2E+07	1226	1	16.88	3.776	8.25	8.59	6.08	41.6	28.94	20.9
24	2E+07	1226	2	16.36	3.884	8.26	8.75	9.19	41.53	30.25	22.02
24	2E+07	1226	3	16.31	3.909	8.27	8.82	9.73	43.97	30.51	22.23
24	2E+07	1226	4	16.24	3.937	8.27	8.92	9.69	44.7	30.8	22.47
24	2E+07	1226	5	16.17	3.983	8.27	9.07	9.81	45.5	31.25	22.83
24	2E+07	1226	6	16.04	4.033	8.28	9.32	10.08	46.81	31.8	23.28
24	2E+07	1226	7	15.77	4.101	8.3	9.62	11.44	50	32.62	23.97
24	2E+07	1226	8	15.44	4.132	8.32	9.81	14.81	54.5	33.17	24.46
24	2E+07	1226	9	15.35	4.132	8.33	9.73	18.8	56.58	33.24	24.54
24	2E+07	1226	10	15.34	4.132	8.34	9.37	23.62	53.43	33.25	24.55
24	2E+07	1226	11	15.34	4.132	8.34	8.94	21.92	49.3	33.26	24.55
25	2E+07	1104	1	16.04	4.04	8.28	9.19	6.85	45.39	31.86	23.33
25	2E+07	1104	2	15.83	4.074	8.29	9.45	9.94	50.47	32.33	23.73
25	2E+07	1104	3	15.75	4.092	8.3	9.64	11.42	51.38	32.56	23.92
25	2E+07	1104	4	15.55	4.129	8.31	9.75	10.96	52.43	33.05	24.35
25	2E+07	1104	5	15.61	4.142	8.32	9.8	11.16	53.79	33.11	24.38
25	2E+07	1104	6	15.58	4.14	8.32	9.84	11.56	54.98	33.12	24.4

Station ID	Date (YYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	pH	Oxygen (mg/L)	SBE DO saturation (mg)	Transmissivity (mg)	Salinity (‰)	Density
25	2E+07	1104	7	15.58	4.142	8.32	9.86	11.57	55.32	33.14	24.41
25	2E+07	1104	8	15.58	4.146	8.33	9.94	11.99	55.5	33.17	24.44
25	2E+07	1104	9	15.36	4.139	8.33	10.01	13.51	52.8	33.3	24.58
25	2E+07	1104	10	15.34	4.137	8.34	10.01	18.73	50.16	33.3	24.59
25	2E+07	1104	11	15.28	4.133	8.34	9.75	20.9	46.91	33.32	24.61
25	2E+07	1104	12	15.26	4.132	8.34	9.27	23.75	44.35	33.32	24.62
25	2E+07	1104	13	15.27	3.295	8.29	9.18	24.25	42.55	25.91	18.92
27	2E+07	1147	1	16.39	3.748	8.27	8.64	6.42	39.85	29.05	21.09
27	2E+07	1147	2	16.22	3.824	8.28	8.81	7.78	39.74	29.83	21.73
27	2E+07	1147	3	16.24	3.863	8.28	8.9	8.18	41.06	30.16	21.98
27	2E+07	1147	4	16.03	3.961	8.28	9.01	8.86	42.68	31.18	22.81
27	2E+07	1147	5	15.98	3.983	8.29	9.08	12.78	44.25	31.41	22.99
27	2E+07	1147	6	15.96	3.988	8.29	9.06	41.49	45.38	31.47	23.04
28	2E+07	1003	1	15.97	3.985	8.26	8.57	7.33	46.96	31.44	23.02
28	2E+07	1003	2	15.58	3.996	8.28	9.03	8.23	49.85	31.84	23.41
28	2E+07	1003	3	15.82	4.056	8.29	9.29	9.32	51.63	32.18	23.62
28	2E+07	1003	4	15.62	4.09	8.31	9.6	10.18	53.59	32.65	24.02
28	2E+07	1003	5	15.39	4.111	8.32	9.76	10.52	56.71	33.02	24.36
28	2E+07	1003	6	15.37	4.12	8.32	9.86	11.06	58.11	33.12	24.44
28	2E+07	1003	7	15.34	4.122	8.32	9.94	11.7	58.03	33.16	24.48
28	2E+07	1003	8	15.27	4.12	8.33	10.01	12.66	57.41	33.2	24.53
28	2E+07	1003	9	15.22	4.124	8.33	10.07	13.89	56.33	33.28	24.6
28	2E+07	1003	10	15.21	4.126	8.33	10.14	17.49	55.41	33.31	24.62
28	2E+07	1003	11	15.2	4.127	8.34	10.07	16.05	55.6	33.33	24.64
28	2E+07	1003	12	15.17	4.127	8.34	9.66	13.5	55.36	33.35	24.66
28	2E+07	1003	13	15.06	4.123	8.35	9.81	16.09	57.87	33.41	24.73
29	2E+07	1258	1	17.21	2.684	8.13	6.96	4.08	15.83	19.69	13.76
29	2E+07	1258	2	16.93	3.666	8.14	6.83	6.31	30.12	27.96	20.14
29	2E+07	1258	3	16.72	4.066	8.16	6.65	6.52	36.96	31.55	22.93
30	2E+07	1010	1	16.06	3.931	8.24	8.28	5.32	44.26	30.88	22.57
30	2E+07	1010	2	15.71	4.002	8.27	8.71	6.3	48.6	31.79	23.35
30	2E+07	1010	3	15.65	4.025	8.28	9.08	8.05	50.9	32.04	23.55
30	2E+07	1010	4	15.78	4.1	8.3	9.47	9.31	50.58	32.61	23.96
30	2E+07	1010	5	15.5	4.117	8.32	9.7	10.31	55.95	32.99	24.31
30	2E+07	1010	6	15.49	4.136	8.33	9.8	10.88	58.34	33.16	24.45

Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	PH	Oxygen (mg/L)	SBE DO saturation	Transmissivity (mg)	Salinity (ppt)	Density
30	2E+07	1010	7	15.49	4.145	8.33	9.9	11.42	56.14	33.24	24.51
30	2E+07	1010	8	15.37	4.132	8.34	10.04	11.88	54.12	33.23	24.53
30	2E+07	1010	9	15.33	4.13	8.34	10.14	12.72	54.57	33.25	24.55
30	2E+07	1010	10	15.27	4.129	8.34	10.21	13.06	54.83	33.28	24.59
30	2E+07	1010	11	15.2	4.125	8.35	10	12.35	54.29	33.31	24.63
30	2E+07	1010	12	15.18	4.125	8.35	9.87	13.33	53.94	33.33	24.65
31	2E+07	957	1	15.99	3.952	8.25	8.49	6.74	46.59	31.13	22.77
31	2E+07	957	2	15.78	3.969	8.26	9.01	8.33	47.94	31.45	23.07
31	2E+07	957	3	15.98	4.099	8.27	9.29	9.42	51.69	32.43	23.77
31	2E+07	957	4	15.62	4.102	8.3	9.56	9.9	54.99	32.75	24.1
31	2E+07	957	5	15.55	4.122	8.32	9.7	9.96	56.9	32.99	24.3
31	2E+07	957	6	15.63	4.148	8.32	9.71	9.95	58.43	33.16	24.41
31	2E+07	957	7	15.57	4.155	8.33	9.73	10.56	57.72	33.27	24.51
31	2E+07	957	8	15.62	4.163	8.33	9.81	10.8	57.63	33.29	24.52
31	2E+07	957	9	15.56	4.161	8.33	9.99	11.12	54.77	33.33	24.56
31	2E+07	957	10	15.3	4.133	8.34	10.1	11.28	51.08	33.3	24.6
31	2E+07	957	11	15.25	4.129	8.35	10.12	12.44	57.64	33.31	24.62
31	2E+07	957	12	15.17	4.129	8.35	9.61	19.14	58.22	33.37	24.68
34	2E+07	1158	1	16.36	3.889	8.23	8.38	8.47	42.09	30.29	22.05
34	2E+07	1158	2	16.12	3.99	8.24	8.65	10.15	44.31	31.36	22.92
34	2E+07	1158	3	15.99	4.01	8.26	9.04	9.86	48.42	31.64	23.17
34	2E+07	1158	4	15.79	4.079	8.28	9.37	9.64	49.69	32.41	23.8
34	2E+07	1158	5	15.58	4.121	8.32	9.63	10.08	58.27	32.96	24.27
34	2E+07	1158	6	15.53	4.12	8.32	9.81	10.99	57.22	32.98	24.3
34	2E+07	1158	7	15.38	4.133	8.33	9.93	12.41	56.6	33.23	24.52
34	2E+07	1158	8	15.33	4.134	8.34	10	13.38	51.29	33.28	24.58
34	2E+07	1158	9	15.3	4.134	8.34	10.04	13.1	49.36	33.3	24.6
34	2E+07	1158	10	15.27	4.132	8.34	10.08	15.65	48.58	33.32	24.62
34	2E+07	1158	11	15.25	4.131	8.34	10.03	18.6	49.43	33.32	24.62
34	2E+07	1158	12	15.2	4.128	8.35	9.48	20.28	48.72	33.33	24.64
34	2E+07	1158	13	15.16	3.824	8.35	9.02	21.84	47.21	30.66	22.6
35	2E+07	1156	1	16.76	3.649	8.25	8.42	4.18	37.25	27.94	20.16
35	2E+07	1156	2	16.63	3.712	8.25	8.48	6.85	37.69	28.57	20.67
35	2E+07	1156	3	16.54	3.763	8.25	8.6	7.45	38.5	29.07	21.07
35	2E+07	1156	4	16.37	3.808	8.26	8.7	7.79	39.31	29.58	21.5
35	2E+07	1156	5	16.26	3.815	8.27	8.85	7.9	40.45	29.72	21.64



Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	pH	Oxygen (mg/L)	SBE DO saturation	Transmissivity (m <sup>2</sup> /d)	Salinity (‰)	Density
35	2E+07	1156	6	16.19	3.862	8.28	9	8.13	41.32	30.19	22.01
35	2E+07	1156	7	15.99	4.022	8.28	9.08	8.31	42.23	31.74	23.24
35	2E+07	1156	8	15.99	4.054	8.29	9.14	8.46	46.07	32.02	23.46
35	2E+07	1156	9	15.96	4.075	8.3	9.31	10.07	50.04	32.23	23.63
35	2E+07	1156	10	15.95	4.129	8.3	9.51	14.12	51.2	32.72	24.01
35	2E+07	1156	11	15.59	4.151	8.32	9.43	16.11	52.14	33.21	24.47
35	2E+07	1156	12	15.54	4.15	8.33	8.95	15.19	53.63	33.24	24.5
36	2E+07	330	1	16.51	4.015	7.99	8.09	-1.59	-1.08	31.27	22.77
36	2E+07	330	2	16.39	4.078	8.02	7.4	5.22	63.72	31.91	23.28
36	2E+07	330	3	16.09	4.12	8.01	6.94	3.9	52.16	32.52	23.82
36	2E+07	330	4	15.96	4.121	8.02	7.02	5.73	46.07	32.64	23.94
37	2E+07	415	1	16.18	4.038	8.05	8.79	-1.59	-1.08	31.73	23.2
37	2E+07	415	2	16.63	4.139	8.08	7.49	4.87	74.04	32.26	23.49
37	2E+07	415	3	16.17	4.131	8.04	6.82	4.9	50.9	32.55	23.83
38	2E+07	448	1	16.67	4.105	8.09	7.22	8.34	63.56	31.93	23.24
38	2E+07	448	2	16.42	4.112	8.06	6.78	8.55	50.41	32.19	23.49
38	2E+07	448	3	16.36	4.12	8.03	6.4	6.81	38.89	32.3	23.59
39	2E+07	345	1	16.47	4.023	8.08	7.55	6.12	70.16	31.37	22.86
39	2E+07	345	2	16.45	4.118	8.06	7.17	5.91	68.76	32.22	23.51
39	2E+07	345	3	16.36	4.12	8.05	6.92	5.34	58.09	32.31	23.6
39	2E+07	345	4	16.3	4.132	8.03	6.5	2.41	49.71	32.46	23.73
41	2E+07	430	1	16.15	4.036	8.09	7.53	4.12	71.18	31.74	23.21
41	2E+07	430	2	16.34	4.116	8.09	7.39	4.68	70.72	32.29	23.58
41	2E+07	430	3	16.21	4.127	8.06	6.87	3.33	54.83	32.49	23.77
42	2E+07	536	1	15.81	3.978	8.09	7.27	3.94	70.95	31.49	23.09
42	2E+07	536	2	16.03	4.11	8.09	7.19	4.75	71.29	32.49	23.81
42	2E+07	536	3	15.9	4.132	8.11	7.28	4.3	58.52	32.79	24.07
42	2E+07	536	4	15.86	4.143	8.11	7.21	4.24	52.7	32.92	24.18
43	2E+07	523	1	16.36	4.033	8.1	7.45	4.67	69.47	31.54	23.01
43	2E+07	523	2	16.21	4.105	8.08	7.12	3.85	62.91	32.29	23.62
43	2E+07	523	3	16.01	4.111	8.09	7.04	3.79	52.78	32.51	23.83
43	2E+07	523	4	15.91	4.117	8.1	7.18	3.6	49.82	32.65	23.96

Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	PH	Oxygen (mg/L)	SBE DO saturation (mg)	Transmissivity (%)	Salinity (ppt)	Density
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44	2E+07	502	1	16.71	4.057	8.08	5.9	1.1	71.18	31.48	22.88
44	2E+07	502	2	16.5	4.102	8.07	5.3	1.28	59.52	32.03	23.35
44	2E+07	502	3	16.4	4.124	8.06	5.31	1.52	32.58	32.31	23.59
44	2E+07	502	4	16.29	4.124	8.07	6.17	1.25	41.87	32.4	23.68
46	2E+07	628	1	16.3	4.03	8.11	7.38	5.21	68.73	31.56	23.04
46	2E+07	628	2	15.98	4.112	8.11	7.25	4.36	66.32	32.54	23.86
46	2E+07	628	3	15.86	4.13	8.13	7.29	3.92	53.38	32.8	24.09
46	2E+07	628	4	15.85	4.132	8.13	7.39	5.13	51.43	32.83	24.11
47	2E+07	541	1	16.02	4.006	8.11	7.42	4.46	69.35	31.57	23.11
47	2E+07	541	2	16	4.058	8.11	7.4	4.06	66.39	32.05	23.48
47	2E+07	541	3	15.93	4.119	8.11	7.31	4.36	59.54	32.64	23.95
47	2E+07	541	4	15.85	4.137	8.13	7.38	3.91	40.91	32.88	24.15
49	2E+07	550	1	16	4.009	8.11	7.39	4.54	67.39	31.61	23.14
49	2E+07	550	2	15.9	4.111	8.12	7.34	4.74	59.77	32.6	23.92
49	2E+07	550	3	15.89	4.123	8.12	7.39	4.45	60.71	32.72	24.02
49	2E+07	550	4	15.85	4.136	8.13	7.42	3.62	40.65	32.86	24.14
50	2E+07	617	1	16.08	4.033	8.11	7.52	4.04	70.07	31.77	23.25
50	2E+07	617	2	16.41	4.116	8.09	7.34	4.06	70.77	32.23	23.53
50	2E+07	617	3	15.99	4.126	8.08	6.77	3.08	56.24	32.65	23.94
52	2E+07	638	1	16.47	4.08	8.11	7.28	7.64	59.87	31.86	23.23
52	2E+07	638	2	16.55	4.124	8.09	6.78	9.56	54.99	32.19	23.46
52	2E+07	638	3	16.44	4.126	8.09	6.58	6.34	44.79	32.29	23.57
52	2E+07	638	4	16.13	4.122	8.08	6.61	3.96	43.03	32.52	23.81
53	2E+07	609	1	15.9	4.011	8.11	7.44	4.48	69.93	31.72	23.25
53	2E+07	609	2	16.12	4.128	8.08	7.01	3.74	54.82	32.57	23.85
53	2E+07	609	3	15.91	4.133	8.1	7.05	3.48	39.7	32.79	24.07
54	2E+07	648	1	16.27	4.018	8.13	7.46	6.39	70.97	31.48	22.99
54	2E+07	648	2	16.55	4.109	8.09	6.95	8.67	68.28	32.06	23.36
54	2E+07	648	3	16.45	4.119	8.07	6.35	7.6	49.17	32.23	23.52
55	2E+07	557	1	16.21	4.028	8.1	7.42	4.79	71.11	31.62	23.11

Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	PH	Oxygen (mg/L)	SBE DO saturation (mg)	Transmissivity (mg)	Salinity (ppt)	Density
55	2E+07	557	2	16.04	4.071	8.11	7.36	4.82	64.44	32.13	23.53
55	2E+07	557	3	15.97	4.102	8.11	7.32	3.85	61.79	32.47	23.81
55	2E+07	557	4	15.86	4.132	8.12	7.38	3.13	59.15	32.82	24.11
56	2E+07	710	1	16.44	4.035	8.12	7.37	5.82	72.98	31.5	22.96
56	2E+07	710	2	16.54	4.126	8.1	6.9	5.89	68.6	32.21	23.48
56	2E+07	710	3	16.44	4.132	8.09	6.43	3.49	51.49	32.35	23.61
57	2E+07	718	1	16.31	4.034	8.12	7.16	4.82	60.56	31.6	23.06
57	2E+07	718	2	16.41	4.122	8.11	6.99	4.12	63.95	32.28	23.56
57	2E+07	718	3	16.07	4.123	8.11	6.73	3.13	48.06	32.56	23.85
57	2E+07	718	4	16	4.123	8.11	6.89	3.62	46.02	32.63	23.92
59	2E+07	830	1	16.41	4.095	8.09	6.57	8.41	59.91	32.04	23.38
59	2E+07	830	2	16.37	4.119	8.07	5.69	8.61	50.09	32.28	23.58
59	2E+07	830	3	16.32	4.123	8.08	5.87	5.74	37.09	32.37	23.65
60	2E+07	845	1	16.69	4.115	8.15	7.36	6.22	73.05	31.99	23.28
60	2E+07	845	2	16.47	4.116	8.11	6.67	8.35	49.74	32.18	23.47
60	2E+07	845	3	16.35	4.121	8.09	6.1	3.9	40.36	32.32	23.61
62	2E+07	729	1	16.44	4.085	8.13	7.24	4.68	65.24	31.94	23.3
62	2E+07	729	2	16.27	4.123	8.11	6.8	3.81	62.38	32.4	23.69
62	2E+07	729	3	16.13	4.129	8.1	6.73	2.22	48.76	32.57	23.85
63	2E+07	915	1	16.22	4.086	8.14	5.37	1.07	54.08	32.12	23.48
63	2E+07	915	2	16.19	4.107	8.14	5.53	1.18	50.99	32.33	23.65
63	2E+07	915	3	15.93	4.132	8.16	6.31	1.29	49.86	32.76	24.04
64	2E+07	900	1	16.2	4.038	8.13	7.1	5.38	61.8	31.71	23.18
64	2E+07	900	2	16.47	4.107	8.1	6.62	6.81	53.52	32.1	23.41
64	2E+07	900	3	16.32	4.117	8.09	6.43	6.34	39.98	32.31	23.61
65	2E+07	923	1	16.15	4.062	8.14	7.47	2.48	67.02	31.96	23.38
65	2E+07	923	2	16.17	4.132	8.11	6.77	2.98	48.06	32.57	23.84
66	2E+07	937	1	16.43	4.074	8.14	7.45	4.11	69.66	31.84	23.22
66	2E+07	937	2	16.22	4.12	8.13	7.16	3.84	57.11	32.42	23.71
66	2E+07	937	3	15.99	4.135	8.12	6.93	2.5	44.02	32.75	24.02

Station ID	Date (YYYYMMDD)	Time	Depth (m)	Temperature (C)	Conductivity	PH	Oxygen (mg/L)	SBE DO saturation (mg)	Transmissivity (mS)	Salinity (‰)	Density
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68	2E+07	1003	1	16.05	4.066	8.11	7.22	2.15	66.9	32.08	23.49
68	2E+07	1003	2	16.05	3.201	8.12	7.56	2.22	63.18	24.61	17.77
69	2E+07	944	1	16.14	4.042	8.11	7.06	3.68	62.73	31.8	23.26
69	2E+07	944	2	16.19	4.081	8.09	6.59	5.3	42.09	32.11	23.48
70	2E+07	1007	1	16.38	4.027	8.11	7.11	3.37	47.69	31.47	22.95
71	2E+07	1028	1	16.41	4.067	8.11	7.16	3.33	66.8	31.8	23.2
71	2E+07	1028	2	16.43	4.088	8.12	7.16	4.3	63.69	31.97	23.33
72	2E+07	1035	1	16.31	4.079	8.11	7.19	3.43	63.38	31.99	23.37
72	2E+07	1035	2	16.23	4.106	8.11	6.97	4.04	49.46	32.29	23.61

Appendix 4- Detection Limits

Parameter	MDL	MDL_Units	Analytical Method
Aroclor 1016	10	ng/g	EPA 8270
Aroclor 1221	10	ng/g	EPA 8270
Aroclor 1232	10	ng/g	EPA 8270
Aroclor 1242	10	ng/g	EPA 8270
Aroclor 1248	10	ng/g	EPA 8270
Aroclor 1254	10	ng/g	EPA 8270
Aroclor 1260	10	ng/g	EPA 8270
2,4'-DDD	1	ng/g	EPA 8270
2,4'-DDE	1	ng/g	EPA 8270
2,4'-DDT	1	ng/g	EPA 8270
4,4'-DDD	1	ng/g	EPA 8270
4,4'-DDE	1	ng/g	EPA 8270
4,4'-DDT	1	ng/g	EPA 8270
Aldrin	1	ng/g	EPA 8270
BHC-alpha	1	ng/g	EPA 8270
BHC-beta	1	ng/g	EPA 8270
BHC-delta	1	ng/g	EPA 8270
BHC-gamma	1	ng/g	EPA 8270
Chlordane-alpha	1	ng/g	EPA 8270
Chlordane-gamma	1	ng/g	EPA 8270
cis-Nonachlor	1	ng/g	EPA 8270
Dicofol	1	ng/g	EPA 8270
Dieldrin	1	ng/g	EPA 8270
Endosulfan Sulfate	1	ng/g	EPA 8270
Endosulfan-I	1	ng/g	EPA 8270
Endosulfan-II	1	ng/g	EPA 8270
Endrin	1	ng/g	EPA 8270
Endrin Aldehyde	1	ng/g	EPA 8270
Endrin Ketone	1	ng/g	EPA 8270
Heptachlor	1	ng/g	EPA 8270
Heptachlor Epoxide	1	ng/g	EPA 8270
Methoxychlor	1	ng/g	EPA 8270
Mirex	1	ng/g	EPA 8270
Oxychlordane	1	ng/g	EPA 8270
Toxaphene	10	ng/g	EPA 8270
trans-Nonachlor	1	ng/g	EPA 8270
Acid Volatile Sulfides	0.05	mg/dry kg	
Percent Solids	0.1	% Dry Weight	
PCB001	1	ng/g	EPA 8270
PCB002	1	ng/g	EPA 8270
PCB003	1	ng/g	EPA 8270
PCB004	1	ng/g	EPA 8270
PCB006	1	ng/g	EPA 8270
PCB008	1	ng/g	EPA 8270
PCB009	1	ng/g	EPA 8270
PCB016	1	ng/g	EPA 8270
PCB018	1	ng/g	EPA 8270
PCB019	1	ng/g	EPA 8270
PCB022	1	ng/g	EPA 8270
PCB025	1	ng/g	EPA 8270
PCB028	1	ng/g	EPA 8270

Appendix 4- Detection Limits

<b>Parameter</b>	<b>MDL</b>	<b>MDL_Units</b>	<b>Analytical Method</b>
PCB031	1	ng/g	EPA 8270
PCB033	1	ng/g	EPA 8270
PCB037	1	ng/g	EPA 8270
PCB044	1	ng/g	EPA 8270
PCB049	1	ng/g	EPA 8270
PCB052	1	ng/g	EPA 8270
PCB056	1	ng/g	EPA 8270
PCB065	1	ng/g	EPA 8270
PCB066	1	ng/g	EPA 8270
PCB067	1	ng/g	EPA 8270
PCB070	1	ng/g	EPA 8270
PCB071	1	ng/g	EPA 8270
PCB074	1	ng/g	EPA 8270
PCB077	1	ng/g	EPA 8270
PCB081	1	ng/g	EPA 8270
PCB082	1	ng/g	EPA 8270
PCB087	1	ng/g	EPA 8270
PCB095	1	ng/g	EPA 8270
PCB097	1	ng/g	EPA 8270
PCB099	1	ng/g	EPA 8270
PCB101	1	ng/g	EPA 8270
PCB105	1	ng/g	EPA 8270
PCB110	1	ng/g	EPA 8270
PCB114	1	ng/g	EPA 8270
PCB118	1	ng/g	EPA 8270
PCB119	1	ng/g	EPA 8270
PCB123	1	ng/g	EPA 8270
PCB126	1	ng/g	EPA 8270
PCB128	1	ng/g	EPA 8270
PCB128+167	1	ng/g	EPA 8270
PCB132	1	ng/g	EPA 8270
PCB138	1	ng/g	EPA 8270
PCB141	1	ng/g	EPA 8270
PCB146	1	ng/g	EPA 8270
PCB147	1	ng/g	EPA 8270
PCB149	1	ng/g	EPA 8270
PCB151	1	ng/g	EPA 8270
PCB153	1	ng/g	EPA 8270
PCB156	1	ng/g	EPA 8270
PCB157	1	ng/g	EPA 8270
PCB158	1	ng/g	EPA 8270
PCB167	1	ng/g	EPA 8270
PCB168	1	ng/g	EPA 8270
PCB168+132	1	ng/g	EPA 8270
PCB169	1	ng/g	EPA 8270
PCB170	1	ng/g	EPA 8270
PCB173	1	ng/g	EPA 8270
PCB174	1	ng/g	EPA 8270
PCB177	1	ng/g	EPA 8270
PCB179	1	ng/g	EPA 8270
PCB180	1	ng/g	EPA 8270

#### Appendix 4- Detection Limits

<b>Parameter</b>	<b>MDL</b>	<b>MDL_Units</b>	<b>Analytical Method</b>
PCB183	1	ng/g	EPA 8270
PCB187	1	ng/g	EPA 8270
PCB189	1	ng/g	EPA 8270
PCB194	1	ng/g	EPA 8270
PCB195	1	ng/g	EPA 8270
PCB200	1	ng/g	EPA 8270
PCB201	1	ng/g	EPA 8270
PCB203	1	ng/g	EPA 8270
PCB205	1	ng/g	EPA 8270
PCB206	1	ng/g	EPA 8270
PCB209	1	ng/g	EPA 8270
1-Methylnaphthalene	1	ng/g	EPA 8270
1-Methylphenanthrene	1	ng/g	EPA 8270
2,3,5-Trimethylnaphthalene	1	ng/g	EPA 8270
2,6-Dimethylnaphthalene	1	ng/g	EPA 8270
2-Methylnaphthalene	1	ng/g	EPA 8270
2-Methylphenanthrene	0		EPA 8270
2-Methylphenanthrene	1	ng/g	EPA 8270
Acenaphthene	1	ng/g	EPA 8270
Acenaphthylene	1	ng/g	EPA 8270
Anthracene	1	ng/g	EPA 8270
Benz[a]anthracene	1	ng/g	EPA 8270
Benzo[a]pyrene	1	ng/g	EPA 8270
Benzo[b]fluoranthene	1	ng/g	EPA 8270
Benzo[e]pyrene	1	ng/g	EPA 8270
Benzo[g,h,i]perylene	1	ng/g	EPA 8270
Benzo[k]fluoranthene	1	ng/g	EPA 8270
Biphenyl	1	ng/g	EPA 8270
Chrysene	1	ng/g	EPA 8270
Dibenz[a,h]anthracene	1	ng/g	EPA 8270
Dibenzothiophene	1	ng/g	EPA 8270
Fluoranthene	1	ng/g	EPA 8270
Fluorene	1	ng/g	EPA 8270
Indeno[1,2,3-c,d]pyrene	1	ng/g	EPA 8270
Naphthalene	1	ng/g	EPA 8270
Perylene	1	ng/g	EPA 8270
Phenanthrene	1	ng/g	EPA 8270
Pyrene	1	ng/g	EPA 8270
Aluminum (Al)	1	µg/g	EPA 6020
Antimony (Sb)	0.025	µg/g	EPA 6020
Arsenic (As)	0.025	µg/g	EPA 6020
Barium (Ba)	0.025	µg/g	EPA 6020
Beryllium (Be)	0.025	µg/g	EPA 6020
Cadmium (Cd)	0.025	µg/g	EPA 6020
Chromium (Cr)	0.025	µg/g	EPA 6020
Cobalt (Co)	0.025	µg/g	EPA 6020
Copper (Cu)	0.025	µg/g	EPA 6020
Iron (Fe)	1	µg/g	EPA 6020
Lead (Pb)	0.025	µg/g	EPA 6020
Magnesium (Mg)	1	µg/dry g	EPA 6020
Manganese (Mn)	0.025	µg/g	EPA 6020



#### Appendix 4- Detection Limits

<b>Parameter</b>	<b>MDL</b>	<b>MDL_Units</b>	<b>Analytical Method</b>
Mercury (Hg)	0.01	µg/dry g	EPA 6020
Molybdenum (Mo)	0.025	µg/g	EPA 6020
Nickel (Ni)	0.025	µg/g	EPA 6020
Selenium (Se)	0.025	µg/g	EPA 6020
SEM	0.001	µmoles	EPA 6020
Silver (Ag)	0.025	µg/g	EPA 6020
Strontium (Sr)	0.025	µg/dry g	EPA 6020
Thallium (Tl)	0.025	µg/g	EPA 6020
Tin (Sn)	0.025	µg/g	EPA 6020
Titanium (Ti)	0.025	µg/g	EPA 6020
Vanadium (V)	0.025	µg/g	EPA 6020
Zinc (Zn)	0.025	µg/g	EPA 6020