2010 Bellingham Bay Marine Sediment Monitoring

Sediment Station Location Summary

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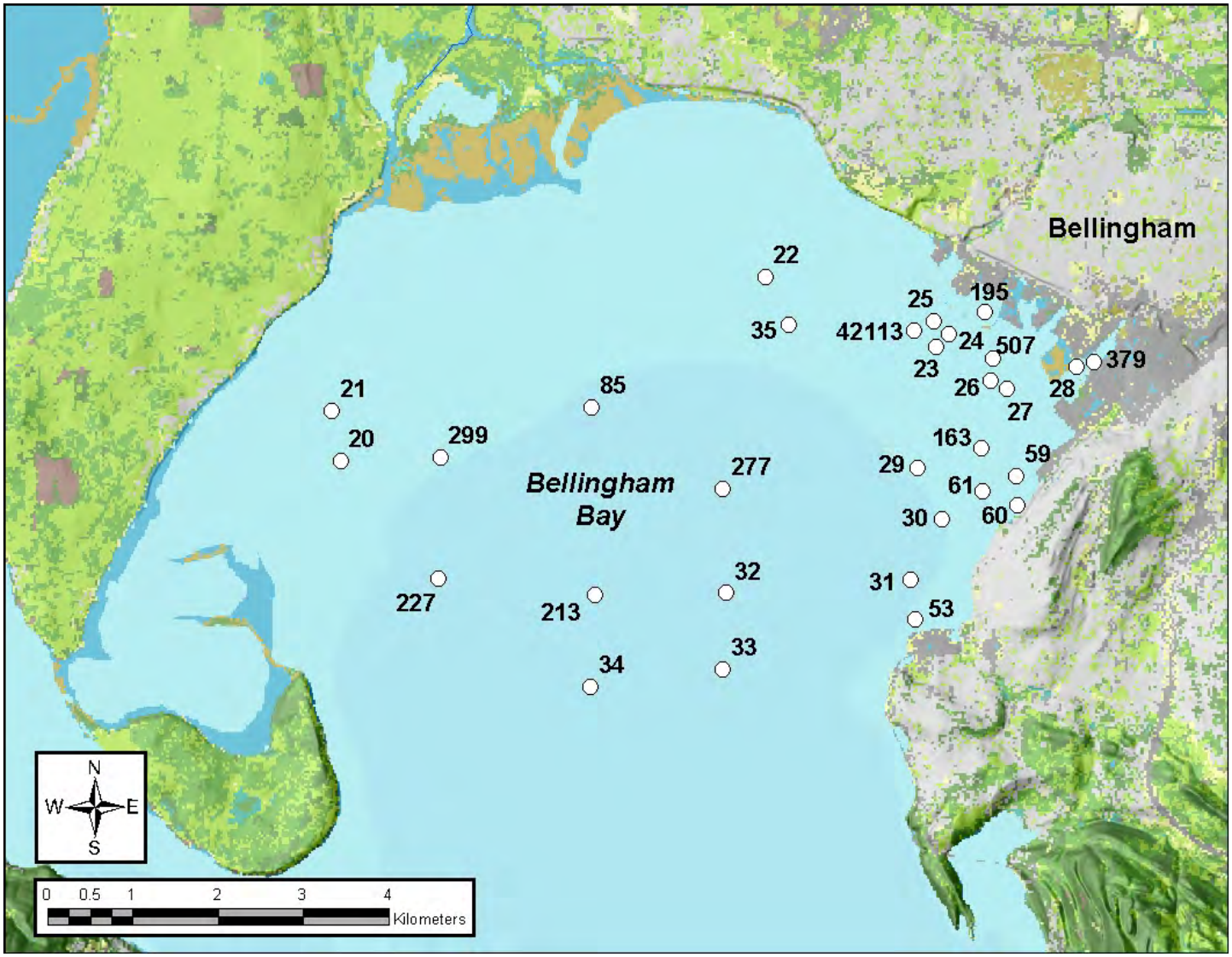
Station numbers, names, stratum types, and sample weights for the 2010 Bellingham Bay survey.

Station Number	Location	Stratum	Station Weight (km^2)
20	Northern Bellingham Bay	Rural	3.23
21	Northern Bellingham Bay	Rural	3.23
22	Bellingham Bay	Rural	3.23
23	Bellingham Bay, off Squalicum Harbor	Harbor	0.19
24	Bellingham Bay, off Squalicum Harbor	Harbor	0.19
25	Bellingham Bay, off Squalicum Harbor	Harbor	0.19
26	Bellingham Bay, off Squalicum Harbor	Harbor	0.19
27	Bellingham Bay, off Squalicum Harbor	Harbor	0.19
28	Bellingham Bay, Whatcom Waterway	Harbor	0.19
29	Bellingham Bay, South Bellingham	Urban	1.75
30	Bellingham Bay, South Bellingham	Urban	1.75
31	Bellingham Bay, South Bellingham	Urban	1.75
32	Bellingham Bay	Urban	1.75
33	Bellingham Bay	Urban	1.75
34	Bellingham Bay	Urban	1.75
35	Bellingham Bay (central)	Urban	1.75
53	Bellingham Bay	Urban	1.75
59	Bellingham Bay, South Bellingham	Urban	1.75
60	Bellingham Bay, South Bellingham	Urban	1.75
61	Bellingham Bay, South Bellingham	Urban	1.75
85	Bellingham Bay (central)	Urban	1.75
163	Bellingham Bay	Urban	1.75
195	Bellingham Bay	Harbor	0.19
213	Bellingham Bay (central)	Urban	1.75
227	Bellingham Bay (central)	Urban	1.75
277	Bellingham Bay (central)	Urban	1.75
299	Bellingham Bay (central)	Urban	1.75
379	Bellingham Bay	Harbor	0.19
507	Bellingham Bay	Harbor	0.19
42113	Bellingham Bay	Harbor	0.19

Number of stations and area (km^2) represented in each stratum type for the 2010 Bellingham Bay survey.

Sampling stratum	Number of successful stations	Total Area (km^2)
Harbor	10	1.9
Rural	3	196.12
Urban	17	29.75
Total	**30**	**41.34**



Station locations for the 2010 Bellingham Bay survey.

Navigation report for the 2010 Bellingham Bay survey.

Station ID	Date	Station Target NAD 1983 Decimal Minutes Latitude	Station Target NAD 1983 Decimal Minutes Longitude	Latitude	Longitude	GPS Time	Distance to Target (m)	Meter Wheel Depth (m)	Predicted Tide (m.): Nearest Station	Predicted Mudline Depth (m) (MLLW)	GPS Status HDOP <2 good
20	8-Jun-10	48 44.2670	122 36.4330	48 44.2668	122 36.4312	0921	2.2	8.3	0.06	-8.2	1.4
				48 44.2670	122 36.4331	0933	0.1	8.0	0.07	-7.9	1.4
				48 44.2668	122 36.4314	0943	2.0	8.2	0.08	-8.1	1.8
				48 44.2672	122 36.4331	0951	0.4	8.5	0.10	-8.4	1.5
21	8-Jun-10	48 44.5830	122 36.5330	48 44.5832	122 36.5323	1015	0.9	6.3	0.16	-6.1	1.8
				48 44.5826	122 36.5323	1023	1.1	6.4	0.19	-6.2	1.8
				48 44.5830	122 36.5334	1044	0.5	6.3	0.27	-6.0	1.6
				48 44.5823	122 36.5317	1116	2.1	6.7	0.43	-6.3	1.0
299	8-Jun-10	48 44.3049	122 35.4809	48 44.3049	122 35.4809	1140	0.0	13.4	0.56	-12.8	1.3
				48 44.3048	122 35.4810	1155	0.2	13.0	0.65	-12.4	1.4
				48 44.3038	122 35.4803	1205	2.2	13.2	0.72	-12.5	1.2
227	8-Jun-10	48 43.5441	122 35.4737	48 43.5443	122 35.4721	1342	2.0	24.3	1.38	-22.9	1.0
				48 43.5449	122 35.4730	1355	1.7	24.3	1.48	-22.8	1.0
				48 43.5447	122 35.4736	1406	1.1	24.3	1.54	-22.8	1.0
213	8-Jun-10	48 43.4614	122 33.9692	48 43.4615	122 33.9688	1434	0.5	28.5	1.62	-26.9	1.3
				48 43.4610	122 33.9695	1455	0.8	29.0	1.72	-27.3	1.3
				48 43.4619	122 33.9680	1506	1.7	29.2	1.77	-27.4	1.3
34	8-Jun-10	48 42.8830	122 33.9830	48 42.8833	122 33.9822	1534	1.1	31.0	1.87	-29.1	1.0
				48 42.8829	122 33.9829	1547	0.2	31.3	1.91	-29.4	1.0
				48 42.8826	122 33.9831	1604	0.8	31.3	1.96	-29.3	1.0
29	9-Jun-10	48 44.3170	122 30.9170	48 44.3170	122 30.9157	0847	1.6	13.4	-0.12	-13.5	1.3
				48 44.3170	122 30.9166	0857	0.5	13.9	-0.15	-14.1	1.6
				48 44.3167	122 30.9162	0908	1.1	13.8	-0.18	-14.0	1.6
				48 44.3174	122 30.9168	0920	0.8	13.7	-0.20	-13.9	1.4
30	9-Jun-10	48 44.0000	122 30.6670	48 44.0007	122 30.6665	0944	1.4	14.1	-0.22	-14.3	1.5
				48 44.0001	122 30.6678	0954	1.0	14.4	-0.22	-14.6	1.7
				48 43.9996	122 30.6659	1011	1.5	14.2	-0.20	-14.4	1.8

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31	9-Jun-10	48 43.6170	122 30.9500	48 43.6168	122 30.9497	1100	0.5	17.7	-0.05	-17.8	1.0
				48 43.6176	122 30.9502	1110	1.1	17.9	0.00	-17.9	1.0
				48 43.6171	122 30.9498	1124	0.3	17.8	0.07	-17.7	1.0
33	9-Jun-10	48 43.0170	122 32.7330	48 43.0161	122 32.7324	1154	1.8	30.5	0.24	-30.3	1.5
				48 43.0167	122 32.7332	1203	0.6	30.5	0.29	-30.2	1.5
				48 43.0167	122 32.7324	1213	0.9	30.7	0.37	-30.3	1.4
85	9-Jun-10	48 44.6483	122 34.0446	48 44.6483	122 34.0446	1358	0.0	17.5	1.15	-16.4	1.0
				48 44.6483	122 34.0440	1408	0.7	17.5	1.23	-16.3	1.2
				48 44.6478	122 34.0443	1417	1.0	17.6	1.31	-16.3	1.2
277	9-Jun-10	48 44.1538	122 32.7727	48 44.1538	122 32.7726	1441	0.1	24.3	1.50	-22.8	1.3
				48 44.1538	122 32.7729	1452	0.2	24.3	1.58	-22.7	1.3
				48 44.1539	122 32.7733	1503	0.8	24.6	1.65	-23.0	1.2
53	10-Jun-10	48 43.3609	122 30.8965	48 43.3607	122 30.8955	0848	1.3	12.4	-0.17	-12.6	1.6
				48 43.3602	122 30.8966	0859	1.3	12.2	-0.24	-12.4	1.6
				48 43.3622	122 30.8958	0908	2.6	12.0	-0.30	-12.3	1.6
				48 43.3613	122 30.8962	0920	0.8	12.1	-0.35	-12.5	1.4
60	10-Jun-10	48 44.1000	122 29.9500	48 44.1001	122 29.9499	0946	0.2	5.9	-0.44	-6.3	1.6
				48 44.1000	122 29.9503	0958	0.4	5.8	-0.46	-6.3	1.7
				48 44.0998	122 29.9503	1008	0.5	5.7	-0.47	-6.2	1.8
61	10-Jun-10	48 44.1830	122 30.2830	48 44.1835	122 30.2828	1141	1.0	10.7	-0.23	-10.9	1.4
				48 44.1832	122 30.2830	1152	0.4	10.8	-0.17	-11.0	1.5
				48 44.1823	122 30.2816	1207	2.2	10.8	-0.08	-10.9	1.4
32	10-Jun-10	48 43.5000	122 32.7170	48 43.5000	122 32.7174	1414	0.5	28.6	0.94	-27.7	1.1
				48 43.5004	122 32.7172	1430	0.8	28.7	1.09	-27.6	1.3
				48 43.4992	122 32.7169	1442	1.5	28.9	1.21	-27.7	1.4
22	10-Jun-10	48 45.5000	122 32.4170	48 45.5002	122 32.4174	1527	0.6	3.3	1.62	-1.7	1.0
				48 45.5002	122 32.4174	1541	0.6	3.3	1.72	-1.6	1.0
				48 45.5003	122 32.4170	1549	0.6	3.2	1.79	-1.4	1.0
				48 45.5002	122 32.4172	1557	0.4	3.4	1.85	-1.6	1.0

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379	11-Jun-10	48 45.0152	122 29.2478	48 45.0152	122 29.2481	0820	0.4	7.8	0.25	-7.6	1.7
				48 45.0148	122 29.2476	0837	0.8	7.5	0.07	-7.4	1.3
				48 45.0148	122 29.2478	0946	0.7	7.3	-0.01	-7.3	1.3
28	11-Jun-10	48 44.9800	122 29.4100	48 44.9799	122 29.4109	0917	1.1	5.2	-0.28	-5.5	1.4
				48 44.9801	122 29.4102	0928	0.3	5.2	-0.36	-5.6	1.8
				48 44.9804	122 29.4099	0937	0.8	5.8	-0.42	-6.2	1.5
				48 44.9802	122 29.4087	0951	1.6	5.8	-0.50	-6.3	1.7
59	11-Jun-10	48 44.2830	122 29.9670	48 44.2830	122 29.9677	1158	0.9	7.5	-0.53	-8.0	1.4
				48 44.2830	122 29.9673	1212	0.4	7.6	-0.45	-8.1	1.0
				48 44.2834	122 29.9677	1222	1.1	7.7	-0.39	-8.1	1.0
				48 44.2836	122 29.9674	1231	1.2	7.7	-0.33	-8.0	1.0
163	11-Jun-10	48 44.4512	122 30.3037	48 44.4509	122 30.3040	1433	0.7	10.0	0.70	-9.3	1.3
				48 44.4506	122 30.3037	1447	1.1	10.0	0.85	-9.2	1.3
				48 44.4513	122 30.3031	1501	0.8	10.5	0.99	-9.5	1.2
35	11-Jun-10	48 45.2021	122 32.1773	48 45.2024	122 32.1765	1541	1.1	11.9	1.39	-10.5	1.0
				48 45.2029	122 32.1783	1551	1.9	11.8	1.50	-10.3	1.0
				48 45.2020	122 32.1785	1603	1.5	12.0	1.63	-10.4	1.0
195	14-Jun-10	48 45.3127	122 30.3086	48 45.3131	122 30.3138	1011	6.4	4.2	0.35	-3.9	1.8
				48 45.3119	122 30.3135	1025	6.2	4.1	0.19	-3.9	1.6
				48 45.3128	122 30.3144	1039	7.1	4.0	0.03	-4.0	1.0
23	14-Jun-10	48 45.0830	122 30.7670	48 45.0829	122 30.7673	1135	0.4	6.0	-0.50	-6.5	1.6
				48 45.0831	122 30.7669	1150	0.2	6.0	-0.61	-6.6	1.4
				48 45.0825	122 30.7669	1203	0.9	5.9	-0.69	-6.6	1.0
				48 45.0825	122 30.7664	1221	1.2	5.9	-0.78	-6.7	1.0
24	14-Jun-10	48 45.1670	122 30.6500	48 45.1668	122 30.6489	1356	1.4	4.9	-0.75	-5.7	1.3
				48 45.1670	122 30.6497	1410	0.4	4.9	-0.68	-5.6	1.3
				48 45.1663	122 30.6489	1420	1.9	4.8	-0.62	-5.4	1.0
				48 45.1664	122 30.6512	1442	1.8	4.9	-0.50	-5.4	1.0
				48 45.1679	122 30.6511	1459	2.1	5.0	-0.31	-5.3	1.2

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25	15-Jun-10	48 45.2500	122 30.8000	48 45.2498	122 30.7998	0829	0.4	6.6	1.86	-4.7	1.3
				48 45.2491	122 30.7991	0842	2.0	6.4	1.76	-4.6	1.6
				48 45.2504	122 30.8000	0854	0.7	6.6	1.68	-4.9	1.4
42113	15-Jun-10	48 45.1872	122 30.9762	48 45.1870	122 30.9755	0920	0.9	8.0	1.50	-6.5	1.5
				48 45.1868	122 30.9748	0933	1.9	8.0	1.31	-6.7	1.6
				48 45.1867	122 30.9760	0947	1.0	8.0	1.21	-6.8	1.8
				48 45.1870	122 30.9757	1002	0.7	7.8	1.10	-6.7	1.7
026	15-Jun-10	48 44.8830	122 30.2330	48 44.8833	122 30.2324	1049	0.9	6.1	0.56	-5.5	1.0
				48 44.8828	122 30.2339	1100	1.2	6.2	0.45	-5.8	1.0
				48 44.8839	122 30.2333	1114	1.7	6.0	0.24	-5.8	1.3
				48 44.8836	122 30.2323	1125	1.4	6.0	0.14	-5.9	1.4
027	15-Jun-10	48 44.8330	122 30.0830	48 44.8330	122 30.0835	1316	0.6	5.1	-0.67	-5.8	1.0
				48 44.8335	122 30.0824	1328	1.2	5.0	-0.70	-5.7	1.0
				48 44.8331	122 30.0828	1340	0.3	5.0	-0.72	-5.7	1.0
				48 44.8326	122 30.0823	1358	1.1	5.0	-0.74	-5.7	1.0
507	15-Jun-10	48 45.0194	122 30.2245	48 45.0191	122 30.2242	1454	0.7	4.7	-0.57	-5.3	1.1
				48 45.0190	122 30.2244	1506	0.8	4.8	-0.52	-5.3	1.0
				48 45.0190	122 30.2248	1521	0.8	4.8	-0.45	-5.3	1.0