SAIC **Sediment Profiling Imaging** **Arranged by Station Number**

Port Gardner Sediment Characterization SOFTWARE: Corpscon 5.11.08

July 2008 **R/V Kittiwake**

Station No.	Sample Rep.	Date	GPS Time	Meter Wheel Depth m.	Meter Wheel Depth ft.	Predicted Nearest Tide ft.	Predicted Mudline Depth, ft. (MLLW)	Sample Target NAD 1983, Decimal Minutes Latitude	Sample Target Longitude	Sample Target NAD 1983, SPCS, Wa. N.. Easting (x)	Sample Target Northing (y)	Sample Location DGPS Trimble NT300D NAD 1983, SPCS, Wa. N. Easting (x)	Sample Location Northing (y)	Sample Location DGPS Trimble NT300D NAD 1983, Decimal Minutes Latitude	Sample Location Longitude	Distance to Target (m.)	GPS Status HDOP good < 2	Comments
A1-01	1	30-Jul	0949	9.4	30.8	-2.7	-33.5	47 59.2929	122 13.1447	1301099.9	363525.7	1301100.4	363533.6	47 59.2942	122 13.1446	2.4		
	2		0950	9.5	31.2	-2.7	-33.9			1301099.9	363525.7	1301102.5	363537.2	47 59.2948	122 13.1441	3.6	0.9	
	3		0950	9.6	31.5	-2.7	-34.2			1301099.9	363525.7	1301101.0	363542.1	47 59.2956	122 13.1445	5.0		
A1-02	1	30-Jul	0957	13.0	42.7	-2.7	-45.4	47 59.2600	122 13.2550	1300646.2	363333.9	1300652.6	363324.6	47 59.2585	122 13.2534	3.4		
	2		0958	12.9	42.3	-2.7	-45.0			1300646.2	363333.9	1300648.0	363319.8	47 59.2577	122 13.2545	4.3	0.9	
	3		0958	12.9	42.3	-2.7	-45.0			1300646.2	363333.9	1300646.3	363319.9	47 59.2577	122 13.2549	4.3		
	4	30-Jul	1020	13.2	43.3	-2.5	-45.8	47 59.2600	122 13.2550	1300646.2	363333.9	1300639.3	363338.2	47 59.2607	122 13.2567	2.5		
	5		1021	13.2	43.3	-2.5	-45.8			1300646.2	363333.9	1300636.9	363338.9	47 59.2608	122 13.2573	3.2	1.0	
	6		1021	13.2	43.3	-2.5	-45.8			1300646.2	363333.9	1300636.1	363340.1	47 59.2610	122 13.2575	3.6		
A1-02B	1	30-Jul	1005	9.0	29.5	-2.7	-32.2	47 59.3000	122 13.3290	1300348.6	363582.5	1300352.1	363572.1	47 59.2983	122 13.3281	3.3		New station
	2		1006	9.0	29.5	-2.7	-32.2			1300348.6	363582.5	1300351.4	363576.9	47 59.2991	122 13.3283	1.9	1.0	
	3		1006	9.0	29.5	-2.7	-32.2			1300348.6	363582.5	1300350.9	363576.3	47 59.2990	122 13.3284	2.0		
A1-03	1	30-Jul	1026	9.5	31.2	-2.4	-33.6	47 59.1879	122 13.3154	1300391.8	362900.0	1300379.9	362896.6	47 59.1873	122 13.3183	3.8		
	2		1027	9.4	30.8	-2.4	-33.2			1300391.8	362900.0	1300379.1	362898.4	47 59.1876	122 13.3185	3.9	1.0	
	3		1027	9.4	30.8	-2.4	-33.2			1300391.8	362900.0	1300380.4	362900.2	47 59.1879	122 13.3182	3.5		
A1-04	1	30-Jul	1037	7.0	23.0	-2.2	-25.2	47 59.1900	122 13.1419	1301100.0	362900.0	1301100.4	362895.8	47 59.1893	122 13.1418	1.3		
	2		1037	7.1	23.3	-2.2	-25.5			1301100.0	362900.0	1301103.7	362900.0	47 59.1900	122 13.1410	1.1	0.9	
	3		1038	7.2	23.6	-2.2	-25.8			1301100.0	362900.0	1301103.8	362903.0	47 59.1905	122 13.1410	1.5		
A1-05	1	30-Jul	1044	11.0	36.1	-2.0	-38.1	47 59.1287	122 13.2442	1300675.9	362534.9	1300673.2	362524.0	47 59.1269	122 13.2448	3.4		
	2		1045	11.1	36.4	-2.0	-38.4			1300675.9	362534.9	1300672.1	362527.7	47 59.1275	122 13.2451	2.5	0.9	
	3		1045	11.2	36.7	-2.0	-38.7			1300675.9	362534.9	1300664.9	362537.6	47 59.1291	122 13.2469	3.4		
A1-06	1	30-Jul	1058	10.1	33.1	-1.7	-34.8	47 59.0955	122 13.3494	1300242.9	362340.9	1300235.2	362344.7	47 59.0961	122 13.3513	2.6		
	2		1059	10.0	32.8	-1.6	-34.4			1300242.9	362340.9	1300227.3	362335.1	47 59.0945	122 13.3532	5.1	0.9	
	3		1059	10.2	33.5	-1.6	-35.1			1300242.9	362340.9	1300231.1	362340.5	47 59.0954	122 13.3523	3.6		
A1-07	1	30-Jul	1105	7.8	25.6	-1.5	-27.1	47 59.0832	122 13.5801	1299300.1	362283.1	1299295.6	362281.4	47 59.0829	122 13.5812	1.5		
	2		1106	7.9	25.9	-1.4	-27.3			1299300.1	362283.1	1299295.2	362282.6	47 59.0831	122 13.5813	1.5	0.9	
	3		1107	7.7	25.3	-1.4	-26.7			1299300.1	362283.1	1299290.0	362286.4	47 59.0837	122 13.5826	3.2		
A1-08	1	30-Jul	1114	11.6	38.1	-1.2	-39.3	47 59.0307	122 13.2526	1300630.8	361939.9	1300637.3	361936.7	47 59.0302	122 13.2510	2.2		
	2		1115	11.2	36.7	-1.2	-37.9			1300630.8	361939.9	1300635.0	361941.0	47 59.0309	122 13.2516	1.3	0.9	
	3		1115	11.4	37.4	-1.2	-38.6			1300630.8	361939.9	1300632.9	361941.0	47 59.0309	122 13.2521	0.7		
A1-09	1	30-Jul	1122	8.8	28.9	-0.9	-29.8	47 59.0105	122 13.4490	1299827.1	361831.5	1299834.9	361830.2	47 59.0103	122 13.4471	2.4		New target
	2		1123	9.0	29.5	-0.9	-30.4			1299827.1	361831.5	1299827.1	361831.5	47 59.0105	122 13.4490	0.0	0.8	Moved 55 meters
	3		1123	9.1	29.9	-0.9	-30.8			1299827.1	361831.5	1299822.7	361832.8	47 59.0107	122 13.4501	1.4		east of log raft
A1-10	1	30-Jul	1130	9.4	30.8	-0.7	-31.5	47 58.9866	122 13.1857	1300899.0	361666.9	1300897.1	361671.2	47 58.9873	122 13.1862	1.4		
	2		1131	9.3	30.5	-0.7	-31.2			1300899.0	361666.9	1300899.9	361669.3	47 58.9870	122 13.1855	0.8	0.9	
	3		1131	9.2	30.2	-0.6	-30.8			1300899.0	361666.9	1300893.8	361671.2	47 58.9873	122 13.1870	2.1		
A1-11	1	30-Jul	1139	11.2	36.7	-0.3	-37.0	47 58.9419	122 13.4293	1299900.0	361413.1	1299903.5	361403.9	47 58.9404	122 13.4284	3.0		
	2		1140	11.2	36.7	-0.3	-37.0			1299900.0	361413.1	1299901.4	361401.5	47 58.9400	122 13.4289	3.6	0.9	
	3		1140	11.2	36.7	-0.3	-37.0			1299900.0	361413.1	1299896.4	361396.7	47 58.9392	122 13.4301	5.1		

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July 2008 **R/V Kittiwake**

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A1-12	1	30-Jul	1146	12.8	42.0	-0.1	-42.1	47 58.8925	122 13.2533	1300612.8	361099.8	1300619.7	361093.0	47 58.8914	122 13.2516	2.9		
	2		1147	12.9	42.3	0.0	-42.3			1300612.8	361099.8	1300628.4	361101.4	47 58.8928	122 13.2495	4.8	1.0	
	3		1148	13.0	42.7	0.0	-42.7			1300612.8	361099.8	1300625.1	361100.2	47 58.8926	122 13.2503	3.7		
A1-13	1	30-Jul	1155	16.5	54.1	0.3	-53.8	47 58.8886	122 13.5782	1299286.5	361100.1	1299295.4	361100.5	47 58.8887	122 13.5760	2.7		
	2		1155	16.6	54.5	0.3	-54.2			1299286.5	361100.1	1299296.3	361099.9	47 58.8886	122 13.5758	3.0	1.0	
	3		1156	16.6	54.5	0.3	-54.2			1299286.5	361100.1	1299294.6	361100.6	47 58.8887	122 13.5762	2.5		
A1-14	1	30-Jul	1305	14.5	47.6	3.4	-44.2	47 58.8708	122 13.4330	1299877.1	360981.2	1299874.3	360984.3	47 58.8713	122 13.4337	1.3		
	2		1305	14.5	47.6	3.5	-44.1			1299877.1	360981.2	1299873.5	360985.5	47 58.8715	122 13.4339	1.7	1.0	
	3		1306	14.6	47.9	3.5	-44.4			1299877.1	360981.2	1299872.6	360983.7	47 58.8712	122 13.4341	1.6		
A1-15	1	30-Jul	1311	17.6	57.7	3.7	-54.0	47 58.7957	122 13.5195	1299515.8	360531.1	1299508.0	360528.2	47 58.7952	122 13.5214	2.5		
	2		1311	17.8	58.4	3.8	-54.6			1299515.8	360531.1	1299506.3	360525.8	47 58.7948	122 13.5218	3.3	1.0	
	3		1312	17.8	58.4	3.9	-54.5			1299515.8	360531.1	1299504.7	360525.8	47 58.7948	122 13.5222	3.8		
A1-16	1	30-Jul	1319	16.0	52.5	4.1	-48.4	47 58.7964	122 13.3519	1300199.9	360523.0	1300203.2	360524.7	47 58.7967	122 13.3511	1.1		
	2		1320	16.1	52.8	4.2	-48.6			1300199.9	360523.0	1300208.9	360521.6	47 58.7962	122 13.3497	2.8	1.0	
	3		1320	16.1	52.8	4.2	-48.6			1300199.9	360523.0	1300212.9	360517.2	47 58.7955	122 13.3487	4.3		
A1-17	1	30-Jul	1337	21.2	69.6	5.0	-64.6	47 58.7397	122 13.6478	1298986.0	360200.1	1298980.8	360203.3	47 58.7402	122 13.6491	1.9		
	2		1338	21.2	69.6	5.0	-64.6			1298986.0	360200.1	1298985.3	360205.0	47 58.7405	122 13.6480	1.5	0.9	
	3		1338	21.3	69.9	5.0	-64.9			1298986.0	360200.1	1298989.0	360205.0	47 58.7405	122 13.6471	1.7		
A1-18	1	30-Jul	1344	32.4	106.3	5.3	-101.0	47 58.7379	122 13.7913	1298400.1	360199.8	1298413.7	360205.0	47 58.7388	122 13.7880	4.4		
	2		1344	32.4	106.3	5.3	-101.0			1298400.1	360199.8	1298406.3	360202.1	47 58.7383	122 13.7898	2.0		
	3		1345	32.4	106.3	5.3	-101.0			1298400.1	360199.8	1298403.0	360199.2	47 58.7378	122 13.7906	0.9	0.9	
	4		1345	32.6	107.0	5.4	-101.6			1298400.1	360199.8	1298402.5	360194.3	47 58.7370	122 13.7907	1.8		
A1-19	1	30-Jul	1354	69.8	229.0	5.8	-223.2	47 58.7325	122 14.2322	1296600.1	360199.7	1296622.7	360183.5	47 58.7299	122 14.2266	8.5		
	2		1355	69.7	228.7	5.8	-222.9			1296600.1	360199.7	1296627.4	360177.3	47 58.7289	122 14.2254	10.8	0.9	
	3		1355	69.7	228.7	5.8	-222.9			1296600.1	360199.7	1296624.6	360179.8	47 58.7293	122 14.2261	9.6		
A1-20	1	30-Jul	1409	16.3	53.5	6.4	-47.1	47 58.7120	122 13.5187	1299509.9	360022.2	1299520.4	360016.0	47 58.7110	122 13.5161	3.7		
	2		1410	16.3	53.5	6.5	-47.0			1299509.9	360022.2	1299524.0	360012.8	47 58.7105	122 13.5152	5.2	0.9	
	3		1410	16.2	53.1	6.5	-46.6			1299509.9	360022.2	1299527.2	360009.7	47 58.7100	122 13.5144	6.5		
A1-21	1	30-Jul	1416	19.8	65.0	6.7	-58.3	47 58.6571	122 13.5917	1299205.9	359693.9	1299211.6	359691.4	47 58.6567	122 13.5903	1.9		
	2		1417	19.8	65.0	6.7	-58.3			1299205.9	359693.9	1299214.0	359688.9	47 58.6563	122 13.5897	2.9	1.0	
	3		1417	19.7	64.6	6.8	-57.8			1299205.9	359693.9	1299218.0	359688.8	47 58.6563	122 13.5887	4.0		
A1-22	1	30-Jul	1425	40.8	133.9	7.1	-126.8	47 58.6301	122 13.8002	1298351.9	359545.2	1298345.9	359552.6	47 58.6313	122 13.8017	2.9		
	2		1425	40.9	134.2	7.1	-127.1			1298351.9	359545.2	1298345.2	359555.1	47 58.6317	122 13.8019	3.6	1.0	
	3		1426	40.7	133.5	7.1	-126.4			1298351.9	359545.2	1298349.7	359557.4	47 58.6321	122 13.8008	3.8		
A1-23	1	30-Jul	1433	75.3	247.0	7.4	-239.6	47 58.5872	122 14.0078	1297499.9	359299.8	1297513.1	359285.0	47 58.5848	122 14.0045	6.1		
	2		1433	74.8	245.4	7.4	-238.0			1297499.9	359299.8	1297525.8	359290.2	47 58.5857	122 14.0014	8.4	0.9	
	3		1434	74.7	245.1	7.5	-237.6			1297499.9	359299.8	1297534.0	359290.7	47 58.5858	122 13.9994	10.8		

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A1-24	1	30-Jul	1441	20.0	65.6	7.7	-57.9	47 58.5869	122 13.6466	1298974.1	359271.2	1298950.8	359271.7	47 58.5869	122 13.6523	7.1		
	2		1442	19.8	65.0	7.8	-57.2			1298974.1	359271.2	1298969.2	359270.7	47 58.5868	122 13.6478	1.5	0.9	
	3		1443	19.2	63.0	7.8	-55.2			1298974.1	359271.2	1298984.2	359268.6	47 58.5865	122 13.6441	3.2		
A1-25	1	29-Jul	1359	19.7	64.6	7.7	-56.9	47 58.5088	122 13.7339	1298609.2	358803.0	1298624.7	358780.8	47 58.5052	122 13.7300	8.2		
	2		1400	19.4	63.6	7.7	-55.9			1298609.2	358803.0	1298626.0	358786.2	47 58.5061	122 13.7297	7.2	0.9	
	3		1401	19.5	64.0	7.8	-56.2			1298609.2	358803.0	1298629.7	358785.0	47 58.5059	122 13.7288	8.3		
A1-26	1	29-Jul	1411	30.3	99.4	8.1	-91.3	47 58.5030	122 13.8330	1298204.0	358775.0	1298226.5	358798.4	47 58.5069	122 13.8276	9.9		
	2		1411	31.0	101.7	8.2	-93.5			1298204.0	358775.0	1298216.9	358811.9	47 58.5091	122 13.8300	11.9	0.9	
	3		1412	31.2	102.4	8.2	-94.2			1298204.0	358775.0	1298208.2	358801.1	47 58.5073	122 13.8321	8.0		
A1-27	1	30-Jul	1511	53.0	173.9	8.8	-165.1	47 58.3973	122 14.0135	1297455.6	358145.9	1297456.4	358144.7	47 58.3971	122 14.0133	0.4		
	2		1511	52.5	172.2	8.8	-163.4			1297455.6	358145.9	1297464.1	358144.0	47 58.3970	122 14.0114	2.7	0.8	
	3		1512	52.2	171.3	8.8	-162.5			1297455.6	358145.9	1297469.5	358144.5	47 58.3971	122 14.0101	4.2		
A1-28	1	30-Jul	1522	102.4	336.0	9.1	-326.9	47 58.4357	122 14.2947	1296312.1	358400.3	1296309.9	358417.3	47 58.4385	122 14.2953	5.2		
	2		1523	102.2	335.3	9.1	-326.2			1296312.1	358400.3	1296316.8	358413.0	47 58.4378	122 14.2936	4.1	0.9	
	3		1523	102.2	335.3	9.1	-326.2			1296312.1	358400.3	1296316.3	358408.7	47 58.4371	122 14.2937	2.9		
A1-29	1	29-Jul	1352	15.7	51.5	7.5	-44.0	47 58.4151	122 13.8760	1298018.8	358243.9	1298033.8	358237.0	47 58.4140	122 13.8723	5.0		
	2		1353	16.0	52.5	7.5	-45.0			1298018.8	358243.9	1298032.7	358245.5	47 58.4154	122 13.8726	4.3	0.9	
	3		1353	16.0	52.5	7.6	-44.9			1298018.8	358243.9	1298034.4	358246.7	47 58.4156	122 13.8722	4.8		
A1-31	1	29-Jul	1340	3.9	12.8	7.1	-5.7	47 58.2912	122 13.9997	1297500.2	357500.0	1297506.0	357479.8	47 58.2879	122 13.9982	6.4		
	2		1341	4.0	13.1	7.1	-6.0			1297500.2	357500.0	1297508.7	357495.0	47 58.2904	122 13.9976	3.0	0.9	
	3		1341	4.1	13.5	7.1	-6.4			1297500.2	357500.0	1297512.4	357499.7	47 58.2912	122 13.9967	3.7		
A1-32	1	29-Jul	1303	108.5	356.0	5.7	-350.3	47 58.2777	122 15.1018	1293000.0	357500.3	1292997.3	357507.0	47 58.2788	122 15.1025	2.2		
	2		1304	108.7	356.6	5.7	-350.9			1293000.0	357500.3	1293000.6	357552.0	47 58.2862	122 15.1019	15.8	1.0	
	3		1305	108.3	355.3	5.8	-349.5			1293000.0	357500.3	1292998.3	357516.1	47 58.2803	122 15.1023	4.9		
A1-33	1	29-Jul	1316	99.8	327.4	6.2	-321.2	47 57.9890	122 14.6970	1294620.2	355715.0	1294643.0	355687.3	47 57.9845	122 14.6913	10.9		New target
	2		1317	100.1	328.4	6.2	-322.2			1294620.2	355715.0	1294641.9	355694.6	47 57.9857	122 14.6916	9.1	1.0	coordinates
	3		1318	100.3	329.1	6.2	-322.9			1294620.2	355715.0	1294634.8	355688.6	47 57.9847	122 14.6933	9.2		
	4		1318	100.4	329.4	6.3	-323.1			1294620.2	355715.0	1294635.3	355691.6	47 57.9852	122 14.6932	8.5		
A1-34	1	29-Jul	1330	99.8	327.4	6.7	-320.7	47 58.1378	122 14.4365	1295700.2	356600.0	1295694.1	356601.4	47 58.1380	122 14.4380	1.9		
	2		1331	99.9	327.8	6.8	-321.0			1295700.2	356600.0	1295690.5	356607.5	47 58.1390	122 14.4389	3.7	1.2	
	3		1332	101.0	331.4	6.8	-324.6			1295700.2	356600.0	1295684.0	356606.4	47 58.1388	122 14.4405	5.3		
A1-35	1	29-Jul	1039	110.0	360.9	-0.2	-361.1	47 57.9816	122 15.0937	1292999.9	355699.8	1292998.9	355712.6	47 57.9837	122 15.0940	3.9		
	2		1039	110.1	361.2	-0.2	-361.4			1292999.9	355699.8	1292996.8	355710.2	47 57.9833	122 15.0945	3.3	0.9	
	3		1040	110.0	360.9	-0.2	-361.1			1292999.9	355699.8	1292981.0	355715.4	47 57.9841	122 15.0984	7.5		
A1-36	1	29-Jul	1153	128.5	421.6	2.7	-418.9	47 57.9222	122 16.4064	1287634.3	355438.3	1287635.6	355397.5	47 57.9155	122 16.4059	12.4		
	2		1154	128.5	421.6	2.7	-418.9			1287634.3	355438.3	1287632.5	355406.7	47 57.9170	122 16.4067	9.6	1.0	
	3		1155	129.0	423.2	2.7	-420.5			1287634.3	355438.3	1287631.4	355413.4	47 57.9181	122 16.4070	7.6		

SAIC **Sediment Profiling Imaging** **Arranged by Station Number**

Port Gardner Sediment Characterization SOFTWARE: Corpscon 5.11.08

July 2008 **R/V Kittiwake**

Station No.	Sample Rep.	Date	GPS Time	Meter Wheel Depth m.	Meter Wheel Depth ft.	Predicted Nearest Tide ft.	Predicted Mudline Depth, ft. (MLLW)	Sample Target NAD 1983, Decimal Minutes Latitude	Sample Target Longitude	Sample Target NAD 1983, SPCS, Wa. N.. Easting (x)	Sample Target Northing (y)	Sample Location DGPS Trimble NT300D NAD 1983, SPCS, Wa. N. Easting (x)	Sample Location Northing (y)	Sample Location DGPS Trimble NT300D NAD 1983, Decimal Minutes Latitude	Sample Location Longitude	Distance to Target (m.)	GPS Status HDOP good < 2	Comments
A1-37	1	29-Jul	1205	108.3	355.3	3.2	-352.1	47 57.8934	122 15.5322	1291199.9	355196.8	1291216.0	355181.3	47 57.8909	122 15.5282	6.8		
	2		1206	108.3	355.3	3.2	-352.1			1291199.9	355196.8	1291223.2	355178.1	47 57.8904	122 15.5264	9.1	1.0	
	3		1206	108.3	355.3	3.3	-352.0			1291199.9	355196.8	1291226.9	355177.4	47 57.8903	122 15.5255	10.1		
A1-38	1	29-Jul	1025	3.5	11.5	-0.6	-12.1	47 57.9051	122 14.5270	1295304.8	355192.3	1295305.6	355234.3	47 57.9120	122 14.5270	12.8		
	2		1026	3.4	11.2	-0.6	-11.8			1295304.8	355192.3	1295306.4	355233.6	47 57.9119	122 14.5268	12.6	1.0	
	3		1027	4.0	13.1	-0.6	-13.7			1295304.8	355192.3	1295301.5	355234.3	47 57.9120	122 14.5280	12.8		
A1-39	1	29-Jul	1016	71.0	232.9	-0.9	-233.8	47 57.8363	122 14.8692	1293900.2	354799.7	1293884.6	354795.2	47 57.8355	122 14.8730	5.0		
	2		1016	70.9	232.6	-0.9	-233.5			1293900.2	354799.7	1293880.4	354791.0	47 57.8348	122 14.8740	6.6	1.0	
	3		1017	70.9	232.6	-0.9	-233.5			1293900.2	354799.7	1293877.2	354792.3	47 57.8350	122 14.8748	7.4		
A1-40	1	29-Jul	0957	16.4	53.8	2.0	-51.8	47 57.6801	122 15.5263	1291200.0	353899.8	1291208.8	353914.2	47 57.6825	122 15.5242	5.2		
	2		0957	16.8	55.1	2.0	-53.1			1291200.0	353899.8	1291210.6	353921.5	47 57.6837	122 15.5238	7.4	0.9	
	3		0958	17.1	56.1	2.0	-54.1			1291200.0	353899.8	1291206.2	353927.6	47 57.6847	122 15.5249	8.7		
A1-41	1	29-Jul	0945	20.5	67.3	1.6	-65.6	47 57.6746	122 15.9670	1289400.1	353899.8	1289383.0	353901.9	47 57.6749	122 15.9712	5.3		
	2		0946	20.4	66.9	1.6	-65.3			1289400.1	353899.8	1289386.7	353904.3	47 57.6753	122 15.9703	4.3	1.0	
	3		0946	20.3	66.6	1.6	-65.0			1289400.1	353899.8	1289385.4	353901.3	47 57.6748	122 15.9706	4.5		
A1-43	1	29-Jul	0927	22.0	72.2	1.6	-70.6	47 57.6260	122 16.6270	1286700.0	353654.7	1286677.7	353663.6	47 57.6274	122 16.6325	7.3		
	2		0928	22.2	72.8	1.6	-71.3			1286700.0	353654.7	1286683.1	353667.2	47 57.6280	122 16.6312	6.4	1.1	
	3		0928	22.0	72.2	1.6	-70.6			1286700.0	353654.7	1286684.2	353663.5	47 57.6274	122 16.6309	5.5		
A1-44	1	29-Jul	1006	11.2	36.7	2.0	-34.7	47 57.6019	122 15.0833	1292999.8	353391.0	1293008.3	353404.2	47 57.6041	122 15.0813	4.8		
	2		1006	11.3	37.1	2.0	-35.1			1292999.8	353391.0	1293003.0	353404.9	47 57.6042	122 15.0826	4.4	1.0	
	3		1007	11.4	37.4	2.0	-35.4			1292999.8	353391.0	1293000.5	353405.0	47 57.6042	122 15.0832	4.3		
A1-45	1	29-Jul	1137	132.0	433.1	2.0	-431.1	47 57.5044	122 17.7258	1282199.9	353000.3	1282199.9	353001.5	47 57.5046	122 17.7258	0.4		
	2		1138	133.5	438.0	2.1	-435.9			1282199.9	353000.3	1282205.6	353020.8	47 57.5078	122 17.7245	6.5	0.9	
	3		1138	133.2	437.0	2.1	-434.9			1282199.9	353000.3	1282229.6	353019.2	47 57.5076	122 17.7186	10.7		
A1-46	1	29-Jul	0938	2.3	7.5	1.6	-6.0	47 57.5239	122 16.1833	1288499.9	353000.2	1288531.9	353028.2	47 57.5286	122 16.1756	13.0		
	2		0938	2.4	7.9	1.6	-6.3			1288499.9	353000.2	1288535.6	353031.1	47 57.5291	122 16.1747	14.4	1.3	
	3		0939	2.7	8.9	1.6	-7.3			1288499.9	353000.2	1288531.2	353033.1	47 57.5294	122 16.1758	13.8		
A1-47	1	29-Jul	0918	17.7	58.1	-2.1	-60.2	47 57.3650	122 17.0605	1284900.2	352101.5	1284876.6	352105.6	47 57.3656	122 17.0663	7.3		
	2		0919	17.8	58.4	-2.1	-60.5			1284900.2	352101.5	1284886.9	352109.7	47 57.3663	122 17.0638	4.8	1.1	
	3		0919	17.9	58.7	-2.1	-60.8			1284900.2	352101.5	1284898.5	352116.8	47 57.3675	122 17.0610	4.7		
A1-48	1	29-Jul	0907	17.8	58.4	-2.2	-60.6	47 57.1680	122 17.7163	1282199.8	350954.7	1282185.2	351003.1	47 57.1759	122 17.7201	15.4		
	2		0907	17.0	55.8	-2.2	-58.0			1282199.8	350954.7	1282188.0	350998.7	47 57.1752	122 17.7194	13.9	1.7	
	3		0908	16.0	52.5	-2.1	-54.6			1282199.8	350954.7	1282193.1	350992.0	47 57.1741	122 17.7181	11.5		
A2-01	1	28-Jul	1324	3.7	12.1	8.0	-4.1	48 00.6403	122 15.6080	1291200.1	371899.7	1291198.7	371892.4	48 00.6391	122 15.6083	2.3		
	2		1324	3.8	12.5	8.0	-4.5			1291200.1	371899.7	1291204.8	371892.9	48 00.6392	122 15.6068	2.5	1.2	
	3		1325	3.8	12.5	8.0	-4.5			1291200.1	371899.7	1291212.8	371883.7	48 00.6377	122 15.6048	6.2		
A2-02	1	28-Jul	1354	4.1	13.5	8.6	-4.9	48 00.1991	122 15.3752	1292100.0	369200.2	1292083.0	369186.6	48 00.1968	122 15.3793	6.6		
	2		1355	4.2	13.8	8.7	-5.1			1292100.0	369200.2	1292089.6	369187.1	48 00.1969	122 15.3777	5.1	1.1	
	3		1356	4.2	13.8	8.7	-5.1			1292100.0	369200.2	1292089.4	369177.9	48 00.1954	122 15.3777	7.5		

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July 2008 **R/V Kittiwake**

Station No.	Sample Rep.	Date	GPS Time	Meter Wheel Depth m.	Meter Wheel Depth ft.	Predicted Nearest Tide ft.	Predicted Mudline Depth, ft. (MLLW)	Sample Target NAD 1983, Decimal Minutes Latitude	Sample Target NAD 1983, Decimal Minutes Longitude	Sample Target NAD 1983, SPCS, Wa. N.. Easting (x)	Sample Target NAD 1983, SPCS, Wa. N.. Northing (y)	Sample Location DGPS Trimble NT300D NAD 1983, SPCS, Wa. N. Easting (x)	Sample Location DGPS Trimble NT300D NAD 1983, SPCS, Wa. N. Northing (y)	Sample Location DGPS Trimble NT300D NAD 1983, Decimal Minutes Latitude	Sample Location DGPS Trimble NT300D NAD 1983, Decimal Minutes Longitude	Distance to Target (m.)	GPS Status HDOP good < 2	Comments
A2-03	1	28-Jul	1338	3.9	12.8	7.8	-5.0	48 01.0926	122 14.9585	1293899.8	374600.1	1293896.9	374597.7	48 01.0922	122 14.9592	1.1		
	2		1339	3.9	12.8	7.8	-5.0			1293899.8	374600.1	1293898.3	374605.6	48 01.0935	122 14.9589	1.7	1.2	
	3		1340	3.9	12.8	7.8	-5.0			1293899.8	374600.1	1293906.0	374601.2	48 01.0928	122 14.9570	1.9		
A2-04	1	28-Jul	1403	4.5	14.8	8.8	-6.0	48 00.0565	122 14.9300	1293900.2	368299.9	1293890.0	368322.6	48 00.0602	122 14.9326	7.6		
	2		1404	4.5	14.8	8.8	-6.0			1293900.2	368299.9	1293892.5	368323.8	48 00.0604	122 14.9320	7.6	0.9	
	3		1404	4.6	15.1	8.8	-6.3			1293900.2	368299.9	1293898.9	368315.8	48 00.0591	122 14.9304	4.8		
A2-05	1	28-Jul	1415	4.2	13.8	9.0	-4.8	48 00.0646	122 14.2684	1296600.1	368299.7	1296597.3	368302.2	48 00.0650	122 14.2691	1.1		
	2		1415	4.2	13.8	9.0	-4.8			1296600.1	368299.7	1296590.8	368303.5	48 00.0652	122 14.2707	3.1	0.9	
	3		1416	4.2	13.8	9.0	-4.8			1296600.1	368299.7	1296597.8	368303.4	48 00.0652	122 14.2690	1.3		
A2-06	1	28-Jul	1425	3.8	12.5	9.1	-3.4	48 00.5087	122 14.2805	1296600.1	371000.1	1296584.2	371002.2	48 00.5090	122 14.2844	4.9		
	2		1426	3.8	12.5	9.1	-3.4			1296600.1	371000.1	1296579.7	371004.2	48 00.5093	122 14.2855	6.3	1.1	
	3		1426	3.7	12.1	9.2	-2.9			1296600.1	371000.1	1296582.6	371002.9	48 00.5091	122 14.2848	5.4		
A2-07	1	28-Jul	1439	3.9	12.8	9.3	-3.5	47 59.6233	122 14.0359	1297499.8	365599.9	1297494.6	365604.9	47 59.6241	122 14.0372	2.2		
	2		1440	3.9	12.8	9.3	-3.5			1297499.8	365599.9	1297497.1	365606.7	47 59.6244	122 14.0366	2.2	1.1	
	3		1440	4.0	13.1	9.3	-3.8			1297499.8	365599.9	1297502.5	365610.8	47 59.6251	122 14.0353	3.4		
A2-08B	1	28-Jul	1504	2.1	6.9	9.6	2.7	48 00.6638	122 13.9622	1297915.5	371919.3	1297915.5	371919.3	48 00.6638	122 13.9622	0.0		Moved target
	2		1505	2.1	6.9	9.6	2.7			1297915.5	371919.3	1297920.4	371918.6	48 00.6637	122 13.9610	1.5	1.2	coordinates
	3		1506	2.1	6.9	9.6	2.7			1297915.5	371919.3	1297925.8	371919.7	48 00.6639	122 13.9597	3.1		192 m. west
A2-09	1	28-Jul	1526	8.1	26.6	9.7	-16.9	47 59.1837	122 13.6600	1298985.1	362899.9	1298975.4	362883.1	47 59.1809	122 13.6623	5.9		
	2		1527	8.5	27.9	9.7	-18.2			1298985.1	362899.9	1298986.2	362890.8	47 59.1822	122 13.6597	2.8	0.9	
	3		1527	8.2	26.9	9.8	-17.1			1298985.1	362899.9	1298993.6	362895.5	47 59.1830	122 13.6579	2.9		
A2-10	1	28-Jul	1536	6.1	20.0	9.8	-10.2	47 59.5220	122 13.6210	1299181.5	364953.4	1299163.1	364948.9	47 59.5212	122 13.6255	5.8		New target
	2		1536	6.2	20.3	9.8	-10.5			1299181.5	364953.4	1299171.8	364955.4	47 59.5223	122 13.6234	3.0	1.1	coordinates
	3		1537	6.0	19.7	9.8	-9.9			1299181.5	364953.4	1299164.9	364961.0	47 59.5232	122 13.6251	5.6		
A2-11	1	28-Jul	1547	7.7	25.3	9.8	-15.5	47 59.8580	122 13.4330	1299985.5	366982.0	1299987.2	366984.4	47 59.8584	122 13.4326	0.9		New target
	2		1547	7.8	25.6	9.8	-15.8			1299985.5	366982.0	1299984.3	366983.2	47 59.8582	122 13.4333	0.5	0.8	coordinates
	3		1548	7.8	25.6	9.8	-15.8			1299985.5	366982.0	1299981.1	366983.3	47 59.8582	122 13.4341	1.4		
A2-12	1	28-Jul	1556	5.2	17.1	9.9	-7.2	48 00.2234	122 13.3903	1300199.9	369200.0	1300177.3	369194.3	48 00.2224	122 13.3958	7.1		
	2		1556	5.3	17.4	9.9	-7.5			1300199.9	369200.0	1300178.1	369192.5	48 00.2221	122 13.3956	7.0	0.9	
	3		1557	5.3	17.4	9.9	-7.5			1300199.9	369200.0	1300181.0	369193.0	48 00.2222	122 13.3949	6.1		
A2-13	1	28-Jul	1607	7.9	25.9	9.9	-16.0	48 00.1411	122 13.2196	1300887.2	368687.1	1300889.2	368684.7	48 00.1407	122 13.2191	1.0		
	2		1608	8.0	26.2	9.9	-16.3			1300887.2	368687.1	1300890.0	368684.6	48 00.1407	122 13.2189	1.1	0.9	
	3		1608	8.0	26.2	9.9	-16.3			1300887.2	368687.1	1300894.8	368701.6	48 00.1435	122 13.2178	5.0		
A2-14	1	28-Jul	1623	3.4	11.2	9.9	-1.3	48 00.3549	122 13.3423	1300410.1	369995.8	1300416.2	369997.5	48 00.3552	122 13.3408	1.9		
	2		1624	3.5	11.5	9.9	-1.6			1300410.1	369995.8	1300412.2	369998.2	48 00.3553	122 13.3418	1.0	1.0	
	3		1625	3.2	10.5	9.9	-0.6			1300410.1	369995.8	1300436.6	369996.5	48 00.3551	122 13.3358	8.1		

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July 2008 **R/V Kittiwake**

Station No.	Sample Rep.	Date	GPS Time	Meter Wheel Depth m.	Meter Wheel Depth ft.	Predicted Nearest Tide ft.	Predicted Mudline Depth, ft. (MLLW)	Sample Target NAD 1983, Decimal Minutes Latitude	Sample Target Longitude	Sample Target NAD 1983, SPCS, Wa. N.. Easting (x)	Sample Target Northing (y)	Sample Location DGPS Trimble NT300D NAD 1983, SPCS, Wa. N. Easting (x)	Sample Location Northing (y)	Sample Location DGPS Trimble NT300D NAD 1983, Decimal Minutes Latitude	Sample Location Longitude	Distance to Target (m.)	GPS Status HDOP good < 2	Comments
A2-15	1	28-Jul	1631	2.5	8.2	9.8	1.6	48 00.3382	122 13.1242	1301297.9	369878.2	1301287.2	369870.5	48 00.3369	122 13.1268	4.0		
	2		1632	2.7	8.9	9.8	0.9			1301297.9	369878.2	1301297.8	369872.1	48 00.3372	122 13.1242	1.9	1.0	
	3		1633	2.5	8.2	9.8	1.6			1301297.9	369878.2	1301322.9	369858.3	48 00.3350	122 13.1180	9.7		
A2-16	1	28-Jul	1646	2.6	8.5	9.8	1.3	48 00.4449	122 13.1158	1301343.9	370526.2	1301342.3	370531.1	48 00.4457	122 13.1162	1.6		New target
	2		1647	2.7	8.9	9.8	0.9			1301343.9	370526.2	1301341.5	370529.9	48 00.4455	122 13.1164	1.3	1.3	coordinates
	3		1647	2.8	9.2	9.8	0.6			1301343.9	370526.2	1301347.8	370517.0	48 00.4434	122 13.1148	3.0		
A2-17	1	28-Jul	1655	2.8	9.2	9.8	0.6	48 00.5946	122 13.2617	1300765.2	371446.9	1300761.9	371448.8	48 00.5949	122 13.2625	1.1		
	2		1656	2.8	9.2	9.8	0.6			1300765.2	371446.9	1300760.8	371451.8	48 00.5954	122 13.2628	2.0	1.3	
	3		1656	2.7	8.9	9.8	0.9			1300765.2	371446.9	1300763.1	371468.2	48 00.5981	122 13.2623	6.5		
A2-18	1	28-Jul	1701	2.1	6.9	9.7	2.8	48 00.6635	122 13.1297	1301311.1	371856.0	1301306.7	371859.1	48 00.6640	122 13.1308	1.7		New target
	2		1702	2.2	7.2	9.7	2.5			1301311.1	371856.0	1301305.9	371859.1	48 00.6640	122 13.1310	1.9	1.3	coordinates
	3		1703	2.1	6.9	9.7	2.8			1301311.1	371856.0	1301320.4	371849.8	48 00.6625	122 13.1274	3.4		too shallow
A2-19	1	28-Jul	1710	6.2	20.3	9.5	-10.8	48 00.8173	122 13.2550	1300816.9	372800.1	1300834.7	372794.9	48 00.8165	122 13.2506	5.7		
	2		1711	6.6	21.7	9.5	-12.2			1300816.9	372800.1	1300824.6	372799.4	48 00.8172	122 13.2531	2.4	1.3	
	3		1712	6.7	22.0	9.5	-12.5			1300816.9	372800.1	1300827.9	372800.5	48 00.8174	122 13.2523	3.4		
A2-20	1	29-Jul	1547	2.1	6.9	10.1	3.2	48 00.7797	122 12.9639	1302000.1	372550.2	1301980.0	372548.7	48 00.7794	122 12.9688	6.1		
	2		1547	2.1	6.9	10.1	3.2			1302000.1	372550.2	1301975.6	372552.4	48 00.7800	122 12.9699	7.5	1.0	
	3		1548	2.1	6.9	10.2	3.3			1302000.1	372550.2	1301974.4	372553.1	48 00.7801	122 12.9702	7.9		
A2-21	1	29-Jul	1558	3.0	9.8	10.3	0.5	48 00.9146	122 12.9764	1301963.8	373371.1	1301958.3	373357.8	48 00.9124	122 12.9777	4.4		
	2		1559	3.1	10.2	10.3	0.1			1301963.8	373371.1	1301961.5	373354.7	48 00.9119	122 12.9769	5.0	1.3	
	3		1559	3.1	10.2	10.3	0.1			1301963.8	373371.1	1301960.7	373357.8	48 00.9124	122 12.9771	4.2		
A2-22	1	30-Jul	1605	4.8	15.7	9.6	-6.1	48 01.2622	122 13.1975	1301100.1	375500.3	1301091.5	375520.5	48 01.2655	122 13.1997	6.7		
	2		1605	4.8	15.7	9.7	-6.0			1301100.1	375500.3	1301093.9	375513.8	48 01.2644	122 13.1991	4.5	1.3	
	3		1606	4.8	15.7	9.7	-6.0			1301100.1	375500.3	1301101.6	375513.6	48 01.2644	122 13.1972	4.1		
A2-23	1	29-Jul	1614	2.8	9.2	10.4	1.2	48 01.0515	122 12.7297	1302984.9	374185.2	1302971.8	374181.8	48 01.0509	122 12.7329	4.1		
	2		1615	2.9	9.5	10.4	0.9			1302984.9	374185.2	1302966.9	374184.3	48 01.0513	122 12.7341	5.5	1.3	
	3		1615	2.8	9.2	10.4	1.2			1302984.9	374185.2	1302969.2	374177.6	48 01.0502	122 12.7335	5.3		
A2-23B	1	29-Jul	1622	3.0	9.8	10.5	0.7	48 01.0548	122 12.7733	1302807.4	374208.5	1302807.4	374208.5	48 01.0548	122 12.7733	0.0		New station
	2		1623	3.1	10.2	10.5	0.3			1302807.4	374208.5	1302808.8	374218.8	48 01.0565	122 12.7730	3.2	1.3	
	3		1623	3.1	10.2	10.5	0.3			1302807.4	374208.5	1302810.6	374224.8	48 01.0575	122 12.7726	5.1		
A2-24	1	29-Jul	1631	3.0	9.8	10.5	0.7	48 01.1204	122 12.6769	1303207.7	374600.2	1303223.5	374593.2	48 01.1193	122 12.6730	5.3		
	2		1631	3.1	10.2	10.5	0.3			1303207.7	374600.2	1303220.4	374604.8	48 01.1212	122 12.6738	4.1	2.4	
	3		1634	3.1	10.2	10.5	0.3			1303207.7	374600.2	1303221.7	374606.0	48 01.1214	122 12.6735	4.6		
A2-25	1	29-Jul	1653	2.7	8.9	10.6	1.7	48 01.1361	122 12.5076	1303899.9	374683.3	1303899.9	374683.3	48 01.1361	122 12.5076	0.0		New target
	2		1655	2.7	8.9	10.6	1.7			1303899.9	374683.3	1303892.1	374685.2	48 01.1364	122 12.5095	2.4	1.3	coordinates
	3		1655	2.7	8.9	10.6	1.7			1303899.9	374683.3	1303885.7	374687.2	48 01.1367	122 12.5111	4.5		
A2-26	1	29-Jul	1530	5.8	19.0	9.9	-9.1	48 01.2932	122 12.3958	1304372.8	375630.1	1304348.7	375626.2	48 01.2925	122 12.4017	7.4		
	2		1530	5.3	17.4	9.9	-7.5			1304372.8	375630.1	1304347.5	375629.3	48 01.2930	122 12.4020	7.7	0.9	
	3		1531	4.9	16.1	9.9	-6.2			1304372.8	375630.1	1304344.3	375633.0	48 01.2936	122 12.4028	8.7		

SAIC **Sediment Profiling Imaging** **Arranged by Station Number**

Port Gardner Sediment Characterization SOFTWARE: Corpscon 5.11.08

July 2008 **R/V Kittiwake**

Station No.	Sample Rep.	Date	GPS Time	Meter Wheel Depth m.	Meter Wheel Depth ft.	Predicted Nearest Tide ft.	Predicted Mudline Depth, ft. (MLLW)	Sample Target NAD 1983, Decimal Minutes Latitude	Sample Target Longitude	Sample Target NAD 1983, SPCS, Wa. N.. Easting (x)	Sample Target Northing (y)	Sample Location DGPS Trimble NT300D NAD 1983, SPCS, Wa. N. Easting (x)	Sample Location Northing (y)	Sample Location DGPS Trimble NT300D NAD 1983, Decimal Minutes Latitude	Sample Location Longitude	Distance to Target (m.)	GPS Status HDOP good < 2	Comments
A2-27	1	30-Jul	1619	2.8	9.2	10.0	0.8	48 01.1202	122 12.2639	1304892.0	374568.9	1304489.4	374799.8	48 01.1570	122 12.3636	141.5		
	2		1620	2.8	9.2	10.0	0.8			1304892.0	374568.9	1304495.1	374799.1	48 01.1569	122 12.3622	139.9	1.3	Moved target
	3		1621	2.8	9.2	10.0	0.8			1304892.0	374568.9	1304502.0	374798.4	48 01.1568	122 12.3605	137.9		station nw
A2-28	1	29-Jul	1506	6.8	22.3	9.5	-12.8	48 01.1639	122 12.0915	1305599.8	374822.0	1305628.7	374839.7	48 01.1669	122 12.0845	10.3		
	2		1507	6.8	22.3	9.5	-12.8			1305599.8	374822.0	1305623.2	374810.0	48 01.1620	122 12.0857	8.0	0.8	
	3		1508	6.8	22.3	9.5	-12.8			1305599.8	374822.0	1305629.8	374812.9	48 01.1625	122 12.0841	9.6		
A2-29	1	30-Jul	1632	4.4	14.4	10.2	-4.2	48 01.2501	122 11.9522	1306177.2	375335.9	1306198.3	375330.0	48 01.2492	122 11.9470	6.7		
	2		1633	4.5	14.8	10.2	-4.6			1306177.2	375335.9	1306204.7	375325.7	48 01.2485	122 11.9454	9.0	2.4	
	3		1634	4.3	14.1	10.2	-3.9			1306177.2	375335.9	1306209.7	375329.2	48 01.2491	122 11.9442	10.1		
A2-30	1	29-Jul	1516	5.9	19.4	9.7	-9.7	48 01.0681	122 11.6503	1307388.8	374207.7	1307391.6	374205.9	48 01.0678	122 11.6496	1.0		
	2		1517	5.7	18.7	9.7	-9.0			1307388.8	374207.7	1307388.3	374204.1	48 01.0675	122 11.6504	1.1	0.8	
	3		1517	5.8	19.0	9.7	-9.3			1307388.8	374207.7	1307399.8	374205.7	48 01.0678	122 11.6476	3.4		
A2-31	1	30-Jul	1658	4.5	14.8	10.6	-4.2	48 00.8931	122 11.1253	1309511.2	373106.2	1309509.8	373096.5	48 00.8915	122 11.1256	3.0		
	2		1658	4.4	14.4	10.6	-3.8			1309511.2	373106.2	1309511.5	373098.9	48 00.8919	122 11.1252	2.2	1.6	
	3		1659	4.3	14.1	10.6	-3.5			1309511.2	373106.2	1309507.8	373100.8	48 00.8922	122 11.1261	1.9		
A2-32	1	30-Jul	1709	8.0	26.2	11.0	-15.2	48 00.4324	122 10.7257	1311092.0	370277.2	1311081.2	370266.5	48 00.4306	122 10.7283	4.6		
	2		1710	7.9	25.9	11.0	-14.9			1311092.0	370277.2	1311086.6	370273.7	48 00.4318	122 10.7270	2.0	1.4	
	3		1710	8.1	26.6	11.0	-15.6			1311092.0	370277.2	1311078.8	370268.9	48 00.4310	122 10.7289	4.8		
A2-33	1	30-Jul	1719	10.9	35.8	11.1	-24.7	48 00.2567	122 10.5968	1311599.2	369200.0	1311553.8	369197.1	48 00.2561	122 10.6079	13.8		
	2		1720	10.9	35.8	11.1	-24.7			1311599.2	369200.0	1311555.1	369197.7	48 00.2562	122 10.6076	13.5	1.1	
	3		1720	11.0	36.1	11.1	-25.0			1311599.2	369200.0	1311553.5	369204.4	48 00.2573	122 10.6080	14.0		
A2-35B	1	30-Jul	1728	6.0	19.7	11.1	-8.6	47 59.9550	122 10.7470	1310954.4	367376.8	1310956.4	367375.5	47 59.9548	122 10.7465	0.7		Moved target
	2		1728	6.0	19.7	11.1	-8.6			1310954.4	367376.8	1310953.2	367378.6	47 59.9553	122 10.7473	0.7	1.1	station east
	3		1729	6.0	19.7	11.1	-8.6			1310954.4	367376.8	1310951.5	367378.6	47 59.9553	122 10.7477	1.0		Dredge pipe
A2-36	1	30-Jul	1740	8.2	26.9	11.1	-15.8	47 59.4626	122 10.7230	1311000.0	364381.9	1311003.4	364392.8	47 59.4644	122 10.7222	3.5		
	2		1741	8.0	26.2	11.1	-15.1			1311000.0	364381.9	1310999.3	364389.8	47 59.4639	122 10.7232	2.4	1.1	
	3		1741	7.9	25.9	11.1	-14.8			1311000.0	364381.9	1310998.7	364383.2	47 59.4628	122 10.7233	0.5		
A2-37	1	30-Jul	1804	3.9	12.8	11.1	-1.7	47 59.0522	122 09.9675	1314039.5	361833.6	1314039.5	361833.6	47 59.0522	122 09.9675	0.0		Moved target
	2		1804	3.7	12.1	11.1	-1.0			1314039.5	361833.6	1314041.6	361834.8	47 59.0524	122 09.9670	0.7	1.0	station 110 m.
	3		1805	3.7	12.1	11.1	-1.0			1314039.5	361833.6	1314045.2	361831.0	47 59.0518	122 09.9661	1.9		northeast
A2-44	1	31-Jul	1945	9.4	30.8	10.6	-20.2	47 59.3913	122 14.5408	1295413.9	364227.3	1295413.9	364227.3	47 59.3913	122 14.5408	0.0		New station
	2		1945	9.4	30.8	10.6	-20.2			1295413.9	364227.3	1295410.7	364231.6	47 59.3920	122 14.5416	1.6	1.0	on south delta
	3		1946	9.4	30.8	10.6	-20.2			1295413.9	364227.3	1295407.8	364228.7	47 59.3915	122 14.5423	1.9		near chip barge
A2-45	1	31-Jul	1957	5.7	18.7	10.4	-8.3	47 59.7162	122 14.5748	1295311.4	366204.8	1295311.4	366204.8	47 59.7162	122 14.5748	0.0		New station
	2		1958	5.7	18.7	10.4	-8.3			1295311.4	366204.8	1295313.4	366206.6	47 59.7165	122 14.5743	0.8	1.1	on south delta
	3		1959	5.8	19.0	10.4	-8.6			1295311.4	366204.8	1295311.8	366204.2	47 59.7161	122 14.5747	0.2		near chip barge
A3-01	1	31-Jul	1725	5.2	17.1	10.7	-6.4	48 01.9504	122 13.2160	1301100.1	379684.9	1301097.2	379683.2	48 01.9501	122 13.2167	1.0		
	2		1726	5.2	17.1	10.7	-6.4			1301100.1	379684.9	1301097.7	379686.8	48 01.9507	122 13.2166	0.9	1.1	
	3		1727	5.2	17.1	10.7	-6.4			1301100.1	379684.9	1301112.4	379688.4	48 01.9510	122 13.2130	3.9		
A3-02	1	31-Jul	1733	4.9	16.1	10.8	-5.3	48 01.8064	122 12.7707	1302899.9	378777.0	1302888.5	378775.4	48 01.8061	122 12.7735	3.5		
	2		1734	5.0	16.4	10.8	-5.6			1302899.9	378777.0	1302897.1	378779.5	48 01.8068	122 12.7714	1.1	1.1	
	3		1735	5.0	16.4	10.8	-5.6			1302899.9	378777.0	1302901.2	378781.2	48 01.8071	122 12.7704	1.3		

SAIC | **Sediment Profiling Imaging** | **Arranged by Station Number**

Port Gardner Sediment Characterization

SOFTWARE: Corpscon 5.11.08

July 2008

R/V Kittiwake

Station No.	Sample Rep.	Date	GPS Time	Meter Wheel Depth m.	Meter Wheel Depth ft.	Predicted Nearest Tide ft.	Predicted Mudline Depth, ft. (MLLW)	Sample Target NAD 1983, Decimal Minutes Latitude	Sample Target Longitude	Sample Target NAD 1983, SPCS, Wa. N.. Easting (x)	Sample Target Northing (y)	Sample Location DGPS Trimble NT300D NAD 1983, SPCS, Wa. N. Easting (x)	Sample Location Northing (y)	Sample Location DGPS Trimble NT300D NAD 1983, Decimal Minutes Latitude	Sample Location Longitude	Distance to Target (m.)	GPS Status HDOP good < 2	Comments
A3-03	1	31-Jul	1744	6.1	20.0	10.9	-9.1	48 01.9330	122 12.7560	1302973.7	379545.5	1302974.9	379543.0	48 01.9326	122 12.7557	0.8		Moved target
	2		1744	6.0	19.7	10.9	-8.8			1302973.7	379545.5	1302974.9	379544.8	48 01.9329	122 12.7557	0.4	1.0	station 28 m.
	3		1745	6.0	19.7	10.9	-8.8			1302973.7	379545.5	1302978.5	379541.7	48 01.9324	122 12.7548	1.9		southwest
A3-04	1	31-Jul	1752	6.2	20.3	11.0	-9.3	48 01.8603	122 12.4050	1304396.9	379077.9	1304382.9	379073.3	48 01.8595	122 12.4084	4.5		
	2		1753	6.2	20.3	11.0	-9.3			1304396.9	379077.9	1304393.3	379086.5	48 01.8617	122 12.4059	2.8	1.0	
	3		1753	6.3	20.7	11.0	-9.7			1304396.9	379077.9	1304393.7	379084.7	48 01.8614	122 12.4058	2.3		
A3-05	1	31-Jul	1759	5.5	18.0	11.1	-6.9	48 01.9738	122 12.1855	1305304.1	379751.9	1305316.3	379750.5	48 01.9736	122 12.1825	3.7		
	2		1800	5.4	17.7	11.1	-6.6			1305304.1	379751.9	1305316.8	379754.7	48 01.9743	122 12.1824	4.0	1.0	
	3		1800	5.0	16.4	11.1	-5.3			1305304.1	379751.9	1305316.3	379749.3	48 01.9734	122 12.1825	3.8		
A3-06	1	31-Jul	1808	3.4	11.2	11.1	-0.1	48 01.8177	122 12.0453	1305858.8	378792.9	1305862.5	378793.4	48 01.8178	122 12.0444	1.1		
	2		1808	3.4	11.2	11.1	-0.1			1305858.8	378792.9	1305863.3	378793.4	48 01.8178	122 12.0442	1.4	0.9	
	3		1809	3.5	11.5	11.1	-0.4			1305858.8	378792.9	1305864.8	378808.0	48 01.8202	122 12.0439	4.9		
A3-07	1	31-Jul	1828	3.2	10.5	11.2	0.7	48 01.9730	122 11.2800	1308995.8	379681.7	1308995.9	379684.1	48 01.9734	122 11.2800	0.7		New target
	2		1829	3.2	10.5	11.2	0.7			1308995.8	379681.7	1308989.7	379679.4	48 01.9726	122 11.2815	2.0	0.9	coordinates
	3		1829	3.2	10.5	11.2	0.7			1308995.8	379681.7	1309024.3	379678.8	48 01.9726	122 11.2730	8.7		
A3-07B	1	31-Jul	1838	3.5	11.5	11.2	-0.3	48 02.0690	122 11.2180	1309258.9	380260.8	1309256.0	380260.9	48 02.0690	122 11.2187	0.9		New station
	2		1839	3.7	12.1	11.2	-0.9			1309258.9	380260.8	1309252.3	380261.5	48 02.0691	122 11.2196	2.0	0.9	next to drydock
	3		1840	3.7	12.1	11.1	-1.0			1309258.9	380260.8	1309250.3	380260.4	48 02.0689	122 11.2201	2.6		
A3-13	1	30-Jul	1817	5.2	17.1	11.0	-6.1	47 59.1546	122 09.5069	1315929.9	362423.6	1315931.8	362412.6	47 59.1528	122 09.5064	3.4		
	2		1817	5.2	17.1	11.0	-6.1			1315929.9	362423.6	1315929.7	362412.6	47 59.1528	122 09.5069	3.3	1.0	
	3		1818	5.2	17.1	11.0	-6.1			1315929.9	362423.6	1315930.9	362410.8	47 59.1525	122 09.5066	3.9		
A4-01	1	31-Jul	1513	3.8	12.5	7.3	-5.2	48 02.2597	122 16.0907	1289414.8	381780.0	1289383.7	381775.1	48 02.2588	122 16.0983	9.6		
	2		1513	3.8	12.5	7.4	-5.1			1289414.8	381780.0	1289391.0	381772.5	48 02.2584	122 16.0965	7.6	0.9	
	3		1514	3.9	12.8	7.4	-5.4			1289414.8	381780.0	1289398.3	381769.3	48 02.2579	122 16.0947	6.0		
A4-02	1	31-Jul	1528	4.0	13.1	7.2	-5.9	48 01.3740	122 16.0660	1289415.1	376394.3	1289402.3	376386.0	48 01.3726	122 16.0691	4.6		
	2		1528	4.0	13.1	7.2	-5.9			1289415.1	376394.3	1289410.0	376384.0	48 01.3723	122 16.0672	3.5	1.1	
	3		1529	4.0	13.1	7.2	-5.9			1289415.1	376394.3	1289408.9	376390.7	48 01.3734	122 16.0675	2.2		
A4-03	1	31-Jul	1538	4.3	14.1	7.6	-6.5	48 01.6433	122 15.2662	1292706.8	377970.7	1292705.9	377964.7	48 01.6423	122 15.2664	1.9		
	2		1538	4.3	14.1	7.6	-6.5			1292706.8	377970.7	1292707.6	377967.7	48 01.6428	122 15.2660	1.0	0.8	
	3		1539	4.3	14.1	7.6	-6.5			1292706.8	377970.7	1292710.0	377967.0	48 01.6427	122 15.2654	1.5		
A4-04	1	31-Jul	1547	4.5	14.8	8.0	-6.8	48 01.3913	122 14.7459	1294800.2	376399.9	1294788.7	376394.6	48 01.3904	122 14.7487	3.9		
	2		1548	4.4	14.4	8.0	-6.4			1294800.2	376399.9	1294798.5	376395.0	48 01.3905	122 14.7463	1.6	0.9	
	3		1548	4.5	14.8	8.0	-6.8			1294800.2	376399.9	1294808.3	376396.7	48 01.3908	122 14.7439	2.7		
A4-05	1	31-Jul	1559	5.0	16.4	8.4	-8.0	48 01.6417	122 13.8699	1298400.0	377856.7	1298385.6	377870.4	48 01.6439	122 13.8735	6.1		
	2		1600	5.0	16.4	8.5	-7.9			1298400.0	377856.7	1298396.3	377878.1	48 01.6452	122 13.8709	6.6	0.9	
	3		1601	5.1	16.7	8.5	-8.2			1298400.0	377856.7	1298420.9	377882.5	48 01.6460	122 13.8649	10.1		
A4-06	1	31-Jul	1613	3.9	12.8	8.9	-3.9	48 02.2697	122 13.4253	1300281.8	381641.3	1300267.4	381653.1	48 02.2716	122 13.4289	5.7		
	2		1614	3.9	12.8	9.0	-3.8			1300281.8	381641.3	1300269.1	381656.7	48 02.2722	122 13.4285	6.1	1.0	
	3		1615	3.9	12.8	9.0	-3.8			1300281.8	381641.3	1300275.6	381657.8	48 02.2724	122 13.4269	5.4		
A4-07	1	31-Jul	1628	2.8	9.2	9.4	0.2	48 02.6817	122 12.4914	1304133.8	384077.3	1304142.7	384075.9	48 02.6815	122 12.4892	2.8		
	2		1629	2.8	9.2	9.4	0.2			1304133.8	384077.3	1304160.2	384072.5	48 02.6810	122 12.4849	8.2	1.3	
	3		1630	2.8	9.2	9.4	0.2			1304133.8	384077.3	1304146.8	384077.0	48 02.6817	122 12.4882	4.0		
A4-08	1	31-Jul	1647	4.1	13.5	9.9	-3.6	48 02.8054	122 11.3695	1308720.1	384748.0	1308716.0	384748.7	48 02.8055	122 11.3705	1.3		
	2		1648	4.2	13.8	9.9	-3.9			1308720.1	384748.0	1308723.7	384743.7	48 02.8047	122 11.3686	1.7	1.3	
	3		1648	4.1	13.5	10.0	-3.5			1308720.1	384748.0	1308728.7	384752.2	48 02.8061	122 11.3674	2.9		

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Sediment Sampling, Young Grab

Port Gardner Sediment Characterization

August 2008

Station No.	Sample Rep.	Date	GPS Time	Meter Wheel Depth m.	Meter Wheel Depth ft.	Predicted Nearest Tide ft.	Predicted Mudline Depth, ft. (MLLW)	Sample Target NAD 1983, Decimal Minutes Latitude	Sample Target NAD 1983, Decimal Minutes Longitude	Sample Target NAD 1983, SPCS, Wa. N.. Easting (x)	Sample Target NAD 1983, SPCS, Wa. N.. Northing (y)	Sample Location DGPS Trimble NT300D NAD 1983, SPCS, Wa. N. Easting (x)	Sample Location DGPS Trimble NT300D NAD 1983, SPCS, Wa. N. Northing (y)	Sample Location DGPS Trimble NT300D NAD 1983, Decimal Minutes Latitude	Sample Location DGPS Trimble NT300D NAD 1983, Decimal Minutes Longitude	Distance to Target (m.)	GPS Status HDOP good < 2
A1-01	1	1-Aug	1149	8.8	28.9	-2.7	-31.6	47 59.2929	122 13.1447	1301099.9	363525.7	1301098.6	363525.2	47 59.2928	122 13.1450	0.4	1.0
A1-02	1	1-Aug	1218	13.1	43.0	-2.1	-45.1	47 59.2600	122 13.2550	1300646.2	363333.9	1300644.9	363329.6	47 59.2593	122 13.2553	1.3	1.5
A1-03	1	1-Aug	1329	10.5	34.4	0.4	-34.0	47 59.1879	122 13.3154	1300391.8	362900.0	1300391.8	362897.6	47 59.1875	122 13.3154	0.7	0.9
A1-04	1	1-Aug	1352	8.1	26.6	1.4	-25.2	47 59.1900	122 13.1419	1301100.0	362900.0	1301102.5	362898.2	47 59.1897	122 13.1413	0.9	0.9
A1-07	1	1-Aug	1414	8.9	29.2	2.5	-26.7	47 59.0832	122 13.5801	1299300.1	362283.1	1299298.5	362282.6	47 59.0831	122 13.5805	0.5	1.0
	2	1-Aug	1424	9.2	30.2	3.1	-27.1	47 59.0832	122 13.5801	1299300.1	362283.1	1299301.7	362279.5	47 59.0826	122 13.5797	1.2	0.9
A1-10	1	1-Aug	1446	10.8	35.4	4.2	-31.2	47 58.9866	122 13.1857	1300899.0	361666.9	1300894.1	361665.7	47 58.9864	122 13.1869	1.5	0.9
A1-11	1	1-Aug	1502	12.2	40.0	4.9	-35.1	47 58.9419	122 13.4293	1299900.0	361413.1	1299898.3	361411.9	47 58.9417	122 13.4297	0.6	0.8
A1-12	1	1-Aug	1518	14.6	47.9	5.8	-42.1	47 58.8925	122 13.2533	1300612.8	361099.8	1300615.7	361099.2	47 58.8924	122 13.2526	0.9	0.9
A1-15	1	1-Aug	1533	18.5	60.7	6.5	-54.0	47 58.7957	122 13.5195	1299515.8	360531.1	1299521.2	360535.8	47 58.7965	122 13.5182	2.2	0.8
	2	1-Aug	1546	18.6	61.0	7.2	-53.8	47 58.7957	122 13.5195	1299515.8	360531.1	1299518.3	360532.2	47 58.7959	122 13.5189	0.8	0.9
A1-16	1	4-Aug	1132	15.2	49.9	2.4	-48.4	47 58.7964	122 13.3519	1300199.9	360523.0	1300201.2	360527.8	47 58.7972	122 13.3516	1.5	1.0
A1-17	1	4-Aug	1149	19.7	64.6	1.8	-64.6	47 58.7397	122 13.6478	1298986.0	360200.1	1298986.9	360203.2	47 58.7402	122 13.6476	1.0	1.1
A1-18	1	4-Aug	1203	30.8	101.0	1.4	-101.0	47 58.7379	122 13.7913	1298400.1	360199.8	1298400.2	360201.0	47 58.7381	122 13.7913	0.4	1.5
A1-20	1	4-Aug	1221	14.2	46.6	0.9	-47.1	47 58.7120	122 13.5187	1299509.9	360022.2	1299513.5	360017.9	47 58.7113	122 13.5178	1.7	1.1
A1-23	1	4-Aug	1240	72.5	237.9	0.5	-239.6	47 58.5872	122 14.0078	1297499.9	359299.8	1297498.2	359296.2	47 58.5866	122 14.0082	1.2	1.0
A1-24	1	4-Aug	1255	16.6	54.5	0.3	-57.9	47 58.5869	122 13.6466	1298974.1	359271.2	1298982.7	359272.9	47 58.5872	122 13.6445	2.7	1.2
A1-31	1	4-Aug	1537	3.0	9.8	2.7	-7.1	47 58.2912	122 13.9997	1297500.2	357500.0	1297503.6	357509.0	47 58.2927	122 13.9989	3.0	0.9
A1-33	1	4-Aug	1356	102.2	335.3	0.1	-321.2	47 57.9890	122 14.6970	1294620.2	355715.0	1294618.1	355714.5	47 57.9889	122 14.6975	0.6	0.9
A1-38	1	4-Aug	1527	3.7	12.1	2.4	-9.7	47 57.9051	122 14.5270	1295304.8	355192.3	1295303.1	355229.4	47 57.9112	122 14.5276	11.3	0.9
A1-40	1	4-Aug	1414	15.2	49.9	0.4	-51.8	47 57.6801	122 15.5263	1291200.0	353899.8	1291201.6	353899.1	47 57.6800	122 15.5259	0.5	0.9
A1-44	1	4-Aug	1518	11.1	36.4	2.0	-34.4	47 57.6019	122 15.0833	1292999.8	353391.0	1293003.5	353388.5	47 57.6015	122 15.0824	1.3	0.8
A1-46	1	4-Aug	1502	2.3	7.5	1.5	-6.0	47 57.5239	122 16.1833	1288499.9	353000.2	1288499.6	353002.0	47 57.5242	122 16.1834	0.6	1.1
A1-48	1	4-Aug	1443	30.4	99.7	1.0	-60.6	47 57.1920	122 17.7160	1282203.8	351100.6	1282201.6	351092.7	47 57.1907	122 17.7165	2.5	0.8
A2-02	1	5-Aug	1725	3.8	12.5	6.4	-6.1	48 00.1991	122 15.3752	1292100.0	369200.2	1292100.5	369203.3	48 00.1996	122 15.3751	0.9	1.0
A2-04	1	5-Aug	1713	3.7	12.1	5.9	-6.2	48 00.0565	122 14.9300	1293900.2	368299.9	1293908.0	368300.4	48 00.0566	122 14.9281	2.4	1.1
A2-07	1	5-Aug	2137	3.9	12.8	11.0	-1.8	47 59.6233	122 14.0359	1297499.8	365599.9	1297494.6	365604.9	47 59.6241	122 14.0372	2.2	1.0
A2-08B	1	5-Aug	2104	2.1	6.9	11.3	4.4	48 00.6638	122 13.9622	1297915.5	371919.3	1297913.9	371918.1	48 00.6636	122 13.9626	0.6	1.1
A2-10	1	4-Aug	1603	4.2	20.0	3.8	-10.2	47 59.5220	122 13.6210	1299181.5	364953.4	1299182.8	364956.5	47 59.5225	122 13.6207	1.0	1.0
A2-11	1	4-Aug	1619	6.0	25.3	4.5	-15.5	47 59.8580	122 13.4330	1299985.5	366982.0	1299982.6	366979.0	47 59.8575	122 13.4337	1.3	1.3
A2-13	1	4-Aug	1636	6.2	25.9	5.2	-16.0	48 00.1411	122 13.2196	1300887.2	368687.1	1300885.5	368684.7	48 00.1407	122 13.2200	0.9	1.3

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Sediment Sampling, Young Grab

Port Gardner Sediment Characterization

August 2008

Station No.	Sample Rep.	Date	GPS Time	Meter Wheel Depth m.	Meter Wheel Depth ft.	Predicted Nearest Tide ft.	Predicted Mudline Depth, ft. (MLLW)	Sample Target NAD 1983, Decimal Minutes Latitude	Sample Target NAD 1983, Decimal Minutes Longitude	Sample Target NAD 1983, SPCS, Wa. N.. Easting (x)	Sample Target NAD 1983, SPCS, Wa. N.. Northing (y)	Sample Location DGPS Trimble NT300D NAD 1983, SPCS, Wa. N. Easting (x)	Sample Location DGPS Trimble NT300D NAD 1983, SPCS, Wa. N. Northing (y)	Sample Location DGPS Trimble NT300D NAD 1983, Decimal Minutes Latitude	Sample Location DGPS Trimble NT300D NAD 1983, Decimal Minutes Longitude	Distance to Target (m.)	GPS Status HDOP good < 2
A2-14	1	7-Aug	2050	3.7	12.1	10.1	-2.0	48 00.3549	122 13.3423	1300410.1	369995.8	1300413.0	369996.3	48 00.3550	122 13.3416	0.9	1.3
A2-19	1	7-Aug	1653	5.1	5.5	5.5	0.0	48 00.8173	122 13.2550	1300816.9	372800.1	1300817.6	372795.8	48 00.8166	122 13.2548	1.3	1.2
A2-22	1	4-Aug	1709	3.2	15.7	5.7	-6.1	48 01.2622	122 13.1975	1301100.1	375500.3	1301101.4	375501.5	48 01.2624	122 13.1972	0.5	1.1
A2-24	1	7-Aug	2013	2.8	9.2	9.5	0.3	48 01.1204	122 12.6769	1303207.7	374600.2	1303204.5	374600.2	48 01.1204	122 12.6777	1.0	1.2
A2-25	1	7-Aug	2022	2.3	7.5	9.7	2.2	48 01.1361	122 12.5076	1303899.9	374683.3	1303905.6	374685.0	48 01.1364	122 12.5062	1.8	1.2
A2-28	1	4-Aug	1728	5.8	19.0	6.6	-12.4	48 01.1639	122 12.0915	1305599.8	374822.0	1305602.3	374825.6	48 01.1645	122 12.0909	1.3	1.0
A2-30	1	4-Aug	1743	4.5	19.4	7.2	-9.7	48 01.0681	122 11.6503	1307388.8	374207.7	1307388.4	374208.4	48 01.0682	122 11.6504	0.2	1.0
A2-31	1	4-Aug	1758	3.6	14.8	7.9	-4.2	48 00.8931	122 11.1253	1309511.2	373106.2	1309511.2	373106.2	48 00.8931	122 11.1253	0.0	1.0
A2-32	1	4-Aug	1821	7.3	26.2	9.5	-15.2	48 00.4324	122 10.7257	1311092.0	370277.2	1311088.3	370276.1	48 00.4322	122 10.7266	1.2	0.9
A2-35B	1	4-Aug	1834	5.3	17.4	10.0	-7.4	47 59.9550	122 10.7470	1310954.4	367376.8	1310954.4	367378.0	47 59.9552	122 10.7470	0.4	1.1
A2-36	1	4-Aug	1853	6.9	26.9	10.4	-15.8	47 59.4626	122 10.7230	1311000.0	364381.9	1311004.7	364374.5	47 59.4614	122 10.7218	2.7	1.1
A2-37	1	6-Aug	1724	2.1	6.9	5.9	-1.0	47 59.0522	122 09.9675	1314039.5	361833.6	1314040.8	361837.2	47 59.0528	122 09.9672	1.2	1.0
A2-37B	1	6-Aug	1740	3.0	9.8	6.3	-3.5	47 58.9093	122 10.1864	1313131.1	360980.4	1313131.1	360980.4	47 58.9093	122 10.1864	0.0	0.9
A2-38	1	6-Aug	1834	4.8	15.7	8.0	-7.7	47 58.7744	122 10.7051	1310999.9	360197.3	1310999.9	360198.5	47 58.7746	122 10.7051	0.4	1.2
A2-38B	1	6-Aug	1821	4.5	14.8	7.6	-7.2	47 58.8814	122 10.4117	1312208.7	360826.8	1312208.7	360826.8	47 58.8814	122 10.4117	0.0	1.2
A2-40	1	6-Aug	1916	6.0	19.7	9.2	-10.5	47 57.9483	122 11.3355	1308338.5	355220.9	1308338.5	355220.9	47 57.9483	122 11.3355	0.0	1.2
A2-42	1	6-Aug	1936	11.0	36.1	9.7	-26.4	47 57.2866	122 11.3521	1308199.9	351199.8	1308229.8	351179.3	47 57.2833	122 11.3447	11.1	1.2
A2-43	1	6-Aug	2009	6.0	19.7	10.4	-9.3	47 57.0173	122 11.5059	1307543.0	349573.9	1307662.0	349556.6	47 57.0148	122 11.4767	36.6	1.2
A2-43B	1	6-Aug	2029	3.2	10.5	10.6	0.1	47 56.8737	122 10.9712	1309711.2	348662.6	1309711.2	348662.6	47 56.8737	122 10.9712	0.0	1.2
A3-02	1	5-Aug	1949	4.9	16.1	10.4	-11.2	48 01.8064	122 12.7707	1302899.9	378777.0	1302888.5	378775.4	48 01.8061	122 12.7735	3.5	1.1
A3-05	1	5-Aug	2000	5.5	18.0	10.6	-12.5	48 01.9738	122 12.1855	1305304.1	379751.9	1305316.3	379750.5	48 01.9736	122 12.1825	3.7	1.2
A3-07	1	5-Aug	2012	3.2	10.5	10.8	-7.3	48 01.9730	122 11.2800	1308995.8	379681.7	1308995.9	379684.1	48 01.9734	122 11.2800	0.7	1.2
A3-07B	1	5-Aug	2022	3.5	11.5	10.9	-8.0	48 02.0690	122 11.2180	1309258.9	380260.8	1309256.0	380260.9	48 02.0690	122 11.2187	0.9	1.2
A3-09	1	7-Aug	1844	7.9	25.9	6.8	-19.1	48 02.0206	122 10.3305	1312872.1	379903.3	1312874.5	379904.5	48 02.0208	122 10.3299	0.8	1.4
A3-10	1	7-Aug	1830	6.4	21.0	6.4	-14.6	48 01.7524	122 09.4654	1316371.1	378211.9	1316373.1	378213.1	48 01.7526	122 09.4649	0.7	1.3
A3-11	1	7-Aug	1811	6.0	19.7	6.0	-13.7	48 00.8621	122 09.0611	1317926.9	372771.7	1317925.6	372770.6	48 00.8619	122 09.0614	0.5	1.3
A3-12	1	7-Aug	1756	5.0	16.4	6.6	-9.8	48 00.0803	122 09.1519	1317475.1	368025.7	1317477.9	368023.3	48 00.0799	122 09.1512	1.1	0.9
A3-13	1	7-Aug	1739	3.0	9.8	6.2	-3.6	47 59.1546	122 09.5069	1315929.9	362423.6	1315931.2	362424.8	47 59.1548	122 09.5066	0.5	1.0
A4-03	1	5-Aug	1752	4.0	14.1	6.5	-6.5	48 01.6433	122 15.2662	1292706.8	377970.7	1292714.9	377969.4	48 01.6431	122 15.2642	2.5	1.0
A4-04	1	5-Aug	1802	4.0	14.8	6.9	-6.8	48 01.3913	122 14.7459	1294800.2	376399.9	1294798.6	376401.7	48 01.3916	122 14.7463	0.7	0.9
A4-05	1	5-Aug	1818	4.9	16.4	7.5	-8.0	48 01.6417	122 13.8699	1298400.0	377856.7	1298402.6	377864.0	48 01.6429	122 13.8693	2.3	0.9
A4-06	1	5-Aug	1838	3.7	12.8	8.3	-3.9	48 02.2697	122 13.4253	1300281.8	381641.3	1300279.4	381643.1	48 02.2700	122 13.4259	0.9	1.2
A4-07	1	5-Aug	1849	2.5	9.2	8.7	0.2	48 02.6817	122 12.4914	1304133.8	384077.3	1304133.8	384076.0	48 02.6815	122 12.4914	0.4	1.2
A4-08	1	5-Aug	1905	4.2	13.5	9.2	-3.6	48 02.8054	122 11.3695	1308720.1	384748.0	1308721.4	384751.7	48 02.8060	122 11.3692	1.2	1.2

Arranged by Date & Time

SOFTWARE: Corpscon 5.11.08

R/V Kittiwake

Comments
1 reject
1 reject
2 rejects, wood
1 reject, over-penetration
1 reject, over-penetration
1 reject, over-penetration
1 reject, over-penetration
1 reject, over-penetration
Too shallow, moved offshore
Moved 45 m north, shell fragments
SPI target
SPI target coordinates
SPI target coordinates

Arranged by Date & Time

SOFTWARE: Corpscon 5.11.08

R/V Kittiwake

Comments
2 rejects, over-penetration
1 reject
1 reject, over-penetration
SPI target
2 rejects, wood
1 reject
5 rejects, wood
1 reject, over-penetration
2 rejects
SPI target
New station, mouth of Deadwater Slough
1 reject
New station, near ship demolition site
6 rejects, moved station to center channel
2 rejects, moved offshore
7 rejects, moved station
New station east of boat launch, park
SPI target
SPI target
1 reject, wood
1 reject, over-penetration
2 rejects
1 reject, wood

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R/V Kittiwake

SAIC

Port Gardner Sediment Characterization

Fish & Crab Trawls

08-August-2008

High Rise 7.6-meter SCCWRP Trawl

Ordered by Date & Time

Station Name		Time	Depth (m.)	Depth (ft.)	Predicted Tide (ft.)	Mudline Depth (feet)	Wire Out (feet)	Trimble DGPS (NAD 83) Latitude decimal min.	Trimble DGPS (NAD 83) Longitude decimal min.	Trawl Distance & Direction/Time Comments
T01	**Start Set**	1007	5.8	19	7.2	-12		48 00.140	122 13.471	
Snohomish	**Start Tow**	1007	5.9	19	7.3	-12	150	48 00.108	122 13.481	502 meters
River	**End**	1014	7.0	23	7.3	-16		47 59.840	122 13.545	189º true, 7 min.
					flood					
T02	**Start Set**	1028	6.6	22	7.6	-14		48 00.163	122 13.510	
Snohomish	**Start Tow**	1029	6.9	23	7.6	-15	175	48 00.126	122 13.513	1005 meters
River	**End**	1043	8.7	29	7.8	-21		47 59.583	122 13.518	180º true, 14 min.
					flood					
T03	**Start Set**	1058	6.1	20	7.9	-12		48 00.121	122 13.478	
Snohomish	**Start Tow**	1059	6.7	22	7.9	-14	175	48 00.086	122 13.475	750 meters
River	**End**	1109	7.1	23	8.0	-15		47 59.685	122 13.560	188º true, 10 min.
					high flood					
T04	**Start Set**	1121	6.9	23	8.0	-15		48 00.026	122 13.484	
Snohomish	**Start Tow**	1122	6.9	23	8.1	-15	175	47 59.987	122 13.492	500 meters
River	**End**	1129	7.0	23	8.1	-15		47 59.722	122 13.568	191º true, 7 min.
					high					
T05	**Start Set**	1138	6.9	23	8.1	-15		47 59.991	122 13.566	
Snohomish	**Start Tow**	1139	6.7	22	8.1	-14	175	47 59.953	122 13.572	500 meters
River	**End**	1145	5.9	19	8.1	-11		47 59.682	122 13.597	183º true, 6 min.
					high					
T06	**Start Set**	1157	7.0	23	8.1	-15		47 59.990	122 13.487	
Snohomish	**Start Tow**	1158	7.2	24	8.1	-16	175	47 59.948	122 13.488	604 meters
River	**End**	1207	9.6	31	8.1	-23		47 59.622	122 13.502	182º true, 9 min.
					high					
T07	**Start Set**	1215	8.4	28	8.1	-19		47 59.723	122 13.463	
Snohomish	**Start Tow**	1216	7.8	26	8.1	-17	175	47 59.765	122 13.461	770 meters
River	**End**	1226	5.9	19	8.0	-11		48 00.180	122 13.456	001º true, 10 min.
					high					
T08	**Start Set**	1339	6.3	21	7.6	-13		48 00.137	122 15.713	
Delta Face	**Start Tow**	1340	6.6	22	7.6	-14	170	48 00.166	122 15.751	500 meters
	End	1347	5.6	18	7.6	-11		48 00.412	122 15.916	336º true, 7 min.
					high ebb					
T09	**Start Set**	1353	10	33	7.5	-25		48 00.441	122 15.978	
Delta Face	**Start Tow**	1354	11	36	7.5	-29	265	48 00.388	122 15.931	1000 meters
	End	1408	7	23	7.4	-16		47 59.914	122 15.548	152º true, 14 min.
					ebb					huge catch
T10	**Start Set**	1446	5.8	29	7.1	-22		48 00.054	122 15.666	
Delta Face	**Start Tow**	1447	10	28	7.1	-21	265	48 00.102	122 15.735	1002 meters
	End	1500	21	40	6.9	-33		48 00.578	122 16.120	332º true, 13 min.
					ebb					

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R/V Kittiwake **Port Gardner Sediment Characterization** **Fish & Crab Trawls**

08-August-2008 **High Rise 7.6-meter SCCWRP Trawl** **Ordered by Date & Time**

Station Name		Time	Depth (m.)	Depth (ft.)	Predicted Tide (ft.)	Mudline Depth (feet)	Wire Out (feet)	Trimble DGPS (NAD 83) Latitude decimal min.	Trimble DGPS (NAD 83) Longitude decimal min.	Trawl Distance & Direction/Time Comments
T11	**Start Set**	1536	13	35	6.7	-28		47 59.027	122 13.304	
East	**Start Tow**	1538	12	28	6.7	-21	300	47 58.972	122 13.370	350 meters
Waterway	**End**	1542	17	36	6.6	-29		47 58.820	122 13.540	217º true, 4 min.
					ebb					Huge log
T12	**Start Set**	1624	16	29	6.5	-23		47 58.763	122 13.359	
East	**Start Tow**	1626	16	35	6.5	-29	300	47 58.828	122 13.396	193 meters
Waterway	**End**	1629	14	40	6.5	-34		47 58.930	122 13.427	349º true, 3 min.
					high low					wood debris
T13	**Start Set**	1642	18	30	6.5	-24		47 58.783	122 13.483	
East	**Start Tow**	1643	20	37	6.5	-31	350	47 58.730	122 13.572	228 meters
Waterway	**End**	1646	27	34	6.5	-28		47 58.646	122 13.706	227º true, 3 min.
					high low					wood debris
T14	**Start Set**	1706	15	32	6.6	-25		47 58.889	122 13.423	
East	**Start Tow**	1708	16	37	6.6	-30	300	47 58.834	122 13.483	245 meters
Waterway	**End**	1711	20	34	6.6	-27		47 58.723	122 13.592	213º true, 3 min.
					flood					wood debris
T15	**Start Set**	1728	15	25	6.7	-18		47 58.879	122 13.539	
East	**Start Tow**	1729	17	35	6.7	-28	300	47 58.822	122 13.606	210 meters
Waterway	**End**	1732	25	34	6.7	-27		47 58.736	122 13.717	220º true, 3 min.
					flood					wood debris
T16	**Start Set**	1804	18	46	7.0	-39		47 58.770	122 13.500	
East	**Start Tow**	1806	20	43	7.0	-36	350	47 58.703	122 13.572	230 meters
Waterway	**End**	1810	23	30	7.0	-23		47 58.603	122 13.681	216º true, 4 min.
					flood					wood debris

SAIC

Bioassay Sediment Sampling, Young Grab

Arranged by Station Number

Port Gardner Sediment Characterization

SOFTWARE: Corpscon 5.11.08

August 2008

R/V Kittiwake

Station No.	Sample Rep.	Date	GPS Time	Meter Wheel Depth m.	Meter Wheel Depth ft.	Predicted Nearest Tide ft.	Predicted Mudline Depth, ft. (MLLW)	Sample Target NAD 1983, Decimal Minutes Latitude	Sample Target NAD 1983, Decimal Minutes Longitude	Sample Target NAD 1983, SPCS, Wa. N.. Easting (x)	Sample Target NAD 1983, SPCS, Wa. N.. Northing (y)	Sample Location DGPS Trimble NT300D NAD 1983, SPCS, Wa. N. Easting (x)	Sample Location DGPS Trimble NT300D NAD 1983, SPCS, Wa. N. Northing (y)	Sample Location DGPS Trimble NT300D NAD 1983, Decimal Minutes Latitude	Sample Location DGPS Trimble NT300D NAD 1983, Decimal Minutes Longitude	Distance to Target (m.)	GPS Status HDOP good < 2	Comments
A2-21	1	6-Oct	1217	3.0	9.8	9.5	-0.3	48 01.0060	122 12.9631	1302028.0	373925.7	1302028.0	373924.5	48 01.0058	122 12.9631	0.4	1.3	R/V Growler target coordinates
A2-13	1	6-Oct	1245	7.9	25.9	9.6	-16.3	48 00.1411	122 13.2196	1300887.2	368687.1	1300888.4	368687.7	48 00.1412	122 13.2193	0.4	1.2	Hg
	2	6-Oct	1700	7.1	23.3	7.1	-16.2			1300887.2	368687.1	1300889.6	368687.7	48 00.1412	122 13.2190	0.8	1.0	Bioassay
A2-07	1	6-Oct	1322	4.0	13.1	9.3	-3.8	47 59.6233	122 14.0359	1297499.8	365599.9	1297496.6	365601.2	47 59.6235	122 14.0367	1.1	1.0	
A1-24	1	6-Oct	1344	19.8	65.0	9.2	-57.9	47 58.5869	122 13.6466	1298974.1	359271.2	1298972.0	359271.3	47 58.5869	122 13.6471	0.6	0.9	
A1-10	1	6-Oct	1411	12.5	41.0	9.1	-31.9	47 58.9866	122 13.1857	1300899.0	361666.9	1300897.4	361667.5	47 58.9867	122 13.1861	0.5	1.1	1 reject
A1-07	1	6-Oct	1433	11.0	36.1	8.8	-27.3	47 59.0832	122 13.5801	1299300.1	362283.1	1299298.9	362284.4	47 59.0834	122 13.5804	0.5	1.2	
	2		1442	11.0	36.1	8.7	-27.4			1299300.1	362283.1	1299300.9	362282.5	47 59.0831	122 13.5799	0.3	1.2	
	3		1450	11.0	36.1	8.7	-27.4			1299300.1	362283.1	1299299.3	362283.2	47 59.0832	122 13.5803	0.2	1.2	
	4		1456	11.0	36.1	8.6	-27.5			1299300.1	362283.1	1299300.9	362283.1	47 59.0832	122 13.5799	0.2	1.2	
	5		1502	11.1	36.4	8.5	-27.9			1299300.1	362283.1	1299301.8	362283.7	47 59.0833	122 13.5797	0.5	1.2	
A1-03	1	6-Oct	1514	12.9	42.3	8.4	-33.9	47 59.1879	122 13.3154	1300391.8	362900.0	1300392.6	362897.6	47 59.1875	122 13.3152	0.8	1.3	
	2		1524	12.6	41.3	8.5	-32.8			1300391.8	362900.0	1300391.4	362901.3	47 59.1881	122 13.3155	0.4	1.4	
A1-01	1	6-Oct	1536	12.1	39.7	8.2	-31.5	47 59.2929	122 13.1447	1301099.9	363525.7	1301095.8	363525.8	47 59.2929	122 13.1457	1.2	1.2	
A1-16	1	6-Oct	1556	17.1	56.1	8.1	-48.0	47 58.7964	122 13.3519	1300199.9	360523.0	1300200.7	360524.2	47 58.7966	122 13.3517	0.4	1.2	
A2-10	1	6-Oct	1623	5.8	19.0	7.9	-11.1	47 59.5220	122 13.6210	1299181.5	364953.4	1299184.0	364953.4	47 59.5220	122 13.6204	0.7	1.2	
A2-11	1	6-Oct	1640	7.0	23.0	7.0	-16.0	47 59.8580	122 13.4330	1299985.5	366982.0	1299985.1	366982.6	47 59.8581	122 13.4331	0.2	1.3	1 reject
	2		1647	7.0	23.0	7.0	-16.0			1299985.5	366982.0	1299985.1	366981.4	47 59.8579	122 13.4331	0.2	1.3	
A2-18	1	7-Oct	1245	2.2	7.2	9.7	2.5	48 00.7258	122 13.0162	1301780.9	372226.4	1301780.4	372225.8	48 00.7257	122 13.0163	0.2	1.1	R/V Growler target coordinates
A2-25	1	7-Aug	1306	2.0	6.6	9.7	3.1	48 01.1361	122 12.5076	1303899.9	374683.3	1303900.7	374683.8	48 01.1362	122 12.5074	0.3	1.0	
A2-36	1	7-Aug	1410	7.0	23.0	9.4	-13.6	47 59.4626	122 10.7230	1311000.0	364381.9	1311000.8	364383.7	47 59.4629	122 10.7228	0.6	1.2	
A2-14	1	7-Aug	1448	2.9	9.5	9.3	-0.2	48 00.3549	122 13.3423	1300410.1	369995.8	1300408.1	369996.4	48 00.3550	122 13.3428	0.6	1.2	
A4-08B	1	8-Oct	1032	1.9	6.2	9.2	3.0	48 02.8558	122 10.9137	1310583.3	385021.8	1310587.4	385022.3	48 02.8559	122 10.9127	1.3	1.0	R/V Growler target coordinates
A3-07B	1	8-Oct	1131	2.2	7.2	7.9	0.7	48 02.0690	122 11.2180	1309258.9	380260.8	1309259.6	380257.8	48 02.0685	122 11.2178	1.0	1.0	
A3-05E	1	8-Oct	1205	2.0	6.6	8.6	2.0	48 02.0279	122 12.0868	1305712.3	380073.6	1305712.3	380073.6	48 02.0279	122 12.0868	0.0	1.4	New target, A3-05C too shallow
A3-06B	1	8-Oct	1224	2.6	8.5	8.9	0.4	48 01.8742	122 12.0789	1305727.9	379138.8	1305727.9	379138.8	48 01.8742	122 12.0789	0.0	1.4	New target, A3-06 too shallow

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SAIC, CARR INLET REFERENCE SEDIMENT COLLECTION

October, 2008

R/V Kittiwake

Station No.	Sample No.	Date	Time	Recorded Depth m.	Predicted Nearest Tide (m.):	Predicted Depth, m. (MLLW)	Sample Location DGPS (Trimble NT300D) NAD 83, Decimal Minutes Latitude	Longitude	Station Target NAD 1983 Decimal Minutes Latitude	Longitude	GPS Status HDOP	Comments
CR-20	1	09-Oct-08	1103	16.4	1.89	-14.5	47 19.9991	122 40.2403	47 19.9990	122 40.2400	0.9	Combined
(84% fines)												CR-20 & CR-24
CR-24	1	09-Oct-08	1241	17.0	3.00	-14.0	47 19.9972	122 40.4152	47 19.9970	122 40.4150	1.1	total 72% fines
(58% fines)												
CR-23 mod	1	09-Oct-08	1415	18.6	3.66	-14.9	47 19.9814	122 40.5633	47 19.9808	122 40.5635	1.1	Nice sediments
(49% fines)						0.0						
CR-22S	1	09-Oct-08	1530	15.8	3.79	-12.0	47 19.9601	122 40.6402	47 19.9600	122 40.6400	1.1	some
(16% fines)	2		1538	15.8	3.78	-12.0	47 19.9597	122 40.6403			1.2	sulfides

SAIC, CARR INLET REFERENCE SEDIMENT COLLECTION

11 November, 2008

R/V Kittiwake

Station No.	Time	Recorded Depth m.	Predicted Nearest Tide (m.):	Predicted Depth, m. (MLLW)	Sample Location DGPS (Trimble NT300D) NAD 83, Decimal Minutes Latitude	Longitude	Station Target NAD 1983 Decimal Minutes Latitude	Longitude	GPS Status HDOP	Comments
CR-20/24	1405	17.0	3.81	-13.2	47 19.9962	122 40.3291	47 19.9960	122 40.329	1.0	Lots of worms
(65% fines)										& brittle stars
CR-23 mod	1526	18.8	4.00	-14.8	47 19.9807	122 40.5626	47 19.9808	122 40.5635	0.9	Some sulfides
(49% fines)										

R/V Nancy Anne - Video Probe Locations
Port Gardner Sediment Characterization
Nobeltech Version = 9.2.2218

Station/Date/Time	Latitude	Longitude
A1-01-P1-08/11/08 10:17:19	47 59.28920 N	122 13.14263 W
A1-02-P1-08/11/08 10:32:15	47 59.25977 N	122 13.25344 W
A1-01B-P1-08/11/08 10:42:06	47 59.29916 N	122 13.32759 W
A1-03-P1-08/11/08 10:53:12	47 59.18807 N	122 13.31531 W
A1-04-P1-08/11/08 11:03:56	47 59.18976 N	122 13.14165 W
A1-05-P1-08/11/08 11:25:29	47 59.12873 N	122 13.24430 W
A1-08-P1-08/11/08 11:44:52	47 59.03034 N	122 13.25471 W
A1-06-P1-08/11/08 11:53:07	47 59.09254 N	122 13.35067 W
A1-07-P1-08/11/08 12:12:36	47 59.08334 N	122 13.57749 W
A1-09-P1-08/11/08 12:42:33	47 59.00985 N	122 13.44724 W
A2-11-P1-08/11/08 13:04:26	47 59.85756 N	122 13.43216 W
A2-13-P1-08/11/08 13:14:00	48 00.14087 N	122 13.21957 W
A2-14-P1-08/11/08 13:24:52	48 00.35612 N	122 13.34127 W
A2-16-P1-08/11/08 13:34:01	48 00.44929 N	122 13.13161 W
A2-16-P2-08/11/08 13:38:55	48 00.44659 N	122 13.13571 W
A2-16-P3-08/11/08 13:40:13	48 00.44589 N	122 13.13415 W
A2-18-P1-08/11/08 13:53:45	48 00.66427 N	122 13.12882 W
A2-18-P2-08/11/08 13:55:06	48 00.66488 N	122 13.12454 W
A2-18-P3-08/11/08 13:56:23	48 00.66436 N	122 13.11755 W
A2-20-P1-08/11/08 14:05:36	48 00.78089 N	122 12.95444 W
A2-20-P2-08/11/08 14:06:40	48 00.78009 N	122 12.95179 W
A2-20-P3-08/11/08 14:09:06	48 00.77719 N	122 12.94490 W
A2-21-P1-08/11/08 14:18:39	48 00.91893 N	122 12.97913 W
A2-21-P2-08/11/08 14:19:21	48 00.91823 N	122 12.97760 W
A2-21-P3-08/11/08 14:21:36	48 00.91731 N	122 12.97318 W
A2-24-P1-08/11/08 14:33:11	48 01.12160 N	122 12.67948 W
A2-25-P1-08/11/08 14:45:16	48 01.13539 N	122 12.50730 W
A2-25-P2-08/11/08 14:47:10	48 01.13493 N	122 12.50292 W
A2-25-P3-08/11/08 14:49:08	48 01.13413 N	122 12.49653 W
A2-28-P1-08/11/08 15:02:31	48 01.16330 N	122 12.09129 W
A2-30-P1-08/11/08 15:13:15	48 01.06712 N	122 11.65420 W
A2-31-P1-08/11/08 15:27:48	48 00.89198 N	122 11.12294 W
A2-32-P1-08/11/08 15:38:34	48 00.43378 N	122 10.72436 W
A2-35-P1-08/11/08 15:48:29	47 59.95057 N	122 10.76046 W
A2-36-P1-08/11/08 16:08:55	47 59.46255 N	122 10.71943 W
A2-37-P1-08/11/08 16:22:17	47 59.05183 N	122 09.96806 W
A2-37B-P1-08/11/08 16:34:10	47 58.89810 N	122 10.19291 W
A1-10-P1-08/12/08 09:49:47	47 58.98754 N	122 13.18412 W
A1-12-P1-08/12/08 09:58:44	47 58.89206 N	122 13.25198 W
A1-11-P1-08/12/08 10:08:20	47 58.94077 N	122 13.43016 W
A1-15-P1-08/12/08 10:18:19	47 58.79403 N	122 13.51981 W
A1-20-P1-08/12/08 10:27:28	47 58.71257 N	122 13.51923 W
A1-16-P1-08/12/08 10:36:12	47 58.79398 N	122 13.35027 W
A1-18-P1-08/12/08 10:58:40	47 58.73744 N	122 13.79108 W
A1-17-P1-08/12/08 11:14:48	47 58.73958 N	122 13.64973 W
A1-24-P1-08/12/08 11:30:00	47 58.58702 N	122 13.64481 W

R/V Nancy Anne - Video Probe Locations
Port Gardner Sediment Characterization
Nobeltech Version = 9.2.2218

Station/Date/Time	Latitude	Longitude
A2-02-P1-08/12/08 11:53:17	48 00.19844 N	122 15.36977 W
A4-06-P1-08/12/08 12:58:05	48 02.26970 N	122 13.42701 W
A3-01-P1-08/12/08 13:12:21	48 01.95124 N	122 13.21752 W
A3-02-P1-08/12/08 13:20:13	48 01.80768 N	122 12.76973 W
A3-04-P1-08/12/08 13:27:26	48 01.86104 N	122 12.40492 W
A3-05-P1-08/12/08 13:34:44	48 01.97451 N	122 12.18339 W
A3-07-P1-08/12/08 13:47:08	48 01.97296 N	122 11.28021 W
A3-07-P2-08/12/08 13:54:54	48 01.97266 N	122 11.28114 W
A4-05-P1-08/12/08 14:24:58	48 01.64078 N	122 13.86835 W
A4-04-P1-08/12/08 14:35:51	48 01.39106 N	122 14.74346 W
A2-07-P1-08/12/08 14:55:43	47 59.62288 N	122 14.03765 W
A2-07-P2-08/12/08 15:01:26	47 59.62351 N	122 14.04295 W

R/V Nancy Anne - Core Sample Locations
Port Gardner Sediment Characterization
Nobeltech Version = 9.2.2218

Station/Date/Time	Latitude	Longitude
A1-03-C1-08/13/08 09:57:05	47 59.18784 N	122 13.31380 W
A1-07-C1-08/13/08 10:55:38	47 59.08175 N	122 13.57536 W
A1-07-C2-08/13/08 11:18:58	47 59.07883 N	122 13.58473 W
A1-07-C3-08/13/08 11:39:37	47 59.08140 N	122 13.57512 W
A1-15-C1-08/13/08 12:27:29	47 58.79239 N	122 13.51888 W
A2-37B-C1-08/13/08 13:50:25	47 58.90041 N	122 10.18288 W
A2-32-C1-08/13/08 14:38:28	48 00.43364 N	122 10.72622 W
A2-30-C1-08/13/08 15:22:54	48 01.06702 N	122 11.65250 W
A2-25-C1-08/13/08 16:01:10	48 01.13109 N	122 12.49544 W
A2-18-C1-08/13/08 16:31:59	48 00.66609 N	122 13.11828 W
A2-11-C1-08/13/08 17:29:57	47 59.85857 N	122 13.43158 W
A1-12B-C1-08/14/08 09:46:28	47 58.89695 N	122 13.21209 W
A1-18-C1-08/14/08 10:33:34	47 58.73858 N	122 13.78781 W
A1-24-C1-08/14/08 11:06:12	47 58.58797 N	122 13.64510 W
A3-05-C1-08/14/08 12:35:27	48 01.97529 N	122 12.18341 W
A4-04-C1-08/14/08 13:15:48	48 01.39345 N	122 14.74494 W
A2-02-C1-08/14/08 13:48:06	48 00.19943 N	122 15.37447 W
A2-07-C1-08/14/08 14:17:45	47 59.62332 N	122 14.03390 W

R/V Growler - Surface Sediment Sampling (Areas Inaccessible by R/V Kittiwake)
SAIC - Hypack & Trimble Navigation
Port Gardner Sediment Characterization

Station	Date	Time	Latitude N (Dec Deg)	Longitude W (Dec Deg)
A2-26	8/11/2008	17:13:24	48.02091622	-122.200812
A2-29	8/11/2008	17:38:53	48.02046577	-122.1965327
A2-34B	8/11/2008	18:10:13	48.00587797	-122.1799241
A2-34B	8/11/2008	18:21:30	48.00444289	-122.1804788
A2-35B	8/11/2008	18:39:37	48.0014628	-122.1815906
A2-33B	8/11/2008	19:01:17	48.00263854	-122.1774667
A2-46	8/11/2008	20:04:51	48.0239177	-122.176352
A3-05D	8/11/2008	20:26:40	48.03440767	-122.1939094
A3-05C	8/11/2008	20:45:35	48.03419795	-122.1998243
A3-05B	8/11/2008	21:03:58	48.034473	-122.2023972
A4-08B	8/11/2008	21:32:34	48.04759628	-122.1818945
A4-09	8/11/2008	21:46:00	48.04281379	-122.1737259
A4-10	8/11/2008	22:02:24	48.03617227	-122.1623371
A2-23	8/11/2008	22:33:00	48.0184829	-122.2134639
A2-21	8/11/2008	22:47:17	48.01676666	-122.2160509
A2-18	8/11/2008	23:00:00	48.01209606	-122.216937
A2-16	8/11/2008	23:12:11	48.00871582	-122.2184918

R/V Growler - Sequim Bay Reference Sediment Collection
SAIC - Raymarine GPS
Port Gardner Sediment Characterization

Station	Date	Time	Latitude N	Longitude W
SQ-REF-7	11/25/2008	12:45	48 04.039	123 02.037
SQ-REF-48	11/25/2008	14:45	48 04.690	123 01.364

Port Gardner Clam and Plant Tissue Collections
SAIC
Port Gardner Sediment Characterization

Station	Date	Time	Latitude N	Longitude W	Comments
PG-A1-31B	8/12/2008	8:20	47 58.2320	122 13.8370	Clam & Shrimp
PG-A1-49	8/12/2008	9:06	47 57.8570	122 14.4800	Clam & Shrimp
PG-A2-18B	8/14/2008	10:30	48 00.7470	122 12.8720	Eastern Softshell Clams
PG-A2-25B	8/14/2008	12:00	48 01.0620	122 12.5160	Eastern Softshell Clams
PG-A1-50	8/15/2008	11:24	47 57.5470	122 15.5740	Clam & Shrimp
PG-A1-46B	8/15/2008	12:34	47 57.4930	122 16.4350	Clam & Shrimp
PG-A3-14	10/15/2008	11:44	47 59.5870	122 09.7910	Plant Tissue
PG-A3-15	10/15/2008	13:00	48 02.4657	122 10.9453	Plant Tissue