APPENDIX B

LOCATION CONTROL DATA

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5/23/2007

Anchor Environmental

Lower Duwamish Waterway Trawls

30-September-06 **Standard 7.6-meter SCCWRP Trawl** **Ordered by Time**

Station Name		Time	Depth (feet)	Predicted Tide	Mudline Depth (feet)	Wire Out (feet)	Northstar DGPS (NAD 83) Latitude decimal min.	Longitude decimal min.	Trawl Distance & Direction/Time Comments
01-1B	**Start Set**	0900	47	5.9	-41		47 34.013	122 20.817	0.21 nm
	Start Tow	0902	49	6.0	-43	310	47 33.941	122 20.822	(381 meters)
	End	0907	34	6.1	-28		47 33.740	122 20.757	168º true, 5 min.
				flood					
02-1B	**Start Set**	0918	38	6.5	-32		47 33.789	122 20.787	0.18 nm
	Start Tow	0920	38	6.6	-31	310	47 33.852	122 20.812	(334 meters)
	End	0925	55	6.7	-48		47 34.028	122 20.870	347º true, 5 min.
				flood					
03-1A	**Start Set**	0934	34	7.0	-27		47 33.968	122 20.936	0.18 nm
	Start Tow	0936	44	7.1	-37	280	47 33.904	122 20.909	(341 meters)
	End	0940	42	7.2	-35		47 33.731	122 20.817	160º true, 4 min.
				flood					
04-1A	**Start Set**	0954	34	7.6	-26		47 33.974	122 20.936	0.13 nm
	Start Tow	0955	46	7.6	-38	280	47 33.909	122 20.913	(238 meters)
	End	0959	43	7.7	-35		47 33.789	122 20.846	159º true, 4 min.
				flood					Hang Up!
05-1C	**Start Set**	1039	45	8.7	-36		47 33.764	122 20.846	0.20 nm
	Start Tow	1040	34	8.7	-25	280	47 33.698	122 20.814	(372 meters)
	End	1045	33	8.8	-24		47 33.511	122 20.707	159º true, 5 min.
				flood					
06-1C	**Start Set**	1102	43	9.2	-34		47 33.760	122 20.845	0.20 nm
	Start Tow	1104	41	9.2	-32	280	47 33.697	122 20.807	(370 meters)
	End	1109	33	9.3	-24		47 33.510	122 20.704	160º true, 6 min.
				flood					
07-1D	**Start Set**	1124	38	9.6	-28		47 33.778	122 20.772	0.20 nm
	Start Tow	1125	39	9.6	-29	280	47 33.718	122 20.749	(378 meters)
	End	1130	36	9.6	-26		47 33.526	122 20.648	160º true, 5 min.
				flood					
08-1D	**Start Set**	1224	32	10.1	-22		47 33.774	122 20.766	0.20 nm
	Start Tow	1225	33	10.1	-23	250	47 33.714	122 20.738	(371 meters)
	End	1230	31	10.1	-21		47 33.525	122 20.641	161º true, 5 min.
				high flood					Huge rock
09-1E	**Start Set**	1302	31	10.2	-21		47 33.548	122 20.739	0.20 nm
	Start Tow	1303	31	10.2	-21	250	47 33.493	122 20.699	(375 meters)
	End	1308	40	10.2	-30		47 33.302	122 20.600	161º true, 5 min.
				high					
10-1E	**Start Set**	1319	34	10.2	-24		47 33.550	122 20.736	0.20 nm
	Start Tow	1321	30	10.2	-20	270	47 33.498	122 20.705	(376 meters)
	End	1326	40	10.2	-30		47 33.308	122 20.601	160º true, 5 min.
				high					
11-1F	**Start Set**	1338	34	10.1	-24		47 33.568	122 20.667	0.21 nm
	Start Tow	1340	37	10.1	-27	280	47 33.504	122 20.638	(390 meters)
	End	1345	38	10.1	-28		47 33.307	122 20.530	160º true, 5 min.
				high ebb					
12-1F	**Start Set**	1400	27	10.0	-17		47 33.570	122 20.660	0.21 nm
	Start Tow	1401	32	10.0	-22	270	47 33.509	122 20.631	(384 meters)
	End	1407	39	10.0	-29		47 33.313	122 20.532	161º true, 6 min.
				high ebb					

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Station Name		Time	Depth (feet)	Predicted Tide	Mudline Depth (feet)	Wire Out (feet)	Northstar DGPS (NAD 83) Latitude decimal min.	Longitude decimal min.	Trawl Distance & Direction/Time Comments
13-1F	**Start Set**	1419	36	9.9	-26		47 33.567	122 20.670	0.20 nm
	Start Tow	1421	38	9.8	-28	280	47 33.499	122 20.637	(374 meters)
	End	1426	40	9.8	-30		47 33.309	122 20.538	161º true, 5 min.
				high ebb					
14-1D	**Start Set**	1440	40	9.7	-30		47 33.772	122 20.790	0.20 nm
	Start Tow	1441	44	9.7	-34	300	47 33.703	122 20.757	(368 meters)
	End	1446	42	9.6	-32		47 33.515	122 20.661	161º true, 5 min.
				ebb					
15-1D	**Start Set**	1501	40	9.4	-31		47 33.773	122 20.783	0.20 nm
	Start Tow	1503	39	9.4	-30	310	47 33.704	122 20.743	(377 meters)
	End	1508	29	9.3	-20		47 33.514	122 20.636	159º true, 5 min.
				ebb					
16-1A	**Start Set**	1521	36	9.2	-27		47 33.976	122 20.938	0.20 nm
	Start Tow	1522	46	9.2	-37	300	47 33.912	122 20.907	(377 meters)
	End	1527	42	9.2	-33		47 33.719	122 20.812	162º true, 5 min.
				ebb					
17-1A	**Start Set**	1540	36	9.1	-27		47 33.965	122 20.932	0.18 nm
	Start Tow	1542	46	9.1	-37	310	47 33.891	122 20.897	(341 meters)
	End	1546	41	9.0	-32		47 33.715	122 20.817	163º true, 4 min.
				ebb					
18-1B	**Start Set**	1556	55	8.8	-46		47 33.976	122 20.876	0.19 nm
	Start Tow	1558	49	8.8	-40	360	47 33.894	122 20.844	(344 meters)
	End	1603	40	8.8	-31		47 33.719	122 20.754	161º true, 5 min.
				ebb					
19-1C	**Start Set**	1615	43	8.6	-34		47 33.767	122 20.840	0.22 nm
	Start Tow	1616	42	8.6	-33	280	47 33.711	122 20.813	(407 meters)
	End	1622	28	8.6	-19		47 33.504	122 20.704	160º true, 6 min.
				ebb					
20-1C	**Start Set**	1635	43	8.5	-35		47 33.767	122 20.833	0.22 nm
	Start Tow	1636	42	8.4	-34	260	47 33.711	122 20.811	(390 meters)
	End	1642	28	8.4	-20		47 33.510	122 20.718	163º true, 6 min.
				ebb					
21-1C	**Start Set**	1651	43	8.3	-35		47 33.753	122 20.831	0.20 nm
	Start Tow	1652	42	8.3	-34	310	47 33.687	122 20.790	(367 meters)
	End	1657	39	8.3	-31		47 33.501	122 20.689	160º true, 5 min.
				ebb					
22-1D	**Start Set**	1710	30	8.2	-22		47 33.776	122 20.761	0.20 nm
	Start Tow	1711	30	8.2	-22	250	47 33.716	122 20.741	(369 meters)
	End	1716	27	8.2	-19		47 33.529	122 20.640	160º true, 5 min.
				ebb					
23-1D	**Start Set**	1731	27	8.1	-19		47 33.565	122 20.668	0.21 nm
	Start Tow	1732	28	8.1	-20	250	47 33.623	122 20.699	(382 meters)
	End	1737	25	8.1	-17		47 33.824	122 20.766	347º true, 5 min.
				ebb					