

Appendix H. Forage fish sample location and egg count for 2007-2008 Nearshore Strait of Juan de Fuca assessment

<u>Date</u>	<u>Site</u>	<u>Time</u>	<u>Sample number</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Species</u>	<u>1 cell to morula</u>	<u>blastula</u>	<u>gastrula</u>	<u>1/2-1 coil</u>	<u>1 coil</u>	<u>1 1/2 coil</u>	<u>>1 1/2 coil</u>	<u>late eyed</u>	<u>dead</u>	<u># eggs</u>	<u>% dead</u>	<u># broods</u>
7/27/07	east of morse creek		5	48.13700	123.20030	smelt									3	3	100%	
7/27/07	east of morse creek		6	48.13389	123.20599	smelt									6	6	100%	
7/27/07	east of morse creek		7	48.12999	123.21208	smelt									1	1	100%	
7/27/07	east of morse creek		8	48.12650	123.21785											0		
7/27/07	west of McDonald Creek		1	48.07033	123.14591	smelt				2	9	6			21	38	55%	3
7/27/07	west of McDonald Creek		2	48.07119	123.14194	smelt		1	4	6	2				8	21	38%	4
7/27/07	west of McDonald Creek		3	48.07293	123.13745	smelt				4	6				17	27	63%	2
7/27/07	west of McDonald Creek		4	48.07480	123.13338	smelt				1					23	24	96%	1
8/2/07	Freshwater Bay		1	48.13662	123.58345											0		
8/2/07	Freshwater Bay		2	48.13837	123.57930	smelt		1	1	2					2	6		3
8/2/07	Freshwater Bay		3	48.13963	123.57085	smelt		4	1		1				7	13		3
8/2/07	Freshwater Bay		4	48.14132	123.59372	smelt									5	5	100%	
8/2/07	Freshwater Bay		5	48.13763	123.58910	smelt		7		1					8	16	50%	2
8/2/07	Freshwater Bay		6	48.13895	123.57825	smelt									4	4	100%	1
8/2/07	Freshwater Bay		7	48.14021	123.57578											0		
8/7/07	Dungeness Bluffs		1	48.12048	123.28492	smelt		4	14	11	21	8			48	106	45%	5
8/7/07	Dungeness Bluffs		2	48.11896	123.28432											0		
8/7/07	Dungeness Bluffs		3	48.11892	123.29663	smelt		3	9		5	8	1		35	61	57%	5
8/7/07	Dungeness Bluffs		4	48.11763	123.30074	smelt			3		2		1		9	15	60%	3
8/7/07	Dungeness Bluffs		5	48.11600	123.30537											0		
8/7/07	Dungeness Bluffs		6	48.11475	123.31222											0		
8/7/07	Dungeness Bluffs		7	48.11719	123.27420	smelt	3			2					4	9	44%	2
8/7/07	Dungeness Bluffs		8	48.11806	123.28246	smelt				6		1	1		18	26	69%	3
8/7/07	Dungeness Bluffs		9	48.11338	123.32187											0		
8/7/07	Dungeness Bluffs		10	48.11325	123.31897	smelt				5	4	11	4		23	47	49%	4
8/7/07	Dungeness Bluffs		11	48.11340	123.31585											0		
8/7/07	Dungeness Bluffs		12	48.11407	123.31241											0		
11/5/07	Crescent Beach	16:00	1	48.10635	123.71197											0		
11/5/07	Crescent Beach	16:10	2	48.16143	123.70967											0		
11/5/07	Crescent Beach	16:30	3	48.16293	123.70643											0		
11/5/07	Crescent Beach	16:45	4	48.16433	123.70474											0		
11/20/07	Ediz Hook	15:49	1	48.13804	123.46049											0		
11/20/07	Ediz Hook	16:04	2	48.13801	123.45678											0		
11/20/07	Ediz Hook	16:14	3	48.14005	123.45185											0		
11/20/07	Ediz Hook	16:30	4	48.14207	123.42791											0		
11/20/07	Elwha Bluffs	13:30	1	48.16219	123.70705											0		
11/20/07	Elwha Bluffs	14:00	2	48.13198	123.50306											0		
11/20/07	Elwha Bluffs	14:20	3	48.13200	123.49923											0		
11/20/07	Elwha Bluffs	15:00	4	48.13244	123.48788											0		
11/21/07	Dungeness Bluffs/ McDc	14:13	1	48.12580	123.21981											0		
11/21/07	Dungeness Bluffs/ McDc	14:29	2	48.12776	123.21529											0		
11/21/07	Dungeness Bluffs/ McDc	14:45	3	48.13162	123.20977											0		
11/21/07	Dungeness Bluffs/ McDc	14:56	4	48.13371	123.20610											0		
11/21/07	Dungeness Bluffs/ McDc	15:13	5	48.13933	123.19733											0		
11/21/07	Dungeness Spit	15:36	1	48.16748	123.16101											0		
11/21/07	Dungeness Spit	15:45	2	48.16159	123.10549											0		

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<u>Date</u>	<u>Site</u>	<u>Time</u>	<u>Sample number</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Species</u>	<u>1 cell to morula</u>	<u>blastula</u>	<u>gastrula</u>	<u>1/2-1 coil</u>	<u>1 coil</u>	<u>1 1/2 coil</u>	<u>>1 1/2 coil</u>	<u>late eyed</u>	<u>dead</u>	<u># eggs</u>	<u>% dead</u>	<u># broods</u>
11/21/07	Dungeness Spit	16:00	3	48.15695	123.17509											0		
11/21/07	Dungeness Spit	16:21	4	48.15136	123.18211											0		
11/22/07	Fresh Water Bay	14:10	1	48.13671	123.58242											0		
11/22/07	Fresh Water Bay	14:30	2	48.13759	123.59049											0		
11/22/07	Fresh Water Bay	14:40	3	48.13838	123.57890											0		
11/22/07	Fresh Water Bay	15:00	4	48.14245	123.57179											0		
11/22/07	Fresh Water Bay	15:10	5	48.14143	123.57337											0		
11/24/07	DB- Siebert Ck/ McDon	15:00	1	48.12505	123.22120											0		
11/24/07	DB- Siebert Ck/ McDon	15:23	2	48.12262	123.22651											0		
11/24/07	DB- Siebert Ck/ McDon	15:43	3	48.11972	123.23336											0		
11/24/07	DB- Siebert Ck/ McDon	16:02	4	48.11756	123.23959											0		
12/17/07	Crescent Beach	13:40	1	48.16504	123.70442											0		
12/17/07	Crescent Beach	14:20	2	48.15884	123.71478											0		
12/17/07	Crescent Beach	14:40	3	48.15996	123.71253											0		
12/17/07	Crescent Beach	14:55	4	48.16090	123.71015											0		
12/17/07	Crescent Beach	15:00	5	48.16175	123.70841											0		
12/18/07	Ediz Hook	15:35	1	48.14197	123.43775											0		
12/18/07	Ediz Hook	15:40	2	48.14207	123.43461											0		
12/18/07	Ediz Hook	15:55	3	48.14209	123.42795											0		
12/18/07	Ediz Hook	16:14	4	48.13786	123.46100											0		
12/18/07	Elwha Bluffs	13:10	1	48.13178	123.50685											0		
12/18/07	Elwha Bluffs	13:40	2	48.13193	123.50041											0		
12/18/07	Elwha Bluffs	13:55	3	48.13228	123.49432											0		
12/18/07	Elwha Bluffs	14:10	4	48.13240	123.48819											0		
12/18/07	Elwha Bluffs	14:30	5	48.13269	123.48242											0		
12/19/07	Dung Bluffs	12:50	1	48.12605	123.21867											0		
12/19/07	Dung Bluffs	13:03	2	48.12998	123.21149											0		
12/19/07	Dung Bluffs	13:15	3	48.13370	123.20596											0		
12/19/07	Dung Bluffs	13:26	4	48.13765	123.19982											0		
12/19/07	Dung Bluffs	13:35	5	48.14154	123.19376											0		
12/19/07	Dung Spit	13:51	1	48.16275	123.16748											0		
12/19/07	Dung Spit	14:02	2	48.15932	123.17187											0		
12/19/07	Dung Spit	14:09	3	48.15683	123.17524											0		
12/19/07	Dung Spit	14:19	4	48.18259	123.18066											0		
12/20/07	Fresh Water Bay	13:15	1	48.13645	123.58326											0		
12/20/07	Fresh Water Bay	13:30	2	48.13716	123.58154											0		
12/20/07	Fresh Water Bay	13:39	3	48.13800	123.57962											0		
12/20/07	Fresh Water Bay	13:47	4	48.13877	123.57806											0		
1/15/08	Crescent Bay	11:01	1	48.16224	123.70638											0		
1/15/08	Crescent Bay	11:15	2	48.15970	123.71315											0		
1/15/08	Crescent Bay	11:28	3	48.16042	123.71129											0		
1/15/08	Crescent Bay	11:40	4	48.16217	123.70769											0		
1/15/08	Crescent Bay	11:56	5	48.16461	123.70476											0		
1/16/08	Fresh Water Bay	11:01	1	48.13699	123.58194											0		
1/16/08	Fresh Water Bay	11:11	2	48.13824	123.57909											0		
1/16/08	Fresh Water Bay	11:21	3	48.13949	123.57679											0		

Appendix H. Forage fish sample location and egg count for 2007-2008 Nearshore Strait of Juan de Fuca assessment

<u>Date</u>	<u>Site</u>	<u>Time</u>	<u>Sample number</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Species</u>	<u>1 cell to morula</u>	<u>blastula</u>	<u>gastrula</u>	<u>1/2-1 coil</u>	<u>1 coil</u>	<u>1 1/2 coil</u>	<u>>1 1/2 coil</u>	<u>late eyed</u>	<u>dead</u>	<u># eggs</u>	<u>% dead</u>	<u># broods</u>
1/16/08	Fresh Water Bay	11:31	4	48.14090	123.57416											0		
1/16/08	Fresh Water Bay	11:42	5	48.14172	123.57280											0		
1/17/08	Ediz Hook	14:54	1	48.13960	123.45467											0		
1/17/08	Ediz Hook	15:15	2	48.14068	123.44827											0		
1/17/08	Ediz Hook	15:30	3	48.14152	123.44215											0		
1/17/08	Ediz Hook	15:48	4	48.14200	123.43589											0		
1/17/08	Ediz Hook	16:02	5	48.14223	123.43628											0		
1/17/08	Elwha Bluffs	12:53	1	48.13140	123.50555											0		
1/17/08	Elwha Bluffs	13:07	2	48.13189	123.50159											0		
1/17/08	Elwha Bluffs	13:26	3	48.13218	123.49651											0		
1/17/08	Elwha Bluffs	13:44	4	48.13240	123.49070											0		
1/17/08	Elwha Bluffs	14:04	5	48.13243	123.48594											0		
1/18/08	Dungeness Bluffs	13:43	1	48.12565	123.22010											0		
1/18/08	Dungeness Bluffs	13:59	2	48.12777	123.21529											0		
1/18/08	Dungeness Bluffs	14:11	3	48.13095	123.21032											0		
1/18/08	Dungeness Bluffs	14:23	4	48.13444	123.20493											0		
1/18/08	Dungeness Bluffs	14:33	5	48.13818	123.19908											0		
1/18/08	Dungeness Spit	14:56	1	48.16255	123.16792											0		
1/18/08	Dungeness Spit	15:06	2	48.16000	123.17119											0		
1/18/08	Dungeness Spit	15:17	3	48.15448	123.17848											0		
1/18/08	Dungeness Spit	15:28	4	48.15248	123.18091											0		
7/15/08	Crescent Beach	7:15	1	48.15897	123.71400											0		
7/15/08	Crescent Beach	7:40	2	48.15988	123.71270											0		
7/15/08	Crescent Beach	7:55	3	48.16050	123.71107											0		
7/15/08	Crescent Beach	8:05	4	48.16119	123.70959											0		
7/15/08	Crescent Beach	8:25	5	48.16485	123.70457											0		
7/15/08	Freshwater Bay	9:30	1	48.13663	123.58346											0		
7/15/08	Freshwater Bay	9:44	2	48.13721	123.58179											0		
7/15/08	Freshwater Bay	9:55	3	48.13784	123.58025											0		
7/15/08	Freshwater Bay	10:06	4	48.13868	123.57867											0		
7/15/08	Freshwater Bay	10:20	5	48.14014	123.57565											0		
7/16/08	Ediz Hook	9:15	1	48.13969	123.45418											0		
7/16/08	Ediz Hook	9:31	2	48.14030	123.45016											0		
7/16/08	Ediz Hook	9:52	3	48.14096	123.44600											0		
7/16/08	Ediz Hook	9:15	10	48.14219	123.43294											0		
7/16/08	Ediz Hook	9:30	11	48.14218	123.43069											0		
7/16/08	Ediz Hook	9:45	12	48.14229	123.42846											0		
7/16/08	Elwha Bluffs	7:15	1	48.13193	123.50731											0		
7/16/08	Elwha Bluffs	7:27	2	48.13192	123.50497											0		
7/16/08	Elwha Bluffs	7:35	3	48.13196	123.50294											0		
7/16/08	Elwha Bluffs	7:50	4	48.13251	123.49675											0		
7/16/08	Elwha Bluffs	8:00	5	48.13233	123.19260											0		
7/16/08	Elwha Bluffs	8:10	6	48.13248	123.49034											0		
7/16/08	Elwha Bluffs	8:30	7	48.13318	123.47980											0		
7/17/08	Dungeness Bluffs	8:40	1	48.12173	123.22842											0		
7/17/08	Dungeness Bluffs	8:50	2	48.12277	123.22652											0		

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<u>Date</u>	<u>Site</u>	<u>Time</u>	<u>Sample number</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Species</u>	<u>1 cell to morula</u>	<u>blastula</u>	<u>gastrula</u>	<u>1/2-1 coil</u>	<u>1 coil</u>	<u>1 1/2 coil</u>	<u>>1 1/2 coil</u>	<u>late eyed</u>	<u>dead</u>	<u># eggs</u>	<u>% dead</u>	<u># broods</u>
7/17/08	Dungeness Bluffs	9:16	3	48.12499	123.22152											0		
7/17/08	Dungeness Bluffs	9:38	4	48.12666	123.21754											0		
7/17/08	Dungeness Bluffs	9:55	5	48.12890	123.21363	smelt									1	1	100%	1
7/17/08	Dungeness Bluffs	10:09	6	48.13138	123.20991											0		
7/17/08	Dungeness Bluffs	10:25	7	48.13365	123.20644											0		
7/17/08	Dungeness Bluffs	10:40	8	48.13570	123.20331											0		
7/17/08	Dungeness Bluffs	10:57	9	48.13769	123.20019											0		
7/17/08	Dungeness Spit	9:20	1	48.16182	123.16870											0		
7/17/08	Dungeness Spit	9:40	2	48.15976	123.17165											0		
7/17/08	Dungeness Spit	9:55	3	48.15761	123.17449											0		
7/17/08	Dungeness Spit	10:10	4	48.15549	123.17736											0		
7/17/08	Dungeness Spit	10:22	5	48.15340	123.18003											0		
7/17/08	Dungeness Spit	10:38	6	48.15111	123.18245											0		
8/14/08	Dungeness Bluffs	7:57	1	48.11880	123.23634	smelt			1		1					2	0%	2
8/14/08	Dungeness Bluffs	8:17	2	48.12016	123.23253											0		
8/14/08	Dungeness Bluffs	8:31	3	48.12182	123.22862	smelt	3									3	0%	1
8/14/08	Dungeness Bluffs	8:47	4	48.12339	123.22522	smelt	1								1	2	50%	1
8/14/08	Dungeness Bluffs	9:01	5	48.12482	123.22204											0		
8/14/08	Dungeness Bluffs	9:18	6	48.12624	123.21859	smelt									1	1	100%	1
8/14/08	Dungeness Bluffs	9:36	7	48.12871	123.21402											0		
8/14/08	Dungeness Bluffs	9:50	8	48.13123	123.21004											0		
8/14/08	Dungeness Bluffs	10:05	9	48.13350	123.20660											0		
8/14/08	Dungeness Bluffs	10:19	10	48.13514	123.20401											0		
8/14/08	Dungeness Spit	8:10	50	48.13317	123.43194											0		
8/14/08	Dungeness Spit	8:25	51	48.16873	123.15936											0		
8/14/08	Dungeness Spit	8:40	52	48.16645	123.16288											0		
8/14/08	Dungeness Spit	8:50	53	48.16405	123.16616											0		
8/14/08	Dungeness Spit	9:05	54	48.16147	123.16936											0		
8/14/08	Dungeness Spit	9:20	55	48.15962	123.17186											0		
8/14/08	Dungeness Spit	9:35	56	48.15725	123.17500											0		
8/14/08	Dungeness Spit	9:45	57	48.15480	123.17828											0		
8/14/08	Dungeness Spit	9:58	58	48.15222	123.18132											0		
8/15/08	Ediz Hook	9:55	1	48.13957	123.45463											0		
8/15/08	Ediz Hook	10:13	2	48.14051	123.44919											0		
8/15/08	Ediz Hook	10:21	3	48.14118	123.44418											0		
8/15/08	Ediz Hook	10:48	4	48.14185	123.43905											0		
8/15/08	Ediz Hook	9:50	6	48.14205	123.43729											0		
8/15/08	Ediz Hook	10:01	7	48.14216	123.43478											0		
8/15/08	Ediz Hook	10:20	8	48.14226	123.43017											0		
8/15/08	Ediz Hook	10:30	9	48.14215	123.42682											0		
8/15/08	Elwha Bluffs	7:15	1	48.13197	123.50705											0		
8/15/08	Elwha Bluffs	7:35	2	48.13180	123.50254											0		
8/15/08	Elwha Bluffs	7:45	3	48.13213	123.49791											0		
8/15/08	Elwha Bluffs	8:05	4	48.13242	123.49424											0		
8/15/08	Elwha Bluffs	8:20	5	48.13249	123.49095											0		
8/15/08	Elwha Bluffs	8:40	6	48.13255	123.48682											0		

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<u>Date</u>	<u>Site</u>	<u>Time</u>	<u>Sample number</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Species</u>	<u>1 cell to morula</u>	<u>blastula</u>	<u>gastrula</u>	<u>1/2-1 coil</u>	<u>1 coil</u>	<u>1 1/2 coil</u>	<u>>1 1/2 coil</u>	<u>late eyed</u>	<u>dead</u>	<u># eggs</u>	<u>% dead</u>	<u># broods</u>
8/15/08	Elwha Bluffs	8:55	7	48.13268	123.48320											0		
8/16/08	Crescent Beach	9:00	1	48.15932	123.71422											0		
8/16/08	Crescent Beach	9:15	2	48.16045	123.71270											0		
8/16/08	Crescent Beach	9:25	3	48.16155	123.70881											0		
8/16/08	Crescent Beach	9:40	4	48.16301	123.70551											0		
8/16/08	Crescent Beach	9:55	5	48.16470	123.70475											0		
8/16/08	Crescent Beach	10:07	6	48.16395	123.70471											0		
8/16/08	Freshwater Bay	6:49	1	48.14216	123.42675											0		
8/16/08	Freshwater Bay	7:00	2	48.13810	123.57978											0		
8/16/08	Freshwater Bay	7:12	3	48.13999	123.57591											0		
8/16/08	Freshwater Bay	7:30	4	48.14514	123.56942											0		
8/16/08	Freshwater Bay	7:44	5	48.14328	123.57083											0		
8/16/08	Freshwater Bay	7:55	6	48.14213	123.57239											0		
9/11/08	Crescent Beach	9:50	1	48.15972	123.71329											0		
9/11/08	Crescent Beach	10:05	2	48.16098	123.71019											0		
9/11/08	Crescent Beach	10:18	3	48.16225	123.70742											0		
9/11/08	Crescent Beach	10:32	4	48.16490	123.70477											0		
9/11/08	Crescent Beach	10:46	5	48.70479	123.70481											0		
9/11/08	Freshwater Bay	7:26	1	48.13659	123.58335											0		
9/11/08	Freshwater Bay	7:42	2	48.13812	123.57966											0		
9/11/08	Freshwater Bay	7:56	3	48.14008	123.57595											0		
9/11/08	Freshwater Bay	8:11	4	48.14168	123.57317	smelt									1	1	100%	1
9/11/08	Freshwater Bay	8:23	5	48.14307	123.57107											0		
9/11/08	Freshwater Bay	8:33	6	48.14436	123.56980											0		
9/12/08	Elwha Bluffs	7:10	1	48.13182	123.50722											0		
9/12/08	Elwha Bluffs	7:25	2	48.13198	123.50256											0		
9/12/08	Elwha Bluffs	7:40	3	48.13220	123.49836											0		
9/12/08	Elwha Bluffs	7:55	4	48.13236	123.49434											0		
9/12/08	Elwha Bluffs	8:10	5	48.13254	123.48941											0		
9/12/08	Elwha Bluffs	8:25	6	48.13308	123.48502											0		
9/13/08	Dungeness Bluffs	7:40	1	48.11972	123.23344											0		
9/13/08	Dungeness Bluffs	7:57	2	48.12151	123.22906											0		
9/13/08	Dungeness Bluffs	8:07	3	48.12344	123.22492											0		
9/13/08	Dungeness Bluffs	8:19	4	48.12530	123.22095											0		
9/13/08	Dungeness Bluffs	8:34	5	48.12685	123.21711											0		
9/13/08	Dungeness Bluffs	8:48	6	48.12917	123.21304											0		
9/13/08	Dungeness Bluffs	9:04	7	48.13187	123.20894											0		
9/13/08	Dungeness Bluffs	9:18	8	48.13497	123.20422											0		
9/13/08	Dungeness Bluffs	9:31	9	48.13937	123.19730											0		
9/13/08	Dungeness Spit	7:40	1	48.16782	123.16046											0		
9/13/08	Dungeness Spit	7:55	2	48.16539	123.16432											0		
9/13/08	Dungeness Spit	8:10	3	48.16267	123.16787											0		
9/13/08	Dungeness Spit	8:30	4	48.16024	123.17096											0		
9/13/08	Dungeness Spit	8:43	5	48.15776	123.17427											0		
9/13/08	Dungeness Spit	9:00	6	48.15519	123.17769											0		
9/13/08	Dungeness Spit	9:11	7	48.15263	123.18072											0		

Appendix H. Forage fish sample location and egg count for 2007-2008 Nearshore Strait of Juan de Fuca assessment

<u>Date</u>	<u>Site</u>	<u>Time</u>	<u>Sample number</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Species</u>	<u>1 cell to morula</u>	<u>blastula</u>	<u>gastrula</u>	<u>1/2-1 coil</u>	<u>1 coil</u>	<u>1 1/2 coil</u>	<u>>1 1/2 coil</u>	<u>late eyed</u>	<u>dead</u>	<u># eggs</u>	<u>% dead</u>	<u># broods</u>
9/15/08	Ediz Hook	9:00	1	48.13955	123.45477											0		
9/15/08	Ediz Hook	9:17	2	48.14009	123.45182											0		
9/15/08	Ediz Hook	9:27	3	48.14058	123.44867											0		
9/15/08	Ediz Hook	9:38	4	48.14100	123.44561											0		
9/15/08	Ediz Hook	9:05	75	48.14217	123.43443											0		
9/15/08	Ediz Hook	9:10	76	48.14233	123.43288											0		
9/15/08	Ediz Hook	9:34	77	48.14227	123.42881											0		
11/5/07	Crescent Beach	16:00	1	48.10635	123.71197	sand lance										0		
11/5/07	Crescent Beach	16:10	2	48.16143	123.70967											0		
11/5/07	Crescent Beach	16:30	3	48.16293	123.70643											0		
11/5/07	Crescent Beach	16:45	4	48.16433	123.70474											0		
11/20/07	Ediz Hook	15:49	1	48.13804	123.46049											0		
11/20/07	Ediz Hook	16:04	2	48.13801	123.45678											0		
11/20/07	Ediz Hook	16:14	3	48.14005	123.45185											0		
11/20/07	Ediz Hook	16:30	4	48.14207	123.42791											0		
11/20/07	Elwha Bluffs	13:30	1	48.16219	123.70705											0		
11/20/07	Elwha Bluffs	14:00	2	48.13198	123.50306											0		
11/20/07	Elwha Bluffs	14:20	3	48.132	123.49923											0		
11/20/07	Elwha Bluffs	15:00	4	48.13244	123.48788											0		
11/21/07	Dungeness Spit	15:36	1	48.16748	123.16101											0		
11/21/07	Dungeness Spit	15:45	2	48.16159	123.10549											0		
11/21/07	Dungeness Spit	16:00	3	48.15695	123.17509											0		
11/21/07	Dungeness Spit	16:21	4	48.15136	123.18211											0		
11/21/07	Dungeness Bluffs/ McDo	14:13	1	48.1258	123.21981											0		
11/21/07	Dungeness Bluffs/ McDo	14:29	2	48.12776	123.21529											0		
11/21/07	Dungeness Bluffs/ McDo	14:45	3	48.13162	123.20977											0		
11/21/07	Dungeness Bluffs/ McDo	14:56	4	48.13371	123.20610											0		
11/21/07	Dungeness Bluffs/ McDo	15:13	5	48.13933	123.19733											0		
11/22/07	Fresh Water Bay	14:10	1	48.13671	123.58242											0		
11/22/07	Fresh Water Bay	14:30	2	48.13759	123.59049											0		
11/22/07	Fresh Water Bay	14:40	3	48.13838	123.57890											0		
11/22/07	Fresh Water Bay	15:00	4	48.14245	123.57179											0		
11/22/07	Fresh Water Bay	15:10	5	48.14143	123.57337											0		
11/24/07	DB- Siebert Ck/ McDo	15:00	1	48.12505	123.22120											0		
11/24/07	DB- Siebert Ck/ McDo	15:23	2	48.12262	123.22651											0		
11/24/07	DB- Siebert Ck/ McDo	15:43	3	48.11972	123.23336											0		
11/24/07	DB- Siebert Ck/ McDo	16:02	4	48.11756	123.23959											0		
12/17/07	Crescent Beach	13:40	1	48.16504	123.70442											0		
12/17/07	Crescent Beach	14:20	2	48.15884	123.71478											0		
12/17/07	Crescent Beach	14:40	3	48.15996	123.71253											0		
12/17/07	Crescent Beach	14:55	4	48.1609	123.71015											0		
12/17/07	Crescent Beach	15:00	5	48.16175	123.70841											0		
12/18/07	Elwha Bluffs	13:10	1	48.13178	123.50685											0		
12/18/07	Elwha Bluffs	13:40	2	48.13193	123.50041											0		
12/18/07	Elwha Bluffs	13:55	3	48.13228	123.49432											0		
12/18/07	Elwha Bluffs	14:10	4	48.1324	123.48819											0		

Appendix H. Forage fish sample location and egg count for 2007-2008 Nearshore Strait of Juan de Fuca assessment

<u>Date</u>	<u>Site</u>	<u>Time</u>	<u>Sample number</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Species</u>	<u>1 cell to morula</u>	<u>blastula</u>	<u>gastrula</u>	<u>1/2-1 coil</u>	<u>1 coil</u>	<u>1 1/2 coil</u>	<u>>1 1/2 coil</u>	<u>late eyed</u>	<u>dead</u>	<u># eggs</u>	<u>% dead</u>	<u># broods</u>
12/18/07	Elwha Bluffs	14:30	5	48.13269	123.48242											0		
12/18/07	Ediz Hook	15:35	1	48.14197	123.43775											0		
12/18/07	Ediz Hook	15:40	2	48.14207	123.43461											0		
12/18/07	Ediz Hook	15:55	3	48.14209	123.42795											0		
12/18/07	Ediz Hook	16:14	4	48.13786	123.46100											0		
12/19/07	Dung Spit	13:51	1	48.16275	123.16748											0		
12/19/07	Dung Spit	14:02	2	48.15932	123.17187											0		
12/19/07	Dung Spit	14:09	3	48.15683	123.17524											0		
12/19/07	Dung Spit	14:19	4	48.18259	123.18066											0		
12/19/07	Dung Bluffs	12:50	1	48.12605	123.21867											0		
12/19/07	Dung Bluffs	13:03	2	48.12998	123.21149											0		
12/19/07	Dung Bluffs	13:15	3	48.1337	123.20596											0		
12/19/07	Dung Bluffs	13:26	4	48.13765	123.19982											0		
12/19/07	Dung Bluffs	13:35	5	48.14154	123.19376											0		
12/20/07	Fresh Water Bay	13:15	1	48.13645	123.58326											0		
12/20/07	Fresh Water Bay	13:30	2	48.13716	123.58154											0		
12/20/07	Fresh Water Bay	13:39	3	48.138	123.57962											0		
12/20/07	Fresh Water Bay	13:47	4	48.13877	123.57806											0		
1/15/08	Crescent Bay	11:01	1	48.16224	123.70638											0		
1/15/08	Crescent Bay	11:15	2	48.1597	123.71315											0		
1/15/08	Crescent Bay	11:28	3	48.16042	123.71129											0		
1/15/08	Crescent Bay	11:40	4	48.16217	123.70769											0		
1/15/08	Crescent Bay	11:56	5	48.16461	123.70476											0		
1/16/08	Fresh Water Bay	11:01	1	48.13699	123.58194											0		
1/16/08	Fresh Water Bay	11:11	2	48.13824	123.57909											0		
1/16/08	Fresh Water Bay	11:21	3	48.13949	123.57679											0		
1/16/08	Fresh Water Bay	11:31	4	48.1409	123.57416											0		
1/16/08	Fresh Water Bay	11:42	5	48.14172	123.57280											0		
1/17/08	Ediz Hook	14:54	1	48.1396	123.45467											0		
1/17/08	Ediz Hook	15:15	2	48.14068	123.44827											0		
1/17/08	Ediz Hook	15:30	3	48.14152	123.44215											0		
1/17/08	Ediz Hook	15:48	4	48.142	123.43589											0		
1/17/08	Ediz Hook	16:02	5	48.14223	123.43628											0		
1/17/08	Elwha Bluffs	12:53	1	48.1314	123.50555											0		
1/17/08	Elwha Bluffs	13:07	2	48.13189	123.50159											0		
1/17/08	Elwha Bluffs	13:26	3	48.13218	123.49651											0		
1/17/08	Elwha Bluffs	13:44	4	48.1324	123.49070											0		
1/17/08	Elwha Bluffs	14:04	5	48.13243	123.48594											0		
1/18/08	Dungeness Bluffs	13:43	1	48.12565	123.22010											0		
1/18/08	Dungeness Bluffs	13:59	2	48.12777	123.21529											0		
1/18/08	Dungeness Bluffs	14:11	3	48.13095	123.21032											0		
1/18/08	Dungeness Bluffs	14:23	4	48.13444	123.20493											0		
1/18/08	Dungeness Bluffs	14:33	5	48.13818	123.19908											0		
1/18/08	Dungeness Spit	14:56	1	48.16255	123.16792											0		
1/18/08	Dungeness Spit	15:06	2	48.16	123.17119											0		
1/18/08	Dungeness Spit	15:17	3	48.15448	123.17848											0		

Appendix H. Forage fish sample location and egg count for 2007-2008 Nearshore Strait of Juan de Fuca assessment

<u>Date</u>	<u>Site</u>	<u>Time</u>	<u>Sample number</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Species</u>	<u>1 cell to morula</u>	<u>blastula</u>	<u>gastrula</u>	<u>1/2-1 coil</u>	<u>1 coil</u>	<u>11/2 coil</u>	<u>>11/2 coil</u>	<u>late eyed</u>	<u>dead</u>	<u># eggs</u>	<u>% dead</u>	<u># broods</u>
1/18/08	Dungeness Spit	15:28	4	48.15248	123.18091											0		

comments

sample lost

comments

comments

comments

comments

comments

comments

comments