

Supplementary Table 1.			
Cascadia Paleoseismicity Cruise			
R/V Melville 1999			
Chris Goldfinger, Chief Scientist			
Core Locations and Depths			
			Water
Core ID	Latitude	Longitude	Depth (m)
M9907-01PC	45 58.7311	125 16.9806	1763
M9907-02PC	45 57.9970	125 17.0887	1869
M9907-03PC	45 58.4975	125 16.7471	1818
M9907-04BC	45 58.5030	125 16.7510	1813
M9907-05PC	47 37.6461	126 20.5062	2376
M9907-06PC	48 06.9613	126 36.2189	2528
M9907-07PC	48 06.2781	126 35.5844	2505
M9907-08PC	48 14.1040	126 42.7710	2552
M9907-09PC	48 14.3960	126 43.3260	2546
M9907-10PC	47 29.5895	125 54.1828	1471
M9907-11PC	46 46.3720	126 04.8670	2658
M9907-12PC	46 46.3783	126 04.8664	2665
M9907-13PC	46 25.9809	125 23.9758	2255
M9907-14PC	46 15.1301	125 56.9189	2680
M9907-15PC	46 15.1336	125 56.9103	2677
M9907-16PC	45 44.6588	125 39.8950	2323
M9907-17PC	45 30.6990	125 44.9740	2495
M9907-18PC	45 27.5088	125 44.7039	2547
M9907-19PC	45 26.1037	125 52.6140	2567
M9907-20PC	45 22.7817	125 43.5268	2622
M9907-21PC	45 22.9150	126 00.9100	2587
M9907-22PC	44 09.6000	127 11.4970	3208
M9907-23PC	44 09.6023	127 11.4970	3211
M9907-24BC	44 09.6023	127 11.4970	3211
M9907-25PC	44 14.7330	127 11.4135	3205
M9907-26PC	44 06.7783	125 50.1230	3043
M9907-27PC	44 00.8664	125 33.0034	3054
M9907-28PC	44 05.4180	125 47.7750	3029
M9907-29PC	43 58.2280	125 23.5679	2858
M9907-30PC	42 25.1685	125 13.1174	3112
M9907-31PC	42 24.5932	125 11.9863	3107
M9907-32BC	42 24.5916	125 11.9888	3106
M9907-33PC	41 44.7292	125 11.6328	3093
M9907-34PC	41 29.5977	125 12.3887	3118
M9907-35PC	41 05.2309	125 01.1744	3045
M9907-36PC	41 05.2304	125 01.1762	3050
M9907-37PC	41 05.0843	125 00.9514	3049
M9907-38BC	41 05.2302	125 01.1756	3054
M9907-39PC	40 37.8544	124 50.8182	2656
M9907-40PC	40 37.3101	124 54.1751	2675
M9907-41PC	40 44.5927	125 23.1285	2940
M9907-42PC	40 45.0467	125 24.2605	2957
M9907-43BC	40 45.0460	125 24.2560	2934
M9907-44PC	40 31.0422	126 58.1289	3221
M9907-45PC	40.31.0404	126 58.1233	3224
M9907-46BC	40 24.9407	125 12.4901	2578
M9907-47PC	40 25.3191	125 15.8993	2620
M9907-48PC	39 05.7553	124 33.6661	3373
M9907-49PC	39 09.2943	124 36.8141	3332
M9907-50BC	39 09.2912	124 36.8135	3330
M9907-51PC	40 25.3167	125 15.8993	2621
M9907-52BC	40 25.3170	125 15.9000	2617
SAF Paleoseismicity Cruise			
R/V Roger Revelle 2002			
Chris Goldfinger, Chief Scientist			
Core Locations and Depths			
			Water
Core ID	Latitude	Longitude	Depth (m)

RR0207-02PC	44 38.6806	125 15.0006	2311
RR0207-56PC	44 38.66	125 15.81	2250
RR0207-01KC	44 40.0239	125 17.0616	2110
RR0207-55KC	42 25.169	125 13.12	3090

Supplementary Table 2.

Cascadia Paleoseismicity Cruise
R/V Thompson 2009
Chris Goldfinger, Chief Scientist
Core Locations and Depths

Core Site	Date	Time (on bottom)	Water Depth	Lat deg	Lat min		Dec Lat	Lon deg	Lon min		Dec Lon
TN0909-01JC	9/30/2009	1:11:07	3085	42	26.28	0.438	42.4380	125	16.63	0.2771667	-125.2772
TN0909-01TC	9/30/2009	1:11:07	3085	42	26.28	0.438	42.4380	125	16.63	0.2771667	-125.2772
TN0909-02JC	10/1/2009	17:18	3088	42	3.206	0.053433	42.0534	125	17.47	0.2911667	-125.2912
TN0909-02TC	10/1/2009	17:18	3088	42	3.206	0.053433	42.0534	125	17.47	0.2911667	-125.2912
TN0909-03KC	10/1/2009	23:23	2323	42	3.206	0.053433	42.0534	125	17.47	0.2911667	-125.2912
TN0909-04JC	10/2/2009	9:14	1079	41	46.316	0.771933	41.7719	124	57.178	0.9529667	-124.9530
TN0909-04TC	10/2/2009	9:14	1079	41	46.316	0.771933	41.7719	124	57.178	0.9529667	-124.9530
TN0909-05JC	10/2/2009	20:18	3094	41	42.0824	0.701373	41.7014	125	14.1909	0.236515	-125.2365
TN0909-05TC	10/2/2009	20:18	3094	41	42.0824	0.701373	41.7014	125	14.1909	0.236515	-125.2365
TN0909-06JC	10/3/2009	9:09	3080	41	12.93	0.2155	41.2155	125	5.812	0.0968667	-125.0969
TN0909-06TC	10/3/2009	9:09	3080	41	12.93	0.2155	41.2155	125	5.812	0.0968667	-125.0969
TN0909-07JC	10/3/2009	0:37	3033	41	0.2324	0.003873	41.0039	125	2.772	0.0462	-125.0462
TN0909-07TC	10/3/2009	0:37	3033	41	0.2324	0.003873	41.0039	125	2.772	0.0462	-125.0462
TN0909-08KC	10/4/2009	5:55	3033	41	0.2329	0.003882	41.0039	125	2.77	0.0461667	-125.0462
TN0909-09JC	10/4/2009	19:45	2533	40	42.4065	0.706775	40.7068	124	55.1823	0.919705	-124.9197
TN0909-09TC	10/4/2009	19:45	2533	40	42.4065	0.706775	40.7068	124	55.1823	0.919705	-124.9197
TN0909-10JC	10/5/2009	4:40	2632	40	35.8241	0.597068	40.5971	124	54.329	0.9054833	-124.9055
TN0909-10TC	10/5/2009	4:40	2632	40	35.8241	0.597068	40.5971	124	54.329	0.9054833	-124.9055
TN0909-11KC	10/5/2009	11:00	2531	40	42.413	0.706883	40.7069	124	55.1722	0.9195367	-124.9195
TN0909-12JC	10/5/2009	0:15	2381	40	26.0915	0.434858	40.4349	125	2.1909	0.036515	-125.0365
TN0909-12TC	10/5/2009	0:15	2381	40	26.0915	0.434858	40.4349	125	2.1909	0.036515	-125.0365
TN0909-13KC	10/6/2009	22:55	3328	39	9.3051	0.155085	39.1551	124	36.8261	0.6137683	-124.6138
TN0909-14JC	10/7/2009	4:02	3325	39	9.306	0.1551	39.1551	124	36.8273	0.6137883	-124.6138
TN0909-14TC	10/7/2009	4:02	3325	39	9.306	0.1551	39.1551	124	36.8273	0.6137883	-124.6138
TN0909-15JC	10/7/2009	12:54	3225	39	12.3	0.205	39.2050	124	30.278	0.5046333	-124.5046
TN0909-15TC	10/7/2009	12:54	3225	39	12.3	0.205	39.2050	124	30.278	0.5046333	-124.5046
TN0909-16JC	10/7/2009	23:15	3199	39	4.6464	0.07744	39.0774	124	23.2775	0.3879583	-124.3880
TN0909-16TC	10/7/2009	23:15	3199	39	4.6464	0.07744	39.0774	124	23.2775	0.3879583	-124.3880
TN0909-17JC	10/8/2009	8:48	3050	38	54.2074	0.903457	38.9035	124	18.2011	0.3033517	-124.3034
TN0909-17TC	10/8/2009	8:48	3050	38	54.2074	0.903457	38.9035	124	18.2011	0.3033517	-124.3034
TN0909-18JC	10/8/2009	14:39:10	3212	38	57.115	0.951917	38.9519	124	20.597	0.3432833	-124.3433
TN0909-18TC	10/8/2009	14:39:10	3212	38	57.115	0.951917	38.9519	124	20.597	0.3432833	-124.3433
TN0909-19KC	10/8/2009	23:35	3204	39	4.6457	0.077428	39.0774	124	23.2759	0.3879317	-124.3879
TN0909-20BC	10/9/2009	3:55:00	3202.7	39	4.6462	0.077437	39.0774	124	23.2776	0.38796	-124.3880
TN0909-21BC	10/9/2009	22:28:45	3024	39	49.2476	0.820793	39.8208	125	13.5273	0.225455	-125.2255
TN0909-22JC	10/10/2009	4:57:13	3024	39	49.2737	0.821228	39.8212	125	13.6137	0.226895	-125.2269
TN0909-22TC	10/10/2009	4:57:13	3024	39	49.2737	0.821228	39.8212	125	13.6137	0.226895	-125.2269
TN0909-23KC	10/10/2009	10:02	3023	39	49.255	0.820917	39.8209	125	13.631	0.2271833	-125.2272
TN0909-24GC	10/10/2009	16:13	1634	39	46.6693	0.777822	39.7778	124	59.4495	0.990825	-124.9908
TN0909-25KC	10/11/2009	12:49	3473	39	42.447	0.70745	39.7075	125	25.248	0.4208	-125.4208
TN0909-26KC	10/12/2009	0:30	2654	40	35.0888	0.584813	40.5848	124	58.2946	0.9715767	-124.9716
TN0909-27JC	10/12/2009	14:25	979	41	40.962	0.6827	41.6827	124	55.973	0.9328833	-124.9329
TN0909-27TC	10/12/2009	14:25	979	41	40.962	0.6827	41.6827	124	55.973	0.9328833	-124.9329
TN0909-28JC	10/13/2009	2:25:48	1955	43	2.0663	0.034438	43.0344	125	6.6519	0.110865	-125.1109
TN0909-28TC	10/13/2009	2:25:48	1955	43	2.0663	0.034438	43.0344	125	6.6519	0.110865	-125.1109

Yellow shading = cores used or mentioned in this study.