

April 13, 2006

Consortium for Risk Evaluation with Stakeholder Participation

www.cresp.org

GPS LOCATIONS OF SAMPLES COLLECTED DURING THE CRESP EXPEDITION 2004

Samples collected in the summer of 2004 by the biological team on the Ocean Explorer during the CRESP expedition to Amchitka and Kiska were associated with a GPS location, recorded at the time of collection. The tables that follow provide the information necessary to associate field identification numbers with the laboratory code and with the GPS location. The samples were identified by a field number that included a species code, location code, collector code, and number. The field identification code is called Sample ID in the following tables. To ensure that the analytical laboratories (Vanderbilt University, Idaho National Laboratory) did not know either the species or the location of the sample, a new laboratory code was given to each sample prepared in the Rutgers laboratory (called Lab code on the tables). The analytical laboratory was given the matrix as kelp, soft tissue, or bone.

There are three tables provided below. Table 1 is for the 1000 gram samples that we

The exact GPS coordinates (5 decimal places) are provided for all the samples in Ta

Therefore the GPS locations for these samples or for mobile species collected are g:

**GPS LOCATIONS OF SAMPLES COLLECTED DURING THE CRESP
EXPEDITION 2004**

Table 1: 1000g Samples

SAMPLE ID	LAB CODE	Matrix	GPS_N	GPS_E
ALAR-CA-SJ-C524	K-BB-398	KELP	51.4715	179.1890
ALAR-KI-SJ-C522	K-BB-399	KELP	52.0375	177.5010
ALAR-KI-SJ-C523	K-BB-406	KELP	52.0249	177.4957
ALAR-LS-SJ-C511	K-BB-400	KELP	51.4237	179.2326
BAEA-AP-AL-1	S-Q-433	SOFT	51.3740	179.2351
BAEA-LS-JB-2	S-Q-432	SOFT	51.4500	179.1889
HALI-KI-AL-C501	S-H-404	SOFT	51.9730	177.5890
HALI-LS-AL-C502	S-H-405	SOFT	51.4290	179.2430
HALI-ML-AL-C503	S-H-413	SOFT	51.4000	179.1300
HALI-RI3-C550	S-H-412	SOFT	51.9591	178.2681
NANA-KI-JB-C507	K-AA-414	KELP	51.9754	177.5691
OCTO-CA-SJ-2	S-W-427	SOFT	51.4726	179.1511
OCTO-LS-SJ-3	S-W-425	SOFT	51.4627	179.1954
OCTO-CA-SJ-4	S-W-431	SOFT	51.4732	179.1926
OCTO-CA-SJ-5	S-W-422	SOFT	51.4732	179.1926
PCOD-CA-AL-C510	S-K-393	SOFT	51.4930	179.1380
PCOD-CH-AL-C514	S-K-402	SOFT	51.4130	179.3050
PCOD-CH-AL-C515	S-K-403	SOFT	51.4130	179.3050
PCOD-KI3-JW-C531	S-K-395	SOFT	51.8494	177.6891
PCOD-KI-AL-C561	S-K-435	SOFT	52.0319	177.4843
PCOD-KI-JB-C505	S-K-421	SOFT	52.0319	177.4843
PCOD-KI-JB-C506	S-K-394	SOFT	52.0319	177.4843
PCOD-LS-AL-C511	S-K-397	SOFT	51.4130	179.3050
PCOD-LS-AL-C560	S-K-434	SOFT	51.4700	179.2100
PCOD-LS-JB-C512	S-K-391	SOFT	51.4130	179.3050
PCOD-LS-JB-C513	S-K-396	SOFT	51.4130	179.3050
PCOD-ML-AL-C502	S-K-392	SOFT	51.4007	179.1300
PCOD-ML-AL-C504	S-K-401	SOFT	51.4007	179.1300
PCOD-TA2-JW-C530	S-K-411	SOFT	51.2946	179.3899
ROCK-CA-AL-C565	S-G-439	SOFT	51.4800	179.1400
ROCK-KI-SJ-C568	S-G-442	SOFT	52.0249	177.4957
ROCK-LS-SJ-C562	S-G-436	SOFT	51.44	179.23
ROCK-LS-SJ-C563	S-G-437	SOFT	51.44	179.22
ROCK-ML-SJ-C564	S-G-438	SOFT	51.41	179.15
SEA LION LIVER	S-GG-429	SOFT	51.4027	179.3239
SEA LION SOFTCLE	S-GG-423	SOFT	51.4027	179.3239
ULVA-KI-MG-C569	K-DD-443	KELP	52.027	177.506
ULVA-LS-MG-C570	K-DD-444	KELP	51.447	179.191
ULVA-LS-MG-C570	K-DD-445	KELP	51.447	179.191
URCH-LS-SJ-C566	S-U-440	SOFT	a	
WALL-TA2-JW-C552	S-C-446	SOFT	51.2946	179.3899
WALL-KI5-JW-C551	S-C-447	SOFT	51.7458	177.3591
URCH-KI-SJ-C571	S-U-448	SOFT	e	
JING-LS-SJ-C572	S-R-449	SOFT	a	
JING-KI-SJ-C573	S-R-450	SOFT	e	
GWGU-AM-JB-C574	S-VM-451	SOFT	d	
GWGU-KI-JB-C575	S-VM-452	SOFT	51.9510	177.6250
URCH-ML-JB-C576	S-U-453	SOFT	c	
JING-LS/CA-SJ-C577	S-R-454	SOFT	a,b	
BROCK-CA-AL-C578	S-B-455	SOFT	51.4868	179.1565
BROCK-KI-AL-C579	S-B-456	SOFT	51.9725	177.5515
BROCK-ML-AL-C580	S-B-457	SOFT	51.4007	179.1300

Table 1: 1000g Samples

SAMPLE ID	LAB CODE	Matrix	GPS_N	GPS_E
LIMP-SB-AL-C581	S-T-458	SOFT	51.4470	179.1910
LIMP-ML-AL-C582	S-T-459	SOFT	c	
SOFTS-KI-SJ-C583	S-S-460	SOFT	e	
SOFTS-CH/SB-JB-C584	S-S-461	SOFT	a	
COEI-LS-AL-C585	S-N-462	SOFT	51.4300	179.1810
COEI-KI-DV-C586	S-N-463	SOFT	51.9500	177.5900
TUPU-KI-AL-C594	S-O-464	SOFT	51.9750	177.5950
GWGU-AM/CA-AL-C595	S-M-465	SOFT	51.4152	179.1889
GWGU-KI-DV-C596	S-M-466	SOFT	52.0300	177.4900
TUPU-LS/ML-AL-C597	S-O-467	SOFT	d	
CHIT-LS/CA-SJ-C598	S-Y-468	SOFT	a,b	
COEI-CH/CA-AL-C602	S-VN-469	SOFT	a,b	
COEI-KI-JB-C603	S-VN-470	SOFT	e	
FUCU-ML-JB-C604	K-CC-471	KELP	51.4151	179.1507
FUCU-KI-MG-C605	K-CC-472	KELP	52.0267	177.5045
DOLL-AP-SB-C606	S-I-473	SOFT	51.3907	179.2763
DOLL-CA-AL-C607	S-I-474	SOFT	51.4677	179.1093
PERC-TA1-JW-C609	S-J-475	SOFT	51.2083	179.3626
PERC-KI3-JW-C552	S-J-476	SOFT	51.8494	177.6891
PERC-TA7-JW-C610	S-J-477	SOFT	51.4869	178.6351
NANA-LS-JB-C-614	K-AA-478	KELP	51.4476	179.1911
YILO-LS-AL-C-611	S-L-479	SOFT	51.46	179.22
YILO-KI-JB-C612	S-L-480	SOFT	51.98	177.55
YILO-CA-AL-C613	S-L-481	SOFT	51.49	179.15
ATKA-TA1-JW-C632	S-A-482	SOFT	51.2083	179.3626
ATKA-RI3-JW-C633	S-A-483	SOFT	51.9591	178.2681
ATKA-KI2-JW-C634	S-A-484	SOFT	51.8215	177.6290
NSOL-TA3-JW-C638	S-F-487	SOFT	51.2552	179.2768
NSOL-RI3-JW-C639	S-F-488	SOFT	51.9591	178.2681

- a. Long Shot
- b. Cannikin
- c. Milrow
- d. Amchitka
- e. Kiska

GPS LOCATIONS OF SAMPLES COLLECTED DURING THE CRESP EXPEDITION 2004

Table 2: Vanderbilt 300 Samples

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SAMPLE ID	LAB CODE	Matrix	GPS_N	GPS_E
AM2FS10046A-12	S-K-366	SOFT	QA Sample	
AM2FS10046A-13	S-K-367	SOFT	QA Sample	
AM2FS1004GA-6	S-K-408	SOFT	QA Sample	
AM2FS1004GA-9	S-K-409	SOFT	QA Sample	
BROCK-CA-AL-C507	S-B-338	SOFT	51.4868	179.1565
BROCK-CA-SJ-C509	S-B-342	SOFT	51.4700	179.1835
BROCK-CH-AL-C508	S-B-340	SOFT	51.4074	179.2917
BROCK-CH-AL-C510	S-B-344	SOFT	51.4130	179.3010
BROCK-CH-JB-C511	S-B-343	SOFT	51.4130	179.3010
BROCK-KI-AL-C504	S-B-339	SOFT	51.9725	177.5515
BROCK-KI-AL-C505	S-B-345	SOFT	51.9725	177.5515
BROCK-ML-SB-C502	S-B-341	SOFT	51.4007	179.1300
COEI-CH-AL-C502	S-N-385	SOFT	51.4090	179.3000
COEI-CH-AL-C502	S-N-407	SOFT	51.4090	179.3000
COEI-KI-AL-C501	S-N-380	SOFT	51.9490	177.6350
COEI-KI-AL-C504	S-N-410	SOFT	52.0400	177.5000
COEI-LS-AL-C503	S-VN-388	SOFT	51.4378	179.2142
COEI-LS-AL-C506	S-VN-389	SOFT	51.4378	179.2142
COEI-LS-AL-C507	S-VN-390	SOFT	51.4378	179.2142
DOLL-AP-AL-C502	S-I-351	SOFT	51.3907	179.2763
DOLL-AP-AL-C503	S-I-353	SOFT	51.3907	179.2763
DOLL-AP-JB-C505	S-I-356	SOFT	51.3907	179.2763
DOLL-AP-JB-C506	S-I-362	SOFT	51.3907	179.2763
DOLL-CA-AL-C504	S-I-355	SOFT	51.4680	179.1093
DOLL-CA-AL-C507	S-I-365	SOFT	51.4677	179.1093
DOLL-CA-AL-C508	S-I-359	SOFT	51.4677	179.1093
GWGU-CA-JB-C507	S-M-372	SOFT	51.4700	179.1040
GWGU-CH-AL-C2	S-M-371	SOFT	51.4152	179.1889
GWGU-KI-AL-C509	S-M-370	SOFT	52.0141	177.4996
GWGU-KI-AL-C511	S-M-381	SOFT	52.0141	177.4996
GWGU-KI-DV-C515	S-M-386	SOFT	51.9510	177.6250
GWGU-KI-JB-C512	S-M-376	SOFT	51.9510	177.6250
GWGU-LS-DV-C1	S-M-369	SOFT	51.4152	179.1889
GWGU-ML-AL-C503	S-M-373	SOFT	51.4155	179.1796
GWGU-LS-AL-C504	S-M-378	SOFT	51.4310	179.1840
GWGU-ML-DV-C506	S-M-374	SOFT	51.4080	179.1500
PCOD-CH-AL-C514	S-K-322	SOFT	51.4130	179.3050
PCOD-CH-AL-C515	S-K-336	SOFT	51.4130	179.3050
PCOD-KI-JB-C506	S-K-326	SOFT	52.0319	177.4843
PCOD-KI-JB-C507	S-K-334	SOFT	52.0319	177.4843
PCOD-KI-JB-C508	S-K-337	SOFT	52.0319	177.4843
PCOD-KI-JB-C509	S-K-328	SOFT	52.0319	177.4843
PCOD-LS-JB-C512	S-K-320	SOFT	51.4130	179.3050
PCOD-LS-JB-C513	S-K-324	SOFT	51.4130	179.3050
PCOD-ML-AL-C501	S-K-335	SOFT	51.4007	179.1300

Table 2 Vanderbilt 300 Samples

Page 2 of 2

SAMPLE ID	LAB CODE	Matrix	GPS_N	GPS_E
PCOD-ML-AL-C503	S-L-350	SOFT	51.4007	179.1300
PCOD-ML-AL-C504	S-K-325	SOFT	51.4007	179.1300
PCOD-ML-SB-C502	S-K-327	SOFT	51.4007	179.1300
PIGU-KI-AL-C504	S-P-383	SOFT	52.0300	177.4900
PIGU-KI-AL-C507	S-P-387	SOFT	51.9610	177.6150
PIGU-LS-AL-C2	S-P-375	SOFT	51.4267	179.2365
PIGU-LS-AL-C505	S-P-377	SOFT	51.4364	179.2236
DOLL-CA-AL-C551	S-I-368	SOFT	51.4677	179.1093
RILO-CA-AL-C512	S-E-360	SOFT	51.4940	179.1480
RILO-CA-AL-C513	S-E-361	SOFT	51.4940	179.1480
RILO-CA-SJ-C503	S-E-354	SOFT	51.4874	179.1152
RILO-CH-AL-C502	S-E-358	SOFT	51.4074	179.2917
RILO-CH-SB-C501	S-E-352	SOFT	51.4074	179.2917
RILO-KI-SJ-C504	S-E-364	SOFT	52.0249	177.4957
RILO-LS-AL-C521	S-E-357	SOFT	51.4570	179.2250
RILO-LS-SJ-C519	S-E-363	SOFT	51.4639	179.2007
ROCK-CA-AL-C520M	S-G-304	SOFT	51.4700	179.1835
ROCK-CA-AL-C515M	S-G-302	SOFT	51.4800	179.1400
ROCK-CA-AL-C516M	S-G-303	SOFT	51.4800	179.1400
ROCK-CA-SJ-C505M	S-G-300	SOFT	51.4856	179.1134
ROCK-CA-SJ-C519M	S-G-307	SOFT	51.4732	179.1926
ROCK-CA-SJ-C521M	S-G-312	SOFT	51.4736	179.1845
ROCK-CA-SJ-C522	S-G-317	SOFT	51.4706	179.1507
ROCK-CA-SJ-C523	S-G-316	SOFT	51.4843	179.1119
ROCK-KI-AL-C514M	S-G-313	SOFT	51.9724	177.5514
ROCK-KI-SJ-C510M	S-G-310	SOFT	52.0249	177.4957
ROCK-KI-SJ-C511M	S-G-311	SOFT	52.0249	177.4957
ROCK-KI-SJ-C512	S-G-315	SOFT	52.0238	177.4984
ROCK-LS-SJ-C501M	S-G-306	SOFT	51.4419	179.2228
ROCK-LS-SJ-C507M	S-G-309	SOFT	51.4237	179.2326
ROCK-LS-SJ-C508M	S-G-308	SOFT	51.4237	179.2326
ROCK-LS-SJ-C509M	S-G-301	SOFT	51.4237	179.2326
ROCK-LS-SJ-C517M	S-G-305	SOFT	51.4639	179.2007
ROCK-ML-SJ-C503M	S-G-314	SOFT	51.4088	179.1517
ROCK-ML-SJ-C504	S-G-318	SOFT	51.3949	179.1337
TUPU-CH-AL-C1	S-O-384	SOFT	51.4100	179.2950
TUPU-KI-AL-C503	S-O-382	SOFT	52.0300	177.4900
TUPU-KI-AL-C504	S-O-379	SOFT	52.0300	177.4900
YILO-CA-AL-C514	S-L-332	SOFT	51.4940	179.1480
YILO-CA-AL-C515	S-L-349	SOFT	51.4940	179.1480
YILO-CA-SB-C517	S-L-329	SOFT	51.4940	179.1766
YILO-CA-SB-C518	S-L-330	SOFT	51.4940	179.1766
YILO-KI-AL-C506	S-L-321	SOFT	51.9750	177.5954
YILO-KI-AL-C509	S-L-319	SOFT	51.9750	177.5954
YILO-KI-AL-C510	S-L-346	SOFT	51.9750	177.5950
YILO-KI-AL-C511	S-L-348	SOFT	51.9750	177.5950
YILO-KI-JB-C505	S-L-323	SOFT	51.9725	177.5515
YILO-KI-JB-C507	S-L-331	SOFT	51.9773	177.5520
YILO-LS-AL-C523	S-L-333	SOFT	51.4130	179.3050
YILO-LS-JB-C516	S-L-347	SOFT	51.4576	179.2248

Table 3: INL Samples

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Sample ID	Lab Code	Matrix	GPS N	GPS E
AM1FS1004TC-14	S-K-70-B	SOFT	QA Sample	
AM1FS1004TC-15	S-K-75-B	SOFT	QA Sample	
AM2FS1004GA-14	S-K-70-A	SOFT	QA Sample	
AM2FS1004GA-15	S-K-75-A	SOFT	QA Sample	
BROC-CA-AL-C506M	S-B-56-B	SOFT	51.4868	179.1565
BROC-CA-AL-C506M	S-B-56-A	SOFT	51.4868	179.1565
BROC-CH-JB-C516	S-B-66-A	SOFT	51.4130	179.3010
BROC-CH-JB-C516	S-B-66-B	SOFT	51.4130	179.3010
BROC-KI-AL-C503M	S-B-55-B	SOFT	51.4033	179.1417
BROC-KI-AL-C503M	S-B-55-A	SOFT	51.4033	179.1417
BROC-ML-AL-C501M	S-B-54-B	SOFT	51.4007	179.1300
BROC-ML-AL-C501M	S-B-54-A	SOFT	51.4007	179.1300
PIGU-KI-DV-C530M	S-P-68-A	SOFT	52.0300	177.4900
PIGU-KI-DV-C530M	S-P-68-B	SOFT	52.0300	177.4900
PIGU-LS-AL-C501M	S-P-67-A	SOFT	51.4267	179.2365
PIGU-LS-AL-C501M	S-P-67-B	SOFT	51.4267	179.2365
PIGU-ML-DV-C506	S-P-69-A	SOFT	51.4000	179.1500
PIGU-ML-DV-C506	S-P-69-B	SOFT	51.4000	179.1500
ROCK-CA-SJ-C518M	S-G-50-A	SOFT	51.4715	179.1890
ROCK-CA-SJ-C518M	S-G-50-B	SOFT	51.4715	179.1890
ROCK-KI-AL-C513M	S-G-53-B	SOFT	51.9724	177.5514
ROCK-KI-AL-C513M	S-G-53-A	SOFT	51.9724	177.5514
ROCK-LS-SJ-C506M	S-G-51-B	SOFT	51.4470	179.2044
ROCK-LS-SJ-C506M	S-G-51-A	SOFT	51.4470	179.2044
ROCK-ML-SJ-502M	S-G-52-B	SOFT	51.3921	179.1488
ROCK-ML-SJ-502M	S-G-52-A	SOFT	51.3921	179.1488
TUPU-KI-AL-C507	S-O-73-A	SOFT	51.9750	177.5950
TUPU-KI-AL-C507	S-O-73-B	SOFT	51.9750	177.5950
TUPU-LS-AL-C2	S-O-74-A	SOFT	51.4267	179.2365
TUPU-LS-AL-C2	S-O-74-B	SOFT	51.4267	179.2365
TUPU-ML-AL-C506	S-O-71-A	SOFT	51.4000	179.1600
TUPU-ML-AL-C506	S-O-71-B	SOFT	51.4000	179.1600
YILO-CA-SJ-C520M	S-L-58-B	SOFT	51.4763	179.1847
YILO-CA-SJ-C520M	S-L-58-A	SOFT	51.4763	179.1847
YILO-KI-JB-C508M	S-L-57-B	SOFT	51.9773	177.5520
YILO-KI-JB-C508M	S-L-57-A	SOFT	51.9773	177.5520
YILO-LS-AL-C522M	S-L-59-B	SOFT	51.4130	179.3050
YILO-LS-AL-C522M	S-L-59-A	SOFT	51.4130	179.3050
YILO-ML-AL-C524	S-L-72-A	SOFT	51.4005	179.1305
YILO-ML-AL-C524	S-L-72-B	SOFT	51.4005	179.1305
AM1FS1004GA-14	S-K-88	SOFT	QA Sample	
AM1FS1004GA-15	S-K-89	SOFT	QA Sample	
AM1FS1004TC-11	S-K-89	SOFT	QA Sample	
AM1FS1004TC-13	S-K-88	SOFT	QA Sample	
COEI-KI-AL-C504	S-VN-104	SOFT	51.9490	177.6350
COEI-KI-AL-C504	S-VN-104	SOFT	51.9490	177.6350
COEI-LS-AL-C502	S-VN-103	SOFT	51.4378	179.2142
COEI-LS-AL-C502	S-VN-103	SOFT	51.4378	179.2142
COEI-ML-MG-C501	S-VN-102	SOFT	51.4195	179.1833
COEI-ML-MG-C501	S-VN-102	SOFT	51.4195	179.1833
GWGU-AM-AL-C3M	S-M-86	SOFT	51.4152	179.1889

Table 3: INL Samples

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Sample ID	Lab Code	Matrix	GPS_N	GPS_E
GWGU-AM-AL-C3M	S-M-86	SOFT	51.4152	179.1889
GWGU-CA-JB-C508M	S-M-81	SOFT	51.4700	179.1040
GWGU-CA-JB-C508M	S-M-81	SOFT	51.4700	179.1040
GWGU-CA-JB-C513	S-M-87	SOFT	51.4700	179.1040
GWGU-CA-JB-C513	S-M-87	SOFT	51.4700	179.1040
GWGU-KI-C514	S-M-84	SOFT	51.9510	177.6250
GWGU-KI-C514	S-M-84	SOFT	51.9510	177.6250
GWGU-KI-DV-C510M	S-M-85	SOFT	52.0300	177.4900
GWGU-KI-DV-C510M	S-M-85	SOFT	52.0300	177.4900
GWGU-LS-AL-C501M	S-M-80	SOFT	51.4524	179.2092
GWGU-LS-AL-C501M	S-M-80	SOFT	51.4524	179.2092
GWGU-LS-AL-C505M	S-M-82	SOFT	51.4310	179.1840
GWGU-LS-AL-C505M	S-M-82	SOFT	51.4310	179.1840
GWGU-ML-JB-C502M	S-M-83	SOFT	51.4155	179.1796
GWGU-ML-JB-C502M	S-M-83	SOFT	51.4155	179.1796
PCOD-KI-JB-C505M	S-K-61-B	SOFT	52.0319	177.4843
PCOD-KI-JB-C505M	S-K-61-A	SOFT	52.0319	177.4843
PCOD-LS-AL-C511M	S-K-60-B	SOFT	51.4130	179.3050
PCOD-LS-AL-C511M	S-K-60-A	SOFT	51.4130	179.3050
PCOD-ML-AL-C517M	S-K-63-B	SOFT	51.4007	179.1300
PCOD-ML-AL-C517M	S-K-63-A	SOFT	51.4007	179.1300
URCH-CA-SJ-C513	S-U-76-B	SOFT	51.4856	179.1134
URCH-CA-SJ-C513	S-U-76-A	SOFT	51.4856	179.1134
URCH-CA-SJ-C513	S-U-76-C	SOFT	51.4856	179.1134
URCH-KI-SJ-C525	S-U-96	SOFT	52.0248	177.4958
URCH-KI-SJ-C525	S-U-96	SOFT	52.0248	177.4958
URCH-KI-SJ-C525	S-U-96	SOFT	52.0248	177.4958
URCH-LS-SJ-C550	S-4-90-A	SOFT	51.4350	179.2293
URCH-LS-SJ-C550	S-4-90-B	SOFT	51.4350	179.2293
URCH-LS-SJ-C550	S-4-90-C	SOFT	51.4350	179.2293
URCH-ML-SJ-C512	S-U-77-B	SOFT	51.4033	179.1417
URCH-ML-SJ-C512	S-U-77-C	SOFT	51.4033	179.1417
URCH-ML-SJ-C512	S-U-77-A	SOFT	51.4033	179.1417
ALAR-CA-SJ-C525	K-BB-107-A	KELP	51.4700	179.1835
ALAR-CA-SJ-C525	K-BB-107-B	KELP	51.4700	179.1835
ALAR-CA-SJ-C525	K-BB-107-C	KELP	51.4700	179.1835
ALAR-KI-SJ-C518	K-BB-108-A	KELP	51.9886	177.5764
ALAR-KI-SJ-C518	K-BB-108-B	KELP	51.9886	177.5764
ALAR-KI-SJ-C518	K-BB-108-C	KELP	51.9886	177.5764
ALAR-LS-SJ-C510	K-BB-110-A	KELP	51.4345	179.2283
ALAR-LS-SJ-C510	K-BB-110-B	KELP	51.4345	179.2283
ALAR-LS-SJ-C510	K-BB-110-C	KELP	51.4345	179.2283
ALAR-ML-SJ-C508	K-BB-109-A	KELP	51.3940	179.1527
ALAR-ML-SJ-C508	K-BB-109-B	KELP	51.3940	179.1527
ALAR-ML-SJ-C508	K-BB-109-C	KELP	51.3940	179.1527
AM1KL1004GA-1	K-CC-132-A	KELP	QA Sample	
AM1KL1004GA-10	K-CC-133-A	KELP	QA Sample	
AM1KL1004TC-2	K-CC-132-B	KELP	QA Sample	
AM1KL1004TC-4	K-CC-133-B	KELP	QA Sample	
AM5KL1004AL-2	K-CC-132-C	KELP	QA Sample	
AM7KL1004AL-2	K-CC-133-C	KELP	QA Sample	

Table 3: INL Samples

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Sample ID	Lab Code	Matrix	GPS N	GPS E
FUCU-KI-MG-C516	K-CC-115-A	KELP	52.0277	177.5059
FUCU-KI-MG-C516	K-CC-115-B	KELP	52.0277	177.5059
FUCU-KI-MG-C516	K-CC-115-C	KELP	52.0277	177.5059
FUCU-LS-MG-C510	K-CC-130-A	KELP	51.4476	179.1911
FUCU-LS-MG-C510	K-CC-130-B	KELP	51.4476	179.1911
FUCU-LS-MG-C510	K-CC-130-C	KELP	51.4476	179.1911
FUCU-LS-MG-C511	K-CC-113-A	KELP	51.4476	179.1911
FUCU-LS-MG-C511	K-CC-113-B	KELP	51.4476	179.1911
FUCU-LS-MG-C511	K-CC-113-C	KELP	51.4476	179.1911
FUCU-ML-JB-C503	K-CC-114-A	KELP	51.4151	179.1507
FUCU-ML-JB-C503	K-CC-114-B	KELP	51.4151	179.1507
FUCU-ML-JB-C503	K-CC-114-C	KELP	51.4151	179.1507
JING-CA-SJ-C552	S-R-121-A	SOFT	51.4679	179.1806
JING-CA-SJ-C552	S-R-121-B	SOFT	51.4679	179.1806
JING-CA-SJ-C552	S-R-121-C	SOFT	51.4679	179.1806
JING-KI-SJ-C551	S-R-119-A	SOFT	52.0375	177.5010
JING-KI-SJ-C551	S-R-119-B	SOFT	52.0375	177.5010
JING-KI-SJ-C551	S-R-119-C	SOFT	52.0375	177.5010
JING-LS-SJ-C550	S-R-117-A	SOFT	51.4497	179.2152
JING-LS-SJ-C550	S-R-117-B	SOFT	51.4497	179.2152
JING-LS-SJ-C550	S-R-117-C	SOFT	51.4497	179.2152
NANA-CA-DV-C523	K-AA-106-A	KELP	51.4689	179.1493
NANA-CA-DV-C523	K-AA-106-B	KELP	51.4689	179.1493
NANA-CA-DV-C523	K-AA-106-C	KELP	51.4689	179.1493
NANA-KI-JB-C514	K-AA-112-A	KELP	52.0277	177.5059
NANA-KI-JB-C514	K-AA-112-B	KELP	52.0277	177.5059
NANA-KI-JB-C514	K-AA-112-C	KELP	52.0277	177.5059
NANA-LS-JB-C506	K-AA-105-A	KELP	51.4490	179.1898
NANA-LS-JB-C506	K-AA-105-B	KELP	51.4490	179.1898
NANA-LS-JB-C506	K-AA-105-C	KELP	51.4490	179.1898
NANA-ML-JB-C503	K-AA-111-A	KELP	51.4153	179.1484
NANA-ML-JB-C503	K-AA-111-B	KELP	51.4153	179.1484
NANA-ML-JB-C503	K-AA-111-C	KELP	51.4153	179.1484
PCOD-KI3-WF-C531	S-K-118-A	SOFT	51.8494	177.6891
PCOD-KI3-WF-C531	S-K-118-B	SOFT	51.8494	177.6891
PCOD-TA2-JW-C530	S-K-116-A	SOFT	51.2946	179.3899
PCOD-TA2-JW-C530	S-K-116-B	SOFT	51.2946	179.3899
AM11BN1004AL-2	B-K-152-B	BONE	QA Sample	
AM1BN10046A-13	B-K-152-A	BONE	QA Sample	
GWGU-AM-AL-C3	B-M-140-A	BONE	51.4152	179.1889
GWGU-AM-AL-C3	B-M-140-B	BONE	51.4152	179.1889
GW-GU-CA-JB-C508	B-M-141-A	BONE	51.4700	179.1040
GW-GU-CA-JB-C508	B-M-141-B	BONE	51.4700	179.1040
GWGU-CA-JB-C513	B-M-145-A	BONE	51.4700	179.1040
GWGU-CA-JB-C513	B-M-145-B	BONE	51.4700	179.1040
GWGU-KI-AL-C514	B-M-144-A	BONE	51.9510	177.6250
GWGU-KI-AL-C514	B-M-144-B	BONE	51.9510	177.6250
GWGU-KI-DV-C510	B-M-138-A	BONE	52.0300	177.4900
GWGU-KI-DV-C510	B-M-138-B	BONE	52.0300	177.4900
GWGU-LS-AL-C501	B-M-139-A	BONE	51.4524	179.2092

Table 3: INL Samples

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Sample ID	Lab Code	Matrix	GPS_N	GPS_E
GWGU-LS-AL-C501	B-M-139-B	BONE	51.4524	179.2092
GWGU-LS-AL-C505	B-M-142-A	BONE	51.4310	179.1840
GWGU-LS-AL-C505	B-M-142-B	BONE	51.4310	179.1840
GWGU-ML-AL-C502	B-M-143-A	BONE	51.4155	179.1796
GWGU-ML-AL-C502	B-M-143-B	BONE	51.4155	179.1796
PIGU-KI-DV-C503	B-P-137-A	BONE	52.0300	177.4900
PIGU-KI-DV-C503	B-P-137-B	BONE	52.0300	177.4900
PIGU-LS-AL-C1	B-P-136-A	BONE	51.4267	179.2365
PIGU-LS-AL-C1	B-P-136-B	BONE	51.4267	179.2365
PIGU-ML-DV-C506	B-P-135-A	BONE	51.4000	179.1500
PIGU-ML-DV-C506	B-P-135-B	BONE	51.4000	179.1500
TUPU-KI-AL-C507	B-O-147-A	BONE	51.9750	177.5950
TUPU-KI-AL-C507	B-O-147-B	BONE	51.9750	177.5950
TUPU-LS-AL-C2	B-O-146-A	BONE	51.4267	179.2365
TUPU-LS-AL-C2	B-O-146-B	BONE	51.4267	179.2365
TUPU-ML-AL-506	B-O-148-A	BONE	51.4000	179.1600
TUPU-ML-AL-506	B-O-148-B	BONE	51.4000	179.1600
YILO-CA-S-C518	B-L-151-A	BONE	51.4940	179.1766
YILO-CA-S-C518	B-L-151-B	BONE	51.4940	179.1766
YILO-KI-JB-C508	B-L-150-A	BONE	51.9773	177.5520
YILO-KI-JB-C508	B-L-150-B	BONE	51.9773	177.5520
AM1BN1004AL-2	B-K-172-B	BONE	QA Sample	
AM1BN1004AL-4	B-K-171-B	BONE	QA Sample	
AM1BN1004GA-3	B-K-171-A	BONE	QA Sample	
AM1BN1004GA-4	B-K-172-A	BONE	QA Sample	
ATKA-Ki2-JW-C551	B-A-163A	BONE	51.8215	177.6290
ATKA-Ki2-JW-C551	B-A-163B	BONE	51.8215	177.6290
PERC-Ri1-JW-C551	B-J-167-A	BONE	51.9092	178.2550
PERC-Ri1-JW-C551	B-J-167-B	BONE	51.9092	178.2550
WALL-Ki5-JW-C551	B-C-162-B	BONE	51.7458	177.3591
WALL-Ki5-JW-C551	B-C-162-A	BONE	51.7458	177.3591
WALL-TA2-JW-C552	B-C-174-A	BONE	51.2946	179.3899
WALL-TA2-JW-C552	B-C-174-B	BONE	51.2946	179.3899
YILO-CA-AL-C514	B-L-164-A	BONE	51.4940	179.1480
YILO-CA-AL-C514	B-L-164-B	BONE	51.4940	179.1480
BROC-KI-AL-503B	B-B-154-A	BONE	51.9725	177.5515
BROC-KI-AL-503B	B-B-154-B	BONE	51.9725	177.5515
AM1FS1004GA-10	S-K-181-A	SOFT	QA Sample	
AM1FS1004GA-11	S-K-180-A	SOFT	QA Sample	
AM1FS1004GA-8	S-K-181-B	SOFT	QA Sample	
AM1FS1004TC-12	S-K-180-B	SOFT	QA Sample	
ATKA-Ki2-JW-C551	S-A-178-A	SOFT	51.8215	177.6290
ATKA-Ki2-JW-C551	S-A-178-B	SOFT	51.8215	177.6290
ATKA-Ri3-JW-C552	S-A-175-A	SOFT	51.9591	178.2681
ATKA-Ri3-JW-C552	S-A-175-B	SOFT	51.9591	178.2681
PERC-Ki3-JW-C552	S-J-177-A	SOFT	51.8494	177.6891
PERC-Ki3-JW-C552	S-J-177-B	SOFT	51.8494	177.6891
PERC-Ri1-JW-C551	S-J-169-A	SOFT	51.9092	178.2550
PERC-Ri1-JW-C551	S-J-169-B	SOFT	51.9092	178.2550
WALL-Ki5-JW-C551	S-C-176-A	SOFT	51.7458	177.3591

Table 3: INL Samples

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Sample ID	Lab Code	Matrix	GPS_N	GPS_E
WALL-KI5-JW-C551	S-C-176-B	SOFT	51.7458	177.3591
WALL-TA2-JW-C552	S-C-170-A	SOFT	51.2946	179.3899
WALL-TA2-JW-C552	S-C-170-B	SOFT	51.2946	179.3899
FUCU-ML-JB-C506	K-CC-193	KELP	51.4153	179.1484
FUCU-ML-JB-C504	K-CC-194	KELP	51.4153	179.1484
FUCU-ML-JB-C505	K-CC-195	KELP	51.4142	179.1527
FUCU-LS-MG-C507	K-CC-196	KELP	51.4476	179.1911
FUCU-LS-MG-C508	K-CC-197	KELP	51.4476	179.1911
NANA-KI-SJ-C520	K-AA-198	KELP	51.9753	177.5654
FUCU-KI-DV-C515	K-CC-199	KELP	52.0267	177.5045
NANA-KI-JB-C516	K-AA-200	KELP	52.0267	177.5045
FUCU-KI-MG-C513	K-CC-201	KELP	52.0267	177.5045
NANA-KI-JB-C510	K-AA-202	KELP	51.9755	177.5687
FUCU-KI-MG-C514	K-CC-203	KELP	52.0267	177.5045
NANA-KI-JB-C511	K-AA-204	KELP	52.0270	177.5058
AM11KL1004AL-2	K-CC-205	KELP	QA Sample	
AM9KL1004AL-1	K-CC-206	KELP	QA Sample	
NANA-CA-SJ-C522	K-AA-207	KELP	51.4843	179.1119
FUCU-LS-MG-C501	K-CC-208	KELP	51.4476	179.1911
NANA-CA-SJ-C521	K-AA-209	KELP	51.4706	179.1507
NANA-LS-JB-C503	K-AA-210	KELP	51.4476	179.1911
NANA-LS-JB-C502	K-AA-211	KELP	51.4466	179.1936
FUCU-ML-JB-C502	K-CC-212	KELP	51.4151	179.1507
PCOD-KI-JB-C506B	B-K-215	BONE	52.0319	177.4843
PCOD-KI-JB-C507B	B-K-216	BONE	52.0319	177.4843
PCOD-KI-JB-C505B	B-K-217	BONE	52.0319	177.4843
PCOD-ML-AL-C501B	B-K-218	BONE	51.4007	179.1300
PCOD-CA-AL-C510B	B-K-219	BONE	51.4930	179.1380
PCOD-KI-JB-C509B	B-K-220	BONE	52.0319	177.4843
PCOD-LS-AL-C511B	B-K-221	BONE	51.4130	179.3050
PCOD-ML-AL-C504B	B-K-222	BONE	51.4007	179.1300
PCOD-LS-AL-C512B	B-K-223	BONE	51.4130	179.3050
AM9BN1004AL-1	B-K-225	BONE	QA Sample	
HALI-RI3-C550	B-H-226	BONE	51.9591	178.2681
PCOD-KI-JB-C508	B-K-227	BONE	52.0319	177.4843
HALI-ML-AL-C503	B-H-228	BONE	51.4000	179.1300
AM11BN1004AL-1	B-K-229	BONE	QA Sample	
PCOD-KI3-WF-C531	B-H-230	BONE	51.8494	177.6891
HALI-LS-AL-C502	B-K-231	BONE	51.4100	179.3100
PCOD-LS-JB-C513	B-K-232	BONE	51.4130	179.3050
PCOD-ML-SB-C502	B-K-233	BONE	51.4007	179.1300
HALI-KI-AL-C501	B-H-234	BONE	51.9730	177.5890
AM5KL1004AL-1	K-AA-235	KELP	QA Sample	
AM1KL1004AL-1	K-AA-236	KELP	QA Sample	
ULVA-LS-MG-C511	K-DD-237	KELP	51.4489	179.1898
ULVA-LS-MG-C512	K-DD-238	KELP	51.4476	179.1911
ULVA-LS-MG-C513	K-DD-239	KELP	51.4476	179.1911
ULVA-KI-MG-C514	K-DD-240	KELP	52.0277	177.5059
ULVA-KI-MG-C515	K-DD-241	KELP	52.0277	177.5059
ULVA-KI-MG-C516	K-DD-242	KELP	52.0277	177.5059

Table 3: INL Samples

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Sample ID	Lab Code	Matrix	GPS N	GPS E
ULVA-KI-MG-C517	K-DD-243	KELP	52.0267	177.5045
ULVA-KI-MG-C518	K-DD-244	KELP	52.0267	177.5045
ULVA-KI-MG-C519	K-DD-245	KELP	52.0267	177.5045
ULVA-LS-MG-C509	K-DD-246	KELP	51.4466	179.1936
ULVA-LS-MG-C510	K-DD-247	KELP	51.4466	179.1936
ULVA-LS-MG-C501	K-DD-248	KELP	51.4476	179.1911
ALAR-CA-SJ-C516	K-BB-249	KELP	51.4856	179.1134
ALAR-LS-SJ-C514	K-BB-250	KELP	51.4496	179.2128
NANA-ML-JB-C507	K-AA-251	KELP	51.4142	179.1527
ALAR-ML-SJ-C513	K-BB-252	KELP	51.4088	179.1517
ALAR-LS-SJ-C512	K-BB-253	KELP	51.4419	179.2228
ALAR-KI-SJ-C519	K-BB-254	KELP	51.9753	177.5654
PCOD-KI-AL-C587	B-K-255	BONE	52.0319	177.4843
PCOD-CH-AL-C515	B-K-256	BONE	51.4130	179.3050
PCOD-LS-JB-C588	B-K-257	BONE	51.4700	179.2100
PCOD-ML-AL-C503	B-K-258	BONE	51.4007	179.1300
PCOD-LS-JB-C589	B-K-259	BONE	51.4700	179.2100
PCOD-KI-AL-C590	B-K-260	BONE	52.0319	177.4843
PCOD-CH-AL-C574	B-K-261	BONE	51.4130	179.3050
HALI-TAG-JW-C591	B-H-262	BONE	51.4514	178.6024
HALI-ML-AL-C592	B-H-263	BONE	51.4000	179.1300
HALI-KI-JB-C593	B-H-264	BONE	52.0319	177.4843
URCH-LS-SJ-C502	S-U-265	SOFT	51.4413	179.2254
URCH-LS-SJ-C503	S-U-266	SOFT	51.4413	179.2254
URCH-LS-SJ-C504	S-U-267	SOFT	51.4419	179.2228
URCH-ML-SJ-C506	S-U-268	SOFT	51.4032	179.1602
URCH-LS-SJ-C523	S-U-269	SOFT	51.4314	179.2185
URCH-CA-SJ-C515	S-U-270	SOFT	51.4874	179.1152
URCH-CA-SJ-C514	S-U-271	SOFT	51.4726	179.1511
URCH-ML-SJ-C507	S-U-272	SOFT	51.4000	179.1546
URCH-KI-SJ-C528	S-U-273	SOFT	51.9724	177.5627
URCH-KI-SJ-C529	S-U-274	SOFT	51.9851	177.5767
URCH-KI-SJ-C530	S-U-275	SOFT	51.9848	177.5843
URCH-ML-SJ-C511	S-U-276	SOFT	51.4088	179.1517
URCH-ML-SJ-C509	S-U-277	SOFT	51.4019	179.1489
URCH-CA-SJ-C599	S-U-278	SOFT	51.4700	179.1835
URCH-CA-SJ-C600	S-U-279	SOFT	51.4679	179.1806
URCH-KI-SJ-C524B	S-U-280	SOFT	52.0238	177.4984
URCH-KI-SJ-C526	S-U-281	SOFT	52.0375	177.5010
URCH-KI-SJ-C601	S-U-282	SOFT	51.9785	177.5473
JING-CA-SJ-C608	SR-283	SOFT	51.4700	179.1835
JING-CA-SJ-C615	S-R-284	SOFT	51.4874	179.1152
JING-CA-SJ-C616	S-R-285	SOFT	51.4874	179.1152
JING-CA-SJ-C617	S-R-286	SOFT	51.4715	179.1890
JING-KI-SJ-C618	S-R-287	SOFT	52.0249	177.4957
JING-KI-SJ-C619	S-R-288	SOFT	52.0249	177.4957
JING-KI-SJ-C620	S-R-289	SOFT	52.0249	177.4957
JING-KI-SJ-C621	S-R-290	SOFT	52.0249	177.4957
JING-KI-SJ-C622	S-R-291	SOFT	52.0249	177.4957
JING-CA-SJ-C623	S-R-292	SOFT	51.4715	179.1890

Table 3: INL Samples

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Sample ID	Lab Code	Matrix	GPS_N	GPS_E
JING-BL-SJ-C624	S-R-293	SOFT	51.4470	179.2044
JING-LS-SJ-C625	S-R-294	SOFT	51.4470	179.2044
JING-LS-SJ-C626	S-R-295	SOFT	51.4494	179.2141
JING-LS-SJ-C627	S-R-296	SOFT	51.4494	179.2141
JING-ML-SJ-C628	S-R-297	SOFT	51.4019	179.1489
JING-ML-SJ-C629	S-R-298	SOFT	51.4019	179.1489
JING-ML-SJ-C630	S-R-299	SOFT	51.4019	179.1489
JING-ML-SJ-C631	S-R-300	SOFT	51.4019	179.1489
AM1KL1004AL-2	S-R-301	KELP	QA Sample	
AM1KL1004AL-1	S-R-302	KELP	QA Sample	
ALAR-CA-SJ-C524	K-BB-600	KELP	51.4715	179.1890
ALAR-CA-SJ-C515	K-BB-601	KELP	51.4726	179.1511
ALAR-KI-SJ-C522	K-BB-602	KELP	52.0375	177.5010
ALAR-KI-SJ-C523	K-BB-603	KELP	52.0249	177.4957
ALAR-LS-SJ-C511	K-BB-604	KELP	51.4237	179.2326
ALAR-LS-SJ-C521	K-BB-605	KELP	51.4546	179.1981
ALAR-LS-SJ-C520	K-BB-606	KELP	51.4627	179.1954
ALAR-ML-SJ-C509	K-BB-607	KELP	51.4000	179.1546
ALAR-ML-SJ-C517	K-BB-608	KELP	51.4019	179.1489
AM1KL1004AL-3	K-BB-609	KELP	QA Sample	
NANA-CA-DV-C522B	K-AA-610	KELP	51.4689	179.1493
NANA-KI-JB-C512	K-AA-611	KELP	52.0270	177.5058
NANA-KI-JB-C513	K-AA-612	KELP	52.0277	177.5059
NANA-KI-SJ-C518	K-AA-613	KELP	51.9753	177.5654
NANA-LS-JB-C504	K-AA-614	KELP	51.4476	179.1911
NANA-LS-JB-C501	K-AA-615	KELP	51.4466	179.1936
NANA-LS-JB-C505	K-AA-616	KELP	51.4490	179.1898
ALAR-ML-JB-C501	K-AA-617	KELP	51.4466	179.1936
ALAR-ML-JB-C504	K-AA-618	KELP	51.4476	179.1911
AM3KL1004AL-2	K-AA-619	KELP	QA Sample	
BONG-ML-SJ-C501	K-EE-620	KELP	51.3964	179.1475
BONG-ML-SJ-C502	K-EE-621	KELP	51.4032	179.1602
BONG-ML-SJ-C503	K-EE-622	KELP	51.3921	179.1488
BONG-KI-MG-C505	K-EE-623	KELP	52.0270	177.5058
BONG-KI-SJ-C506	K-EE-624	KELP	51.9851	177.5767
BONG-LS-SJ-C507	K-EE-625	KELP	51.4639	179.2007
BONG-KI-SJ-C508	K-EE-626	KELP	52.0238	177.4984
BONG-CA-SJ-C509	K-EE-627	KELP	51.4706	179.1507
BONG-CA-SJ-C635	K-EE-628	KELP	51.47	179.19
YESS-ML-SJ-C501A	K-FF-629	KELP	51.3940	179.1527
LAMI-ML-JB-C501	K-GG-630	KELP	51.4152	179.1508
LAMI-ML-SJ-C504	K-GG-631	KELP	51.4032	179.1602
LAMI-LS-SJ-C505	K-GG-632	KELP	51.4237	179.2325
LAMI-KI-JB-C507	K-GG-633	KELP	52.0277	177.5059
LAMI-CA-SJ-C508	K-GG-634	KELP	51.4843	179.1119
SACC-KI-SJ-C503	K-HH-635	KELP	52.0249	177.4957
SACC-CA-SJ-C505	K-HH-636	KELP	51.4736	179.1845
SACC-LS-SJ-C506	K-HH-637	KELP	51.4494	179.2141
AM11KL1004AL-1	K-EE-638	KELP	QA Sample	
AM9KL1004AL-2	K-HH-639	KELP	QA Sample	
MODI-CA-SJ-C640	S-II-640	SOFT	51.4732	179.1926
MODI-CA-SJ-C641	S-II-641	SOFT	51.4736	179.1845
MODI-KI-SJ-C642	S-II-642	SOFT	51.9848	177.5843
MODI-CA-SJ-C643	S-II-643	SOFT	51.4874	179.1152
MODI-KI-SJ-C644	S-II-644	SOFT	51.9851	177.5767
MODI-LS-SJ-C645	S-II-645	SOFT	51.4419	179.2228
MODI-ML-SJ-C646	S-II-646	SOFT	51.3964	179.1475
MODI-ML-SJ-C647	S-II-647	SOFT	51.4019	179.1489
AM7KL1004AL-1	S-II-648	SOFT	QA Sample	
SOFTS-KI-SJ-C654	S-S-649	SOFT	51.9786	177.5471
OCTO-CA-SJ-5	S-W-650	SOFT	51.4732	179.1926
AM1KL1004AL-4	S-S-651	SOFT	QA Sample	
SOFTS-KI-SJ-C648	S-S-652	SOFT	51.9588	177.6203
SOFTS-KI-SJ-C649	S-S-653	SOFT	51.9588	177.6203
SOFTS-LS-SJ-C650	S-S-654	SOFT	51.4470	179.2044
SOFTS-LS-SJ-C651	S-S-655	SOFT	51.4470	179.2044
SOFTS-SB-AL-C652	S-S-656	SOFT	51.4476	179.1911
SOFTS-SB-AL-C653	S-S-657	SOFT	51.4476	179.1911
SOFTS-ML-AL-C504	S-S-658	SOFT	51.4152	179.1508
SOFTS-ML-AL-C655	S-S-659	SOFT	51.4152	179.1508