

Plankton Net Tow Log Sheet

Cruise #: 2013-38 Vessel: TULLY Page: 1
Project(s): LA PEROUSE Contact: Moma
TSK Serial #: 4798

Date: 29-05-13	Station: E1	Time: 1232 (LOCAL)
Net Event # 7	CTD # 6	1932 UTC
Latitude: 48 deg	31.75 min.dec N	Longitude: 125 deg 03.91 min.dec W
Wire out: 107	Wire angle: 18	Bottom Depth: 117
Net Type: Bongo	Tow Type: VNH	RBR - attached
Flow start 55571	Flow end 56812	Flow = frozen
		Non-flow = pickled

Notes: Lots of jellies, whales + birds in area of cast
(See needles, lion manes?)

Date: 29-05-2013	Station: C1	Time: 1505 (LOCAL)
Net Event # 11	CTD # 10	2205 UTC
Latitude: 48 deg	28.94 min.dec N	Longitude: 125 deg 15.15 min.dec W
Wire out: 142	Wire angle: 22	Bottom Depth: 152
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
56812	57151	Non-flow = pickled

Notes:

Date: 29-05-2013	Station: C2	Time: 1610 (LOCAL)
Net Event # 13	CTD # 12	2310 UTC
Latitude: 48 deg	26.22 min.dec N	Longitude: 125 deg 09.18 min.dec W
Wire out: 151	Wire angle: 16	Bottom Depth: 162
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
57152	59447	Non-flow = pickled

Notes: Difference in Flow start + end values seems high but checked the flow + again on next cast + got same reading.

Date: 29-05-2013	Station: C3	Time: 1752 (LOCAL)
Net Event # 15	CTD # 14	0052 UTC
Latitude: 48 deg	23.13 min.dec N	Longitude: 125 deg 20.31 min.dec W
Wire out: 113	Wire angle: 10	Bottom Depth: 123
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
59445	60482	Non-flow = pickled

Notes:

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Cruise #: 2013-38

Vessel: Tolly

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Project(s): LaPerouse

Contact:

TSK Serial #: 4799

Date: 29-05-13	Station: L807	Time: 1909 (LOCAL)
Net Event # 17	CTD # 22	0209 UTC
Latitude: 48 28.62 N	Longitude: 125 22.07 W	
deg min.dec	deg min.dec	
Wire out: 148	Wire angle: 0	Bottom Depth: 157
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen ✓
60485	61676	Non-flow = pickled ✓

Notes: Rosette winch failed no CTD* for this cast.

* Returned much later + did CTD cast after winch repaired CTD# 22

Not noted on 1st look

Date: 29-05-2013	Station: 288	Time: 2140 (LOCAL)
Net Event # 20	CTD # 21	0440 UTC
Latitude: 48 25.24 N	Longitude: 125 28.97 W	
deg min.dec	deg min.dec	
Wire out: 124	Wire angle: 0	Bottom Depth: 134
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen ✓
61678	62750	Non-flow = pickled ✓

Notes: Label may not indicate CTD# as it was being repaired while bongo cast was performed + completed. CTD# noted here.

Date: 30-05-2013	Station: 58	Time: 0132 (LOCAL)
Net Event # 224	CTD # 23	7:32 UTC
Latitude: 48 34.12 N	Longitude: 125 30.00 W	
deg min.dec	deg min.dec	
Wire out: 124	Wire angle: 16	Bottom Depth: 132
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen ✓
62750	64190	Non-flow = pickled ✓

Notes: on labels flow end is 63190 + should read 64190

Date: 30-05-2013	Station: B7	Time: 01:30 (LOCAL)
Net Event # 26	CTD # 25	08130 UTC
Latitude: 48 31.88 N	Longitude: 125 35.47 W	
deg min.dec	deg min.dec	
Wire out: 69	Wire angle: 0	Bottom Depth: 79
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen ✓
64190	64881	Non-flow = pickled ✓

Notes:



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Project(s): LAPGROUSE Contact: MOIRA

TSK Serial #: 4798

Date: 30-05-13	Station: LB11	Time: 0535 (LOCAL)
Net Event # 30	CTD # 29	not UTC
Latitude: 48 15.26 N	Longitude: 125 47.615 W	
deg min.dec	deg min.dec	
Wire out: 197	Wire angle: 10	Bottom Depth: 207
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
64881	66898	Non-flow = pickled

Notes:

Date: 30-05-2013	Station: LC12	Time: 18:57 (LOCAL)
Net Event # 30	CTD # 37	01:57 UTC
Latitude: 48 14.97 N	Longitude: 126 40.15 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 2518
Net Type: Bongo	Tow Type: Bongo VNH	
Flow start	Flow end	Flow = frozen
66896	66123	Non-flow = pickled

Notes:

Date: 31-5-2013	Station: LC9/A3	Time: 0035 (LOCAL)
Net Event # 42	CTD # 41	not UTC
Latitude: 48 28.883 N	Longitude: 126 13.374 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 5	Bottom Depth: 600
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
66123	70298	Non-flow = pickled

Notes:

Date: 31-05-13	Station: A1	Time: 0214 (LOCAL)
Net Event # 44	CTD # 43	not UTC
Latitude: 48 29.47 N	Longitude: 126 7.055 W	
deg min.dec	deg min.dec	
Wire out: 188	Wire angle: 5	Bottom Depth: 198
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
70298	72068	Non-flow = pickled

Notes:



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Cruise #: 2013-38 Vessel: TULLY

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Project(s): LA PEROUSE

Contact: MORRIS

TSK Serial #: 4778

Date: 31-05-13	Station: A2	Time: 0335 (LOCAL)
Net Event # 46	CTD # 45	10:35 UTC
Latitude: 48° 22.75' N	Longitude: 126° 3.88' W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 5	Bottom Depth: 346
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end 73916	Flow = frozen
72068		Non-flow = pickled

Notes:

Date: 31-05-13	Station: LC5/85	Time: 1342 (LOCAL)
Net Event # 52	CTD # 51	2042 UTC
Latitude: 48° 39.96' N	Longitude: 125° 47.29' W	
deg min.dec	deg min.dec	
Wire out: 54	Wire angle: 20	Bottom Depth: 63
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen ✓
73916	74489	Non-flow = pickled ✓

Notes:

Date: 31-05-13	Station: LC6/86	Time: 1431 (LOCAL)
Net Event # 53	CTD # 54	2131 net UTC
Latitude: 48° 36.47' N	Longitude: 125° 53.88' W	
deg min.dec	deg min.dec	
Wire out: 82	Wire angle: 0	Bottom Depth: 91
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen ✓
74489	75218	Non-flow = pickled ✓

Notes:

Date: 31-05-2013	Station: LD11	Time: 1857 (LOCAL)
Net Event # 56	CTD # 57	0157 net UTC
Latitude: 48° 28.68' N	Longitude: 126° 42.81' W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 1603
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen ✓
75218	77677	Non-flow = pickled ✓

Notes: RETERMINATE



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Project(s): LAPE ROUSE Contact: MOIRA

TSK Serial #: 4797

Date: 01.06.13	Station: LD09	Time: 0320 (LOCAL)
Net Event # 60	CTD # 59	not UTC
Latitude: 48 35.725 N	Longitude: 126 30.036 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 6	Bottom Depth: 1056
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
77077	78880	Non-flow = pickled

Notes: LOTS OF CLONG

Date: 01.06.13	Station: LD8/LD04	Time: 0807 (LOCAL)
Net Event # 66	CTD # 65	1507 UTC
Latitude: 48 53.10 N	Longitude: 125 57.06 W	
deg min.dec	deg min.dec	
Wire out: 54	Wire angle: 14	Bottom Depth: 64m
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
78880	79194	Non-flow = pickled

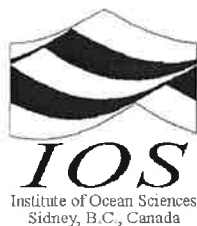
Notes:

Date: 01.06.13	Station: D1/LD02	Time: 1048 9:48 (LOCAL)
Net Event # 69	CTD # 68	not UTC
Latitude: 48 57.92 N	Longitude: 125 48.38 W	
deg min.dec	deg min.dec	
Wire out: 40 m	Wire angle:	Bottom Depth: 47 m
Net Type: BONGO	Tow Type: VNH	
Flow start 79194	Flow end 79410	Flow = frozen
		Non-flow = pickled

Notes:

Date: 01.06.13	Station: LG02	Time: 15:07 (LOCAL)
Net Event # 72	CTD # 73	22:07 not UTC
Latitude: 49 18.75 N	Longitude: 126 37.98 W	
deg min.dec	deg min.dec	
Wire out: 89m	Wire angle: 30	Bottom Depth: 99m
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
79410	80322	Non-flow = pickled

Notes:



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Cruise #: 2013-38

Vessel: Tully

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Project(s): L. Perouse

Contact: Morra

TSK Serial #: 4795

Date: 01-06-2013	Station: LG04	Time: 1700 (LOCAL)
Net Event # 75	CTD # 76	0000 not UTC
Latitude: 49 deg 11.34 min.dec N	Longitude: 126 deg 49.32 min.dec W	
Wire out: 135	Wire angle: 0	Bottom Depth: 146
Net Type: Bongo	Tow Type: BONGO - VNH	
Flow start: 80322	Flow end: 81365	Flow = frozen ✓ Non-flow = pickled ✓

Notes:

Date: 01-06-2013	Station: LG07	Time: 2042 (LOCAL)
Net Event # 79	CTD # 80	0342 not UTC
Latitude: 48 deg 59.45 min.dec N	Longitude: 127 deg 07.24 min.dec W	
Wire out: 230	Wire angle: 5	Bottom Depth: 1765
Net Type: Bongo	Tow Type: VNH	
Flow start: 81365	Flow end: 83290	Flow = frozen ✓ Non-flow = pickled ✓

Notes: Minke whale in area when sampling.

Date: 02-06-13	Station: LBPT	Time: 1009 (LOCAL)
Net Event # 82	CTD # 81	not UTC
Latitude: 49 deg 52.52 min.dec N	Longitude: 128 deg 11.51 min.dec W	
Wire out: 230	Wire angle: 5	Bottom Depth: 2148
Net Type: BONGO	Tow Type: VNH	
Flow start: 83291	Flow end: 85935	Flow = frozen Non-flow = pickled

Notes: VERY WINDY 25-35 KTS

Date: 02-06-13	Station: LBPT	Time: 1348 (LOCAL)
Net Event # 85	CTD # 84	not UTC
Latitude: 50 deg 0.07 min.dec N	Longitude: 128 deg 0.77 min.dec W	
Wire out: 250	Wire angle: 0	Bottom Depth: 1911 1297
Net Type: BONGO	Tow Type: VNH	
Flow start: 85937	Flow end: 88689	Flow = frozen Non-flow = pickled

Notes: Sunny, clear, ~20-25 knot wind 2-3 m seas & white caps.

Left on center log accident for ~1.0 hrs
I need my 2nd cup of coffee it seems...



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Cruise #: 2013-38 Vessel: Tilly Page: 7

Project(s): LePenseur Contact: Marina

TSK Serial #: 4798

Date: 02/06/2013	Station: LBP3	Time: 1554 (LOCAL)
Net Event # 88	CTD # 87	UTC
Latitude: 50 3.26 N	Longitude: 127 55.35 W	
deg min.dec	deg min.dec	
Wire out: 152	Wire angle: 8	Bottom Depth: 162
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
88697	90700 (?)	Non-flow = pickled

Notes: very windy

Date: 02/06/2013	Station: LBP2	Time: 1631 (LOCAL)
Net Event # 90	CTD # 89	2331 UTC
Latitude: 50° 04 01" N	Longitude: 127° 54.18 W	
deg min.dec	deg min.dec	
Wire out: 88	Wire angle: 8	Bottom Depth: 97
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
92025	92748	Non-flow = pickled

Notes: Frozen sample haul: 8 Phialidium, 1 Aequorea + 19 Tintinofores removed
Pickled 110 EUTIM, 8 Phialidium removed Ctenophores PLUBA

Date: 02/06/2013	Station: CPE2	Time: 2343 (LOCAL)
Net Event # 95	CTD # 94	0643 UTC
Latitude: 50 42.95 N	Longitude: 128 39.80 W	
deg min.dec	deg min.dec	
Wire out: 118	Wire angle: 0	Bottom Depth: 128
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
92749	93657	Non-flow = pickled

Notes: 8 Eutima, 1 Phigra + 30 Plutea removed from frozen sample.

Date: 03/06/2013	Station: LQ03	Time: 0217 (LOCAL)
Net Event # 97	CTD # 96	0917 UTC
Latitude: 50 39.74 N	Longitude: 129 1.87 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 8	Bottom Depth: 1223
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
93655	95830	Non-flow = pickled

Notes: WINDS DROPPING 20 KNOTS



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Cruise #: 2013-38 Vessel: TOUT Page: 8

Project(s): CS LINE Contact: MOIRA

TSK Serial #: 4798

Date: 03.06.13	Station: J122	Time: 0304 04:04 (LOCAL)
Net Event # 98	CTD # 99	not UTC
Latitude: 50 39.89 N	Longitude: 129 17.37 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 5	Bottom Depth: 1408
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
95835	97930	Non-flow = pickled

Notes:

Date: 03.06.13	Station: CS00	Time: 0927 (LOCAL)
Net Event # 101	CTD # 100	not UTC
Latitude: 50 27.75 N	Longitude: 129 55.10 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 20	Bottom Depth: 2178
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
97930	99862	Non-flow = pickled

Notes:

* RDR depth = 216.4

Date: 03.06.2013	Station: CS01	Time: 1427 (LOCAL)
Net Event # 104	CTD # 103	2127 not UTC
Latitude: 50 34.94 N	Longitude: 129 41.49 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 2105
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
99562	10178	Non-flow = pickled

Notes: Clear sunny skies, calm seas.

Date: 03.06.2013	Station: CS02	Time: 1555 (LOCAL)
Net Event # 105	CTD # 106	2255 not UTC
Latitude: 50 41.25 N	Longitude: 129 28.04 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 1902
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
1718	3664	Non-flow = pickled

Notes:

Calm seas, sunny with partial clouds.



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Cruise #: 243-38

Vessel: Tully

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Project(s): CSLine

Contact: Moira

TSK Serial #: 4748

Date: 03/06/2013	Station: CS03	Time: 1838 (LOCAL)
Net Event # 107	CTD # 108	0138 not UTC
Latitude: 50 deg 45.76 min.dec N	Longitude: 129 deg 20.12 min.dec W	
Wire out: 228	Wire angle: 12	Bottom Depth: 237
Net Type: Bongo	Tow Type: VNH	
Flow start 3661	Flow end 5201	Flow = frozen
		Non-flow = pickled

Notes:

10,000 dial on TSK looks broken. Bottom of the point missing so spinning on

Date: 03/06/2013	Station: CS04	Time: 2009 (LOCAL)
Net Event # 110	CTD # 109	0309 4/6/13 not UTC
Latitude: 50 deg 49.47 min.dec N	Longitude: 129 deg 13.08 min.dec W	
Wire out: 87	Wire angle: 0°	Bottom Depth: 97
Net Type: Bongo	Tow Type: VNH	
Flow start 5202	Flow end 5882	Flow = frozen
		Non-flow = pickled

Notes:

Date: 04/06/2013	Station: ODAS	Time: 0407 (LOCAL)
Net Event # 112	CTD # 111	127 48.67 not UTC
Latitude: 50 deg 53.22 min.dec N	Longitude: 129 deg 48.67 min.dec W	
Wire out: 850	Wire angle: 5	Bottom Depth: 1963
Net Type: Bongo	Tow Type: VNH	
Flow start 5895	Flow end 7510	Flow = frozen
		Non-flow = pickled

Notes:

Date: 04/06/13	Station: CS3B	Time: 0309 (LOCAL)
Net Event # 114	CTD # 113	not UTC
Latitude: 51 deg 00.03 min.dec N	Longitude: 129 deg 26.92 min.dec W	
Wire out: 520	Wire angle: 25	Bottom Depth: 220
Net Type: BONGO	Tow Type: VNH	
Flow start 7510	Flow end 9245	Flow = frozen
		Non-flow = pickled

Notes:



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Cruise #: 2013 38 Vessel: TULLY Page: 10

Project(s): CS LINE Contact: MOIRA

TSK Serial #: 4798

Date: 04.06.13	Station: CS05	Time: 0526 (LOCAL)
Net Event # 116	CTD # 115	not UTC
Latitude: 50 56.02 N	Longitude: 129 6.33 W	
deg min.dec	deg min.dec	
Wire out: 55	Wire angle: 10	Bottom Depth: 63
Net Type: BONGO	Tow Type: VNH	
Flow start 9245	Flow end 9573	Flow = frozen
		Non-flow = pickled

Notes:

Date: 04.06.13	Station: CS1B	Time: 0715 (LOCAL)
Net Event # 118	CTD # 117	not UTC
Latitude: 50 53.01 N	Longitude: 128 39.94 W	
deg min.dec	deg min.dec	
Wire out: 65	Wire angle: 10	Bottom Depth: 73
Net Type: BONGO	Tow Type: VNH	
Flow start 9573	Flow end 10056	Flow = frozen
		Non-flow = pickled

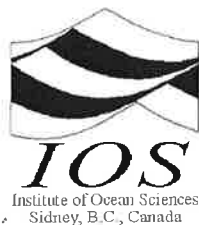
Notes:

Date: 04.06.13	Station: CS06	Time: 0855 (LOCAL)
Net Event # 120	CTD # 119	not UTC
Latitude: 50 59.93 N	Longitude: 128 51.45 W	
deg min.dec	deg min.dec	
Wire out: 55	Wire angle: -	Bottom Depth: 65
Net Type: BONGO	Tow Type: VNH	
Flow start 56	Flow end 444	Flow = frozen
		Non-flow = pickled

Notes:

Date: 04.06.13	Station: CS07	Time: 0952 (LOCAL)
Net Event # 121	CTD # 121	not UTC
Latitude: 51 4.44 N	Longitude: 128 44.15 W	
deg min.dec	deg min.dec	
Wire out: 55	Wire angle: 0	Bottom Depth: 65
Net Type: BONGO	Tow Type: BONGO	
Flow start 44	Flow end 828	Flow = frozen
		Non-flow = pickled

Notes:



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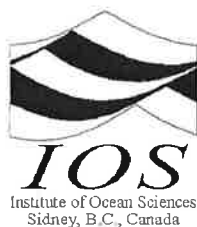
Cruise #: 2013-38 Vessel: TULLY Page: 11
Project(s): CSHNE Contact: MOIRA
TSK Serial #: 4798

Date: <u>04/06/13</u>	Station: <u>CS08</u>	Time: <u>1413</u> (LOCAL)
Net Event # <u>124</u>	CTD # <u>123</u>	<u>2113</u> 1413 UTC
Latitude: <u>51</u> <u>08.35</u> N	Longitude: <u>128</u> <u>36.10</u> W	
deg min.dec	deg min.dec	
Wire out: <u>133</u>	Wire angle: <u>13</u>	Bottom Depth: <u>142</u>
Net Type: <u>Bongo</u>	Tow Type: <u>VN14</u>	
Flow start	Flow end	Flow = frozen
<u>828</u>	<u>1945</u>	Non-flow = pickled
Notes: <u>Removed from frozen sample 2 Euton 1.9 Plutea, 2 Phig, 2 Pluba</u>		

Date: <u>04/06/13</u>	Station: <u>CS09</u>	Time: <u>1542</u> (LOCAL)
Net Event # <u>126</u>	CTD # <u>125</u>	<u>2242</u> 1542 UTC
Latitude: <u>51</u> <u>12.26</u> N	Longitude: <u>128</u> <u>28.04</u> W	
deg min.dec	deg min.dec	
Wire out: <u>185</u>	Wire angle: <u>15</u>	Bottom Depth: <u>195</u>
Net Type: <u>Bongo</u>	Tow Type: <u>VN14</u>	
Flow start	Flow end	Flow = frozen
<u>2006</u>	<u>3749</u>	Non-flow = pickled
Notes:		

Date: <u>04/06/13</u>	Station: <u>CS10</u>	Time: <u>1641</u> (LOCAL)
Net Event # <u>127</u>	CTD # <u>128</u>	<u>2341</u> 1641 UTC
Latitude: <u>51</u> <u>16.49</u> N	Longitude: <u>128</u> <u>20.09</u> W	
deg min.dec	deg min.dec	
Wire out: <u>70</u>	Wire angle: <u>0</u>	Bottom Depth: <u>80</u>
Net Type: <u>Bongo</u>	Tow Type: <u>VN14</u>	
Flow start	Flow end	Flow = frozen
<u>3760</u>	<u>4409</u>	Non-flow = pickled
Notes: <u>1 Ctenophore + 2 Euton removed from frozen sample.</u>		

Date: <u>04/06/13</u>	Station: <u>UBC7</u>	Time: <u>2000</u> (LOCAL)
Net Event # <u>130</u>	CTD # <u>129</u>	<u>0300</u> 2000 UTC
Latitude: <u>51</u> <u>30.00</u> N	Longitude: <u>127</u> <u>49.12</u> W	
deg min.dec	deg min.dec	
Wire out: <u>142</u>	Wire angle:	Bottom Depth: <u>152</u>
Net Type: <u>Bongo</u>	Tow Type: <u>VN14</u>	
Flow start	Flow end	Flow = frozen
<u>4409</u>	<u>5279</u>	Non-flow = pickled
Notes:		



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Project(s): RIVERS INLET Contact: MOIRA

TSK Serial #: 4798

Date: 2013-06-04	Station: Ri 11	Time: 2207 (LOCAL)
Net Event # 133	CTD # 132	0507 not UTC
Latitude: 51 26.42 N	Longitude: 127 38.37 W	
deg min.dec	deg min.dec	
Wire out: 307	Wire angle: 0	Bottom Depth: 317
Net Type: BONGO	Tow Type: BONGO VNH	
Flow start	Flow end	Flow = frozen
5279	7288	Non-flow = pickled

Notes:

Date: 2013-06-04	Station: Ri 22	Time: 2329 (LOCAL)
Net Event # 135	CTD # 134	0629 not UTC
Latitude: 51 31.14 N	Longitude: 127 33.81 W	
deg min.dec	deg min.dec	
Wire out: 323	Wire angle: 5	Bottom Depth: 333
Net Type: BONGO	Tow Type: BONGO - VNH	
Flow start	Flow end	Flow = frozen
7288	9291	Non-flow = pickled

Notes:

Date: 2013-06-05	Station: Ri 3	Time: 0046 (LOCAL)
Net Event # 137	CTD # 136	not UTC
Latitude: 51 35.81 N	Longitude: 127 32.21 W	
deg min.dec	deg min.dec	
Wire out: 390	Wire angle: 0	Bottom Depth: 328
Net Type: BONGO	Tow Type: BONGO - VNH	
Flow start	Flow end	Flow = frozen
9291	11253	Non-flow = pickled

Notes:

Date: 2013-06-05	Station: Ri 4	Time: 0149 (LOCAL)
Net Event # 139	CTD # 138	not UTC
Latitude: 51 38.92 N	Longitude: 127 26.75 W	
deg min.dec	deg min.dec	
Wire out: 291	Wire angle: 0	Bottom Depth: 300
Net Type: BONGO	Tow Type: BONGO - VNH	
Flow start	Flow end	Flow = frozen
11253	2998	Non-flow = pickled

Notes:



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Cruise #: 2013-38 Vessel: TULLY

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Project(s): RIVERS INLET Contact: MOIRA

TSK Serial #: 4798

Date: 2013-06-05	Station: R15	Time: 0252	(LOCAL)
Net Event # 141	CTD # 140	not UTC	
Latitude: 50 deg	40.65 min.dec N	Longitude: 127 deg	20.03 min.dec W
Wire out: 193	Wire angle: 0	Bottom Depth: 203	
Net Type: BONGO	Tow Type: BONGO - VNH		
Flow start	Flow end	Flow = frozen	
2998	4178	Non-flow = pickled	

Notes:

Date: 05/06/13	Station: R16	Time: 0331	(LOCAL)
Net Event # 143	CTD # 142	not UTC	
Latitude: 51 deg	40.61 min.dec N	Longitude: 127 deg	17.11 min.dec W
Wire out: 136	Wire angle: 0	Bottom Depth: 146	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
4178	5090	Non-flow = pickled	

Notes:

Date: 05/06/13	Station: CPE1	Time: 0928	(LOCAL)
Net Event # 144	CTD # 145	not UTC	
Latitude: 50 deg	59.99 min.dec N	Longitude: 127 deg	49.90 min.dec W
Wire out: 141	Wire angle: 25	Bottom Depth: 146	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
5091	6115	Non-flow = pickled	

Notes:

Date: 06/06/13	Station: G201	Time: 1421	(LOCAL)
Net Event # 150/152	CTD # 151	2121 not UTC	
Latitude: 49 deg	15.12 min.dec N	Longitude: 123 deg	44.94 min.dec W
Wire out: 390	Wire angle:	Bottom Depth: 401	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
6118	8462	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #:

Vessel:

Page:

Project(s):

Contact:

TSK Serial #:

Date:	Station:	Time:	(LOCAL)
Net Event #	CTD #		not UTC
Latitude:	N	Longitude:	W
deg min.dec		deg min.dec	
Wire out:	Wire angle:	Bottom Depth:	
Net Type:	Tow Type:		
Flow start	Flow end	Flow = frozen	
		Non-flow = pickled	

Notes:

Date:	Station:	Time:	(LOCAL)
Net Event #	CTD #		not UTC
Latitude:	N	Longitude:	W
deg min.dec		deg min.dec	
Wire out:	Wire angle:	Bottom Depth:	
Net Type:	Tow Type:		
Flow start	Flow end	Flow = frozen	
		Non-flow = pickled	

Notes:

Date:	Station:	Time:	(LOCAL)
Net Event #	CTD #		not UTC
Latitude:	N	Longitude:	W
deg min.dec		deg min.dec	
Wire out:	Wire angle:	Bottom Depth:	
Net Type:	Tow Type:		
Flow start	Flow end	Flow = frozen	
		Non-flow = pickled	

Notes:

Date:	Station:	Time:	(LOCAL)
Net Event #	CTD #		not UTC
Latitude:	N	Longitude:	W
deg min.dec		deg min.dec	
Wire out:	Wire angle:	Bottom Depth:	
Net Type:	Tow Type:		
Flow start	Flow end	Flow = frozen	
		Non-flow = pickled	

Notes: