



Plankton Net Tow Log Sheet

Cruise #: 1520 Vessel: Tully Page: 1
Project(s): 809/1000 Contact: Moirg
TSK Serial #: 5300 RBR serial #: 110

Time offset = + hrs = UTC (please record local time for samples)

Date: 27 May 2015	Station: 59	Time: 1422 LOCAL
Net Event # 3	CTD # 2	2122 UTC
Latitude: 48 36.94 N	Longitude: 123 14.77 W	
deg min.dec	deg min.dec	
Wire out: 212	Wire angle: 20	Bottom Depth: 223
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
26052	27139	Non-flow = pickled

Notes: Haro St.

Date: 28 May 2015	Station: E1	Time: 03:45 LOCAL
Net Event # 91	CTD # 10	
Latitude: 48 31.787 N	Longitude: 125 3.963 W	
deg min.dec	deg min.dec	
Wire out: 105	Wire angle: 35	Bottom Depth: 115
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
27130	28230	Non-flow = pickled

Notes: high wire angle from start to finish

Date: 28 May 2015	Station: C1	Time: 06:08 LOCAL
Net Event # 16	CTD # 17	
Latitude: 48 28 88 N	Longitude: 125 15.44 W	
deg min.dec	deg min.dec	
Wire out: 140	Wire angle: 0	Bottom Depth: 152
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
28230	29070	Non-flow = pickled

Notes: 1 AEQ removed frozen side
3 EUTIN 53 removed from pickled side

Date: 28 May 2015	Station: C2	Time: 07:35 LOCAL
Net Event # 19	CTD # 18	
Latitude: 48 26.22 N	Longitude: 125 9.50 W	
deg min.dec	deg min.dec	
Wire out: 149	Wire angle: 5	Bottom Depth: 159
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
29074	30130	Non-flow = pickled

Notes: 1 AEQ removed from frozen side



Plankton Net Tow Log Sheet

Cruise #: 1520 Vessel: Tully Page: 2

Project(s): Lapw Contact: Moya

TSK Serial #: 5300 RBR serial #: 110

Time offset = +

hrs = UTC (please record local time for samples)

Date: 28 May 15	Station: C3	Time: 15:08:52 LOCAL
Net Event # 21	CTD # 20	
Latitude: 48 23.415 N	Longitude: 125 20.703 W	
deg min.dec	deg min.dec	
Wire out: 112	Wire angle: 0	Bottom Depth: 122
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
30130	30849	Non-flow = pickled

Notes:

Date: 28 May 15	Station: LB07	Time: 09:55 LOCAL
Net Event # 23	CTD # 22	
Latitude: 48 28.675 N	Longitude: 125 22.034 W	
deg min.dec	deg min.dec	
Wire out: 145	Wire angle: 0	Bottom Depth: 155
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
30850	31805	Non-flow = pickled

Notes: gadid removed from frozen, put into pickled

Date: 28 May 2015	Station: B8	Time: 11:15 LOCAL
Net Event # 25	CTD # 24	
Latitude: 48 34.485 N	Longitude: 125 29.958 W	
deg min.dec	deg min.dec	
Wire out: 111	Wire angle: 0	Bottom Depth: 121
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
31805	32531	Non-flow = pickled

Notes: Aidan picked from frozen side for diito homogenate (20 calanoids)

Date: 28 May 2015	Station: B7	Time: 12:15 LOCAL
Net Event # 27	CTD # 26	19:15 UTC
Latitude: 48 31.99 N	Longitude: 125 35.52 W	
deg min.dec	deg min.dec	
Wire out: 70	Wire angle: 0	Bottom Depth: 79
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
32531	33030	Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 1520 Vessel: TULLY Page: 3

Project(s): LAPEROUSET Contact: MOIRA

TSK Serial #: 5300 RBR serial #: 110

Time offset = + hrs = UTC (please record local time for samples)

Date: 28 May 15	Station: L308	Time: 1325 LOCAL
Net Event # 28	CTD # 29	2025 UTC
Latitude: 48° 25.31' N		Longitude: 125° 28.62' W
deg min.dec		deg min.dec
Wire out: 140	Wire angle: 0	Bottom Depth: 145
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
33030	33858	Non-flow = pickled

Notes: chito station

Date: 28 May 2015	Station: L311	Time: 1643 LOCAL
Net Event # 32	CTD # 33	2343 UTC
Latitude: 48° 15.27' N		Longitude: 125° 47.61' W
deg min.dec		deg min.dec
Wire out: 190	Wire angle:	Bottom Depth: 202
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
33858	35125	Non-flow = pickled

Notes:

Date: 29 May 2015	Station: LC12/A3.4	Time: 08:24 LOCAL
Net Event # 44	CTD # 42	
Latitude: 48° 15.060' N		Longitude: 126° 40.030' W
deg min.dec		deg min.dec
* Wire out: 250	Wire angle: 0	Bottom Depth: 2522
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
37403	37809	Non-flow = pickled

Notes: 1st cast (event 43) came up tangled - re-cast
lots of debris, some seals, 1 OCTOL removed from frozen → pickled
* winch counter read - 110 after cast → lots of swell, counter skipping

Date: 29 May 2015	Station: LC09/A3	Time: 1418 LOCAL
Net Event # 47	CTD # 48	2118 UTC
Latitude: 48° 25.90' N		Longitude: 126° 13.74' W
deg min.dec		deg min.dec
Wire out: 250	Wire angle: 5	Bottom Depth: 613
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
39810	41622	Non-flow = pickled

Notes: chito station



Plankton Net Tow Log Sheet

Cruise #: 2015-20 Vessel: Tully Page: 4

Project(s): LA Perouse Contact: MOIRA

TSK Serial #: 5300 RBR serial #: 110

Time offset = +

hrs = UTC (please record local time for samples)

Date: 29 May 2015	Station: A2	Time: 1637	LOCAL
Net Event # 50	CTD # 49		
Latitude: 48° 22.69 N	Longitude: 126° 03.85 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5	Bottom Depth: 350m	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
41622	43466	Non-flow = pickled	

Notes:

Date: 29 May 2015	Station: LC08	Time: 1820	LOCAL
Net Event # 52	CTD # 53	0120	UTC
Latitude: 48° 29.33 N	Longitude: 126° 07.04 W		
deg min.dec	deg min.dec		
Wire out: 190	Wire angle: 0	Bottom Depth: 198	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
43466	44703	Non-flow = pickled	

Notes:

Date: 29 May 2015	Station: LC06	Time: 2039	LOCAL
Net Event # 55	CTD # 56	0339	UTC
Latitude: 48° 36.44 N	Longitude: 125° 53.95 W		
deg min.dec	deg min.dec		
Wire out: 85	Wire angle: 5	Bottom Depth: 92	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
44708	45398	Non-flow = pickled	

Notes:

Date: 29 May 2015	Station: LC05	Time: 2148	LOCAL
Net Event # 57	CTD # 58	0448	UTC
Latitude: 48° 39.95 N	Longitude: 125° 42.42 W		
deg min.dec	deg min.dec		
Wire out: 55	Wire angle: 0	Bottom Depth: 65	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
45398	45830	Non-flow = pickled	

Notes: Chito taken at LC04

Event 62 LC01 - horizontal net BE : 01:06 → 01:16 1.5 km
 bottom = 96m
 wire out = 30-40m Togo
 < = 30°



Plankton Net Tow Log Sheet

Cruise #: 1520 Vessel: Tully Page: 5

Project(s): Laperouse Contact: Moira

TSK Serial #: 5300 RBR serial #: 110

Time offset = +

hrs = UTC (please record local time for samples)

Date: 30 May 2015	Station: LD02	Time: 04:09	LOCAL
Net Event # 66	CTD # 65		
Latitude: 48 58.528 N	Longitude: 125 47.25 W		
deg min.dec	deg min.dec		
Wire out: 31	Wire angle: 0	Bottom Depth: 41	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
45830	46054	Non-flow = pickled	

Notes: AER-53 removed from frozen side.

Date: 30 May 2015	Station: LD04	Time: 05:49	LOCAL
Net Event # 68	CTD # 67		
Latitude: 48 53.166 N	Longitude: 125 56.996 W		
deg min.dec	deg min.dec		
Wire out: 51	Wire angle: 5	Bottom Depth: 61	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
46055	46450	Non-flow = pickled	

Notes: chito station

Date: 30 May 2015	Station: LD09	Time: 1203	LOCAL
Net Event # 75	CTD # 74	1903	UTC
Latitude: 48 35.66 N	Longitude: 126 29.98 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 1049	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
46452	47968	Non-flow = pickled	

Notes: FULL of doliolids. 2x 500 ml to pickle

Date: 30 May 15	Station: LD11	Time: 1608	LOCAL
Net Event # 79	CTD # 78		
Latitude: 48 28.69 N	Longitude: 126 42.99 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 1583	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
47968	49792	Non-flow = pickled	

Notes:

chito station



Plankton Net Tow Log Sheet

Cruise #: 1520 Vessel: Tully Page: 6

Project(s): Laperouse Contact: Moira

TSK Serial #: 5300 RBR serial #: 110

Time offset = + hrs = UTC (please record local time for samples)

Date: 31 May 2015	Station: LG09	Time: 02:26	LOCAL
Net Event # 83	CTD # 81		
Latitude: 48 51.191 N	Longitude: 127 19.384 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 2051	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
49794	51186	Non-flow = pickled	

Notes: lots of doliolids. removed 2 salps from pickled. S. aspera solitary?
Brown. 2-500 ml jars

Date: 31 May 2015	Station: LG07	Time: 06:38	LOCAL
Net Event # 86	CTD # 85		
Latitude: 48 59.400 N	Longitude: 127 07.121 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth:	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
51185	52620	Non-flow = pickled	

Notes: 1-500ml jar
very brown

Date: 31 May 2015	Station: LG04	Time: 10:34	LOCAL
Net Event # 90	CTD # 89		
Latitude: 49 11.391 N	Longitude: 126 49.421 W		
deg min.dec	deg min.dec		
Wire out: 134	Wire angle: 0	Bottom Depth: 145	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
52620	53395	Non-flow = pickled	

Notes:

Date: 31 May 2015	Station: LG02	Time: 12:34	LOCAL
Net Event # 93	CTD # 92		
Latitude: 49 18.61 N	Longitude: 126 38.18 W		
deg min.dec	deg min.dec		
Wire out: 91	Wire angle: 15	Bottom Depth: 101	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
53397	54055	Non-flow = pickled	

Notes: Chito station



Plankton Net Tow Log Sheet

Cruise #: 2015-20 Vessel: TULLY Page: 7

Project(s): LA PEROUSE Contact: MOIRA

TSK Serial #: 5300 RBR serial #: 110

Time offset = + hrs = UTC (please record local time for samples)

Date: 31 MAY 2015	Station: L502	Time: 1729 LOCAL
Net Event # 100	CTD # 99	0029
Latitude: 49° 42.62 N	Longitude: 127° 05.26 W	
deg min.dec	deg min.dec	
Wire out: 75	Wire angle: 8	Bottom Depth: 81
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
54055	54520	Non-flow = pickled

Notes:

Date: 31 MAY 15	Station: L504	Time: 1917h LOCAL
Net Event # 103	CTD # 102	0217 UTC
Latitude: 49° 35.60 N	Longitude: 127° 16.88 W	
deg min.dec	deg min.dec	
Wire out: 145m	Wire angle: 14	Bottom Depth: 159
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
54520	55408	Non-flow = pickled

Notes:

Date: 31 MAY 15	Station: L506	Time: 2214 LOCAL
Net Event # 106	CTD # 107	0514 UTC
Latitude: 49° 27.87 N	Longitude: 127° 28.54 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 1026
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
55408	56808	Non-flow = pickled

Notes:

Date: 1 June 2015	Station: L509	Time: 02:46 LOCAL
Net Event # 110	CTD # 111	
Latitude: 49° 16.101 N	Longitude: 127° 47.255 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 2481
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
56909	58440	Non-flow = pickled

Notes:

Corolla + larval fish (Nansenia?) removed frozen → pickled.



Plankton Net Tow Log Sheet

Cruise #: 1520 Vessel: Tully Page: 8

Project(s): Laperouse Contact: Moira

TSK Serial #: 5300 RBR serial #: 110

Time offset = +

hrs = UTC (please record local time for samples)

Date: 01 June 2015	Station: LBP7	Time: 1430	LOCAL
Net Event # 116	CTD # 115		
Latitude: 49° 52.36 N	Longitude: 128° 11.18 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 8	Bottom Depth: 2180	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
58440	59760	Non-flow = pickled	

Notes:

Date: June 1/15	Station: LBP5	Time: 1813	LOCAL
Net Event # 119	CTD # 118		
Latitude: 49° 59.94 N	Longitude: 127° 59.98 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 1272 m	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
59760	61208	Non-flow = pickled	

Notes:

Date: 01.06.15	Station: LBP3	Time: 20:46	LOCAL
Net Event # 122	CTD # 121		
Latitude: 50° 03.23 N	Longitude: 127° 55.32 W		
deg min.dec	deg min.dec		
Wire out: 154	Wire angle: 45	Bottom Depth: 165	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
61208	62130	Non-flow = pickled	

Notes:

chito str

Date: 01.06.15	Station: LBP2	Time: 21:32	LOCAL
Net Event # 124	CTD # 123		
Latitude: 50° 04.03 N	Longitude: 127° 54.22 W		
deg min.dec	deg min.dec		
Wire out: 87	Wire angle: 5	Bottom Depth: 98	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
62130	62776	Non-flow = pickled	

Notes:

22 June 2015 Fish Net Quatsino
event # 126



Plankton Net Tow Log Sheet

Cruise #: 1520 Vessel: Tully Page: 9

Project(s): Laperouse Contact: Moira

TSK Serial #: 5300 RBR serial #: 110

Time offset = +

hrs = UTC (please record local time for samples)

Date: 2 June 2015	Station: CPE2	Time: 04:57	LOCAL
Net Event # 128	CTD # 127		
Latitude: 50 42.982 N		Longitude: 128 40.077 W	
deg min.dec		deg min.dec	
Wire out: 113	Wire angle: 10	Bottom Depth: 123	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
62679	63333	Non-flow = pickled	

Notes: double-checked start → is 62679
1 Lg MIOCE removed pickled

Date: 2 June 2015	Station: LQ03	Time: 07:37	LOCAL
Net Event # 131	CTD # 130		
Latitude: 50 39.71 N		Longitude: 129 2.07 W	
deg min.dec		deg min.dec	
Wire out: 250	Wire angle: 15	Bottom Depth: 1313	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
63333	64640	Non-flow = pickled	

Notes: squid in pickled side. 2 types.

Date: 2 June 2015	Station: J122	Time: 9:59	LOCAL
Net Event # 133	CTD # 132		
Latitude: 50 39.831 N		Longitude: 129 17.323 W	
deg min.dec		deg min.dec	
Wire out: 250	Wire angle: 10	Bottom Depth: 1373	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
64640	66061	Non-flow = pickled	

Notes: 6 MIOCE, 1 Sal removed pickled.
1 squid transferred frozen → pickled C+R Goniatites 5 sp.

Date: 02 06 15	Station: CS00	Time: 1449	LOCAL
Net Event # 135	CTD # 134		
Latitude: 50° 27.69 N		Longitude: 129° 55-11' W	
deg min.dec		deg min.dec	
Wire out: 250	Wire angle: 5	Bottom Depth: 2168	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
66064	67558	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2015-20 Vessel: JPTULLY Page: 10

Project(s): CS LINE Contact: MOIRA

TSK Serial #: 5300 RBR serial #: 110

Time offset = +

hrs = UTC (please record local time for samples)

Date: 02-06-15	Station: C501	Time: 2017	LOCAL
Net Event # 138	CTD # 137	0317	UTC
Latitude: 50° 34.82 N	Longitude: 129° 41.62 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5	Bottom Depth: 2104	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
67560	68980	Non-flow = pickled	

Notes: 1 OCTO RELEASED - PICTURES

Date: 02-06-2015	Station: C502	Time: 23:09	LOCAL
Net Event # 141	CTD # 140		
Latitude: 50° 41.20 N	Longitude: 129° 28.23 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5°-10°	Bottom Depth: 1902	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
68980	70392	Non-flow = pickled	

Notes: chito station

Date: 3 Jun 2015	Station: C503	Time: 00:30	LOCAL
Net Event # 143	CTD # 142		
Latitude: 50 45.648 N	Longitude: 129 19.909 W		
deg min.dec	deg min.dec		
Wire out: 225	Wire angle: 0	Bottom Depth: 235	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
70395	71672	Non-flow = pickled	

Notes: 2 SOLMISSUS S3 removed from pickled

Date: 3 June 2015	Station: C504	Time: 01:43	LOCAL
Net Event # 145	CTD # 144		
Latitude: 50 49.23 N	Longitude: 129 12.96 W		
deg min.dec	deg min.dec		
Wire out: 86	Wire angle: 5	Bottom Depth: 96	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
71671	72120	Non-flow = pickled	

Notes: transferred larval fish from frozen → pickled



Plankton Net Tow Log Sheet

Cruise #: 1520 Vessel: Tully Page: 11
Project(s): Laparose Contact: Moira
TSK Serial #: 5300 RBR serial #: 110
Time offset = + hrs = UTC (please record local time for samples)

Date: 3 June 2015	Station: newDAS	Time: 06:48	LOCAL
Net Event # 148	CTD # 147		
Latitude: 50 56.382 N	Longitude: 129 58.796 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 2100	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
72120	73500	Non-flow = pickled	

Notes:

Date: 3 June 2015	Station: CSB	Time: 12:06	LOCAL
Net Event # 151	CTD # 150	1906	UT
Latitude: 51 00.01 N	Longitude: 129 26.93 W		
deg min.dec	deg min.dec		
Wire out: 210	Wire angle: 0	Bottom Depth: 218	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
73500	74825	Non-flow = pickled	

Notes:

Date: 03-06-15	Station: CS05	Time: 14:08	LOCAL
Net Event # 154	CTD # 153		
Latitude: 50 55.94 N	Longitude: 128 59.87 W		
deg min.dec	deg min.dec		
Wire out:	Wire angle:	Bottom Depth: 65	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
74825	75121	Non-flow = pickled	

Notes:

Date: 03-06-15	Station: CS18	Time: 15:40	LOCAL
Net Event # 156	CTD # 155		
Latitude: 50 53.06 N	Longitude: 128 40.09 W		
deg min.dec	deg min.dec		
Wire out: 70m	Wire angle: 0	Bottom Depth: 75m	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
75121	75520	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: ~~2015-20~~ 2015-20 Vessel: Tully Page: 12

Project(s): La Perouse Contact: Moira

TSK Serial #: 5300 RBR serial #: 110

Time offset = +

hrs = UTC (please record local time for samples)

Date: 03-06-2015	Station: C506	Time: 17:35	LOCAL
Net Event # 158	CTD # 157		
Latitude: 50° 59.99 N	Longitude: 128° 51.96 W		
deg min.dec	deg min.dec		
Wire out: 59m	Wire angle: 25°	Bottom Depth: 65m	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
75520	76108	Non-flow = pickled	

Notes: Sorry for the sloppiness! J.D.

Date: 03-06-15	Station: C507	Time: 1844	LOCAL
Net Event # 160	CTD # 159	0144	UTC
Latitude: 51° 04.48 N	Longitude: 128° 43.98 W		
deg min.dec	deg min.dec		
Wire out: 59	Wire angle: 20	Bottom Depth: 64	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
76108	76620	Non-flow = pickled	

Notes:

→

Date: 03-06-15	Station: C508	Time: 1953	LOCAL
Net Event #	CTD #	0253	UTC
Latitude: 51° 08.29 N	Longitude: 128° 35.96 W		
deg min.dec	deg min.dec		
Wire out: 130	Wire angle: 15	Bottom Depth: 140	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
76620	77372	Non-flow = pickled	

Notes: entered as 162

Date: 3 Jun 2015	Station: C509	Time: 21:10	LOCAL
Net Event # 164	CTD # 163	0410	UTC
Latitude: 51° 12.40' N	Longitude: 128° 28.02' W		
deg min.dec	deg min.dec		
Wire out: 185	Wire angle: 5°	Bottom Depth: 195	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
77372	78408	Non-flow = pickled	

Notes: chito station



Plankton Net Tow Log Sheet

Cruise #: 2015-20 Vessel: JPTULLY Page: 13

Project(s): LA PEROUSE Contact: MORA

TSK Serial #: 5300 RBR serial #: 110

Time offset = + hrs = UTC (please record local time for samples)

Date: 03-06-15	Station: C510	Time: 22:20	LOCAL
Net Event # 166	CTD # 165		
Latitude: 51° 16.64	N	Longitude: 128° 20.10	W
deg min.dec		deg min.dec	
Wire out: 75	Wire angle: 5	Bottom Depth: 80m	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
78408	78838	Non-flow = pickled	

Notes:

Date: 4 June 2015	Station: SS3	Time: 02:56	LOCAL
Net Event # 168	CTD # 167		
Latitude: 51 14.973	N	Longitude: 129 21.232	W
deg min.dec		deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 290	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
78840	80351	Non-flow = pickled	

Notes: large Berce removed from frozen side
3 Leibi s2 removed from pickled side + froze -80 for UVic

Date: 4 June 2015	Station: SS4	Time: 05:02	LOCAL
Net Event # 171	CTD # 170		
Latitude: 51 20.920	N	Longitude: 129 0.021	W
deg min.dec		deg min.dec	
Wire out: 230	Wire angle: 0	Bottom Depth: 240	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen 95% EtOH *	
80351	81751	Non-flow = pickled	

Notes: 6 MIOCE removed from pickled (form)
5 MIOCE removed from EtOH side

Date: 4 June 2015	Station: SSS	Time: 07:31	LOCAL
Net Event # 172	CTD # 173		
Latitude: 51 27.885	N	Longitude: 128 29.928	W
deg min.dec		deg min.dec	
Wire out: 188	Wire angle: 0	Bottom Depth: 198	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
81752	82939	Non-flow = pickled	

Notes: 1 ACE, 1 MIOCE S3 removed from pickled.

entered



Plankton Net Tow Log Sheet

Cruise #: 1520 Vessel: Tully Page: 14
Project(s): Laperouse Contact: Moira
TSK Serial #: 5300 RBR serial #: 110

Time offset = + hrs = UTC (please record local time for samples)

Date: 4 June 2015	Station: SS6	Time: 1024 LOCAL
Net Event # 175	CTD # 174	1724 UTC
Latitude: 51° 20.06 N	Longitude: 127° 59.96 W	
deg min.dec	deg min.dec	
Wire out: 165	Wire angle: 0	Bottom Depth: 175
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
82938	83900	Non-flow = pickled

Notes:

Date: 4 June 2015	Station: SS7	Time: 1207 LOCAL
Net Event # 177	CTD # 176	1907 UTC
Latitude: 51° 24.73 N	Longitude: 127° 47.59 W	
deg min.dec	deg min.dec	
Wire out: 115	Wire angle: 0	Bottom Depth: 123
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
83900	84512	Non-flow = pickled

Notes:

Date: 04.06.15	Station: UBC7	Time: 1316 LOCAL
Net Event # 179	CTD # 178	2016 UTC
Latitude: 51° 29.96 N	Longitude: 127° 48.98 W	
deg min.dec	deg min.dec	
Wire out: 153	Wire angle: 4	Bottom Depth: 158
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
84512	85320	Non-flow = pickled

Notes:

Date: 04.06.15	Station: R11	Time: 1449 LOCAL
Net Event # 181	CTD # 180	2149 UTC
Latitude: 51° 26.46 N	Longitude: 127° 38.33 W	
deg min.dec	deg min.dec	
Wire out: 300	Wire angle: 0	Bottom Depth: 307
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
85320	86908	Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2015-20 Vessel: Tully Page: 15

Project(s): LA Perouse Contact: MOIRA

TSK Serial #: 5300 RBR serial #: 110

Time offset = + hrs = UTC (please record local time for samples)

Date: 4 June 2015	Station: 202	Time: 1619 LOCAL
Net Event # 183	CTD # 182	2319 UTZ
Latitude: 51° 31.15' N	Longitude: 127° 33.59' W	
deg min.dec	deg min.dec	
Wire out: 320	Wire angle: 0	Bottom Depth: 325
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
86908	88569	Non-flow = pickled

Notes: Chito station

Date: 4 June 2015	Station: R: 3	Time: 1803 LOCAL
Net Event # 186	CTD # 185	127° 32.19' W
Latitude: 51° 35.79' N	Longitude: 127° 32.20' W	
deg min.dec	deg min.dec	
Wire out: 320	Wire angle: 0	Bottom Depth: 325
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
88569	90255	Non-flow = pickled

Notes:

Date: 04.06.15	Station: R: 4	Time: 1918 LOCAL
Net Event # 188	CTD # 187	
Latitude: 51° 38.93' N	Longitude: 127° 26.99' W	
deg min.dec	deg min.dec	
Wire out: 290	Wire angle: 0	Bottom Depth: 297
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
90255	91863	Non-flow = pickled

Notes:

Date: 04.06.15	Station: R: 5	Time: 2032 LOCAL
Net Event # 190	CTD # 189	0332
Latitude: 51° 40.65' N	Longitude: 127° 20.15' W	
deg min.dec	deg min.dec	
Wire out: 195	Wire angle: 0	Bottom Depth: 200
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
91863	92918	Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2015-20 Vessel: JP Tully Page: 16

Project(s): LAPEROUSE Contact: Moira

TSK Serial #: 5300 RBR serial #: 110

Time offset = +

hrs = UTC (please record local time for samples)

Date: 04-06-15	Station: RIG	Time: 2121	LOCAL
Net Event # 192	CTD # 191	0421 UTC	
Latitude: 51° 40.51 N	Longitude: 127° 17.08 W		
deg min.dec	deg min.dec		
Wire out: 135	Wire angle: 8	Bottom Depth: 141	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
92918	93645	Non-flow = pickled	

Notes:

Date: 05 June 2015	Station: CPE1	Time: 3:36	LOCAL
Net Event # 194	CTD # 193		
Latitude: 50 59.940 N	Longitude: 127 49.964 W		
deg min.dec	deg min.dec		
Wire out: 146	Wire angle: 5	Bottom Depth: 156	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
93644	94399	Non-flow = pickled	

Notes: little fish jumping at surface

Date: 05 June 2015	Station:	Time:	LOCAL
Net Event #	CTD #		
Latitude:	N	Longitude:	W
deg min.dec		deg min.dec	
Wire out:	Wire angle:	Bottom Depth:	
Net Type: Ring	Tow Type: surface		
Flow start	Flow end	Flow = frozen	
		Non-flow = pickled	

Notes: Sea Lice Sampling 0730-0845 Port Hardy
3 Marine Harvest Sites: Duncan, Bell + Doyle

Date: 05-06-2015	Station: 14	Time: 23:06	LOCAL
Net Event # 198	CTD # 197		
Latitude: 49° 53.04 N	Longitude: 124° 59.79 W		
deg min.dec	deg min.dec		
Wire out: 305	Wire angle: 8°	Bottom Depth: 313	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
94399	106095	Non-flow = pickled	

Notes:

✓9



Plankton Net Tow Log Sheet

Cruise #: 1520 Vessel: Tully Page: 17

Project(s): Laperouse Contact: Moira

TSK Serial #: 5300 RBR serial #: 116

Time offset = +

hrs = UTC (please record local time for samples)

Date: 6 June 2015	Station: 11	Time: 01:37	LOCAL
Net Event # 200	CTD # 199		
Latitude: 49 42.391 N	Longitude: 124 43.386 W		
deg min.dec	deg min.dec		
Wire out: 289	Wire angle: 0	Bottom Depth: 299	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	952 ETOH *
96099	97632	Non-flow = pickled	

Notes: 17°C at 0-10m!

Date: 6 June 2015	Station: CPF2	Time: 04:05	LOCAL
Net Event # 202	CTD # 201		
Latitude: 49 27.939 N	Longitude: 124 29.996 W		
deg min.dec	deg min.dec		
Wire out: 315	Wire angle: 0	Bottom Depth: 325	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
97815	99465	Non-flow = pickled	

Notes: full chaetoceros. 500m jar. 1 AEGS3 removed from pickled
some Thassiothrix Large AEGS floating at surface

Date: 6 June 2015	Station: CPF1	Time: 06:25	LOCAL
Net Event # 204	CTD # 203		
Latitude: 49 22.001 N	Longitude: 124 5.054 W		
deg min.dec	deg min.dec		
Wire out: 233	Wire angle: 0	Bottom Depth: 243	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
99465	100594	Non-flow = pickled	

Notes:

entered

Date: 6 June 2015	Station: 22	Time: 09:26	LOCAL
Net Event # 206	CTD # 205		
Latitude: 49 40.187 N	Longitude: 124 16.302 W		
deg min.dec	deg min.dec		
Wire out: 342	Wire angle: 0	Bottom Depth: 352	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
650	2465	Non-flow = pickled	

Notes:

* messed up preservation - put 1/2 green + full red bucket into formalin. Last 1/2 green frozen. apps.



Plankton Net Tow Log Sheet

Cruise #: 1520 Vessel: Tully Page: 18

Project(s): Laperouse Contact: Moira

TSK Serial #: 5300 RBR serial #: 110

Time offset = + hrs = UTC (please record local time for samples)

Date: 6 June 2015	Station: 24	Time: 1128 LOCAL
Net Event # 208	CTD # 207	1828 UTC
Latitude: 49° 30.25' N	Longitude: 124° 05.89' W	
deg min.dec	deg min.dec	
Wire out: 411	Wire angle: 0	Bottom Depth: 426
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
2465	4639	Non-flow = pickled

Notes:

Date: 6 June 2015	Station: 28	Time: 1327 LOCAL
Net Event # 210	CTD # 209	2027 UTC
Latitude: 49° 24.10' N	Longitude: 123° 45.30' W	
deg min.dec	deg min.dec	
Wire out:	Wire angle: 0	Bottom Depth: 132
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
4639	5280	Non-flow = pickled

Notes:

Date: 06.06.15	Station: GEO1	Time: 1511 LOCAL
Net Event # 212	CTD # 211	2211 UTC
Latitude: 49° 14.96' N	Longitude: 123° 44.99' W	
deg min.dec	deg min.dec	
Wire out: 390	Wire angle: 0	Bottom Depth: 396
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
5280	7328	Non-flow = pickled

Notes:

Date: 6 June 2015	Station: 38	Time: 1806 LOCAL
Net Event # 215	CTD # 214	0106 UTC
Latitude: 49° 12.10' N	Longitude: 123° 26.37' W	
deg min.dec	deg min.dec	
Wire out: 298	Wire angle: 10	Bottom Depth: 304
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
7328	8960	Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2015-20 Vessel: TULLY Page: 19

Project(s): La Perouse Contact: MOIRA

TSK Serial #: 5300 RBR serial #: 110

Time offset = +

hrs = UTC (please record local time for samples)

Date: 6 Jun 2015	Station: 41	Time: 1945 LOCAL
Net Event # 217	CTD # 216	0244 UTC
Latitude: 49° 03.35' N	Longitude: 123° 22.32' W	
deg min.dec	deg min.dec	
Wire out: 230	Wire angle: 18	Bottom Depth: 240
Net Type: B020	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
8960	10470	Non-flow = pickled

Notes:

Date:	Station:	Time: LOCAL
Net Event #	CTD #	
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 #	
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 #	
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: