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Plankton Net Tow Log Sheet

Cruise #: 2015-21 **Vessel:** TULLY **Page:** 15

Project(s): LA PEROUSE-SOG **Contact:** MOIRA

TSK Serial #: 5300 **RBR serial #:** 108

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

Date: 13 SEPT 2015	Station: CPF1		Time: 1657	**LOCAL**
Net Event # 152	CTD # 151		2357	UTC
Latitude: 49 deg	21.79 N min.dec	Longitude: 124 deg	05.11 W min.dec	
Wire out: 245	Wire angle: 0		Bottom Depth: 255	
Net Type: BONGO	Tow Type: VNH			
Flow start	Flow end		Flow = frozen	
8395	9688		Non-flow = pickled	

Notes:

Date: 13 Sept 15	Station: 22		Time: 2011	**LOCAL**
Net Event # 154	CTD # 153			
Latitude: 49 deg	40.12 N min.dec	Longitude: 124 deg	16.20 W min.dec	
Wire out: 345	Wire angle: 0°		Bottom Depth: 350	
Net Type: BONGO	Tow Type: VNH			
Flow start	Flow end		Flow = frozen	
9688	11498		Non-flow = pickled	

Notes:

Date: 13 SEPT 2015	Station: 24		Time: 2152	**LOCAL**
Net Event # 155	CTD # 156		0449	UTC
Latitude: 49 deg	30.25 N min.dec	Longitude: 124 deg	05.88 W min.dec	
Wire out: 420	Wire angle: 0		Bottom Depth: 425	
Net Type: BONGO	Tow Type: VNH			
Flow start	Flow end		Flow = frozen	
11498	14062		Non-flow = pickled	

Notes:

Date: 14 Sept 2015	Station: 28		Time: 00:21	**LOCAL**
Net Event # 158	CTD # 157		07	
Latitude: 49 deg	24.07 N min.dec	Longitude: 123 deg	45.17 W min.dec	
Wire out: 129	Wire angle: 0		Bottom Depth: 137	
Net Type: B	Tow Type: VNH			
Flow start	Flow end		Flow = frozen	
14062	14835		Non-flow = pickled	

Notes:

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Cruise #: 1521 **Vessel:** Tully **Page:** 16

Project(s): Laperouse · SoG **Contact:** Moira

TSK Serial #: 5300 **RBR serial #:** 108

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

Date: 14 Sept 2015	Station: GEO1		Time: 0145		**LOCAL**
Net Event # 159	CTD # 160		0845		
Latitude: 49 deg	14.93 min.dec	N	Longitude: 123 deg	44.92 min.dec	W
Wire out: 395	Wire angle: 0		Bottom Depth: 400		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
14835	17179		Non-flow = pickled		

Notes: picked Neopl for SI from frozen side - 25 CS

Date: 14 Sept 2015	Station: 38		Time: 0523		**LOCAL**
Net Event # 163	CTD # 162		1223		
Latitude: 49 deg	12.09 min.dec	N	Longitude: 123 deg	26.42 min.dec	W
Wire out: 298	Wire angle: 0		Bottom Depth: 303		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
17179	18764		Non-flow = pickled		

Notes:

Date: 14 Sept 2015	Station: 41		Time: 7 10		**LOCAL**
Net Event # 165	CTD # 164		14:10		UTC
Latitude: 49° 03.35 deg	min.dec	N	Longitude: 123° deg	22.43 min.dec	W
Wire out: 241	Wire angle: 0		Bottom Depth: 246m		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
18764	20101		Non-flow = pickled		

Notes:

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

Notes:

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Cruise #: 2015-21 **Vessel:** Tully **Page:** 14

Project(s): Laperouse-Soq **Contact:** Moira

TSK Serial #: 5300 **RBR serial #:** 108

Time offset = + 7 **hrs = UTC** (please record local time for samples)

Date: 12 Sept 2015	Station: CPE1		Time: 0840	**LOCAL**
Net Event # 144	CTD # 143		1540	
Latitude: 51° 00.02 N (deg / min.dec)		Longitude: 127° 50.22 W (deg / min.dec)		
Wire out: 135	Wire angle: 8		Bottom Depth: 140	
Net Type: B	Tow Type: VNH			
Flow start	Flow end		Flow = frozen	
2199.	3341		Non-flow = pickled	

Notes: ~~30 Calma, 20 Neopl picked for St~~ Cnt.

Date: 13 Sept 2015	Station: 14		Time: 940	**LOCAL**
Net Event # 146	CTD # 145		1640	
Latitude: 49 52.98' N (deg / min.dec)		Longitude: 124 59.58 W (deg / min.dec)		
Wire out: 306	Wire angle:		Bottom Depth: 312	
Net Type: B	Tow Type: VNH			
Flow start	Flow end		Flow = frozen	
3341	5066		Non-flow = pickled	

Notes:

Date: 13 Sept 2015	Station: 11		Time: 1152	**LOCAL**
Net Event # 148	CTD # 147		18:52 UTC	
Latitude: 49 42 38 N (deg / min.dec)		Longitude: 124 43.27 W (deg / min.dec)		
Wire out: 290	Wire angle: 0		Bottom Depth: 296	
Net Type: B	Tow Type: VNH			
Flow start	Flow end		Flow = frozen	
5065	6710		Non-flow = pickled	

Notes:

Date: 13 Sept 2015	Station: CPF2		Time: 1422	**LOCAL**
Net Event # 150	CTD # 149		2122 UTC	
Latitude: 49 27.89 N (deg / min.dec)		Longitude: 124 29.96 W (deg / min.dec)		
Wire out: 320	Wire angle: 0		Bottom Depth: 325	
Net Type: Bongo	Tow Type: VNH			
Flow start	Flow end		Flow = frozen	
6710	8395		Non-flow = pickled	

Notes: 30 CALMA, 20 NEOPL FOR UVIC - ISOTOPES MINUS 80°C

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Cruise #: 2015-21 **Vessel:** Tully **Page:** 13

Project(s): La Perouse **Contact:** Moira

TSK Serial #: 5300 **RBR serial #:** 108

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

Date: 11-09-2015	Station: SS7	Time: 2232	**LOCAL**
Net Event # 136	CTD # 135	0532	UTC
Latitude: 51° 24 66 N (deg / min.dec)		Longitude: 127 47 56 W (deg / min.dec)	
Wire out: 118	Wire angle: 20	Bottom Depth: 123	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
97035	97835	Non-flow = pickled	

Notes:

Date: 11 Sept 2015	Station: UBC 7	Time: 2343	**LOCAL**
Net Event # 138	CTD # 137	0643	UTC
Latitude: 51 30.00 N (deg / min.dec)		Longitude: 127 49.00 W (deg / min.dec)	
Wire out: 155	Wire angle: 0	Bottom Depth: 161	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
97835	98646	Non-flow = pickled	

Notes:

Date: 12 Sept 2015	Station: Ri 1	Time: 0131	**LOCAL**
Net Event # 140	CTD # 139	0831	
Latitude: 51 26.39 N (deg / min.dec)		Longitude: 127 38.31 W (deg / min.dec)	
Wire out: 315	Wire angle: 0	Bottom Depth: 323	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
98646	100396	Non-flow = pickled	

Notes: 1 MYOCE ren from pickled

Date: 12 Sept 2015	Station: Ri 2	Time: 0250	**LOCAL**
Net Event # 142	CTD # 141	0950	
Latitude: 51 31.26 N (deg / min.dec)		Longitude: 127 33.54 W (deg / min.dec)	
Wire out: 325	Wire angle: 0	Bottom Depth: 330	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
100396	102198	Non-flow = pickled	

Notes:

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Cruise #: 2015-21 **Vessel:** Tully **Page:** 12

Project(s): La Perouse **Contact:** Moira

TSK Serial #: 5300 **RBR serial #:** 108

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

Date: 11/09/15	Station: 553		Time: 12:49	**LOCAL**	
Net Event # 128	CTD # 127		19:49	UTC	
Latitude: 51° 14.99 N		Longitude: 129° 21.20 W			
deg min.dec		deg min.dec			
Wire out: 285m	Wire angle: 0°		Bottom Depth: 290m		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
91435	93489		Non-flow = pickled		

Notes:

Date: 11/09/15	Station: 554		Time: 15:13	**LOCAL**	
Net Event # 130	CTD # 129		22:13	UTC	
Latitude: 51° 20.95 N		Longitude: 129° 00.08 W			
deg min.dec		deg min.dec			
Wire out: 235	Wire angle: 0°		Bottom Depth: 239m		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
93489	94834		Non-flow = pickled		

Notes:

Date: 11/09/15	Station: 555		Time: 1805	**LOCAL**	
Net Event # 132	CTD # 131		0105	UTC	
Latitude: 51° 28.02 N		Longitude: 128° 30.06 W			
deg min.dec		deg min.dec			
Wire out: 192	Wire angle:		Bottom Depth: 198		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
94834	95948		Non-flow = pickled		

Notes:

Date: 11/9/15	Station: 556		Time: 2053	**LOCAL**	
Net Event # 134	CTD # 133		0353	UTC	
Latitude: 51° 20.10 N		Longitude: 127° 59.98 W			
deg min.dec		deg min.dec			
Wire out: 170	Wire angle: 15		Bottom Depth: 176		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
95948	97035		Non-flow = pickled		

Notes:

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Cruise #: 1521 **Vessel:** Tully **Page:** 11

Project(s): Laperouse **Contact:** Moira

TSK Serial #: 5300 **RBR serial #:** 108

Time offset = + 7 **hrs = UTC (please record local time for samples)**

Date: 11 Sept 2015	Station: CS07		Time: 04:11		**LOCAL**
Net Event # 120	CTD # 119				
Latitude: 51° 4. N		Longitude: 128° 44 W			
deg	min.dec		deg	min.dec	
Wire out: 58	Wire angle: 20		Bottom Depth: 64		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
88295	88870		Non-flow = pickled		

Notes: 6 MIOCE removed pickled

Date: 11 Sept 2015	Station: CS08		Time: 517		**LOCAL**
Net Event # 122	CTD # 121		1217		
Latitude: 51° 08.47 N		Longitude: 128° 36.02 W			
deg	min.dec		deg	min.dec	
Wire out: 137	Wire angle: 10		Bottom Depth: 142		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
88870	89937		Non-flow = pickled		

Notes: 1 MIOCE rem pickled

Date: 11 Sept 2015	Station: CS09		Time: 6:28		**LOCAL**
Net Event # 123	CTD # 124		13:28		
Latitude: 51° 12.47 N		Longitude: 128° 28.05 W			
deg	min.dec		deg	min.dec	
Wire out: 187	Wire angle: 0		Bottom Depth: 191		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
89835	90895		Non-flow = pickled		

Notes:

Date: 11 Sept 2015	Station: CS10		Time: 858		**LOCAL**
Net Event # 126	CTD # 125		1508		
Latitude: 51° 16.53 N		Longitude: 128 19.95 W			
deg	min.dec		deg	min.dec	
Wire out: 73	Wire angle: 10		Bottom Depth: 78		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
90895	91435		Non-flow = pickled		

Notes: Lots of phyto - including Coscinodiscus, Chaetoceros sp., 4 MIOCE rem pickled. Bacteriastrum sp. + some pennate diatoms

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Cruise #: 2015-21 **Vessel:** J P TULLY **Page:** 10

Project(s): LAPEROUSE **Contact:** MOIRA

TSK Serial #: 5300 **RBR serial #:** 108

Time offset = + 7 **hrs = UTC** (please record local time for samples)

Date: 10.09.15	Station: CS3B	Time: 2055 **LOCAL**
Net Event # 112	CTD # 111	0355 UTC
Latitude: 50° 59.94 N (deg / min.dec)	Longitude: 129° 26.98 W (deg / min.dec)	
Wire out: 210	Wire angle: 18	Bottom Depth: 218
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
85580	86920	Non-flow = pickled

Notes:

Date: 10.09.15	Station: CS05	Time: 2316 **LOCAL**
Net Event # 114	CTD # 113	0616 UTC
Latitude: 50° 56.01 N (deg / min.dec)	Longitude: 128° 59.96 W (deg / min.dec)	
Wire out: 60	Wire angle: 5	Bottom Depth: 64
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
86920	87268	Non-flow = pickled

Notes:

Date: 11 Sept 2015	Station: CS1B	Time: 1:11 **LOCAL**
Net Event # 116	CTD # 115	8:11
Latitude: 50° 53.01 N (deg / min.dec)	Longitude: 128° 40.00 W (deg / min.dec)	
Wire out: 69	Wire angle: 10	Bottom Depth: 74
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
87270	87745	Non-flow = pickled

Notes: removed 3 MOCE from pickled

Date: 11 Sept	Station: CS06.	Time: 0239 **LOCAL**
Net Event # 117	CTD # 118	0939
Latitude: 50 59.96 N (deg / min.dec)	Longitude: 128 51.81 W (deg / min.dec)	
Wire out: 60	Wire angle: 10	Bottom Depth: 65
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
87740	88295	Non-flow = pickled

Notes: high wire angle (35-40°) at start

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Cruise #: 1521 **Vessel:** Tully **Page:** 9

Project(s): Laperouse **Contact:** Moira

TSK Serial #: 5300 **RBR serial #:** 108

Time offset = + 7 **hrs = UTC (please record local time for samples)**

Date: 10 Sept 2015	Station: CS02		Time: 10:21		**LOCAL**
Net Event # 102	CTD # 103		17:21		
Latitude: 50° 41.36 N		Longitude: 129° 28.10 W			
deg	min.dec		deg	min.dec	
Wire out: 250	Wire angle: 10		Bottom Depth: 1894		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
79686	81660.		Non-flow = pickled		

Notes: Mola mola sighted around ship during CTD cast

Date: 10 Sept 2015	Station: LQ03		Time: 15:05		**LOCAL**
Net Event # 106	CTD # 105		22:05	UTC	
Latitude: 50° 39.75 N		Longitude: 129° 02.12 W			
deg	min.dec		deg	min.dec	
Wire out: 250	Wire angle: 0°		Bottom Depth: 1296		
Net Type: B	Tow Type: VNH				
Flow start 81160	Flow end 83380		Flow = frozen		
			Non-flow = pickled		

Notes: Lots of birds!

Date: 10 Sept 15	Station: CS03		Time: 1706		**LOCAL**
Net Event # 107	CTD # 108		0006	UTC	
Latitude: 50° 45.63 N		Longitude: 129° 19.98 W			
deg	min.dec		deg	min.dec	
Wire out: 210	Wire angle: 5		Bottom Depth: 216		
Net Type: BONGO	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
83380	84604		Non-flow = pickled		

Notes:

Date: 10.09.15	Station: CS04		Time: 1848		**LOCAL**
Net Event # 110	CTD # 109				
Latitude: 50° 49.46 N		Longitude: 129° 13.24 W			
deg	min.dec		deg	min.dec	
Wire out: 90	Wire angle: 30°		Bottom Depth: 96		
Net Type: BONGO	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
84604	85580		Non-flow = pickled		

Notes: 1 juvenile fish (Sebastes sp.?) moved from frozen to preserved side

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Cruise #: 1521 **Vessel:** Tully **Page:** 8

Project(s): Laperouse **Contact:** Moira

TSK Serial #: 5300 **RBR serial #:** 108

Time offset = + 7 **hrs = UTC (please record local time for samples)**

Date: 9 Sept 2015	Station: LBP 5		Time: 8:38		**LOCAL**
Net Event # 92	CTD # 93		15:38		
Latitude: 50° 0.06'	N	Longitude: 128° 0.38'		W	
deg min.dec		deg min.dec			
Wire out: 250	Wire angle: 5		Bottom Depth: 1280		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
70725	73120		Non-flow = pickled		

Notes: swell

Date: 09.09.15	Station: LBP7		Time: 1704		**LOCAL**
Net Event # 96	CTD # 95				
Latitude: 49 52.37	N	Longitude: 128 11.18		W	
deg min.dec		deg min.dec			
Wire out: 250	Wire angle:		Bottom Depth: 2175		
Net Type: BONGO	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
73120	75703		Non-flow = pickled		

Notes:

Date: 09.09.15	Station: LBP8		Time: 1942		**LOCAL**
Net Event # 98	CTD # 97		0242 UTC		
Latitude: 49° 48.23	N	Longitude: 128° 17.11		W	
deg min.dec		deg min.dec			
Wire out: 250	Wire angle: 5		Bottom Depth: 2067		
Net Type: BONGO	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
75703	77862		Non-flow = pickled		

Notes:

Date: 10 Sept 2015	Station: CS01		Time: 15:57		**LOCAL**
Net Event # 100	CTD # 99		12:57		
Latitude: 50° 34.77	N	Longitude: 129° 41.72'		W	
deg min.dec		deg min.dec			
Wire out: 250	Wire angle: 15		Bottom Depth: 2100		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
77762	79686		Non-flow = pickled		

Notes:

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Cruise #: 2015-11 **Vessel:** Tully **Page:** 7

Project(s): Laper **Contact:** Moira

TSK Serial #: 5300 **RBR serial #:** 108

Time offset = + 7 **hrs = UTC** (please record local time for samples)

Date: 08 · 09 · 15	Station: LJ04		Time: 2137		**LOCAL**
Net Event # 81	CTD # 80				
Latitude: 49 deg	35.45 min.dec	N	Longitude: 127 deg	17.01 min.dec	W
Wire out: 155	Wire angle: 0-5		Bottom Depth: 165		
Net Type: BONGO	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
66870	68180		Non-flow = pickled		

Notes:

Date: 08 · 09 · 15	Station: LJ02		Time: 2343		**LOCAL**
Net Event # 84	CTD # 83		0643 UTC		
Latitude: 49 deg	42.57 min.dec	N	Longitude: 127 deg	05.21 min.dec	W
Wire out: 75	Wire angle: 10		Bottom Depth: 83		
Net Type: BONGO	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
68180	68981		Non-flow = pickled		

Notes:

Date: 9 Sept 2015	Station: LBP2		Time: 0536		**LOCAL**
Net Event # 88	CTD # 87				
Latitude: 50 deg	3.99 min.dec	N	Longitude: 127 deg	54.11 min.dec	W
Wire out: 85	Wire angle: 15		Bottom Depth: 96		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
68881	69440		Non-flow = pickled		

Notes: Swell 1 MIOCE removed from pickled
1 MUNOU transferred frozen → pickled

Date: 9 Sept 2015	Station: LBP3		Time: 0603		**LOCAL**
Net Event # 89	CTD # 90				
Latitude: 50 deg	3.15 min.dec	N	Longitude: 127 deg	55.36 min.dec	W
Wire out: 154	Wire angle: 5		Bottom Depth: 164		
Net Type: Bongo	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
69440	70725		Non-flow = pickled		

Notes: Swell California sea lion checking us out
1 MUNOU, a euphausiid transferred frozen → pickled.
6 Mitrocoma removed from pickled side

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Cruise #: 2015-21 **Vessel:** TULLY **Page:** 6

Project(s): Loper **Contact:** Moira

TSK Serial #: 5300 **RBR serial #:** 108

Time offset = + 7 **hrs = UTC (please record local time for samples)**

Date: 07.09.15	Station: LG07	Time: 2132 **LOCAL**
Net Event # 67	CTD # 66	0432 UTC
Latitude: 48° 59.30 N (deg / min.dec)	Longitude: 127° 06.98 W (deg / min.dec)	
Wire out: 250	Wire angle: 20	Bottom Depth: 1755
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
59820	61720	Non-flow = pickled

Notes:

Date: 8 Sept 2015	Station: LG09	Time: 1:05 **LOCAL**
Net Event # 69	CTD # 70	805 UTC
Latitude: 48° 51.22 N (deg / min.dec)	Longitude: 127° 9.44 W (deg / min.dec)	
Wire out: 250	Wire angle: 5	Bottom Depth: 249
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
61718	63240	Non-flow = pickled

Notes: transferred shrimp from frozen → pickled

Date: 08 09 15	Station: LJ09	Time: 20:11 **LOCAL**
Net Event # 74	CTD # 72	3:11 UTC (9/9/15)
Latitude: 49° 16.19 N (deg / min.dec)	Longitude: 127° 47.42 W (deg / min.dec)	
Wire out: 250	Wire angle: 16°	Bottom Depth: 2481
Net Type: Bongo	Tow Type: VNH	
Flow start 63240	Flow end 65178	Flow = frozen
		Non-flow = pickled

Notes: Surface current kept wire angle ~15-20° whole way

Date: 08.09.15	Station: LJ06	Time: 1857 **LOCAL**
Net Event # 78	CTD # 77	0154 UTC
Latitude: 49° 27.95 N (deg / min.dec)	Longitude: 127° 28.48 W (deg / min.dec)	
Wire out: 250	Wire angle: 0	Bottom Depth: 1069
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
65178	66870	Non-flow = pickled

Notes:

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Cruise #: 1521 **Vessel:** Tully **Page:** 5

Project(s): Lapérouse **Contact:** Moira

TSK Serial #: 5300 **RBR serial #:**

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

Date: 7 Sept 2015	Station: LD02		Time: 07:37		**LOCAL**
Net Event # 54	CTD # 55				
Latitude: 48 54.45 N		Longitude: 125 47.07 W			
deg	min.dec		deg	min.dec	
Wire out: 38	Wire angle: 15		Bottom Depth: 43		
Net Type: B	Tow Type: V NH				
Flow start	Flow end		Flow = frozen		
57590	57856		Non-flow = pickled		

Notes: 2 large MIOCE removed from pickled.

Date: 7 Sept 2015	Station: LD04		Time: 0858		**LOCAL**
Net Event # 56	CTD # 57				
Latitude: 48° 53.18 N		Longitude: 125° 57.02 W			
deg	min.dec		deg	min.dec	
Wire out: 58	Wire angle: 5		Bottom Depth: 63		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
57856	58280		Non-flow = pickled		

Notes: 1 MIOCE removed from pickled.

Date: 07.09.15	Station: LG02		Time: 1346		**LOCAL**
Net Event # 59	CTD # 60				
Latitude: 49° 18.75 N		Longitude: 126° 38.11 W			
deg	min.dec		deg	min.dec	
Wire out: 95m	Wire angle: 5°		Bottom Depth: 99m		
Net Type: Bongo	Tow Type: VNH				
Flow start 58280	Flow end 58865		Flow = frozen		
			Non-flow = pickled		

Notes:

Date: 07.09.15	Station: LG04		Time: 1613		**LOCAL**
Net Event # 63	CTD # 62				
Latitude: 49 11.46 N		Longitude: 126 49.07 W			
deg	min.dec		deg	min.dec	
Wire out: 135	Wire angle: 0°		Bottom Depth: 142		
Net Type: Bongo	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
58865	59820		Non-flow = pickled		

Notes:

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Sidney, B.C., Canada

Plankton Net Tow Log Sheet

Cruise #: 1521 **Vessel:** Tully **Page:** 4

Project(s): Laperouse **Contact:** Moira

TSK Serial #: 5300 **RBR serial #:**

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

Date: 06·09·15	Station: A2		Time: 2046		**LOCAL**
Net Event # 42	CTD # 41			0346 UTC	
Latitude: 48 deg	22.70 min.dec	N	Longitude: 126 deg	03.88 min.dec	W
Wire out: 250	Wire angle: 0		Bottom Depth: 345		
Net Type: Bongo	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
53834	55359		Non-flow = pickled		

Notes:

Date: 06·09·15	Station: A1		Time: 2225		**LOCAL**
Net Event # 44	CTD # 43				
Latitude: 48 deg	29.39 min.dec	N	Longitude: 126 deg	7.05 min.dec	W
Wire out: 190	Wire angle: 0		Bottom Depth: 198		
Net Type: Bongo	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
55359	56547		Non-flow = pickled		

Notes:

Date: 7 Sept 2015	Station: B6		Time: 0019		**LOCAL**
Net Event # 46	CTD # 47				
Latitude: 48° deg	36.490 min.dec	N	Longitude: 125° deg	54.000 min.dec	W
Wire out: 87	Wire angle: 0		Bottom Depth: 92		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
56547	57108		Non-flow = pickled		

Notes: 3 squid swam through light. 500ml jar
Saury in pickled.

Date: 7 Sept 2015	Station: B5		Time: 0219		**LOCAL**
Net Event # 48	CTD # 49				
Latitude: 48° deg	39.970 min.dec	N	Longitude: 125° deg	47.470 min.dec	W
Wire out: 57	Wire angle: 25		Bottom Depth: 63		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
57108	57590		Non-flow = pickled		

Notes: LCOS phyto + doliolids 500ml

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Plankton Net Tow Log Sheet

Cruise #: 1521 **Vessel:** Tully **Page:** 3

Project(s): Laperouse **Contact:** Moira

TSK Serial #: 5300 **RBR serial #:** 108

Time offset = + 7 **hrs = UTC (please record local time for samples)**

Date: 04 09 15	Station: LB08		Time: 2135		**LOCAL**
Net Event # 33	CTD # 22				
Latitude: 48° 25.31	N	Longitude: 125° 28.96		W	
deg min.dec		deg min.dec			
Wire out: 145	Wire angle: 0		Bottom Depth: 150		
Net Type: Bongo	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
48521	49445		Non-flow = pickled		

Notes:

Date: 5 Sept 2015	Station: LB11		Time: 0031		**LOCAL**
Net Event # 26	CTD # 27				
Latitude: 48° 15.189	N	Longitude: 125° 47.729		W	
deg min.dec		deg min.dec			
Wire out: 1985	Wire angle: 5		Bottom Depth: 203 m		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
49445	50748		Non-flow = pickled		

Notes: shark (Blueish 4ft) swam around wire
2 toutl s3 in pickled

Date: 05 09 15	Station: A4		Time: 1858		**LOCAL**
Net Event # 36	CTD # 34		0158 UTC		
Latitude: 48 14.73	N	Longitude: 126 40.43		W	
deg min.dec		deg min.dec			
Wire out: 250	Wire angle: 5		Bottom Depth: 2508		
Net Type: Bongo	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
50748	52219		Non-flow = pickled		

Notes:

Date: 06 09 15	Station: A3		Time: 19:14		**LOCAL**
Net Event # 40	CTD # 39				
Latitude: 48 25.85	N	Longitude: 126 13.93		W	
deg min.dec		deg min.dec			
Wire out: 250	Wire angle: 0		Bottom Depth: 632		
Net Type: Bongo	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
52219	53834		Non-flow = pickled		

Notes:

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Plankton Net Tow Log Sheet

Cruise #: 2015-21 **Vessel:** TULLY **Page:** 2

Project(s): LA PEROUSE **Contact:** MOIRA

TSK Serial #: 5300 **RBR serial #:** 79108

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

Date: 4 SEPT 2015	Station: C3		Time: 1603	**LOCAL**	
Net Event # 14	CTD # 15		2303	UTC	
Latitude: 48 deg 23.43 min.dec N	Longitude: 125 deg 20.75 min.dec W				
Wire out: 117	Wire angle: 8		Bottom Depth: 122		
Net Type: BONGO	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
45702	46500		Non-flow = pickled		

Notes:

Date: 04 · 09 · 15	Station: LB307		Time: 1738	**LOCAL**	
Net Event # 17	CTD # 16				
Latitude: 48 deg 28.82 min.dec N	Longitude: 125 deg 22.32 min.dec W				
Wire out: 150	Wire angle: 0		Bottom Depth: 156		
Net Type: BONGO	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
46500	47368		Non-flow = pickled		

Notes: MUCOUS / SMELLY

Date: 04 · 09 · 15	Station: B8		Time: 1901	**LOCAL**	
Net Event # 19	CTD # 18		0201	UTC	
Latitude: 48 deg 34.55 min.dec N	Longitude: 125 deg 30 14 min.dec W				
Wire out: 120	Wire angle: 0		Bottom Depth: 126		
Net Type: BONGO	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
47368	48070		Non-flow = pickled		

Notes:

Date: 04 · 09 · 15	Station: B7		Time: 1959	**LOCAL**	
Net Event # 21	CTD # 20		0259	UTC	
Latitude: 48 deg 31.93 min.dec N	Longitude: 125 deg 35.54 min.dec W				
Wire out: 75	Wire angle: 5		Bottom Depth: 80		
Net Type: BONGO	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
48070	48521		Non-flow = pickled		

Notes:

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Plankton Net Tow Log Sheet

Cruise #: 2015-21 **Vessel:** TULLY **Page:** 1

Project(s): LA PEROUSE **Contact:** MOIRA

TSK Serial #: 5300 **RBR serial #:** 79108

Time offset = + 7 **hrs = UTC (please record local time for samples)** BOTTOM TIME

Date: 03/09/15	Station: HARO 59	Time: 2137 **LOCAL**
Net Event # 3	CTD # 1	0437 UTC
Latitude: 48° 36.67 N (deg / min.dec)	Longitude: 123° 14.67 W (deg / min.dec)	
Wire out: 220	Wire angle: 15	Bottom Depth: 226
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
41860	43058	Non-flow = pickled

Notes:

Date: 4 Sept 2015	Station: E1	Time: 1023 **LOCAL**
Net Event # 8	CTD # 7	
Latitude: 48 31.71 N (deg / min.dec)	Longitude: 125 03.92 W (deg / min.dec)	
Wire out: 110	Wire angle: 0	Bottom Depth: 116
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
40358	43760	Non-flow = pickled

Notes: Lots of AEQ in water. Doliolids in HPLC along LB line (1-4) full of doliolids

Date: 04/09/15	Station: C1	Time: 1345 **LOCAL**
Net Event # 12	CTD # 11	2045 UTC
Latitude: 48° 28.72 N (deg / min.dec)	Longitude: 125° 15.36 W (deg / min.dec)	
Wire out: 145	Wire angle: 0	Bottom Depth: 152
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
43760	44680	Non-flow = pickled

Notes:

Date: 04 SEP 2015	Station: C2	Time: 1449 **LOCAL**
Net Event # 13	CTD # —	2149 UTC
Latitude: 48° 26.27 N (deg / min.dec)	Longitude: 125° 09.43 W (deg / min.dec)	
Wire out: 153	Wire angle: 8	Bottom Depth: 159
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
44680	45702	Non-flow = pickled

Notes: