



Plankton Net Tow Log Sheet

Cruise #: 2016-62 Vessel: Tully Page: 1

Project(s): LaPerouse Contact: Moira Galbraith

TSK Serial #: 4888 RBR serial #: 79108

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

Date: 01 Sept. 2016	Station: E1	Time: 17:23	LOCAL 10:23
Net Event # 06	CTD # 05		
Latitude: 48° 32.16 N	Longitude: 125° 04.15 W		
deg min.dec	deg min.dec		
Wire out: 105	Wire angle: 35°	Bottom Depth: ~110	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
39182	41045	Non-flow = pickled	

Notes: CURRENT AT SURFACE, TOW MORE OF AN OBLIQUE

Date: 1 Sept 16	Station: C1	Time: 1316	LOCAL
Net Event # 10	CTD # 9		2016 UTC
Latitude: 48° 28.92 N	Longitude: 125° 15.10 W		
deg min.dec	deg min.dec		
Wire out: 145	Wire angle: 12	Bottom Depth: 153	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
42695	43775	Non-flow = pickled	

Notes: VVIC took 7 small krill from frozen side.

Date: 1 Sept 16	Station: C2	Time: 1414	LOCAL
Net Event # 12	CTD # 11		2114
Latitude: 48° 26.29 N	Longitude: 125° 09.21 W		
deg min.dec	deg min.dec		
Wire out: 155	Wire angle: 0	Bottom Depth: 160	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
43775	44812	Non-flow = pickled	

Notes:

Date: 1 SEPT	Station: C2	Time: 1429	LOCAL
Net Event # 13	CTD # 11		2129 UTC
Latitude: 48° 26.25 N	Longitude: 125° 09.13 W		
deg min.dec	deg min.dec		
Wire out: 50	Wire angle: 0	Bottom Depth: 161	
Net Type: EVGENY	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
29579	29878	Non-flow = pickled	

Notes:

Flow Serial # 2015 coeff: 0.143
4926



Plankton Net Tow Log Sheet

Cruise #: 2016-62 Vessel: TULLY Page: 2

Project(s): LA PEROUSE Contact: MOIRA GALBRAITH

TSK Serial #: 4888 RBR serial #: 79108

Time offset = + 5 hrs = UTC (please record local time for samples)

Date: 1 SEPT 2016	Station: C 3	Time: 1551 LOCAL
Net Event # 15	CTD # 14	2251 UTC
Latitude: 48 23 34 N	Longitude: 125 20 68 W	
deg min.dec	deg min.dec	
Wire out: 115	Wire angle: 11	Bottom Depth: 123
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
44812	45791	Non-flow = pickled

Notes: 45891 ??

Date: 1 SEPT 2016	Station: L307	Time: 1642 LOCAL
Net Event # 16	CTD # 17	2342 UTC
Latitude: 48 28 58 N	Longitude: 125 22 16 W	
deg min.dec	deg min.dec	
Wire out: 150	Wire angle: 0	Bottom Depth: 157
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
45892	46928	Non-flow = pickled

Notes:

Date: 1 SEPT 2016	Station: B8	Time: 1816 LOCAL
Net Event # 19	CTD # 18	0116 UTC
Latitude: 48 34 40 N	Longitude: 125 30 16 W	
deg min.dec	deg min.dec	
Wire out: 130	Wire angle: 0	Bottom Depth: 135
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
46928	48093	Non-flow = pickled

Notes:

Date: 1 SEPT 2016	Station: B7	Time: 1905 LOCAL
Net Event # 21	CTD # 20	0205 UTC
Latitude: 48 31 N	Longitude: 125 35 W	
deg min.dec	deg min.dec	
Wire out: 73	Wire angle: 0	Bottom Depth: 78
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
48093	48660	Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2016-62 Vessel: Tully Page: 3

Project(s): LaP2M Contact: Moira

TSK Serial #: 4888 RBR serial #: 79108

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

Date: 1 Sept 16	Station: LB08	Time: 2033	LOCAL
Net Event # 23	CTD # 22		
Latitude: 48° 25' .27 N	Longitude: 125° 28' .81 W		
deg min.dec	deg min.dec		
Wire out: 145	Wire angle: 8	Bottom Depth: 152	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
48660	49722	Non-flow = pickled	

Notes:

Date: 1 Sep 16	Station: LB08	Time: 2048	LOCAL
Net Event # 24	CTD # 22	0348	
Latitude: 48° 25' .19 N	Longitude: 125° 28' .65 W		
deg min.dec	deg min.dec		
Wire out: 145125	Wire angle: 12	Bottom Depth: 152 135	
Net Type: Evgeny	Tow Type: VNH	644	
Flow start	Flow end	Flow = frozen	
29878	30655	Non-flow = pickled	

Notes: Flow Serial 2015 coeff 0.143
4926

Date: 1 Sep 16	Station: LB11	Time: 12:03	LOCAL
Net Event # 28	CTD # 27	0703 UTC	
Latitude: 48° 15' .1388 N	Longitude: 125° 47' .6134 W		
deg min.dec	deg min.dec		
Wire out: 200	Wire angle: 20	Bottom Depth: 207	
Net Type: Bonzo	Tow Type: VNH		
Flow start 49722	Flow end 51530	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 2 Sep 16	Station: LB16	Time: 0816	LOCAL
Net Event # 34	CTD # 33		
Latitude: 48° 0' .58 N	Longitude: 126° 17' .01 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle:	Bottom Depth: 250 and 765	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
51530	52088	Non-flow = pickled	

Notes:

Tow failed - net wrapped over opening



Plankton Net Tow Log Sheet

Cruise #: 2016-62 Vessel: Tully Page: 4
Project(s): Luperouse Contact: Maru
TSK Serial #: 4888 RBR serial #: 79108
Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 2 Sep 16	Station: L316	Time: 0838	LOCAL
Net Event # 35	CTD # 33		
Latitude: 48 0.61 N	Longitude: 126 17.22 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 10°	Bottom Depth: 1755	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
52088	54245	Non-flow = pickled	

Notes:

Date: 2 Sep 16	Station: L311	Time: 0935	LOCAL
Net Event # 36	CTD # 33		
Latitude: 48 0.59 N	Longitude: 126 17.48 W		
deg min.dec	deg min.dec		
Wire out: 1200	Wire angle: 10	Bottom Depth: 1760	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
54245	64675	Non-flow = pickled	

Notes:

Date: 02-09-16	Station: A4	Time: 1231	LOCAL
Net Event # 37	CTD # 39		
Latitude: 48 15.06 N	Longitude: 126 40.12 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 3	Bottom Depth: 2519	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
64860	66688	Non-flow = pickled	

Notes:

Date: 02-09-2016	Station: A3/LC09	Time: 2133	LOCAL
Net Event # 43	CTD # 42		
Latitude: 48 25.95 N	Longitude: 126 13.71 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5	Bottom Depth: 601	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
66688	68560	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2016-02 Vessel: Tully Page: 5

Project(s): LaPerouse Contact: Maira

TSK Serial #: 4888 RBR serial #: 79108

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

Date: 2 Sept 16	Station: A3/LC09	Time: 2256	LOCAL
Net Event # 44	CTD # 142		
Latitude: 48 25.97 N	Longitude: 126 13.97 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle:	Bottom Depth: 607	
Net Type: Eury	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
30635	32296	Non-flow = pickled	
Notes:	FM 4926		

Date: 2 Sep 2016	Station: A2	Time: 2321	LOCAL
Net Event # 46	CTD # 45	0621 UTC	
Latitude: 48 22.82 N	Longitude: 126 03.93 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 337	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
68560	70405	Non-flow = pickled	
Notes:	UVIC 7 small krill from frozen side.		

Date: 3 Sept 16	Station: LC08	Time: 0057	LOCAL
Net Event # 48	CTD # 47		
Latitude: 48 29.49 N	Longitude: 126 06.91 W		
deg min.dec	deg min.dec		
Wire out: 190	Wire angle:	Bottom Depth: 197	
Net Type: Bongo	Tow Type: VNH		
Flow start 70405	Flow end 71802	Flow = frozen	
		Non-flow = pickled	
Notes:			

Date: 03.09.16	Station: LC06/B6	Time: 0704	LOCAL
Net Event # 51	CTD # 50		
Latitude: 48 36.64 N	Longitude: 125 54.05 W		
deg min.dec	deg min.dec		
Wire out: 89	Wire angle: 5	Bottom Depth: 94	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
71798	72490	Non-flow = pickled	
Notes:			

USE THIS



Plankton Net Tow Log Sheet

Cruise #: 2016-62 Vessel: TULLY Page: 6
Project(s): LAPEROUSE Contact: MOIRA
TSK Serial #: 4888 RBR serial #: 79108

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

Date: 03.09.16	Station: LC05/BS	Time: 0426	LOCAL
Net Event # 53	CTD # 52		
Latitude: 48 46.00 N	Longitude: 125 47.39 W		
deg min.dec	deg min.dec		
Wire out: 59	Wire angle: 0	Bottom Depth: 64	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
72490	72862	Non-flow = pickled	

Notes:

Date: 03.09.16	Station: D1/LD02	Time: 0927	LOCAL
Net Event # 59	CTD # 58		
Latitude: 48 58.34 N	Longitude: 125 46.89 W		
deg min.dec	deg min.dec		
Wire out: 37	Wire angle: 10	Bottom Depth: 42	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
72862	73152	Non-flow = pickled	

Notes:

Date: 03.09.16	Station: D2/LD04	Time: 10:43	LOCAL
Net Event # 61	CTD # 60	17:43	
Latitude: 48° 53.2582 N	Longitude: 125° 57.1710 W		
deg min.dec	deg min.dec		
Wire out: 57	Wire angle: 0	Bottom Depth: 62	
Net Type: BONGO	Tow Type: VNH		
Flow start 73152	Flow end 73640	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 3 SEPT 16	Station: LD09	Time: 1451	LOCAL
Net Event # 63	CTD # 65	2151	
Latitude: 48 35.79 N	Longitude: 126 30.02 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 3	Bottom Depth: 1036	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
73640	75505	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2016-62 Vessel: TULLY Page: 7

Project(s): La Perouse Contact: MOIRA

TSK Serial #: 4888 RBR serial #: 79108

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

Date: 3 SEP 2016	Station: LDO9	Time: 1514 LOCAL
Net Event # 64	CTD # 65	2214 UTC
Latitude: 48° 35.86' N	Longitude: 126° 30.19' W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 3	Bottom Depth: 1036
Net Type: EVGENY	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
32296	34068	Non-flow = pickled

Notes:

SCORE 4926

Date: 4 Sep 16	Station: LG09	Time: 0012 LOCAL
Net Event # 68	CTD # 67	
Latitude: 48° 51.67' N	Longitude: 127° 19.79' W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 2060
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
75505	77500	Non-flow = pickled

Notes: LARGE WIRE L° AT START BUT 0° AT BOTTOM

Date: 04-09-16	Station: LG07	Time: 0418 LOCAL
Net Event # 71	CTD # 70	
Latitude: 48° 59.39' N	Longitude: 127° 07.24' W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 1753
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
77500	79235	Non-flow = pickled

Notes:

Date: 04-09-16	Station: LG04	Time: 0804 LOCAL
Net Event # 75	CTD # 74	
Latitude: 49° 11.33' N	Longitude: 126° 49.33' W	
deg min.dec	deg min.dec	
Wire out: 140	Wire angle: 5	Bottom Depth: 144
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
79235	80140	Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2016-62 Vessel: JOLLY Page: 8

Project(s): LAPERDUSE Contact: MOIRA

TSK Serial #: 4888 RBR serial #: 79108

Time offset = + 7

hrs = UTC (please record local time for samples)

Date: 04-09-16	Station: L602	Time: 0954	LOCAL
Net Event # 78	CTD # 77		
Latitude: 49 18.71 N	Longitude: 126 37.95 W		
deg min.dec	deg min.dec		
Wire out: 93	Wire angle: 20	Bottom Depth: 98	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
80140	80880	Non-flow = pickled	

Notes:

Date: 4 SEPT 2016	Station: L502	Time: 1439	LOCAL
Net Event # 82	CTD # 81	2139	
Latitude: 49 42.68 N	Longitude: 127 05 29 W		
deg min.dec	deg min.dec		
Wire out: 77	Wire angle: 12	Bottom Depth: 83	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
80882	81350	Non-flow = pickled	

Notes:

Date: 4 SEPT 2016	Station: L504	Time: 1628	LOCAL
Net Event # 85	CTD # 84	2328	
Latitude: 49 35.45 N	Longitude: 127 16.93 W		
deg min.dec	deg min.dec		
Wire out: 157	Wire angle: 12	Bottom Depth: 163	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
81350	82392	Non-flow = pickled	

Notes:

Date: 4 SEPT 2016	Station: L506	Time: 1939	LOCAL
Net Event # 88	CTD # 87	0239 UR	
Latitude: 49 28.06 N	Longitude: 127 28.60 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 993	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
82392	84090	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2016-62 Vessel: JP Tully Page: 9

Project(s): LAPEROUSE Contact: MOIRA

TSK Serial #: 4888 RBR serial #: 79108

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

Date: 5 Sept 16	Station: LBP7	Time: 1451	LOCAL
Net Event # 46	CTD # 95		
Latitude: 49 52.11 N	Longitude: 128 10.22 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 13°	Bottom Depth: 2200	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
84090	85952	Non-flow = pickled	

Notes: Small pyrosoma + 2 large salps. * labels have wrong final flow in jar? Should be 85952

Date: 5 Sept 16	Station: LBP5	Time: 1801	LOCAL
Net Event # 99	CTD # 98	0101	UTC
Latitude: 50° 00.26 N	Longitude: 128° 00.14 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 140	Bottom Depth: 1286	
Net Type: Bongo	Tow Type: VNH		
Flow start 85960	Flow end 88012	Flow = frozen	
		Non-flow = pickled	

Notes: 5 small krill removed for UVIC

Date: 5 Sept 2016	Station: LBP3	Time: 1955	LOCAL
Net Event # 102	CTD # 101	0255	
Latitude: 50° 03.26 N	Longitude: 127° 55.65 W		
deg min.dec	deg min.dec		
Wire out: 160	Wire angle: 2°	Bottom Depth: 168	
Net Type: Bongo	Tow Type: VNH		
Flow start 88012	Flow end 89212	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 5 Sept 16	Station: LBP3	Time: 2012	LOCAL 0812
Net Event # 103	CTD # 101	0312	UTC
Latitude: 50° 03.28 N	Longitude: 127° 55.73 W		
deg min.dec	deg min.dec		
Wire out: 160	Wire angle: 07	Bottom Depth: 168	
Net Type: Evagony	Tow Type: VNH		
Flow start 34068	Flow end 45193	Flow = frozen	
		Non-flow = pickled	

Notes: Scor 64 um Net



Plankton Net Tow Log Sheet

Cruise #: 2016-62 Vessel: TULLY Page: 10

Project(s): LA PEROUSE Contact: MOIRA

TSK Serial #: 4888 RBR serial #: 79108

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

Date: 5 SEPT 2016	Station: LBP2	Time: 2045 LOCAL
Net Event # 105	CTD # 104	0345
Latitude: 50° 04.13 N	Longitude: 127° 52.46 W	
deg min.dec	deg min.dec	
Wire out: 91	Wire angle:	Bottom Depth: 96
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
89212	89965	Non-flow = pickled

Notes:

Date: 6 SEPT 2016	Station: CPE2	Time: 0924 LOCAL
Net Event # 108	CTD # 107	
Latitude: 50° 43.10 N	Longitude: 128° 39.95 W	
deg min.dec	deg min.dec	
Wire out: 118	Wire angle: 5°	Bottom Depth: 124
Net Type: BONGO	Tow Type: VNH	
Flow start 89950	Flow end 90852	Flow = frozen
		Non-flow = pickled

Notes:

Date: 6 SEPT 2016	Station: L603	Time: 12:09 LOCAL
Net Event # 110	CTD # 109	
Latitude: 50° 39.81 N	Longitude: 129° 02.23 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0°	Bottom Depth: 1308
Net Type: BONGO	Tow Type: VNH	
Flow start 90852	Flow end 92810	Flow = frozen
		Non-flow = pickled

Notes: PERALS

SALMON JUV AT SURFACE

Date: 06 09 16	Station: J122	Time: 0745 LOCAL
Net Event # 112	CTD # 111	
Latitude: 50° 39.80 N	Longitude: 129° 17.57 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 1521
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
92810	94370	Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2016-62 Vessel: Tully Page: 11

Project(s): CAPE SCOTT Contact: MOIRA

TSK Serial #: 4888 RBR serial #: 79108

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

Date: 06 Sep 16	Station: CS00	Time: 1312 LOCAL
Net Event # 114	CTD # 113	2012 UTC
Latitude: 50° 28.13 N	Longitude: 129° 55.97 W	
deg min.dec	deg min.dec	
Wire out: 1200	Wire angle: 12°	Bottom Depth: 2168
Net Type: Bongo	Tow Type: VNH	
Flow start 94370	Flow end	Flow = frozen
	03458	Non-flow = pickled

Notes:

Date: 06 Sep 16	Station: CS00	Time: 1346 LOCAL
Net Event # 115	CTD # 113	2046 UTC
Latitude: 50° 28.40 N	Longitude: 129° 56.20 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 8	Bottom Depth: 2168
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
03458	05672	Non-flow = pickled

Notes:

Date: 6 Sept 16	Station: CS01	Time: 1633 LOCAL
Net Event # 117	CTD # 116	2333
Latitude: 50° 35.01 N	Longitude: 129° 41.57 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 2100
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
05672	07450	Non-flow = pickled

Notes:

Date: 6 Sept 16	Station: CS02	Time: 1927 LOCAL
Net Event # 119	CTD # 118	0227
Latitude: 50° 41.28 N	Longitude: 129° 28.22 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 15	Bottom Depth: 1896
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
07450	09218	Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2016-62 Vessel: Tully Page: 12
 Project(s): Cape Scott Contact: Maira
 TSK Serial #: 4888 RBR serial #: 79108
 Time offset = + hrs = UTC (please record local time for samples)

Date: 6 Sep 16	Station: CS02	Time: 1950 LOCAL
Net Event # 120	CTD # 118	0250 UTC
Latitude: 50° 41.32' N	Longitude: 129° 28.39' W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 1896
Net Type: Evapny	Tow Type: VNH	
Flow start 45193	Flow end 36651	Flow = frozen
		Non-flow = pickled

Notes:

Date: 6 Sep 16	Station: CS03	Time: 2109 LOCAL
Net Event # 122	CTD # 121	0409 UTC
Latitude: 50° 45.62' N	Longitude: 129° 19.99' W	
deg min.dec	deg min.dec	
Wire out: 215	Wire angle: 5	Bottom Depth: 223
Net Type: Bongo	Tow Type: VNH	
Flow start 09218	Flow end 10844	Flow = frozen
		Non-flow = pickled

Notes:

Date: 6 Sep 16	Station: CS04	Time: 2224 LOCAL
Net Event # 124	CTD # 123	0524 UTC
Latitude: 50° 49.24' N	Longitude: 129° 13.20' W	
deg min.dec	deg min.dec	
Wire out: 90	Wire angle: 250	Bottom Depth: 96
Net Type: Bongo	Tow Type: VNH	
Flow start 10844	Flow end 11751	Flow = frozen
		Non-flow = pickled

Notes: Ship had difficulty keeping its head, hence the 25° wire angle.

Date: 07.09.16	Station: ODAS	Time: 0306 LOCAL
Net Event # 126	CTD # 125	
Latitude: 50° 56.33' N	Longitude: 129° 58.75' W	
deg min.dec	deg min.dec	
Wire out: 260	Wire angle: 35	Bottom Depth: 2106
Net Type: Bongo	Tow Type: VNH	
Flow start 11651	Flow end 13635	Flow = frozen
		Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2016-62 Vessel: JPTOLLY Page: 13

Project(s): CAPE SCOTT Contact: HOIRA

TSK Serial #: 4888 RBR serial #: 79108

Time offset = +

hrs = UTC (please record local time for samples)

Date: 07.09.16	Station: C538	Time: 0545	LOCAL
Net Event # 128	CTD # 127		
Latitude: 50 59.94 N	Longitude: 129 27.07 W		
deg min.dec	deg min.dec		
Wire out: 215	Wire angle: 10	Bottom Depth: 220	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
13635	15062	Non-flow = pickled	

Notes:

Date: 07.09.16	Station: C505	Time: 0801	LOCAL
Net Event # 130	CTD # 129		
Latitude: 50 55.74 N	Longitude: 129 00.23 W		
deg min.dec	deg min.dec		
Wire out: 59	Wire angle: 25	Bottom Depth: 64	
Net Type: Bongo	Tow Type: ONH		
Flow start	Flow end	Flow = frozen	
15062	15578	Non-flow = pickled	

Notes: WIRE 25° @ BOTTOM INCREASING TO 45° ASCENT ERGO ONH

Date: 07.09.16	Station: C513	Time: 0942	LOCAL
Net Event # 132	CTD # 131		
Latitude: 50 53.14 N	Longitude: 128 39.82 W		
deg min.dec	deg min.dec		
Wire out: 70	Wire angle: 35	Bottom Depth: 75	
Net Type: Bongo	Tow Type: ONH		
Flow start	Flow end	Flow = frozen	
15578	16064	Non-flow = pickled	

Notes: SEE NOTE ABOVE

Date: 07.09.16	Station: C506	Time: 1111	LOCAL
Net Event # 134	CTD # 133	1811	UTC
Latitude: 51° 00.00 N	Longitude: 128° 51.91 W		
deg min.dec	deg min.dec		
Wire out: 610	Wire angle: 0	Bottom Depth: 64	
Net Type: Bongo	Tow Type: ONH		
Flow start 16064	Flow end 16480	Flow = frozen	
		Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2016-62 Vessel: TULLY Page: 14

Project(s): TAPE SCOTT Contact: MOIRA

TSK Serial #: 4888 RBR serial #: 79108

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

Date: 7 SEPT 2016	Station: C507	Time: 1216 LOCAL
Net Event # 136	CTD # 135	1916 UTC
Latitude: 51° 04.59' N	Longitude: 128° 44.26' W	
deg min.dec	deg min.dec	
Wire out: 60	Wire angle: 15	Bottom Depth: 64
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
16854	17362	Non-flow = pickled

Notes:

Date: 7 SEPT 2016	Station: C508	Time: 1324 LOCAL
Net Event # 138	CTD # 137	2024 UTC
Latitude: 51° 08.48' N	Longitude: 128° 35.94' W	
deg min.dec	deg min.dec	
Wire out: 138	Wire angle: 22	Bottom Depth: 143
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
17649	18330	Non-flow = pickled

Notes:

Date: 7 SEPT 2016	Station: C509	Time: 1451 LOCAL
Net Event # 140	CTD # 139	
Latitude: 51° 12.51' N	Longitude: 128° 28.33' W	
deg min.dec	deg min.dec	
Wire out: 190	Wire angle: 2	Bottom Depth: 195
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
18838	20593	Non-flow = pickled

Notes:

Date: 7 Sep 16	Station: C509	Time: 1509 LOCAL
Net Event # 141	CTD # 139	
Latitude: 51° 12.40' N	Longitude: 128° 28.26' W	
deg min.dec	deg min.dec	
Wire out: 190	Wire angle: 10	Bottom Depth: 196
Net Type: Eureka	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
36651	38260	Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2016-62 Vessel: TULLY Page: 15

Project(s): DAPESCOOT / QCSIA Contact: MOIRA

TSK Serial #: 4888 RBR serial #: 79108

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

Date: 7 SEPT 2016	Station: CS10	Time: 1618 LOCAL
Net Event # 143	CTD # 142	2318 UTC
Latitude: 51' 16.58 N	Longitude: 128' 19.91 W	
deg min.dec	deg min.dec	
Wire out: 75	Wire angle: 20	Bottom Depth: 80
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
20593	21120	Non-flow = pickled

Notes:

Date: 7 SEPT 2016	Station: SSS	Time: 1822 LOCAL
Net Event # 145	CTD # 144	0122 UTC
Latitude: 51' 27.83 N	Longitude: 128' 30.11 W	
deg min.dec	deg min.dec	
Wire out: 197	Wire angle: 14	Bottom Depth: 203
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
21120	22790	Non-flow = pickled

Notes:

Date: 7 SEPT 2016	Station: SSS4	Time: 2129 LOCAL
Net Event # 147	CTD # 146	0429 UTC
Latitude: 51' 21.08 N	Longitude: 129' 00.22 W	
deg min.dec	deg min.dec	
Wire out: 233	Wire angle: 0	Bottom Depth: 239
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
22790	24478	Non-flow = pickled

Notes:

Date: 8 SEPT 2016	Station: SSS3	Time: 0029 LOCAL
Net Event # 149	CTD # 148	
Latitude: 51' 15.22 N	Longitude: 129' 21.61 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 5'	Bottom Depth: 289
Net Type: BONGO	Tow Type: VNH	
Flow start 24478	Flow end 26460	Flow = frozen
		Non-flow = pickled

Notes: RIPPED NET OFF AT COLD END - TRADED NETS FROM BACK UP
SAME FM + RBR



Plankton Net Tow Log Sheet

Cruise #: 2016-62 Vessel: JULY Page: 16

Project(s): WQC STRAIT Contact: NOIRA

TSK Serial #: 48888 RBR serial #: 79468

Time offset = +

hrs = UTC (please record local time for samples)

Date: 08.09.16	Station: 552	Time: 0316	LOCAL
Net Event # 150	CTD # 150		
Latitude: 51° 12.95 N	Longitude: 129 43.04 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 20	Bottom Depth: 580	
Net Type: Bongo	Tow Type: VNH		
Flow start 26960	Flow end 28608	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 08.09.16	Station: 351	Time: 0525	LOCAL
Net Event # 153	CTD # 152		
Latitude: 51 11.99 N	Longitude: 129 59 92 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5°	Bottom Depth: 489	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
28608	30432	Non-flow = pickled	

Notes:

Date: 08.09.16	Station: 550	Time: 1122	LOCAL
Net Event # 155	CTD # 154		
Latitude: 51 00.06 N	Longitude: 130 50.78 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5	Bottom Depth: 2633	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
30432	32156	Non-flow = pickled	

Notes: FIN WHALE, DAHL PORPOISES

Date: 08.09.16	Station: 350	Time: 1216	LOCAL
Net Event # 156	CTD # 154	1916 UTC	
Latitude: 51° 00.04 N	Longitude: 130° 50.50 W		
deg min.dec	deg min.dec		
Wire out: 1800	Wire angle: 12	Bottom Depth: 2633	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
32156	40770	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2016-62 Vessel: TULLY Page: 17

Project(s): QC STRAIT Contact: MOIRA

TSK Serial #: 4888 RBR serial #: 79108

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

Date: 8 SEPT 2016	Station: NL01	Time: 1556 LOCAL
Net Event # 158	CTD # 157	2256 UT
Latitude: 51° 22.26 N	Longitude: 130° 51.20 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 2205
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
40770	42568	Non-flow = pickled

Notes:

Date: 8 SEPT 2016	Station: NL02	Time: 0150 UTC LOCAL 1850
Net Event # 160	CTD # 159	
Latitude: 51° 33.41 N	Longitude: 130° 16.46 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 6°	Bottom Depth: 849 m
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
42568	44535	Non-flow = pickled

Notes:

Date: 8 SEPT 2016	Station: NL03	Time: 2146 LOCAL
Net Event # 161	CTD # 160	0446 UT
Latitude: 51° 47.84 N	Longitude: 129° 40.36 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 30	Bottom Depth: 293
Net Type: BONGO	Tow Type: VNH	
Flow start 44535	Flow end	Flow = frozen
	46610	Non-flow = pickled

Notes:

Date: SEPT 2016	Station: NL04	Time: 01158 LOCAL
Net Event # 164	CTD # 163	
Latitude: 51° 55.90 N	Longitude: 129° 11.64 W	
deg min.dec	deg min.dec	
Wire out: 162	Wire angle: 5	Bottom Depth: 167
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
46610	47821	Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2016-62 **Vessel:** Tully **Page:** 18

Project(s): QC STRAIT **Contact:** MOIRA

TSK Serial #: 4888 **RBR serial #:** 79108

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

Date: 09.09.16	Station: NL5	Time: 0150	LOCAL
Net Event # 166	CTD # 165		
Latitude: 51 40.64 N	Longitude: 128 54.36 W		
deg min.dec	deg min.dec		
Wire out: 35	Wire angle: 0	Bottom Depth: 43	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
47821	48066	Non-flow = pickled	

Notes:

Date: 09.09.16	Station: SS6	Time: 0535	LOCAL
Net Event # 168	CTD # 167		
Latitude: 51 19.91 N	Longitude: 127 59.92 W		
deg min.dec	deg min.dec		
Wire out: 172	Wire angle: 0	Bottom Depth: 177	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
48059	49058	Non-flow = pickled	

Notes:

Date: 09.09.16	Station: SS7	Time: 0645	LOCAL
Net Event # 170	CTD # 169		
Latitude: 51 24.72 N	Longitude: 127 47.67 W		
deg min.dec	deg min.dec		
Wire out: 118	Wire angle: 0	Bottom Depth: 123	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
49058	49765	Non-flow = pickled	

Notes:

Date: 09.09.16	Station: UBC7	Time: 0738	LOCAL
Net Event # 172	CTD # 171		
Latitude: 51 29.99 N	Longitude: 127 49.01 W		
deg min.dec	deg min.dec		
Wire out: 155	Wire angle: 0	Bottom Depth: 160	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
49765	50555	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2016-62 Vessel: JP Touy Page: 19

Project(s): RIVERS Contact: MOIRA

TSK Serial #: 4888 RBR serial #: 79108

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

Date: 09-09-16	Station: R11	Time: 0902	LOCAL
Net Event # 174	CTD # 173	1602	UTC
Latitude: 51 26.33 N	Longitude: 127 38.64 W		
deg min.dec	deg min.dec		
Wire out: 305	Wire angle: 10	Bottom Depth: 311	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
50555	52392	Non-flow = pickled	

Notes:

Date: 09-09-16	Station: R13	Time: 1220	LOCAL
Net Event # 178	CTD # 177	1920	UTC
Latitude: 51 35.91 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	
52392	54087	Non-flow = pickled	

Notes:

Date: 09-09-2016	Station: R14	Time: 1333	LOCAL
Net Event # 180	CTD # 179	2033	UTC
Latitude: 51 38.90 N	Longitude: 127 26.78 W		
deg min.dec	deg min.dec		
Wire out: 295	Wire angle: 5	Bottom Depth: 300	
Net Type: Bongo	Tow Type: VNH		
Flow start 54087	Flow end 55725	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 9 SEPT 2016	Station: R15	Time: 1440	LOCAL
Net Event # 182	CTD # 181	2140	UTC
Latitude: 51 40.66 N	Longitude: 127 19.86 W		
deg min.dec	deg min.dec		
Wire out: 195	Wire angle: 3	Bottom Depth: 201	
Net Type: VNH	Tow Type: Bongo		
Flow start 55750	Flow end	Flow = frozen	
	56789	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2016-62 Vessel: TULLY Page: 20

Project(s): QC STAIR/5.6 Contact: MOIRA

TSK Serial #: 4888 RBR serial #: 79108

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

Date: 9 SEPT 2016	Station: R6	Time: 1518 LOCAL
Net Event # 184	CTD # 183	2218
Latitude: 51° 40.37' N	Longitude: 127° 17.15' W	
deg min.dec	deg min.dec	
Wire out: 145	Wire angle: 6	Bottom Depth: 149
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
56789	57584	Non-flow = pickled

Notes:

Date: 9 Sep 16	Station: CP51	Time: 2115 LOCAL
Net Event # 186	CTD # 185	0415 UTC
Latitude: 50° 59.96' N	Longitude: 127° 49.94' W	
deg min.dec	deg min.dec	
Wire out: 141	Wire angle: 15	Bottom Depth: 148
Net Type: Bongo	Tow Type: VNH	
Flow start 57584	Flow end 58415	Flow = frozen
		Non-flow = pickled

Notes:

Date: 11.09.16	Station: 14	Time: 02:40 LOCAL
Net Event # 188	CTD # 187	
Latitude: 49° 53.11' N	Longitude: 125° 00.07' W	
deg min.dec	deg min.dec	
Wire out: 305	Wire angle: 0	Bottom Depth: 311
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
58412	60177	Non-flow = pickled

Notes:

Date: 11.09.16	Station: 11	Time: 0454 LOCAL
Net Event # 190	CTD # 189	
Latitude: 49° 42.19' N	Longitude: 124° 43.45' W	
deg min.dec	deg min.dec	
Wire out: 287	Wire angle: 5	Bottom Depth: 292
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
60177	61497	Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2016-02 Vessel: JPTULLY Page: 21

Project(s): 505 Contact: MOIRA

TSK Serial #: 4888 RBR serial #: 79108

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

Date: 11 09 16	Station: CPF2	Time: 1804	LOCAL
Net Event # 192	CTD # 191		
Latitude: 49 28.07 N	Longitude: 124 30.06 W		
deg min.dec	deg min.dec		
Wire out: 318	Wire angle: 5	Bottom Depth: 323	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
61497	63226	Non-flow = pickled	

Notes:

Date: 11 09 16	Station: CPF1	Time: 0935	LOCAL
Net Event # 194	CTD # 193		
Latitude: 49 21.93 N	Longitude: 124 05.40 W		
deg min.dec	deg min.dec		
Wire out: 257	Wire angle: 5	Bottom Depth: 262	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
63226	64682	Non-flow = pickled	

Notes: Bottle and bag samples will read 64782 on the labels; bwt 64682 is correct number.

J.D.

Date: 11 09 16	Station: 22	Time: 1248	LOCAL
Net Event # 196	CTD # 195		
Latitude: 49 40.15 N	Longitude: 124 16.60 W		
deg min.dec	deg min.dec		
Wire out: 343	Wire angle: 5	Bottom Depth: 348	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
64682	66180	Non-flow = pickled	

Notes:

Date: 11 09 16	Station: 24	Time: 1454	LOCAL
Net Event # 198	CTD # 197		
Latitude: 49 30.32 N	Longitude: 124 05.99 W		
deg min.dec	deg min.dec		
Wire out: 415	Wire angle: 12	Bottom Depth: 421	
Net Type: Bongo	Tow Type: VNH		
Flow start 66180	Flow end 68478	Flow = frozen	
		Non-flow = pickled	

Notes: STOPPED @ 1334 WIRE RUBBING ON CRANE, FOR 1 MIN