



Plankton Net Tow Log Sheet

Cruise #: 1705 Vessel: Tully Page: 1
Project(s): Laperouse Contact: Moira
TSK Serial #: 4794 RBR serial #: 108

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

Date: 24 May 17	Station: 59	Time: 11:11	LOCAL
Net Event # 3	CTD # 2		
Latitude: 48 36.570 N	Longitude: 123 14.830 W		
deg min.dec	deg min.dec		
Wire out: 215	Wire angle: 45	Bottom Depth: 225	
Net Type: B	Tow Type: VNH		
Flow start 96128	Flow end 97164	Flow = frozen	
		Non-flow = pickled	

Notes: Removed pipe fish from flowmeter side
towed @ surface at end

Date: 25 May 2017	Station: E1	Time: 00:08	LOCAL
Net Event # 8	CTD # 9		
Latitude: 48 31.730 N	Longitude: 125 03.750 W		
deg min.dec	deg min.dec		
Wire out: 108	Wire angle: 0	Bottom Depth: 118	
Net Type: Bongo	Tow Type: VNH		
Flow start 97965	Flow end 98745	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 25 May 2017	Station: C1	Time: 0306	LOCAL
Net Event # 13	CTD # 12		
Latitude: 48 29.049 N	Longitude: 125 15.376 W		
deg min.dec	deg min.dec		
Wire out: 141	Wire angle: 0	Bottom Depth: 151	
Net Type: B	Tow Type: VNH		
Flow start 98746	Flow end 00279	Flow = frozen	
		Non-flow = pickled	

Notes: UVIC took 7 small krill from frozen side 1-3" pyrosome in pickled side

Date: 25 May 2017	Station: C2	Time: 0421	LOCAL
Net Event # 15	CTD # 14		
Latitude: 48 26.249 N	Longitude: 125 09.271 W		
deg min.dec	deg min.dec		
Wire out: 144	Wire angle: 0	Bottom Depth: 159	
Net Type: B	Tow Type: VNH		
Flow start 278	Flow end 1890	Flow = frozen	
		Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 1705 Vessel: Tully Page: 2
 Project(s): Laperouse Contact: Moira
 TSK Serial #: 4794 RBR serial #: 108

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

Date: 25 May 17	Station: C3	Time: 0549	LOCAL
Net Event # 17	CTD # 16		
Latitude: 48 23.607 N	Longitude: 125 22.78 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	
01889	02952	Non-flow = pickled	

Notes:

Date: 25 May 2017	Station: L607	Time: 06:51	LOCAL
Net Event # 19	CTD # 18		
Latitude: 48 28.704 N	Longitude: 125 22.264 W		
deg min.dec	deg min.dec		
Wire out: 142	Wire angle: 0	Bottom Depth: 152	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
4455	5580	Non-flow = pickled	

Notes: New bongo-shackle bent on arm. TSK 4798 from prev. tow

Date: 25 May 2017	Station: B8	Time: 08 03	LOCAL
Net Event # 21	CTD # 20		
Latitude: 48 34.616 N	Longitude: 125 30.976 W		
deg min.dec	deg min.dec		
Wire out: 100	Wire angle:	Bottom Depth: 110	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
05580	06411	Non-flow = pickled	

Notes:

Date: 25 May 2017	Station: B7	Time: 0914	LOCAL
Net Event # 23	CTD # 22		
Latitude: 48 32.021 N	Longitude: 125 35.537 W		
deg min.dec	deg min.dec		
Wire out: 70	Wire angle: 5	Bottom Depth: 80	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
0455	0740	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 1705 Vessel: Tully Page: 3
Project(s): Laperouse Contact: Moira
TSK Serial #: 4798 RBR serial #: 108
Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 25 May 17	Station: LB08	Time: 1046	LOCAL
Net Event # 25	CTD # 24		
Latitude: 48 25.391 N	Longitude: 125 28.489 W		
deg min.dec	deg min.dec		
Wire out: 130	Wire angle: 5	Bottom Depth: 140	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
7329	8498	Non-flow = pickled	
Notes: 3 5			

NO WIRE L
RECORDED

ASSUME
ZERO

Date: 25 May 17	Station: LB08	Time: 1107	LOCAL
Net Event # 26	CTD # 24		
Latitude: 48 25.28 N	Longitude: 125 28.47 W		
deg min.dec	deg min.dec		
Wire out: 123	Wire angle: —	Bottom Depth: 133	
Net Type: BONG	Tow Type: VNH	64mm	
Flow start 8222	Flow end 8237	Flow = frozen	
		Non-flow = pickled	

Notes: Net for EVGENY
LIMACINA FOR DIC

TSK # 7133 - did not spin MUCH

Date: 25 May 17	Station: LB11	Time: 1511	LOCAL
Net Event # 30	CTD # 29		
Latitude: 48 15.29 N	Longitude: 125 47.62 W		
deg min.dec	deg min.dec		
Wire out: 193	Wire angle: 10	Bottom Depth: 203	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
8398	10135	Non-flow = pickled	

Notes:

Date: 25 MAY 2017	Station: LB16	Time: 2330	LOCAL
Net Event # 36	CTD # 35	0636	UTZ
Latitude: 48 00.57 N	Longitude: 126 16.98 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 1785	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
10135	12268	Non-flow = pickled	

Notes: pyrosomas all around @ surface.
removed 3 pyrosomas from sample



Plankton Net Tow Log Sheet

Cruise #: 201705 Vessel: Tully Page: 4

Project(s): La Perouse Contact: Moire

TSK Serial #: 4798 RBR serial #: 108

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

Date: 26 May 2017	Station: LB16	Time: 0023	LOCAL
Net Event # 37	CTD # 35		
Latitude: 48 00.658 N		Longitude: 126 12.191 W	
deg	min.dec	deg	min.dec
Wire out: 1000	Wire angle: 5	Bottom Depth: 1747	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
2226	20914	Non-flow = pickled	

Notes: fur seal @ station

Date: 26 May 2017	Station: LC12	Time: 0453	LOCAL
Net Event # 39	CTD # 38		
Latitude: 48 14.975 N		Longitude: 126 40.338 W	
deg	min.dec	deg	min.dec
Wire out: 250	Wire angle: 10	Bottom Depth: 8215	
Net Type: B	Tow Type: VNH		
Flow start 20980	Flow end 22050	Flow = frozen	
		Non-flow = pickled	

Notes: removed pyrosoma in each cod-end

Date: 26 May 2017	Station: LC12 A4	Time: 0540	LOCAL
Net Event # 40	CTD # 38		
Latitude: 48 15.162 N		Longitude: 126 40.379 W	
deg	min.dec	deg	min.dec
Wire out: 1000	Wire angle: 5	Bottom Depth: 2715	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
22050	28278	Non-flow = pickled	

Notes: non flow side came up tangled - wire wrapped around frame.
preserved flow side, no frozen sample. Changed borpos

Date: 26 May 2017	Station: LC19/A3	Time: 1208	LOCAL
Net Event # 44	CTD # 43		
Latitude: 48 25.861 N		Longitude: 126 13.698 W	
deg	min.dec	deg	min.dec
Wire out: 250	Wire angle: 0	Bottom Depth: 613	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
2952	4700	Non-flow = pickled	

Notes:

TSK 4794



Plankton Net Tow Log Sheet

Cruise #: 2017-05 Vessel: Tully Page: 5

Project(s): La Perouse Contact: Moira

TSK Serial #: 4794 RBR serial #: 108

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

Date: 26 05 17	Station: A3	Time: 12 35	LOCAL
Net Event # 45	CTD # 43		
Latitude: 48 25.872 N	Longitude: 126 13.702 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 613	
Net Type: RING	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
82522	84405	Non-flow = pickled	
Notes: FOR EUGENY 64m MESH TSK 7133			

Date: 26 MAY 2017	Station: A2	Time: 14 13	LOCAL
Net Event # 47	CTD # 46	21 13 UTC	
Latitude: 48 22 69 N	Longitude: 126 03 83 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 352	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
4700	6321	Non-flow = pickled	
Notes: TSK 4794			

Date: 26 05 17	Station: A1	Time: 15:47	LOCAL
Net Event # 49	CTD # 48	22:55	
Latitude: 48 29.434 N	Longitude: 126 07.092 W 126 07.0806		
deg min.dec	deg min.dec		
Wire out: 190	Wire angle: 0	Bottom Depth: 199m	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
6321	7813	Non-flow = pickled	
Notes: TSK 4794			

Date: 26 05 17	Station: BG/LCOW	Time: 1756	LOCAL
Net Event # 52	CTD # 51	1805	
Latitude: 48 36.48 N	Longitude: 125 53.95 W		
deg min.dec	deg min.dec 94		
Wire out: 85	Wire angle: 20	Bottom Depth: 92	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
7813	8685	Non-flow = pickled	
Notes:			



Plankton Net Tow Log Sheet

Cruise #: 2017-05 Vessel: JPTOLLY Page: 6

Project(s): LAPERDUSE Contact: MOIRA

TSK Serial #: 4794 RBR serial #: 108

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

Date: 26 MAY 2017	Station: LC05/B5	Time: 1905 LOCAL
Net Event # 57	CTD # 53	0205 UTC
Latitude: 48 39.90 N	Longitude: 125 47.36 W	
deg min.dec	deg min.dec	
Wire out: 58	Wire angle: 15	Bottom Depth: 63
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
8685	9108	Non-flow = pickled

Notes:

Date: 26 MAY 2017	Station: LC04	Time: 2031 LOCAL
Net Event # 56	CTD # 55	0331 UTC
Latitude: 48 43.43 N	Longitude: 125 40.86 W	
deg min.dec	deg min.dec	
Wire out: 160	Wire angle: 8	Bottom Depth: 165
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
9108	10521	Non-flow = pickled

Notes:

Date: 27 May 2017	Station: LG02	Time: 0517 LOCAL
Net Event # 62	CTD # 61	21
Latitude: 49 18.70 N	Longitude: 126 38.24 W	
deg min.dec	deg min.dec	
Wire out: 88	Wire angle: 20	Bottom Depth: 48
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
10523	11105	Non-flow = pickled

Notes:

Date: 27 May 2017	Station: LG02	Time: 0529 LOCAL
Net Event # 63	CTD # 61	
Latitude: 49 18.63 N	Longitude: 126 38.15 W	
deg min.dec	deg min.dec	
Wire out: 8988	Wire angle: 0	Bottom Depth: 40 9998
Net Type: Ring	Tow Type: VNH	64 km
Flow start	Flow end	Flow = frozen
84463	85005	Non-flow = pickled

Notes: TSK 7133



Plankton Net Tow Log Sheet

Cruise #: 2017-05 Vessel: Tully Page: 7

Project(s): Laperouse Contact: Moira

TSK Serial #: 4794 RBR serial #: 108

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

Date: 27 May 2017	Station: LG04	Time: 0724	LOCAL
Net Event # 166	CTD # 65		
Latitude: 49 11.25 N	Longitude: 126 49.24 W		
deg min.dec	deg min.dec		
Wire out: 132	Wire angle: 5	Bottom Depth: 142	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
11105	11945	Non-flow = pickled	

Notes:

Date: 27 May 2017	Station: LG07	Time: 1118	LOCAL
Net Event # 69	CTD # 70		
Latitude: 48 59.37 N	Longitude: 127 07.46 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 20	Bottom Depth: 1750	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
11945	13713	Non-flow = pickled	

Notes:

Date: 27 May 2017	Station: LG09	Time: 2203	LOCAL
Net Event # 75	CTD # 73	0503 UTC	
Latitude: 48 51.31 N	Longitude: 127 19.28 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 7	Bottom Depth: 2050	
Net Type: RING	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
85005	86528	Non-flow = pickled	

Notes: EUGENY'S NET TSK 7133

Date: 28 May 2017	Station: LBP8	Time: 0612	LOCAL
Net Event # 77	CTD # 76		
Latitude: 49 48.60 N	Longitude: 128 16.81 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5	Bottom Depth: 2067	
Net Type: Ring	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
916930	98381	Non-flow = pickled	

Notes: 86930 Eugeny's net 88381



Plankton Net Tow Log Sheet

Cruise #: 2017.05 Vessel: Tully Page: 8

Project(s): Luperous Contact: Moira

TSK Serial #: 4794 RBR serial #: 108

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

Date: 28 May 2017	Station: LBP7	Time: 1018	LOCAL
Net Event # 80	CTD # 79		
Latitude: 49 51.6546 N	Longitude: 128 09.88 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 20	Bottom Depth: 2199	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
13714	15662	Non-flow = pickled	
Notes: 5 PRYAT ON BONGO FRAME, 1 removed 3 from pickled + preserved 2 separately			

Date: 28 May 2017	Station: LBP5	Time: 1407	LOCAL
Net Event # 83	CTD # 82	2107 UTC	
Latitude: 49 59 88 N	Longitude: 128 00 09 W		
deg min.dec	deg min.dec		
Wire out: 300	Wire angle: 0	Bottom Depth: 1200	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
15602	17684	Non-flow = pickled	
Notes:			

Date: 28.05.17	Station: LBP3	Time: 1613	LOCAL
Net Event # 86	CTD # 85	2313 UTC	
Latitude: 50 03.21 N	Longitude: 127 57.92 W		
deg min.dec	deg min.dec		
Wire out: 150	Wire angle: 20	Bottom Depth: 160	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
17684	18578	Non-flow = pickled	
Notes:			

Date: 28.05.17	Station: LBP3	Time: 1636	LOCAL
Net Event # 87	CTD # 85	2336 UTC	
Latitude: 50 03.19 N	Longitude: 127 55 00 W		
deg min.dec	deg min.dec		
Wire out: 150	Wire angle: 0	Bottom Depth: 160	
Net Type: RING	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
88381	89105	Non-flow = pickled	
Notes: EVGENY'S NET.			



Plankton Net Tow Log Sheet

Cruise #: 2017-05 Vessel: Tully Page: 9

Project(s): La Perouse Contact: Moira

TSK Serial #: 4794 RBR serial #: 108

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

Date: 28-05-17	Station: LBP2	Time: 1709	LOCAL
Net Event # 89	CTD # 88	0009 UR	
Latitude: 50° 04' 01" N	Longitude: 127° 57' 13" W		
deg min.dec	deg min.dec		
Wire out: 95	Wire angle: 0	Bottom Depth: 99	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
18578	19220	Non-flow = pickled	

Notes:

Date: 28-05-17	Station: CPE2	Time: 2252	LOCAL
Net Event # 92	CTD # 91	0552 UR	
Latitude: 50° 42' 95" N	Longitude: 128° 39' 94" W		
deg min.dec	deg min.dec		
Wire out: 120	Wire angle: 12	Bottom Depth: 125	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
19220	20722	Non-flow = pickled	

Notes:

Date: 29 May 2017	Station: LQ03	Time: 0139	LOCAL
Net Event # 94	CTD # 93		
Latitude: 50° 39' 98" N	Longitude: 129° 01' 54" W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 1119	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
19723	21071	Non-flow = pickled	

Notes: storm petrel swarm - 1 murrelet

Date: 29 May 2017	Station: J122	Time: 0406	LOCAL
Net Event # 96	CTD # 95		
Latitude: 50° 40' 22" N	Longitude: 129° 16' 75" W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 10	Bottom Depth: 1204	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
21071	22500	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 1705 Vessel: Tully Page: 10

Project(s): La perouse Contact: Moira

TSK Serial #: 4794 RBR serial #: 108

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

Date: 29 May 2017	Station: CS00	Time: 0858	LOCAL
Net Event # 198	CTD # 97		
Latitude: 50 27.445 N	Longitude: 129 54.33 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 7	Bottom Depth: 2168	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
22500	23990	Non-flow = pickled	

Notes: Dahl's at station
removed 1 P4osome from for side

Date: 29 May 2017	Station: CS01	Time: 1533	LOCAL
Net Event # 102	CTD # 101		
Latitude: 50 34.85 N	Longitude: 129 42.06 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 2102	
Net Type: Bongo	Tow Type: VNH		
Flow start 23991	Flow end 25235	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 29 May 2017	Station: CS02	Time: 1902	LOCAL
Net Event # 104	CTD # 103	0202 UTC	
Latitude: 50 40.85 N	Longitude: 129 26.39 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 13	Bottom Depth: 1893	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
25235	26848	Non-flow = pickled	

Notes:

Date: 29 May 2017	Station: CS02	Time: 1931	LOCAL
Net Event # 105	CTD # 103	0231 UTC	
Latitude: 50 40.55 N	Longitude: 129 26.33 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5	Bottom Depth: 1906	
Net Type: RING	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
89105	90586	Non-flow = pickled	

Notes: EVGENY'S NET. TSK 7133



Plankton Net Tow Log Sheet

Cruise #: 1705 Vessel: TULLY Page: 11
Project(s): CAPE SWIFT Contact: Moller
TSK Serial #: 4794 RBR serial #: 108
Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 29.05.17	Station: C503	Time: 2106	LOCAL
Net Event # 107	CTD # 106	0406 UTC	
Latitude: 50° 45' 42" N	Longitude: 129° 20' 28" W		
deg min.dec	deg min.dec		
Wire out: 240	Wire angle: 13	Bottom Depth: 247	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
26848	28390	Non-flow = pickled	

Notes:

Date: 29.05.17	Station: C504	Time: 2227	LOCAL
Net Event # 109	CTD # 108		
Latitude: 50° 49' 38" N	Longitude: 129° 13' 48" W		
deg min.dec	deg min.dec		
Wire out: 95	Wire angle: 15	Bottom Depth: 103	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
28390	28860	Non-flow = pickled	

Notes:

Date: 30 May 2017	Station: new ODAS	Time: 0301	LOCAL
Net Event # 111	CTD # 110		
Latitude: 50° 56' 26" N	Longitude: 129° 58' 32" W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5	Bottom Depth: 2100	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
28659	30220	Non-flow = pickled	

Notes: pyrosomes at surface. removed 1 from frozen side
some storm petrels around

Date: 30 May 17	Station: CS 3 B	Time: 0554	LOCAL
Net Event # 113	CTD # 112		
Latitude: 51° 00' 03" N	Longitude: 129° 27' 32" W		
deg min.dec	deg min.dec		
Wire out: 212	Wire angle: 20	Bottom Depth: 222	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
30220	3133	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 1705 Vessel: Tully Page: 12

Project(s): Laparouse Contact: Moira

TSK Serial #: 4794 RBR serial #: 108

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

Date: 30 May 2017	Station: CS05	Time: 0823	LOCAL
Net Event # 115	CTD # 114		
Latitude: 50 56.01 N	Longitude: 129 00.43 W		
deg min.dec	deg min.dec		
Wire out: 58	Wire angle: 15°	Bottom Depth: 65	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
31373	31405	Non-flow = pickled	
Notes: rem 1 AEG, 8 MOCE, 17 EUTIN from pickled			

Date: 30 MAY 17	Station: CS18	Time: 1001	LOCAL
Net Event # 117	CTD # 116		
Latitude: 50 53.12 N	Longitude: 128 40.22 W		
deg min.dec	deg min.dec		
Wire out: 69	Wire angle: 15	Bottom Depth: 73	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
31405	31530	Non-flow = pickled	
Notes: rem 1 AEG from pickled side			

Date: 30 May 2017	Station: CS06	Time: 1117	LOCAL
Net Event # 119	CTD # 118		
Latitude: 51 00.44 N	Longitude: 128 52.25 W		
deg min.dec	deg min.dec		
Wire out: 58	Wire angle: 18	Bottom Depth: 64	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
31530	31536	Non-flow = pickled	
Notes: G problem w/ flowmeter?			

Date: 30 May 2017	Station: CS07	Time: 1217	LOCAL
Net Event # 121	CTD # 120	1220	
Latitude: 51 04.7273 N	Longitude: 128 43.9298 W		
deg min.dec	deg min.dec		
Wire out: 58m	Wire angle: 25	Bottom Depth: 63m	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
31560	31550	Non-flow = pickled	
Notes: Something odd going on with flow meter.			



Plankton Net Tow Log Sheet

Cruise #: 2017-05 Vessel: Tully Page: 13

Project(s): La Perouse Contact: Moira

TSK Serial #: 4794 RBR serial #: 108

Time offset = +

hrs = UTC (please record local time for samples)

Date: 30-05-17	Station: CS08	Time: 1357 LOCAL
Net Event # 124	CTD # 123	2057 UTC
Latitude: 51° 08' 45" N	Longitude: 128° 35' 87" W	
deg min.dec	deg min.dec	
Wire out: 137	Wire angle: 5	Bottom Depth: 142
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
31635	32020	Non-flow = pickled

Notes:

Date: 30 MAY 2017	Station: CS09	Time: 1520 LOCAL
Net Event # 126	CTD # 125	2220 UTC
Latitude: 51° 12' 54" N	Longitude: 128° 27' 83" W	
deg min.dec	deg min.dec	
Wire out: 188	Wire angle: 0	Bottom Depth: 193
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
32020	33275	Non-flow = pickled

Notes:

Date: 30 MAY 2017	Station: CS09	Time: 1540 LOCAL
Net Event # 127	CTD # 125	2240
Latitude: 51° 12' 55" N	Longitude: 128° 28' 05" W	
deg min.dec	deg min.dec	
Wire out: 188	Wire angle: 15	Bottom Depth: 194
Net Type: RING	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
90585	91590	Non-flow = pickled

Notes: EUGENY'S NET, TSK 7133

Date: 30-05-2017	Station: CS10	Time: 1645 LOCAL
Net Event # 129	CTD # 128	2345 UTC
Latitude: 51° 16' 54" N	Longitude: 128° 19' 90" W	
deg min.dec	deg min.dec	
Wire out: 75m	Wire angle: 16	Bottom Depth: 80m
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
33275	33622	Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2017-05 Vessel: Tully Page: 14

Project(s): La Perouse Contact: Moira

TSK Serial #: 4794 RBR serial #: 108

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

Date: 30.05.2017	Station: 555	Time: 1844 LOCAL
Net Event # 131	CTD # 130	0144 UTC
Latitude: 51° 27.78 N	Longitude: 128° 29.86 W	
deg min.dec	deg min.dec	
Wire out: 195	Wire angle: 24	Bottom Depth: 205
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
33622	34460	Non-flow = pickled

Notes:

Date: 30.05.17	Station: 554	Time: 2125 LOCAL
Net Event # 134	CTD # 132	0425 UTC
Latitude: 51° 20.69 N	Longitude: 129° 00.04 W	
deg min.dec	deg min.dec	
Wire out: 238	Wire angle: 5	Bottom Depth: 242
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
34460	35998	Non-flow = pickled

Notes:

Date: 30.05.17	Station: 553	Time: 2340 LOCAL
Net Event # 136	CTD # 135	0640 UTC
Latitude: 51° 14.91 N	Longitude: 129° 21.31 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 12	Bottom Depth: 290
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
36040	38301	Non-flow = pickled

Notes: rem 1 MIOCE

froze 1 G42A53 in separate vial from froz side

Date: 31 May 2017	Station: 552	Time: LOCAL
Net Event # 138	CTD # 137	
Latitude: N	Longitude: W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle:	Bottom Depth:
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
		Non-flow = pickled

Notes:

cancelled crappy weather
same 551



Plankton Net Tow Log Sheet

Cruise #: 1705 Vessel: Tully Page: 15

Project(s): Cape Contact: Moira

TSK Serial #: 4794 RBR serial #: 108

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

Date: 31 May 2017	Station: 5508	Time: 0848	LOCAL
Net Event # 140	CTD # 139		
Latitude: 50 59.94 N	Longitude: 130 49.51 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 10	Bottom Depth: 2626	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
38492	40373	Non-flow = pickled	

Notes:

rem 1 pyrat from pickled side

Date: 31 May 17	Station: 550	Time: 0932	LOCAL
Net Event # 141	CTD # 139		
Latitude: 50 59.82 N	Longitude: 130 49.81 W		
deg min.dec	deg min.dec		
Wire out: 1000	Wire angle: 5	Bottom Depth: 2626	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
410373	41715	Non-flow = pickled	

Notes:

transferred 1 porfish frozen → pickled, + worm/anemone thing
rem 1 pyrat, 1 AEW from pickled side

Date: 31 May 2017	Station: NL01	Time: 2314	LOCAL
Net Event # 144	CTD # 143		0614 UTC
Latitude: 51 21 93 N	Longitude: 130 50.18 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 7	Bottom Depth: 2190	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
47730	50120	Non-flow = pickled	

Notes:

released OTRU from pickled side. froze 2 pyrat

Date: 1 June 2017	Station: NL02	Time: 0257	LOCAL
Net Event # 146	CTD # 145		
Latitude: 51 33 54 N	Longitude: 130 16.46 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 850.	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
50121	51825	Non-flow = pickled	

Notes:

rem 12" pyrat preserved, froze 2" pyrat separately
8" pyrat frozen



Plankton Net Tow Log Sheet

Cruise #: 1705 Vessel: Tully Page: 16
Project(s): Laper Contact: Molra
TSK Serial #: 4794 RBR serial #: 108
Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 1 Jun 2017	Station: NL03	Time: 0625	LOCAL
Net Event # 148	CTD # 147		
Latitude: 51 48.07 N	Longitude: 129 39.74 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 20	Bottom Depth: 292	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
51825	53336	Non-flow = pickled	

Notes: lots limacina

Date: 1 Jun 17	Station: NL04	Time: 0854	LOCAL
Net Event # 150	CTD # 149		
Latitude: 51 55.87 N	Longitude: 129 11.82 W		
deg min.dec	deg min.dec		
Wire out: 148	Wire angle: 13	Bottom Depth: 158	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
53336	54330	Non-flow = pickled	

Notes:

Date: 1 Jun 17	Station: NL05	Time: 1114	LOCAL
Net Event # 152	CTD # 151		
Latitude: 51 40.18 N	Longitude: 128 54.45 W		
deg min.dec	deg min.dec		
Wire out: 38	Wire angle: 0	Bottom Depth: 43	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
54330	54570	Non-flow = pickled	

Notes:

Date: 01.06.17	Station: GC51	Time: 1410	LOCAL
Net Event # 154	CTD # 153	2110	
Latitude: 51 42.05 N	Longitude: 128 14.18 W		
deg min.dec	deg min.dec		
Wire out: 123	Wire angle: 0	Bottom Depth: 128	
Net Type: BONGAO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
54570	55885	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2017-05 Vessel: JP TULLY Page: 17

Project(s): HECATE

Contact: MORIA

TSK Serial #: 4794

RBR serial #: 108

Time offset = +

hrs = UTC (please record local time for samples)

Date: 01-06-2017	Station: 557	Time: 1806	LOCAL
Net Event # 156	CTD # 155	0106	
Latitude: 51° 24' 59" N	Longitude: 127° 47' 49" W		
deg min.dec	deg min.dec		
Wire out: 125	Wire angle: 0	Bottom Depth: 125	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
55885	56510	Non-flow = pickled	

Notes:

Date: 01-06-17	Station: 556	Time: 1944	LOCAL
Net Event # 158	CTD # 157	0244 UTC	
Latitude: 51° 19' 86" N	Longitude: 127° 59' 67" W		
deg min.dec	deg min.dec		
Wire out: 166	Wire angle: 6	Bottom Depth: 174	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
56510	57052	Non-flow = pickled	

Notes:

Date: 01-06-17	Station: CPE1	Time: 2239	LOCAL
Net Event # 160	CTD # 159	0539 UTC	
Latitude: 51° 00' 01" N	Longitude: 127° 49' 69" W		
deg min.dec	deg min.dec		
Wire out: 152	Wire angle: 13	Bottom Depth: 157	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
57052	58035	Non-flow = pickled	

Notes: WRONG FLOW END, SHOULD BE 59035

Date: 2 JUN 2017	Station: 14	Time: 1430	LOCAL
Net Event # 162	CTD # 161	2130 UTC	
Latitude: 49° 52' 95" N	Longitude: 124° 59' 69" 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	
58035	60682	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2017-05 Vessel: Tully Page: 18

Project(s): Strait of Georgia Contact: Moira

TSK Serial #: 4794 RBR serial #: 108

Time offset = +

hrs = UTC (please record local time for samples)

Date: 02-06-2017	Station: 11	Time: 1802 LOCAL
Net Event # 165	CTD # 164	0102 UTC
Latitude: 49° 42.41' N	Longitude: 124° 43.49' W	
deg min.dec	deg min.dec	
Wire out: 290	Wire angle: 0	Bottom Depth: 298
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
60682	62040	Non-flow = pickled
Notes:		

Date: 02-06-17	Station: CPF2	Time: 2048 LOCAL
Net Event # 167	CTD # 166	0348 UTC
Latitude: 49° 28.06' N	Longitude: 124° 30.05' W	
deg min.dec	deg min.dec	
Wire out: 315	Wire angle: 0	Bottom Depth: 321
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
62040	63730	Non-flow = pickled
Notes:		

Date: 02-06-17	Station: CPF1	Time: 2334 LOCAL
Net Event # 169	CTD # 168	0634 UTC
Latitude: 49° 21.97' N	Longitude: 124° 04.94' W	
deg min.dec	deg min.dec	
Wire out: 238	Wire angle: 5	Bottom Depth: 243
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
63730	65016	Non-flow = pickled
Notes:		

Date: 3 June 2017	Station: 22	Time: 2:41 LOCAL
Net Event # 171	CTD # 170	
Latitude: 49° 40.31' N	Longitude: 124° 16.40' W	
deg min.dec	deg min.dec	
Wire out: 348	Wire angle: 0	Bottom Depth: 354
Net Type: B	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
65025	66856	Non-flow = pickled
Notes:		

rem 1 AEG from preserved
1 sm. juv hake in frozen



Plankton Net Tow Log Sheet

Cruise #: 2017-05 Vessel: Tully Page: 19

Project(s): Laper - 509 Contact: Monra

TSK Serial #: 4794 RBR serial #: 108

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

Date: 3 June 2017	Station: 24	Time: 0450	LOCAL
Net Event # 173	CTD # 172		
Latitude: 49 deg 30.33 min.dec N	Longitude: 124.06.05 deg min.dec W		
Wire out: 419	Wire angle: 0	Bottom Depth: 423	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
66856	69044	Non-flow = pickled	

Notes:

Date: 3 June 2017	Station: 28	Time: 0658	LOCAL
Net Event # 175	CTD # 174		
Latitude: 49 deg 24.06 min.dec N	Longitude: 123.45.33 deg min.dec W		
Wire out: 130	Wire angle: 0	Bottom Depth: 135	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
69044	69621	Non-flow = pickled	

Notes: plume

Date: 03-06-2017	Station: GEO 1	Time:	LOCAL
Net Event # 178	CTD # 177		
Latitude: deg min.dec N	Longitude: deg min.dec W		
Wire out: 390	Wire angle: 0	Bottom Depth: 400	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
69622	71675	Non-flow = pickled	

Notes: plume

Date: 3 JUN 2017	Station: 38	Time: 1311	LOCAL
Net Event # 181	CTD # 180	2011 UTC	
Latitude: 49 deg 12.02 min.dec N	Longitude: 123.26.55 deg min.dec W		
Wire out: 298	Wire angle: 9	Bottom Depth: 306	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
71675	73048	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2017-05 Vessel: JPTOLY Page: 20

Project(s): SGG Contact: MOIRA

TSK Serial #: 4794 RBR serial #: 108

Time offset = +

hrs = UTC (please record local time for samples)

Date: 03.06.17	Station: 41	Time: 1504 LOCAL
Net Event #: 183	CTD #: 182	2204 UTC
Latitude: 49° 03.06' N	Longitude: 123° 22.51' W	
deg min.dec	deg min.dec	
Wire out: 240	Wire angle: 15	Bottom Depth: 245
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
73048	74220	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:



Plankton Net Tow Log Sheet

Cruise #: _____ Vessel: _____ Page: _____
Project(s): _____ Contact: _____
TSK Serial #: _____ RBR serial #: _____
Time offset = + _____ hrs = UTC (please record local time for samples)

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:			

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:			

MULTINET Log Sheet

Cruise: 2017-05 Station: LG09 Date: 27 May 2017
 Event #: 74 Local Time: 1854 Area: ESTEYAN
 CTD #: 73 Bottom Depth: 2051 Project: LaP

NET	(local) Time	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m ³)	Comments
1	2009	2000-1500	4851.07	127 19.30	137	7.6 Volts
2	2021	1500-1000	4851.08	127 19.35	130	7.5 Volts
3	2040	1000-500	4851.07	127 19.36	117	7.5 V
4	2101	500-250	4851.02	127 19.41	58	7.5 V
5	2107	250-0	4851.01	127 19.41	67	7.5V LOSS OF NEO
5	2113		4850.99	127 19.35		

(coming up)

Comments:

Vertical 400m AT 500, 300, 100 BATT 7.9 TO START
 Angle: 40°

Cruise: 2017-05 Station: LB08 Date: 28 May 2017
 Event #: 78 Local Time: 06:34 Area: Brook Peninsula
 CTD #: 76 Bottom Depth: 2062 Project: La Perouse

NET	local Time	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m ³)	Comments
1	07:20	1000-750	49°48.50	128°16.52	75	
2	07:25	750-500	49°48.45	128°16.49	76	
3	07:30	500-250	49°48.41	128°16.43	73	
4	07:35	250-50	49°48.37	128°16.39	57	
5	07:40	50-0	49°48.34	128°16.36	15	full doliolids 500mL jar
	07:41		49°48.33	128°16.35		at surface

Comments:

BATT START: 7.8V

Vertical

dense layer 50-0
 light 150-50
 not much else

> 18kHz