

Plankton Net Tow Log Sheet

Cruise #: 2014-21 Vessel: TOLLY Page: 1

Project(s): LA PEROUSE Contact: MEIRA

TSK Serial #: 7131

Date: 28/5/14	Station: E1	Time: 1157 (LOCAL)
Net Event # 7	CTD # 6	1857 not UTC
Latitude: 48° 31.76' N		Longitude: 125° 03.66' W
deg min.dec		deg min.dec
Wire out: 105	Wire angle: 5	Bottom Depth: 115
Net Type: BONGO	Tow Type: VNH	
Flow start 62270	Flow end 63122	Flow = frozen
		Non-flow = pickled

Notes: RBR: 105.6

Date: 28-05-14	Station: C1	Time: 1458 (LOCAL)
Net Event # 11	CTD # 10	not UTC
Latitude: 48° 28.92' N		Longitude: 125° 15.20' W
deg min.dec		deg min.dec
Wire out: 143	Wire angle: 0	Bottom Depth: 153
Net Type: BONGO	Tow Type: VNH	
Flow start 63245	Flow end 64573	Flow = frozen
		Non-flow = pickled

Notes: RBR: 142.6

Date: 28-05-14	Station: C2	Time: 1410 (LOCAL)
Net Event # 13	CTD # 12	2310 not UTC
Latitude: 48° 26.05' N		Longitude: 125° 09.28' W
deg min.dec		deg min.dec
Wire out: 152	Wire angle: 10	Bottom Depth: 162
Net Type: BONGO	Tow Type: VNH	
Flow start 64573	Flow end 65818	Flow = frozen
		Non-flow = pickled

Notes: 147.2

Date: 28-05-14	Station: C3	Time: 1823 (LOCAL)
Net Event # 15	CTD # 14	not UTC
Latitude: 48° 23.46' N		Longitude: 125° 20.7' W
deg min.dec		deg min.dec
Wire out: 114	Wire angle: 5	Bottom Depth: 124
Net Type: BONGO	Tow Type: VNH	
Flow start 65818	Flow end 66825	Flow = frozen
		Non-flow = pickled

Notes: PIN SLIPPED? RELEASE OCTOL

111.6



Plankton Net Tow Log Sheet

Cruise #: 2014-21 Vessel: Tully Page: 2

Project(s): LAPEROUSE Contact:

TSK Serial #:

Date: 28.05.14	Station: W307	Time: 1926 (LOCAL)
Net Event # 16	CTD # 17	0226 not UTC
Latitude: 48 deg	28.67 min.dec N	Longitude: 125.21.95 deg min.dec W
Wire out: 146	Wire angle: 10	Bottom Depth: 156
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
66827	68512	Non-flow = pickled

Notes: 145.8

Date: 28.05.14	Station: W308	Time: 2040 (LOCAL)
Net Event # 18	CTD # 19	0340 not UTC
Latitude: 48 deg	25.27 min.dec N	Longitude: 125.28.59 deg min.dec W
Wire out: 130	Wire angle: 5	Bottom Depth: 140
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
68512	69782	Non-flow = pickled

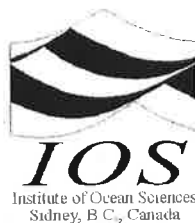
Notes: 129.6 130

Date: 28.05.14	Station: B8	Time: 2243 (LOCAL)
Net Event # 20	CTD # 21	0543 not UTC
Latitude: 48.34.49 deg	min.dec N	Longitude: 125.29.92 deg min.dec W
Wire out: 105	Wire angle: 8	Bottom Depth: 114
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
69788	71186	Non-flow = pickled

Notes: 106.0

Date: May 14	Station: B7	Time: 1206 (LOCAL)
Net Event # 23	CTD # 22	not UTC
Latitude: 48 deg	31.97 min.dec N	Longitude: 125.35.47 deg min.dec W
Wire out: 70	Wire angle: 5	Bottom Depth: 81
Net Type: Bongo	Tow Type: VNH	
Flow start 71108	Flow end 71722	Flow = frozen
		Non-flow = pickled

Notes: 71



Plankton Net Tow Log Sheet

Cruise #: 2014-21 Vessel: TULLY

Page: 3

Project(s): LA PEROUSE Contact:

TSK Serial #:

Date: 29/5/14	Station: LB11	Time: 0521 (LOCAL)
Net Event # 27	CTD # 26	not UTC
Latitude: 48° 15' 16" N	Longitude: 125° 47' 60" W	
deg min.dec	deg min.dec	
Wire out: 195	Wire angle: 0	Bottom Depth: 205
Net Type: VNH	Tow Type: BONGO	
Flow start: 71722	Flow end: 73225	Flow = frozen
		Non-flow = pickled
Notes: 197		

Date: 29 MAY 2014	Station: LB16	Time: 1310 (LOCAL)
Net Event # 34	CTD # 35	2010 not UTC
Latitude: 48° 00' 56" N	Longitude: 126° 17' 02" W	
deg min.dec	deg min.dec	
Wire out: 350	Wire angle: 0	Bottom Depth: 1785
Net Type: BONGO	Tow Type: VNH	
Flow start: 73234	Flow end: 75862	Flow = frozen
		Non-flow = pickled
Notes: LAYER AT 50 WIMACINA 351m " " 250 NEOCR		

Date: 30 MAY 14	Station: MAYNE	Time: 10140 (LOCAL)
Net Event # 40	CTD # 39	not UTC
Latitude: 48° 58' 96" N	Longitude: 125° 18' 76" W	
deg min.dec	deg min.dec	
Wire out: 35	Wire angle: 0	Bottom Depth: 40
Net Type: BONGO	Tow Type: VNH	
Flow start: 75862	Flow end: 76040	Flow = frozen
		Non-flow = pickled
Notes: JUST TO SEE WHAT IS HERE, VERY BROWN 35.7 PSEUDONITZCHIA + THALASSIOTHRIX		

Date: 30 MAY 14	Station: EFF05	Time: 2101 (LOCAL)
Net Event # 45	CTD # 44	not UTC
Latitude: 49° 02' 53" N	Longitude: 125° 09' 15" W	
deg min.dec	deg min.dec	
Wire out: 191	Wire angle: 0	Bottom Depth: 201
Net Type: BONGO	Tow Type: VNH	
Flow start: 76040	Flow end: 77055	Flow = frozen
		Non-flow = pickled
Notes: 191		



Plankton Net Tow Log Sheet

Cruise #: 2014-21 Vessel: Tully Page: 4

Project(s): LAPEROUSE Contact: MOIRA

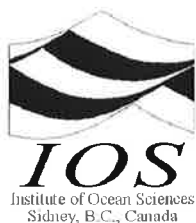
TSK Serial #:

Date: 30 05 14	Station: EFF 10	Time: 2259 (LOCAL)
Net Event # 51	CTD # 50	0559 not UTC
Latitude: 48 59.85 N	Longitude: 125 11.21 W	
deg min.dec	deg min.dec	
Wire out: 90	Wire angle: 0	Bottom Depth: 99
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
77055	77542	Non-flow = pickled
Notes: 90.7		

Date: 31 05 14	Station: LCO5	Time: 0620 (LOCAL)
Net Event # 60	CTD # 59	not UTC
Latitude: 48 40 142 N	Longitude: 125 47 316 W	
deg min.dec	deg min.dec	
Wire out: 53	Wire angle: 10	Bottom Depth: 63
Net Type: Bongo	Tow Type: VNH	
Flow start 77542	Flow end 78573	Flow = frozen
	MAY HAVE	Non-flow = pickled
Notes: RBR = 41.5 m MISREAD FLOWEND - SEE FOLLOWING START		

Date: 31 MAY 14	Station: LCO6	Time: 846 (LOCAL)
Net Event # 62	CTD # 61	07:46 not UTC
Latitude: 48 36 50 N	Longitude: 125 53 90 W	
deg min.dec	deg min.dec	
Wire out: 82	Wire angle: 30	Bottom Depth: 82
Net Type: Bongo	Tow Type: VNH	
Flow start 78073	Flow end 78921	Flow = frozen
		Non-flow = pickled
Notes: RBR = 71 m		

Date: 31 MAY 14	Station: LCO8	Time: 1728 (LOCAL)
Net Event # 65	CTD # 64	10:28 not UTC
Latitude: 48 29 44 N	Longitude: 126 06 98 W	
deg min.dec	deg min.dec	
Wire out: 185	Wire angle: 0	Bottom Depth: 195
Net Type: Bongo	Tow Type: VNH	
Flow start 78942	Flow end 80751	Flow = frozen
		Non-flow = pickled
Notes: 184.4		



Plankton Net Tow Log Sheet

Cruise #: 2014-21 Vessel: Tully Page: 5

Project(s): LaPerouse Contact: Noira

TSK Serial #:

Date: 21 MAR 2014	Station: A2	Time: 11:51:20 (LOCAL)
Net Event # 67	CTD # 66	1905 not UTC
Latitude: 48° 22.75' N	Longitude: 126° 03.70' W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 10	Bottom Depth: 352 m
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
80748	82526	Non-flow = pickled

Notes: 249m

Date: 31-05-14	Station: 109 (A3)	Time: 1512 (LOCAL)
Net Event # 70	CTD # 69	not UTC
Latitude: 48° 25.94' N	Longitude: 126° 13.72' W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 5	Bottom Depth: 600 m
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
82526	84540	Non-flow = pickled

Notes: 250m

GLASS BALL

Date: 7 JUN 2014	Station: LD11	Time: 00:14 (LOCAL)
Net Event # 74	CTD # 75	not UTC
Latitude: 48° 28.73' N	Longitude: 126° 43.07' W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 2588
Net Type: BONGO	Tow Type: VNH	
Flow start 84558	Flow end 86740	Flow = frozen
		Non-flow = pickled

Notes: 248m

Date: 7 JUN 2014	Station: LD09	Time: 13:38 (LOCAL)
Net Event # 78	CTD # 77	not UTC
Latitude: 48° 35.69' N	Longitude: 126° 29.88' W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 1053
Net Type: BONGO	Tow Type: VNH	
Flow start 86742	Flow end 88963	Flow = frozen
		Non-flow = pickled

Notes: 249



Plankton Net Tow Log Sheet

Cruise #: 2014-21 Vessel: TULLY Page: 61
 Project(s): LAPEROUSE Contact: MOIRA
 TSK Serial #:

Date: 01 06 14	Station: DAL001	Time: 1217	(LOCAL)
Net Event # 84	CTD # 83	not UTC	
Latitude: 48° 53.39 N	Longitude: 125° 56.93 W		
deg min.dec	deg min.dec		
Wire out: 55	Wire angle: 60	Bottom Depth: 61	
Net Type: Bongo	Tow Type: VNH		
Flow start 89065	Flow end 89382	Flow = frozen	
		Non-flow = pickled	

Notes: 54

Date: 01 06 14	Station: D1	Time: 13:41	(LOCAL)
Net Event # 87	CTD # 86	not UTC	
Latitude: 48° 58.54 N	Longitude: 125° 46.97 W		
deg min.dec	deg min.dec		
Wire out: 37	Wire angle: 0	Bottom Depth: 12	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
89382	89605	Non-flow = pickled	

Notes: 38

Date: 01 06 14	Station: LG02	Time: 19:578	(LOCAL)
Net Event # 91	CTD # 90	not UTC	
Latitude: 49° 10.68 N	Longitude: 126° 38.64 W		
deg min.dec	deg min.dec		
Wire out: 97	Wire angle: 5	Bottom Depth: 102	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
89605	90535	Non-flow = pickled	

Notes: 96

Date: 01 06 14	Station: LG04	Time: 2224	(LOCAL)
Net Event # 94	CTD # 93	not UTC	
Latitude: 49° 11.77 N	Longitude: 126° 49.42 W		
deg min.dec	deg min.dec		
Wire out: 130	Wire angle: 13	Bottom Depth:	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
90535	91335	Non-flow = pickled	

Notes: 131



Plankton Net Tow Log Sheet

Cruise #: 2014-21 Vessel:

Page: 7

Project(s): LBP

Contact: MOIRA

TSK Serial #: 7131

Date: 3 JUN 2014	Station: LBP5	Time: 13:47 (LOCAL)
Net Event # 108	CTD # 107	not UTC
Latitude: 49° 59.82 N	Longitude: 128° 00.21 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 5	Bottom Depth: 1293
Net Type: Bongo	Tow Type: VNH	
Flow start 91815	Flow end 93980	Flow = frozen
		Non-flow = pickled

Notes: ~~Plan~~ CANCELLED DUE TO WEATHER → LBP7/09 LBP8/7
REMOVED 1 WPARID

Date: 03-06-14	Station: LBP3	Time: 10:24 30 (LOCAL)
Net Event # 111	CTD # 110	not UTC
Latitude: 50° 03.24 N	Longitude: 127° 55.24 W	
deg min.dec	deg min.dec	
Wire out: 155	Wire angle: 12	Bottom Depth: 163
Net Type: Bongo	Tow Type: VNH	
Flow start 93985	Flow end 94392	Flow = frozen
		Non-flow = pickled

Notes: 153

Date: 03-06-14	Station: LBP2	Time: 16:57 (LOCAL)
Net Event # 112	CTD # 111	not UTC
Latitude: 50° 04.05 N	Longitude: 127° 54.14 W	
deg min.dec	deg min.dec	
Wire out: 97	Wire angle: 10	Bottom Depth: 90
Net Type: Bongo	Tow Type: VNH	
Flow start 94392	Flow end 95045	Flow = frozen
		Non-flow = pickled

Notes: Did not get frozen sample in freezer until 00:23 (local) 4 JUN 2014
89m OOPS!!

Date: 04 JUN 2014	Station: CPE2	Time: 12:17 (LOCAL)
Net Event # 118	CTD # 117	not UTC
Latitude: 50° 43.27 N	Longitude: 128° 39.79 W	
deg min.dec	deg min.dec	
Wire out: 110	Wire angle: 0	Bottom Depth: 122
Net Type: Bongo	Tow Type: VNH	
Flow start 95907	Flow end 95771	Flow = frozen
950457		Non-flow = pickled

Notes: May have misread Flow end!

99m

start



Plankton Net Tow Log Sheet

Cruise #: 2014-21 Vessel: Tully Page: 8

Project(s): La Penouse Contact: Moira

TSK Serial #: 7131

Date: 04 JUN 2014	Station: LQ03	Time: 03:10 (LOCAL)
Net Event # 120	CTD # 119	not UTC
Latitude: 50° 39.78 N	Longitude: 129° 01.84 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0°	Bottom Depth: 1222
Net Type: Bongo	Tow Type: VNH	
Flow start 95770	Flow end 97777	Flow = frozen
		Non-flow = pickled

Notes: 239

Date: 4 JUN 2014	Station: J122	Time: 05:57 (LOCAL)
Net Event # 122	CTD # 121	not UTC
Latitude: 50° 39.88 N	Longitude: 129° 17.05 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 1237
Net Type: Bongo	Tow Type: VNH	
Flow start 97777	Flow end 09532	Flow = frozen
	100532	Non-flow = pickled

Notes: 250m

Date: 4 JUN 2014	Station: CS00	Time: 1058 (LOCAL)
Net Event # 124	CTD # 123	not UTC
Latitude: 50° 27.65 N	Longitude: 129° 54.80 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 2170
Net Type: Bongo	Tow Type: VNH	
Flow start 00532	Flow end 01129	Flow = frozen
		Non-flow = pickled

Notes: VELELLA

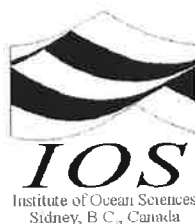
251m

Date: 4 JUN 2014	Station: CS01	Time: 1636 (LOCAL)
Net Event # 129	CTD # 128	not UTC
Latitude: 50° 34.93 N	Longitude: 129° 41.61 W	
deg min.dec	deg min.dec	
Wire out: 350	Wire angle: 10	Bottom Depth: 2106
Net Type: Bongo	Tow Type: VNH	
Flow start 1130	Flow end 3497	Flow = frozen
		Non-flow = pickled

Notes: VELELLA

LAYER AT 300 -> MYCTOPHIDS ON NEO/KRILL

343m



Plankton Net Tow Log Sheet

Cruise #: 2014-21 Vessel: Tully Page: 9

Project(s): La Perouse Contact: MOIRA

TSK Serial #: 7131

Date: 1 JUN 2014	Station: CS02	Time: 19:49 (LOCAL)
Net Event # 131	CTD # 130	0249 not UTC
Latitude: 50° 41.26' N	Longitude: 129° 28.01' W	
deg min.dec	deg min.dec	
Wire out: 300	Wire angle: 0	Bottom Depth: 1902
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
3497	5258	Non-flow = pickled
Notes: VELELLA HUMPIES 1 GROUP OF 5 PLUS 300m		

Date: 04 06 14	Station: CS03	Time: 2110 (LOCAL)
Net Event # 133	CTD # 132	0410 not UTC
Latitude: 50° 45.54' N	Longitude: 129° 20.04' W	
deg min.dec	deg min.dec	
Wire out: 235	Wire angle: 10°	Bottom Depth: 243
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
5258	6808	Non-flow = pickled
Notes: 235m HERRING ON 18/38 KHZ		

Date: 04 06 14	Station: CS04	Time: 22:55 (LOCAL)
Net Event # 135	CTD # 134	not UTC
Latitude: 50° 49.02' N	Longitude: 129° 13.22' W	
deg min.dec	deg min.dec	
Wire out: 91	Wire angle: 0	Bottom Depth: 101
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
6810	7545	Non-flow = pickled
Notes: 92		

Date: 5/6/14	Station: ODAS	Time: 0245 (LOCAL)
Net Event # 137	CTD # 136	not UTC
Latitude: 50° 51.11' N	Longitude: 129° 51.53' W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle:	Bottom Depth: 2054
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
07519	09091	Non-flow = pickled 0
Notes: 250		



Plankton Net Tow Log Sheet

Cruise #: 2014-21 Vessel: Tully Page: 10
Project(s): La Prouse Contact: Motra
TSK Serial #: 7131

Date: 5 Jun 2014	Station: CS3B	Time: 5:17 (LOCAL)
Net Event # 139	CTD # 138	not UTC
Latitude: 50 59 99 N	Longitude: 129 26 97 W	
deg min.dec	deg min.dec	
Wire out: 210	Wire angle: 0	Bottom Depth: 221
Net Type: Bongo	Tow Type: VNH	
Flow start 09091	Flow end 105533	Flow = frozen
		Non-flow = pickled

Notes: 203 m

Date: 5 Jun 2014	Station: CS05	Time: 0728 29 (LOCAL)
Net Event # 141	CTD # 140	not UTC
Latitude: 50 55 99 N	Longitude: 128 59 99 W	
deg min.dec	deg min.dec	
Wire out: 55	Wire angle: 0	Bottom Depth: 65
Net Type: Bongo	Tow Type: VNH	
Flow start 10527	Flow end 11961	Flow = frozen
		Non-flow = pickled

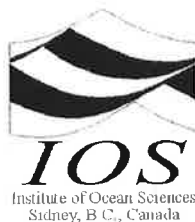
Notes: 55 m above should be 10961

Date: 5/6/14	Station: CS1B	Time: 09:07 (LOCAL)
Net Event # 143	CTD # 142	not UTC
Latitude: 50 53 01 N	Longitude: 128 40 07 W	
deg min.dec	deg min.dec	
Wire out: 64	Wire angle: 0	Bottom Depth: 74
Net Type: Bongo	Tow Type: VNH	
Flow start 10161	Flow end 11575	Flow = frozen
		Non-flow = pickled

Notes: 57 m

Date: 5 Jun 2014	Station: CS06	Time: 1047 41 (LOCAL)
Net Event # 145	CTD # 144	not UTC
Latitude: 51 00 06 N	Longitude: 128 51 87 W	
deg min.dec	deg min.dec	
Wire out: 55	Wire angle: 0	Bottom Depth: 65
Net Type: Bongo	Tow Type: VNH	
Flow start 11575	Flow end 11955	Flow = frozen
		Non-flow = pickled

Notes: 51 m



Plankton Net Tow Log Sheet

Cruise #: 2014-21 Vessel: TULLY Page: 11
 Project(s): Le Proux Contact: Macka
 TSK Serial #: 7131

Date: <u>05 06 14</u>	Station: <u>C507</u>	Time: <u>1916</u> (LOCAL)
Net Event # <u>161</u>	CTD # <u>159</u>	<u>0216</u> not UTC
Latitude: <u>51° 04.47</u> N	Longitude: <u>128° 44.10</u> W	
deg min.dec	deg min.dec	
Wire out: <u>60</u>	Wire angle: <u>5°</u>	Bottom Depth: <u>65</u>
Net Type: <u>Bongo</u>	Tow Type: <u>VNH</u>	
Flow start <u>14875</u>	Flow end <u>15132</u>	Flow = frozen
		Non-flow = pickled

Notes: 58.7 m

Date: <u>05 06 14</u>	Station: <u>C508</u>	Time: <u>2027</u> (LOCAL)
Net Event # <u>163</u>	CTD # <u>162</u>	<u>0327</u> not UTC
Latitude: <u>51° 08.46</u> N	Longitude: <u>128° 36.02</u> W	
deg min.dec	deg min.dec	
Wire out: <u>135</u>	Wire angle: <u>0</u>	Bottom Depth: <u>145</u>
Net Type: <u>Bongo</u>	Tow Type: <u>VNH</u>	
Flow start	Flow end	Flow = frozen
<u>15132</u>	<u>15887</u>	Non-flow = pickled

Notes: 134.5 m

Date: <u>05 06 14</u>	Station: <u>C509</u>	Time: <u>21:48</u> (LOCAL)
Net Event # <u>165</u>	CTD # <u>164</u>	not UTC
Latitude: <u>51° 04.47</u> N	Longitude: <u>128° 27.99</u> W	
deg min.dec	deg min.dec	
Wire out: <u>190</u>	Wire angle: <u>10</u>	Bottom Depth: <u>190</u>
Net Type: <u>Bongo</u>	Tow Type: <u>VNH</u>	
Flow start	Flow end	Flow = frozen
<u>15890</u>	<u>16991</u>	Non-flow = pickled

Notes: 185 m

Date: <u>05 06 14</u>	Station: <u>C510</u>	Time: <u>2252</u> (LOCAL)
Net Event # <u>167</u>	CTD # <u>166</u>	<u>0552</u> not UTC
Latitude: <u>51° 16.54</u> N	Longitude: <u>128° 20.08</u> W	
deg min.dec	deg min.dec	
Wire out: <u>72</u>	Wire angle: <u>~10°</u>	Bottom Depth: <u>82</u>
Net Type: <u>Bongo</u>	Tow Type: <u>VNH</u>	
Flow start	Flow end	Flow = frozen
<u>16992</u>	<u>17475</u>	Non-flow = pickled

Notes: 64 m



Plankton Net Tow Log Sheet

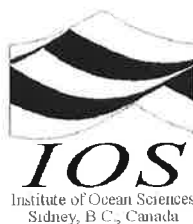
Cruise #: 2014-21 Vessel: TULLY Page: 12
Project(s): L2 Prouse Contact: Mosca
TSK Serial #: 7131

Date: 6 JUN 2014	Station: U8C 7	Time: 0207 (LOCAL)
Net Event # 169	CTD # 168	not UTC
Latitude: 51 29 95 N	Longitude: 127 48 97 W	
deg min.dec	deg min.dec	
Wire out: 150	Wire angle: 0	Bottom Depth: 161
Net Type: BONGO	Tow Type: VMH	
Flow start 17475	Flow end 18399	Flow = frozen
		Non-flow = pickled
Notes: 150 (WRONG 18299)		

Date: 6 JUN 2014	Station: CPE 1	Time: 0541 (LOCAL)
Net Event # 171	CTD # 170	not UTC
Latitude: 50 59 90 N	Longitude: 127 49 85 W	
deg min.dec	deg min.dec	
Wire out: 145	Wire angle: 0	Bottom Depth: 155
Net Type: BONGO	Tow Type: VMH	
Flow start 18299	Flow end 19129	Flow = frozen
		Non-flow = pickled
Notes: 145m		

Date: 7/6/14	Station: CPF2	Time: 00:34 (LOCAL)
Net Event # 173	CTD # 172	not UTC
Latitude: 49 27 87 N	Longitude: 124 29 95 W	
deg min.dec	deg min.dec	
Wire out: 50	Wire angle: 0	Bottom Depth: 330
Net Type: BONGO	Tow Type: VMH	
Flow start 19129	Flow end 19525	Flow = frozen
		Non-flow = pickled
Notes: 50m		

Date: 7/6/14	Station: CPF2	Time: 00:56 (LOCAL)
Net Event # 174	CTD # 172	not UTC
Latitude: 49 27 93 N	Longitude: 124 30 04 W	
deg min.dec	deg min.dec	
Wire out: 320	Wire angle: 0	Bottom Depth: 330
Net Type: BONGO	Tow Type: VMH	
Flow start 19525	Flow end 20123	Flow = frozen
		Non-flow = pickled
Notes: 319m		



Plankton Net Tow Log Sheet

Cruise #: 2014-21 Vessel: TULLY Page: 13

Project(s): LAFEROUSE Contact: MORA

TSK Serial #: 7131

Date: 7 Jun 14	Station: CPF1	Time: 0305 (LOCAL)
Net Event # 176	CTD # 175	not UTC
Latitude: 49 21 95 N	Longitude: 124 04 74 W	
deg min.dec	deg min.dec	
Wire out: 50	Wire angle: 0	Bottom Depth: 245
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
20124	21411	Non-flow = pickled

Notes: 50m

Date: 7 Jun 2014	Station: CPF1	Time: 0321 (LOCAL)
Net Event # 177	CTD # 175	not UTC
Latitude: 49 21 95 N	Longitude: 124 04 72 W	
deg min.dec	deg min.dec	
Wire out: 235	Wire angle: 5	Bottom Depth: 245
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
21411	23661	Non-flow = pickled

Notes: 235m

WRONG 22661

Date: 7 Jun 2014	Station: Geo 1	Time: 0712 (LOCAL)
Net Event # 180	CTD # 178	not UTC
Latitude: 49 14 94 N	Longitude: 123 44 88 W	
deg min.dec	deg min.dec	
Wire out: 390	Wire angle: 0	Bottom Depth: 402
Net Type: Bongo	Tow Type: VNH	
Flow start 22661	Flow end 24792	Flow = frozen
		Non-flow = pickled

Notes: 390m

Date:	Station:	Time: (LOCAL)
Net Event #	CTD #	not UTC
Latitude:	Longitude:	
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 #:

Date:	Station:	Time:	(LOCAL)
Net Event #	CTD #		not UTC
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:

Date:	Station:	Time:	(LOCAL)
Net Event #	CTD #		not UTC
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:

Date:	Station:	Time:	(LOCAL)
Net Event #	CTD #		not UTC
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:

Date:	Station:	Time:	(LOCAL)
Net Event #	CTD #		not UTC
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:

MULTINET Log Sheet

2014-05-30-01-36-18.HBL

Cruise: 2014-21

Station: LC12

Date: 29-05-14

Event #: 37

Local Time: 1818

Area: LAPEROUSE

CTD #: 36

Bottom Depth: 2526

Project: UTC 0118 START

NET	Time	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m³)	Comments
1	02:34	2000-1000	48°15.05	126°39.95	269	DOWN @ 0.5M/SEC
2	02:57	1000-750	48°15.03	126°39.93	64	UP @ 0.75M/SEC
3	03:02	750-500	48°15.03	126°39.94	46	
4	03:06	500-250	48°15.04	126°39.95	82	
5	03:14	250-0	48°15.02	126°39.96	74	

Comments: CLOCK ON COMPUTER 18 MINUTES FAST

2014-05-30-04-60-33.HBL

Cruise: 2014-21

Station: LC12

Date: 29-05-14

Event #: 38

Local Time:

Area: LAPEROUSE

CTD #: 36

Bottom Depth: 2521

Project: UTC 0342 START

NET	Time	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m³)	Comments
1	4:57	2000-1500	48°15.03	126°40.02	180	DOWN 0.5M/SEC UP @ 0.3M/SEC
2	5:22	1500-1000	48°15.06	126°40.02	140	UP @ 0.3M/SEC
3	5:43	1000-500	48°15.07	126°40.01	131	UP @ 0.7M/SEC
4	5:57	500-250	48°15.08	126°39.97	64	
5	6:03	250-0	48°15.07	126°39.92	74	

Comments:

MULTINET Log Sheet

Cruise: 2014-21 Station: C500 Date: 4 May 2014
 Event #: 125 Local Time: 1123 Area: LAP (Cape Scott)
 CTD #: 123 Bottom Depth: 2176 Project: LAP 2M

NET	UTC Time	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m³)	Comments
0	1123	0-2000	50 27.66	129 54.94		0.56
1	1239	2000-1500	50 27.64	129 54.91	125	0.71
2	1251	1500-1000	50 27.64	129 54.91	118	
3	1301	1000-500	50 27.63	129 54.92	117	
4	1312	500-250	50 27.64	129 54.95	60	
5	1318	250-0	50 27.63	129 54.95	66	

Comments:

Cruise: 2014-21 Station: G601 Date: 7/6/14
 Event #: 179 Local Time: _____ Area: GEORGIA STRAIT
 CTD #: 178 Bottom Depth: 402 Project: LaPerouse

NET	UTC Time	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m³)	Comments
0	1315	0-390	49 14.98	123 44.89		↓ 0.5m
1	1327	390-300	14.99	44.87	26	↑ 0.9m
2	1331	300-200	14.99	44.88	26	
3	1333	200-100	14.99	44.88	26	
4	1335	100-50	14.98	44.87	14	
5	1336	50-0	14.99	44.88		

Comments:

2014-21		TRK 7131			
STN	Bot Z	Tow Z	WRC L°	START	FINISH
D2	61	55	10	89065	89382
D1	42	37	0	89382	89605
LG02	103	97	5	89605	90535
LG04	140	130	13	90535	91335
LBP5	180	250	5	91895	93952
LBP3	168	165	12	93955	94392
LBP2	97	90	10	94392	96045
CPE2	122	110	0 ^{clow}	95707	95771
LG03	1270	250	0	95770	97777
J22	1316	250	0	97777	99532
CS00	2176	250		09532	01129
CS01	2105	350	10	1130	3497
CS02	1902	300	0	3497	5258
CS03	242	235	10	5258	6808
CS04	101	91	0	6810	7545
CS05	2054	250	10	7519	9091
CS3B	221	210	0	09091	108533
CS05	65	55	0	10527	11961
CS1B	74	64	0	10161	11575
CS06	65	55	0	11575	11955
Return to the Rain					

2014-21		7131 FLOWMETER			
STN	Bot Z	Tow Z	WRC L°	START	END
G1	115	105	5	62270	63122
C1	153	143	0	63245	64573
C2	162	152	15	64573	65818
C3	124	115	5	65818	66825
LB07	156	146	10	66827	68512
LB08	140	130	5	68512	69782
B8	175	103	8	69788	71186
B7	81	70	5	71188	71722
LB11	205	195	0	71722	73223
LB16	1785	350	0	73234	75862
BMAYNE	40	35	0	75862	76040
EFF05	201	191	0	76040	77055
EFF10	99	90	0	77055	77542
LC05	63	53	10	77542	78573
LC06	92	82	30	78073	78921
LC08	195	185	0	78942	80751
AZ	17135	250	10	80748	82526
LC09	606	250	5	82588	84540
LD11	2588	250	0	84598	86740
	1053	250	0	86742	88963
Return to the Rain					

2014-21				ISK 7131	
CS07	GS	LO	S	14875	15132
CS08	145	135	0	15132	15887
CS09	195	190	10	15890	16991
CS10	82	72	10	16992	17475
USC7	160	150	0	17475	18399
CE1	155	145	0	18299	19129
CF2	330	50	0	19129	19525
CF2	330	320	0	19525	20123
CF1	245	50	0	20124	21411
CF1	245	235	5	21411	23669
GO1	400	390	5	22661	24792