



Plankton Net Tow Log Sheet

Cruise #: 2022-022 Vessel: Tully Page: 1
Project(s): La Perouse Contact: Moira G
TSK Serial #: 3702 RBR serial #: Silver
Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 25 Aug/22	Station: Haro S9	Time: 20:54	LOCAL PDT
Net Event # 4	CTD # 56		
Latitude: 48 36.850 N	Longitude: 123 14.665 W		
deg min.dec	deg min.dec		
Wire out: 219	Wire angle: 15	Bottom Depth: 229	
Net Type: B	Tow Type: VNH	60cm 250µm	
Flow start	Flow end	Flow = frozen	
57230	58045	Non-flow = pickled	

Notes: lots phyto

Date: 26 Aug 22	Station: 182	Time: 04:41	LOCAL
Net Event # 9	CTD # 7		
Latitude: 48 17.901 N	Longitude: 124 00.618 W		
deg min.dec	deg min.dec		
Wire out: 177	Wire angle: 20	Bottom Depth: 187	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
58021	59442	Non-flow = pickled	

Notes: Non-flow => Released 1x Solmsens s3
Flow => 2x Pandalids, 2x mysids => EtOH. xint vial

Date: 26 Aug 2022	Station: E1	Time: 14:27	LOCAL
Net Event # 16	CTD # 15		
Latitude: 48 31.745 N	Longitude: 125 3.521 W		
deg min.dec	deg min.dec		
Wire out: 100	Wire angle: 10	Bottom Depth: 120	
Net Type: Bongo	Tow Type: VNH		
Flow start 59441	Flow end 60126	Flow = frozen	
		Non-flow = pickled	

Notes: removed SOL-s3, puba s2 from frozen

Date: 28 Aug 22	Station: C1	Time: 17:03	LOCAL
Net Event # 20	CTD # 19		
Latitude: 48 29.040 N	Longitude: 125 15.209 W		
deg min.dec	deg min.dec		
Wire out: 140	Wire angle: 5	Bottom Depth: 150	
Net Type: B	Tow Type: VNH		
Flow start 60126	Flow end 61088	Flow = frozen	
		Non-flow = pickled	

Notes: lots jellies + ctenophores (puba + grey one -> Harmi?)



Plankton Net Tow Log Sheet

Cruise #: 2022-022 Vessel: Tully Page: 2

Project(s): LaP Contact: Moira

TSK Serial #: 3702 RBR serial #: silver

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

Date: 26 Aug 2022	Station: C2	Time: 1803	LOCAL
Net Event # 22	CTD # 21		
Latitude: 48 26.213 N	Longitude: 125 9.121 W		
deg min.dec	deg min.dec		
Wire out: 150	Wire angle: 0	Bottom Depth: 160	
Net Type: B	Tow Type: VNH		
Flow start 61088	Flow end 62100	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 26 Aug 2022	Station: C2	Time: 1947	LOCAL
Net Event # 25	CTD # 23 24		
Latitude: 48 23.445 N	Longitude: 125 20.648 W		
deg min.dec	deg min.dec		
Wire out: 112	Wire angle: 5	Bottom Depth: 122	
Net Type: B	Tow Type: VNH		
Flow start 62100	Flow end 62881	Flow = frozen	
		Non-flow = pickled	

Notes: removed 2 sol-s3 from pickled labels may have wrong event #

Date: 26 Aug 22	Station: LB07	Time: 20:58	LOCAL
Net Event # 27	CTD # 28 26		
Latitude: 48 28.675 N	Longitude: 125 22.042 W		
deg min.dec	deg min.dec		
Wire out: 146	Wire angle: 15	Bottom Depth: 156	
Net Type: B	Tow Type: VNH		
Flow start 63070	Flow end 64175	Flow = frozen	
		Non-flow = pickled	

Notes: moved 'pipefish' from frozen → pickled

Date: 26 Aug 2022	Station: B8	Time: 22:39	LOCAL
Net Event # 29	CTD # 28		
Latitude: 48 34.448 N	Longitude: 125 30.160 W		
deg min.dec	deg min.dec		
Wire out: 127	Wire angle: 15	Bottom Depth: 137	
Net Type: B	Tow Type: VNH		
Flow start 64178	Flow end 65160	Flow = frozen	
		Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2022-072 Vessel: JPT Page: 3

Project(s): LRP Contact: Morna

TSK Serial #: 3702 RBR serial #: silver

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

Date: 25 Aug 2022	Station: B7	Time: 0001	LOCAL
Net Event # 32	CTD # 31		
Latitude: 48° 31.937 N	Longitude: 125° 35.515 W		
deg min.dec	deg min.dec		
Wire out: 70	Wire angle: 20°	Bottom Depth: 80	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
65598	66249	Non-flow = pickled	

Notes:

Date: 27 Aug 22	Station: LB08	Time: 0223	LOCAL
Net Event # 34	CTD # 33		
Latitude: 48 25.296 N	Longitude: 125 28.673 W		
deg min.dec	deg min.dec		
Wire out: 135	Wire angle: 5	Bottom Depth: 145	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
66297	67575	Non-flow = pickled	

Notes:

Date: 27 Aug 22	Station: LB08	Time: 0243	LOCAL
Net Event # 35	CTD # 33		
Latitude: 48 25.296 N	Longitude: 125 28.677 W		
deg min.dec	deg min.dec		
Wire out: 135	Wire angle: 5	Bottom Depth: 146	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
67575	68736	Non-flow = pickled	

Notes: to LAM BOTH SIDES

Date: 27 Aug 22	Station: LB16	Time: 0658	LOCAL
Net Event # 40	CTD # 39		
Latitude: 48° 15.193 N	Longitude: 125° 47.765 W		
deg min.dec	deg min.dec		
Wire out: 144	Wire angle: 0	Bottom Depth: 204	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
68737	70552	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 202-02 Vessel: Tully Page: 4

Project(s): Luperouse Contact: Moira

TSK Serial #: 3702 RBR serial #: silver

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

Date: 27 Aug 22	Station: LB16	Time: 16 01	LOCAL
Net Event # 47	CTD # 46		
Latitude: 48 0.526 N		Longitude: 126 16.86 W	
deg min.dec		deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 1808	
Net Type: B	Tow Type: VNH	250 mm	
Flow start 70554	Flow end 72571	Flow = frozen	
		Non-flow = pickled	

Notes: some swell

Date: 27 Aug 22	Station: LB16	Time: 16:55	LOCAL
Net Event # 48	CTD # 46		
Latitude: 48 0.529 N		Longitude: 126 16.916 W	
deg min.dec		deg min.dec	
Wire out: 1200	Wire angle: 0	Bottom Depth: 1805	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
72571	81062	Non-flow = pickled	

Notes: flow side preserved 95% EtOH

Date: 27 Aug 22	Station: LC12	Time: 21 11	LOCAL
Net Event # 51	CTD # 50		
Latitude: 48 15.039 N		Longitude: 126 39.990 W	
deg min.dec		deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 2524	
Net Type: B	Tow Type: VNH		
Flow start 81062	Flow end 82595	Flow = frozen	
		Non-flow = pickled	

Notes: flowmeter layner + came up broken.
Flowmeter put 1cm hole in top part of mesh. Fixed for next cast

Date: 27 Aug 22	Station: LC12	Time: 2206	LOCAL
Net Event # 52	CTD # 50		
Latitude: 48 15.073 N		Longitude: 126 39.957 W	
deg min.dec		deg min.dec	
Wire out: 1200	Wire angle: 0	Bottom Depth: 2524	
Net Type: B	Tow Type: VNA		
Flow start 82595	Flow end 90810	Flow = frozen	
		Non-flow = pickled	

Notes: flow - into 95% EtOH. Released 1 large red shrimp
removed piece of large jelly. (1 in jar)
small piece still in jar



Plankton Net Tow Log Sheet

Cruise #: 2022-022 Vessel: Tully Page: 5
Project(s): La Perouse Contact: Moira
TSK Serial #: 3702 RBR serial #: Silver
Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 28 Aug 22	Station: LLO9	Time: 0356	LOCAL
Net Event # 56	CTD # 55		
Latitude: 48 25.948 N	Longitude: 126 13.705 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 605	
Net Type: BON60	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
90807	92565	Non-flow = pickled	
Notes: RELEASE 1 CLUPA 1 LIPFU			

Date: 28 Aug 22	Station: LLO9	Time: 0421	LOCAL
Net Event # 57	CTD # 55		
Latitude: 48 25.95 N	Longitude: 126 13.70 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 40609	
Net Type: BON60	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
98869	94235	Non-flow = pickled	
Notes: TOLIAM			

Date: 28 Aug 22	Station: A2	Time: 0610	LOCAL
Net Event # 60	CTD # 59		
Latitude: 48 22.72 N	Longitude: 126 03.80 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 349	
Net Type: BON60	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
94235	96021	Non-flow = pickled	
Notes:			

Date: 28 Aug 22	Station: LLO8	Time: 0740	LOCAL
Net Event # 62	CTD # 61		
Latitude: 48 29.464 N	Longitude: 126 07.108 W		
deg min.dec	deg min.dec		
Wire out: 188	Wire angle: 1480	Bottom Depth: 198	
Net Type: BON60	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
96020	97375	Non-flow = pickled	
Notes:			



Plankton Net Tow Log Sheet

Cruise #: 2022022 Vessel: JP Tully Page: 6

Project(s): Laperouse Contact: MOIRA

TSK Serial #: 3702 RBR serial #: Silver

Time offset = + 2 hrs = UTC (please record local time for samples)

Date: 28 08 22	Station: LC06	Time: 10 24	LOCAL
Net Event # 67	CTD # 65		
Latitude: 48 36.492 N	Longitude: 125 54.069 W		
deg min.dec	deg min.dec		
Wire out: 82	Wire angle: 7	Bottom Depth: 91	
Net Type: BON60	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
97375	97918	Non-flow = pickled	

Notes:

Date: 28 Aug/22	Station: LC05	Time: 11 33	LOCAL
Net Event # 69	CTD # 68		
Latitude: 48 39.876 N	Longitude: 125 47.440 W		
deg min.dec	deg min.dec		
Wire out: 59	Wire angle: 10	Bottom Depth: 64	
Net Type: BON60	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
97919	98370	Non-flow = pickled	

Notes: rem 2 cuppa s2 + 4 thepa s2 from flow site for Liam's chito spike

Date: 28 AUG 22	Station: LC04	Time: 12 27	LOCAL
Net Event # 70	CTD # 73		
Latitude: 48 43.418 N	Longitude: 125 40.863 W		
deg min.dec	deg min.dec		
Wire out: 156	Wire angle: 5	Bottom Depth: 166	
Net Type: B	Tow Type: VNH		
Flow start 98370	Flow end 99365	Flow = frozen	
		Non-flow = pickled	

Notes: for Liam

Date: 28 Aug/22	Station: LC04	Time: 12 43	LOCAL
Net Event # 71	CTD # 73		
Latitude: 48 43.417 N	Longitude: 125 40.830 W		
deg min.dec	deg min.dec		
Wire out: 156	Wire angle: 5	Bottom Depth: 166	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
99365	000444	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2022002 Vessel: Tully Page: 7
Project(s): LaPerouse Contact: Mira
TSK Serial #: 3702 RBR serial #: silver
Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 28 Aug 2022 Station: LD02 Time: 18:05 LOCAL
Net Event # 78 CTD # 80
Latitude: 48 58.352 N Longitude: 125 47.134 W
deg min.dec deg min.dec
Wire out: 38 Wire angle: 5 Bottom Depth: 43
Net Type: B Tow Type: VNH 250µm
Flow start: 0044 Flow end: 00670 Flow = frozen
Non-flow = pickled

Notes:

Date: 28 Aug 22 Station: LD04 Time: 20:05 LOCAL
Net Event # 84 CTD # 85 20 05
Latitude: 48 53.278 N Longitude: 125 56.248 W
deg min.dec deg min.dec
Wire out: 51 Wire angle: 20 Bottom Depth: 61
Net Type: B Tow Type: VNH 250µm
Flow start: 00670 Flow end: 01060 Flow = frozen
Non-flow = pickled

Notes:

lots photo

Date: 29 Aug 22 Station: LD09 Time: 0301 LOCAL
Net Event # 92 CTD # 91
Latitude: 48 35.447 N Longitude: 124 30.029 W
deg min.dec deg min.dec
Wire out: 250 Wire angle: 0 Bottom Depth: 1158
Net Type: Bow60 Tow Type: VNH
Flow start: 1080 Flow end: 02930 Flow = frozen
Non-flow = pickled

Notes: 1 MYCTOPHIA CALMA HEQ AMPHI SER51 → DNA

Date: 29 Aug 22 Station: LD11 Time: 07:38 LOCAL
Net Event # 96 CTD # 95
Latitude: 48 28.623 N Longitude: 126 42.846 W
deg min.dec deg min.dec
Wire out: 250 Wire angle: 0 Bottom Depth: 1596
Net Type: Bow60 Tow Type: VNH
Flow start: 02930 Flow end: Flow = frozen
Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2022-022 Vessel: Tully Page: 8

Project(s): La Perouse Contact: Moira

TSK Serial #: 3702 RBR serial #: Silver

Time offset = +

hrs = UTC (please record local time for samples)

Date: 29 AUG 22 Station: LD11 Time: 0835 LOCAL

Net Event # 97 CTD # 95

Latitude: 48 28 64 N Longitude: 126 42 91 W
deg min.dec deg min.dec

Wire out: 1200 Wire angle: 0 Bottom Depth:

Net Type: BONGO Tow Type: VNH

Flow start 041630 Flow end 13206 Flow = frozen 95% ETCH

Non-flow = pickled

Notes: REMOVE -> LIPIDS 30 METPA9 30 CALIV 30 OITAT 9

275COM1930

Date: 29 AUG 22 Station: LG09 Time: 13:27 LOCAL

Net Event # 100 CTD # 104

Latitude: 48 51.207 N Longitude: 127 19 349 W
deg min.dec deg min.dec

Wire out: 260 Wire angle: 20 Bottom Depth: 2056

Net Type: B Tow Type: VNH 250µm

Flow start 13205 Flow end 15059 Flow = frozen

Non-flow = pickled

Notes: for Lion

Date: 29 AUG 22 Station: LG09 Time: 1347 LOCAL

Net Event # 101 CTD # 104

Latitude: 48 31.151 N Longitude: 127 19.353 W
deg min.dec deg min.dec

Wire out: 250 Wire angle: 10 Bottom Depth: 2055

Net Type: B Tow Type: VNH 250µm

Flow start 15059 Flow end 16953 Flow = frozen

Non-flow = pickled

Notes:

Date: 29 AUG 22 Station: LG09 Time: 14:43 LOCAL

Net Event # 102 CTD # 104

Latitude: 48 51.168 N Longitude: 127 19.317 W
deg min.dec deg min.dec

Wire out: 1200 Wire angle: 5 Bottom Depth: 2056

Net Type: B Tow Type: VNH 250µm

Flow start 16953 Flow end 25032 Flow = frozen 95% ETCH

Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 202202 Vessel: Tully Page: 9

Project(s): La Perouse Contact: Moira

TSK Serial #: 3702 RBR serial #: silver

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

Date: 29 Aug 2022	Station: L607	Time: 1944	LOCAL
Net Event # 106	CTD # 108		
Latitude: 48 59.397	N	Longitude: 127 7.251	W
deg min.dec		deg min.dec	
Wire out: 250	Wire angle: 10	Bottom Depth: 1753	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
25035	26895	Non-flow = pickled	

Notes:

Date: 30 AUG 2022	Station: L604	Time: 0130	LOCAL
Net Event # 113	CTD # 111		
Latitude: 49 11.298	N	Longitude: 126 49.378	W
deg min.dec		deg min.dec	
Wire out: 135	Wire angle: 5	Bottom Depth: 146	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
26897	27870	Non-flow = pickled	

Notes: Non-Flow => Released 5mole, 1 solmibus ss
Flow=>

Date: 30 AUG 2022	Station: L602	Time: 0338	LOCAL
Net Event # 116	CTD # 115		
Latitude: 48 18.718	N	Longitude: 126 38.105	W
deg min.dec		deg min.dec	
Wire out: 190	Wire angle: 0	Bottom Depth: 100	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
27870	28560	Non-flow = pickled	

Notes:

Date: 30 AUG 2022	Station: L602	Time: 0353	LOCAL
Net Event # 117	CTD # 115		
Latitude: 48 18.718	N	Longitude: 126 38.161	W
deg min.dec		deg min.dec	
Wire out: 90	Wire angle: 0	Bottom Depth: 100	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
28560	2986	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2022-022 Vessel: Tully

Page: 10

Project(s): La Perouse

Contact: Moira

TSK Serial #: 3702

RBR serial #: silver

Time offset = +

7

hrs = UTC (please record local time for samples)

Date: 30 Aug/21	Station: LBP8	Time: 1205	LOCAL
Net Event # 121	CTD # 125		
Latitude: 49 deg	48.569 min.dec N	Longitude: 128 deg	16.734 min.dec W
Wire out: 250	Wire angle: 0	Bottom Depth: 2072	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
29285	39025	Non-flow = pickled	

Notes:

for Liam

Date: 30 Aug/21	Station: LBP8	Time: 1225	LOCAL
Net Event # 122	CTD # 125		
Latitude: 49 deg	48.547 min.dec N	Longitude: 128 deg	16.759 min.dec W
Wire out: 250	Wire angle: 5	Bottom Depth: 2072	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
30025	32836	Non-flow = pickled	

Notes:

Date: 30 Aug/22	Station: LBP8	Time: 1314	LOCAL
Net Event # 123	CTD # 125		
Latitude: 49 deg	48.543 min.dec N	Longitude: 128 deg	16.778 min.dec W
Wire out: 1200	Wire angle: 0	Bottom Depth: 2072	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	ETOH
32836	40242	Non-flow = pickled	

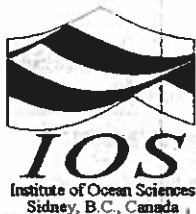
Notes:

removed N. japonicus from flow → whirl pak → frozen.

Transferred Pheobius meas... (worm) from pickled → ETOH

Date: 30 Aug/22	Station: LBP7	Time: 1626	LOCAL
Net Event # 127	CTD # 128		
Latitude: 49 deg	52.319 min.dec N	Longitude: 128 deg	11.190 min.dec W
Wire out: 250	Wire angle: 0	Bottom Depth: 2072	2181
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
40242	41852	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2022-022 Vessel: Tully Page: 11
 Project(s): La Perouse Contact: Moira
 TSK Serial #: 3702 RBR serial #: Silver
 Time offset = + hrs = UTC (please record local time for samples)

Date: 30 Aug/22	Station: LBP5	Time: 2027	LOCAL
Net Event # 30	CTD # 132		
Latitude: 49 deg 59.980 min.dec N	Longitude: 128 deg 0.092 min.dec W		
Wire out: 250	Wire angle: 7	Bottom Depth: 1283	
Net Type: B	Tow Type: VNH	250m	
Flow start: 41865	Flow end: 43626	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 30 AUG 22	Station: LBP3	Time: 0134	LOCAL
Net Event # 137	CTD # 135		
Latitude: 50 deg 3 229 min.dec N	Longitude: 127 deg 55 313 min.dec W		
Wire out: 153	Wire angle: 0	Bottom Depth: 163	
Net Type: BONGO	Tow Type: VNH		
Flow start: 43669	Flow end: 44740	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 31 AUG 22	Station: LBP3	Time: 0151	LOCAL
Net Event # 138	CTD # 135		
Latitude: 50 deg 03.218 min.dec N	Longitude: 127 deg 55.289 min.dec W		
Wire out: 153	Wire angle:	Bottom Depth: 165	
Net Type: BONGO	Tow Type: VNH		
Flow start: 44740	Flow end: 45764	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 31 AUG 22	Station: LBP2	Time: 0228	LOCAL
Net Event # 140	CTD # 139		
Latitude: 50 deg 3 979 min.dec N	Longitude: 127 deg 54 253 min.dec W		
Wire out: 89	Wire angle: 0	Bottom Depth: 99	
Net Type: BONGO	Tow Type: VNH		
Flow start: 45764	Flow end: 46359	Flow = frozen	
		Non-flow = pickled	

Notes: LBPAS -> CAT EUPPAW 3 7 3 THYSP JUV 3



Plankton Net Tow Log Sheet

Cruise #: 2022-022 Vessel: JP Tully Page: 11

Project(s): L. Perouk

Contact: M. R. R.

TSK Serial #: 3702

RBR serial #: SELVER

Time offset = +

hrs = UTC (please record local time for samples)

Date: 3 AUG 2022 Station: C62 Time: 0929 LOCAL

Net Event # 145 CTD # 144

Latitude: 50 43 042 N Longitude: 128 40 77 W
deg min.dec deg min.dec

Wire out: 112 Wire angle: 5 Bottom Depth: 172

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

46358 47159 Non-flow = pickled

Notes: LIPIDS CAT → CENAB & 30 PSEMM & 30 PARIN & 30 ACALO & 30

Date: 31 AUG 22 Station: L903 Time: 1221 LOCAL

Net Event # 147 CTD # 146

Latitude: 50 39 791 N Longitude: 129 1 991 W
deg min.dec deg min.dec

Wire out: 250 Wire angle: Bottom Depth: 1280

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

47160 48740 Non-flow = pickled

Notes:

Date: 31 Aug 2022 Station: CS00 Time: 20:50 LOCAL

Net Event # 151 CTD # 150

Latitude: 50 27 666 N Longitude: 129 55 023 W
deg min.dec deg min.dec

Wire out: 250 Wire angle: 10 Bottom Depth: 2172

Net Type: B Tow Type: VNH

Flow start Flow end Flow = frozen

48740 50395 Non-flow = pickled

Notes:

Date: 31 Aug 2022 Station: CS01 Time: 2344 LOCAL

Net Event # 153 CTD # 152

Latitude: 50 39 956 N Longitude: 129 41 741 W
deg min.dec deg min.dec

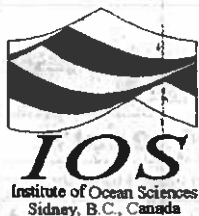
Wire out: 270 Wire angle: 30 Bottom Depth: 2104

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

50400 52196 Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2022-02 Vessel: JP Tully Page: 12
Project(s): La Perouse Contact: Moira
TSK Serial #: 3702 RBR serial #: Silver
Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 01 Sep 2022	Station: CS02	Time: 0343	LOCAL
Net Event # 158	CTD # 158		
Latitude: 50 41.476 N	Longitude: 129 27.757 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 8	Bottom Depth: 1895	
Net Type: BUNGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
52190	53752	Non-flow = pickled	

Notes:

Date: 01 Sep 2022	Station: CS02	Time: 0408	LOCAL
Net Event # 159	CTD # 156		
Latitude: 50 41.478 N	Longitude: 129 27.780 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 8	Bottom Depth: 1895	
Net Type: BUNGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
53752	54085	Non-flow = pickled	

Notes: ONLY ONE-STOP SUCCESSFUL, ONE STOP TANGLED
↳ Non-flow ↳ Flow

Date: 1 Sep 2022	Station: CS03	Time: 0534	LOCAL
Net Event # 162	CTD # 161		
Latitude: 50 45.560 N	Longitude: 129 19.954 W		
deg min.dec	deg min.dec		
Wire out: 213	Wire angle: 8	Bottom Depth: 223	
Net Type: BUNGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
54085	55610	Non-flow = pickled	

Notes:

Date: 1 Sep 2022	Station: CS04	Time: 0702	LOCAL
Net Event # 165	CTD # 164		
Latitude: 50 49.20 N	Longitude: 129 13.146 W		
deg min.dec	deg min.dec		
Wire out: 86	Wire angle: 20	Bottom Depth: 96	
Net Type: BUNGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
55621	56336	Non-flow = pickled	

Notes:

for Liam



Plankton Net Tow Log Sheet

Cruise #: 222-02 Vessel: JP Tully Page: 123

Project(s): 12 Perouse Contact: M. S. R.

TSK Serial #: 3702 RBR serial #: 222-02

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

Date: 15 Sept 2022	Station: NCCOAS	Time: 12:07	LOCAL
Net Event # 169	CTD # 168		
Latitude: 50 56.393 N		Longitude: 129 58.704 W	
deg	min.dec	deg	min.dec
Wire out: 250	Wire angle: 0	Bottom Depth: 2105	
Net Type: Bmg	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
56335	57949	Non-flow = pickled	

Notes:

Date: 1 Sept 2022	Station: CS38	Time: 15:06	LOCAL
Net Event # 171	CTD # 170		
Latitude: 51 0.016 N		Longitude: 129 26.995 W	
deg	min.dec	deg	min.dec
Wire out: 210	Wire angle: 0	Bottom Depth: 220	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
57950	59302	Non-flow = pickled	

Notes:

Date: 1 Sept 2022	Station: C895	Time: 1742	LOCAL
Net Event # 174	CTD # 173		
Latitude: 50 55.981 N		Longitude: 129 00.01 W	
deg	min.dec	deg	min.dec
Wire out: 3 59	Wire angle: 35°	Bottom Depth: 65	
Net Type: Bmg	Tow Type: VNH		
Flow start 59303	Flow end 59700	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 1 Sept 2022	Station: CS1B	Time: 19:43	LOCAL
Net Event # 176	CTD # 175		
Latitude: 50 52.958 N		Longitude: 128 40.049 W	
deg	min.dec	deg	min.dec
Wire out: 67	Wire angle: 45	Bottom Depth: 72	
Net Type: B	Tow Type: VNH 250mm		
Flow start 59700	Flow end 60248	Flow = frozen	
		Non-flow = pickled	

Notes: removed 2 - mace-s3 from pickled



Plankton Net Tow Log Sheet

Cruise #: 2022-022 Vessel: JPTully Page: 14

Project(s): Luperovse Contact: Moira

TSK Serial #: 3702 RBR serial #: Silver

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

Date: 1 Sept 2022 Station: CS06 Time: 21 37 LOCAL

Net Event # 179 CTD # 178

Latitude: 51 0.052 N Longitude: 128 52.088 W
deg min.dec deg min.dec

Wire out: 62 Wire angle: 40 Bottom Depth: 64

Net Type: Bongo Tow Type: VNH 250um

Flow start Flow end Flow = frozen

61490 62540 Non-flow = pickled

Notes: lots current, super high outboard angle so lots
of surface towing before creeping in @ end

Date: 1 Sept 2022 Station: CS07 Time: 22 44 LOCAL

Net Event # 181 CTD # 180

Latitude: 51 04.570 N Longitude: 128 43.952 W
deg min.dec deg min.dec

Wire out: 54 Wire angle: 20 Bottom Depth: 63

Net Type: B Tow Type: VNH 250um

Flow start Flow end Flow = frozen

62542 62990 Non-flow = pickled

Notes: Storm petrels less current here?

Date: 2 Sep 2022 Station: CS08 Time: 00:06 LOCAL

Net Event # 184 CTD # 183

Latitude: 51 8 49.1 N Longitude: 128 36 04.8 W
deg min.dec deg min.dec

Wire out: 131 Wire angle: 5 Bottom Depth: 141

Net Type: B Tow Type: VNH

Flow start Flow end Flow = frozen

62990 63941 Non-flow = pickled

Notes:

Date: 2 Sep 2022 Station: CS09 Time: 0842 LOCAL

Net Event # 187 CTD # 185

Latitude: 51 12.449 N Longitude: 128 27.943 W
deg min.dec deg min.dec

Wire out: 184 Wire angle: 10 Bottom Depth: 194

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

63941 65207 Non-flow = pickled

Notes: lots of small fish, petrels
ammodytes?



Plankton Net Tow Log Sheet

Cruise #: 7022-022 Vessel: JP Tully Page: 15
Project(s): L2 PRAWSC Contact: M. G. RA
TSK Serial #: 3702 RBR serial #: SCLVCR
Time offset = + hrs = UTC (please record local time for samples)

Date: 28 Sep 2022	Station: C509	Time: 0201	LOCAL
Net Event # 188	CTD # 185		
Latitude: 51 12 364 N		Longitude: 128 27 988 W	
deg	min.dec	deg	min.dec
Wire out: 184	Wire angle: 17	Bottom Depth: 194	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
6807	66436	Non-flow = pickled	
Notes: L1M			

Date: 02 Sep 2022	Station: C510	Time: 0340	LOCAL
Net Event # 192	CTD # 190		
Latitude: 51 16.507 N		Longitude: 128 20.002 W	
deg	min.dec	deg	min.dec
Wire out: 70	Wire angle: 10	Bottom Depth: 80	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
66434	66898	Non-flow = pickled	
Notes: L1P105 CAT 30 PSCMH & 40 ACALO & 40 THYSP JUV5			

Date: 02 Sep 2022	Station: 555	Time: 0542	LOCAL
Net Event # 194	CTD # 193		
Latitude: 51 27.961 N		Longitude: 128 29.935 W	
deg	min.dec	deg	min.dec
Wire out: 191	Wire angle: 8	Bottom Depth: 201	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
66898	68123	Non-flow = pickled	
Notes: Non-flow => 1x CALMA megalopa => 95% ETOH			

Date: 2 Sep 2022	Station: 557	Time: 1622	LOCAL
Net Event # 196	CTD # 195		
Latitude: 51 24 639 N		Longitude: 123 47 418 W	
deg	min.dec	deg	min.dec
Wire out: 114	Wire angle: 0	Bottom Depth: 124	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
68122	68800	Non-flow = pickled	
Notes:			



Plankton Net Tow Log Sheet

Cruise #: 2022-022 Vessel: JP RUCY Page: 16

Project(s): L2 Plankton Contact: MORA

TSK Serial #: 3702 RBR serial #: SEWER

Time offset = +

hrs = UTC (please record local time for samples)

Date: 2 Sep 22	Station: SS6	Time: 1058	LOCAL
Net Event # 198	CTD # 197		
Latitude: 51 10 026 N	Longitude: 128 0 040 W		
deg min.dec	deg min.dec		
Wire out: 167	Wire angle: 0	Bottom Depth: 177	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
68800	6870	Non-flow = pickled	

Notes:

Date: 2 Sep 22	Station: CPE1	Time: 1356	LOCAL
Net Event # 200	CTD # 199		
Latitude: 51 0039 N	Longitude: 127 50.013 W		
deg min.dec	deg min.dec		
Wire out: 131	Wire angle: 0	Bottom Depth: 141	
Net Type: B	Tow Type: VNH 250 mm		
Flow start	Flow end	Flow = frozen	
69870	70712	Non-flow = pickled	

Notes:

Date: 2 Sep 22	Station: JS01	Time: 21:39	LOCAL
Net Event # 205	CTD # 204		
Latitude: 50 30.319 N	Longitude: 126 28.147 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 375	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
71180	72730	Non-flow = pickled	

Notes:

Date: 3 Sep 2022	Station: 12	Time: 0835	LOCAL
Net Event # 208	CTD # 207		
Latitude: 49 43.494 N	Longitude: 124 40.793 W		
deg min.dec	deg min.dec		
Wire out: 344	Wire angle: 5	Bottom Depth: 354	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
72756	74925	Non-flow = pickled	

Notes: PICKED 13 ♀ EUPPA 9 THYLD ♀ FORM SIDE



Plankton Net Tow Log Sheet

Cruise #: 2022-022 Vessel: Tully Page: 17

Project(s): La Perouse Contact: Marn

TSK Serial #: 3702 RBR serial #: silver

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

Date: 03 Sep 2022	Station: 12	Time: 0902	LOCAL
Net Event # 209	CTD # 207		
Latitude: 49 43 59.5 N	Longitude: 124 40 8.7 W		
deg min.dec	deg min.dec		
Wire out: 344	Wire angle: 0	Bottom Depth: 353	
Net Type: BOWDO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
74925	77100	Non-flow = pickled	

Notes: for LAM

Date: 03-09-22	Station: CPF2	Time: 12:32	LOCAL
Net Event # 213	CTD # 211		
Latitude: 49° 28.113 N	Longitude: 124° 30.138 W		
deg min.dec	deg min.dec		
Wire out: 314	Wire angle: 0	Bottom Depth: 325	
Net Type: BOWDO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
77100	79055	Non-flow = pickled	

Notes: picked Euppa from pickled: 50 Euppa S3 (most 12-15mm) for whales project -80

Date: 03 Sept 2022	Station: CPF1	Time: 1524	LOCAL
Net Event # 215	CTD # 214		
Latitude: 49 21.994 N	Longitude: 124 4.959 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 245	
Net Type: B	Tow Type: VNH 250µm		
Flow start	Flow end	Flow = frozen	
79055	80527	Non-flow = pickled	

Notes: picked 15 Euppa S3 from pickled + 1 Thylo S3; 15 Euppa S3 + 1 Thylo ♀ + 1 Thylo S3 from frozen for whales project -80

Date: 3 Sept 2022	Station: 24	Time: 17:48	LOCAL
Net Event # 219	CTD # 217		
Latitude: 49° 30.429 N	Longitude: 124° 6.002 W		
deg min.dec	deg min.dec		
Wire out: 424	Wire angle: 0	Bottom Depth: 424	
Net Type: B	Tow Type: VNH 250µm		
Flow start	Flow end	Flow = frozen	
80527	83106	Non-flow = pickled	

Notes: not enough krill to pick



Plankton Net Tow Log Sheet

Cruise #: 2022022 Vessel: JPTully Page: 18

Project(s): LaPerouse

Contact: Moira

TSK Serial #: 3702

RBR serial #: silver

Time offset = + 7

hrs = UTC (please record local time for samples)

Date: 3 Sept 2022	Station: 22	Time: 1958	LOCAL
Net Event # 221	CTD # 220		
Latitude: 49 40.883 N	Longitude: 124 16.427 W		
deg min.dec	deg min.dec		
Wire out: 346	Wire angle: 0	Bottom Depth: 356	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen 952, 640H	
95081	97223	Non-flow = pickled	

Notes: pickled: removed 6 Berz6 S3, 7 EUPPA S3 (12-15mm size)
(640H): removed 51 EUPPA S3. Euppas for whale group → -70°C

Date: 3 Sept 22	Station: 28	Time: 2355	LOCAL
Net Event # 225	CTD # 223		
Latitude: 49 24.088 N	Longitude: 123 45.267 W		
deg min.dec	deg min.dec		
Wire out: 125	Wire angle: 5	Bottom Depth: 136	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
97222	97993	Non-flow = pickled	

Notes: EUPPA S3 → WHALE - FORM SIDE

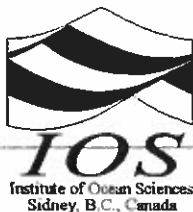
Date: 4 Sep 2022	Station: GEO1	Time: 0203	LOCAL
Net Event # 227	CTD # 226		
Latitude: 49 15.001 N	Longitude: 123 45.022 W		
deg min.dec	deg min.dec		
Wire out: 396	Wire angle: 0	Bottom Depth: 401	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
97996	00469	Non-flow = pickled	

Notes: 26 EUPPA + 4 THYLO → WHALE - FORM SIDE
LIPIDS - CAT 40 PSEMI V 40
RELEASE 1 LORSC

Date: 4 Sep 2022	Station: GEO1	Time: 0227	LOCAL
Net Event # 228	CTD # 226		
Latitude: 49 15 007 N	Longitude: 123 45 005 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 8	Bottom Depth: 401	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
00469	02041	Non-flow = pickled	

Notes:

LIAM



Plankton Net Tow Log Sheet

Cruise #: 2022-003 Vessel: JP Tully Page: 18/19
Project(s): Lake Louise Contact: Mosco
TSK Serial #: 3702 RBR serial #: Sevce
Time offset = + hrs = UTC (please record local time for samples)

Date: <u>4 SEP 2022</u>	Station: <u>GEO1</u>	Time: <u>LOCAL</u>
Net Event # <u>230</u>	CTD # <u>226</u>	
Latitude: <u>49</u> <u>30</u> N	Longitude: <u>123</u> <u>25</u> W	
deg min.dec	deg min.dec	
Wire out: <u>392</u>	Wire angle:	Bottom Depth: <u>402</u>
Net Type: <u>MPS</u>	Tow Type: <u>VNH</u>	
Flow start	Flow end	Flow = frozen
		Non-flow = pickled
Notes: <u>all in 95% EtOH</u>		

Date: <u>04 SEP 2022</u>	Station: <u>42</u>	Time: <u>0638</u> <u>LOCAL</u>
Net Event # <u>233</u>	CTD # <u>231</u>	
Latitude: <u>49</u> <u>0</u> <u>969</u> N	Longitude: <u>123</u> <u>25</u> <u>842</u> W	
deg min.dec	deg min.dec	
Wire out: <u>310</u>	Wire angle:	Bottom Depth: <u>317</u>
Net Type: <u>BONGD</u>	Tow Type: <u>VNH</u>	
Flow start	Flow end	Flow = frozen
<u>2042</u>	<u>4029</u>	Non-flow = pickled
Notes: <u>10 EVPA 8 → WHALE</u>		

Date:	Station:	Time: <u>LOCAL</u>
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: <u>LOCAL</u>
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:		

STN	DEPTH Bottom	TOP	STN	END	WIRE
1100 S9	229	219	57230	58045	15°
JE2	187	177	58021	58471	20°
E1-	110	100	59441	60126	16°
C1	151	140	60126	61088	5°
C2	160	150	61088	62100	0
C3	122	112	62100	63081	5
LE07	156	146	63070	64175	15
88	137	127	64178	65160	15
1587	81	71	65946	66244	20
LB08	145	135	66247	67575	45
LB08	146	135	67575	68736	45
LB11	204	194	68737	70552	0
LB16	1808	250	70554	72571	0
LB16	1805	1200	72571	81065	0
LC12	2525	290	81062	82595	0
LC12	2525	1200	82595	90810	0
LC04	605	250	90807	92575	0
LC09		250	92585	94235	0
A2	350	250	94235	96021	0
LC08	198	148	96020	97375	0
LC06	92	82	97375	99118	7
LC04	164	59	97919	98370	10
LC04	166	156	98370	99365	5
LC04	166	156	99365	100444	5
LD02	43	38	100444	670	5
LD04	61	51	0670	0106	100

STN	2072-022	TOP	STN	END	WIRE
CS08	223	213	54087	55610	0
CS04	96	86	55621	56336	20
CS04	2105	250	56335	57949	0
CS36	210	210	57950	59302	0
CS05	64	59	59305	59700	35
CS16	72	67	59700	60248	45
CS06	64	54	60248	61496	40
CS07	64	54	61496	62542	20
CS08	141	131	62542	63941	5
CS09	144	184	63941	65207	10
CS09	11	184	65207	66436	17
CS10	80	70	66434	66878	12
SS5	201	191	66899	68125	8
SS7	124	114	68122	68800	0
SS6	177	167	68800	69870	0
CP1	141	131	69870	70712	0
JS01	376	250	71180	72738	0
12	354	344	72756	74925	5
12	354	344	74925	77100	0
CPF2	324	314	77100	79055	0
CPF1	248	235	79055	80821	0
24	424	414	80821	83006	0
22	356	346	83006	85081	0
28	135	125	85081	87272	5

Rec in the line

4022-022

Sta	Bottom	TOW	Start	End	Wich
1509	1054	250	01080	2930	0
1511	1564	250	02930	04630	0
1511	1564	1200	04630	13206	0
1608	2055	250	13205	15059	20
1609	2055	250	15059	16953	10
1609	2056	250	16953	25032	5
1607	1755	250	25035	26895	10
1604	145	135	26897	27870	5
1602	100	90	27870	28560	0
1602	100	90	28560	29286	0
1603	-	250	29285	30025	0
1603	-	250	30025	30836	5
1603	-	200	32836	33720	0
1607	-	250	40240	41572	0
1605	-	-	41365	43626	7
1603	163	53	43669	44707	0
1603	163	53	44720	45764	0
1602	100	90	45764	46359	15
1602	122	12	46356	47159	5
1603	131	250	47160	48105	5
1600	2122	250	48140	49032	10
1601	2103	250	50400	51400	10
1602	1805	250	51400	52400	8
1602	-	250	52400	53400	8

Sta	Bottom	TOW	Start	End	Wich
1601	401	396	97996	00469	0
1602	250	250	00469	02041	0
1602	42	318	02042	02222	0