

Plankton Net Tow Log Sheet

Cruise #: 0021005 Vessel: JPTOLLY Page: 1/17

Project(s): LePEROUSE Contact: MORA

TSK Serial #: 7189 RBR serial #: SILVER 78976

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

Date: 19-05-21	Station: HARO 59	Time: 1408	LOCAL
Net Event # 4	CTD # 3		
Latitude: 48 36.980 N	Longitude: 123 14.93 W		
deg min.dec	deg min.dec		
Wire out: 220	Wire angle: 10	Bottom Depth: 225	
Net Type: BONGO	Tow Type: VNH		
Flow start 53898	Flow end 5583	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 19-05-21	Station: JF2	Time: 18:07	LOCAL
Net Event # 5	CTD # 6		
Latitude: 48 17.928 N	Longitude: 123 59.941 W		
deg min.dec	deg min.dec		
Wire out: 180	Wire angle: 20	Bottom Depth: 187	
Net Type: Bongo	Tow Type: VNH		
Flow start 55585	Flow end	Flow = frozen	
55585	57619	Non-flow = pickled	

Notes:

1 EUPPA 3 NEOCR → AKASH NON FLOW

FISH LARVAE + SMALL SUBSAMPLE → ETOH NON FLOW

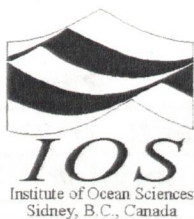
Date: 20-05-21	Station: EP4	Time: 0237 PDT	LOCAL
Net Event # 12	CTD # 11		
Latitude: 48° 31.814 N	Longitude: 125 3920 W		
deg min.dec	deg min.dec		
Wire out: 115	Wire angle: 18°	Bottom Depth: 117	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
57025	58158	Non-flow = pickled	

Notes:

lots of current, bongo trailing aft @ surface on way down/up bit of dragging, let out 5m extra wire

Date: 20-05-21	Station: C1	Time: 05:32 PDT	LOCAL
Net Event # 16	CTD # 15		
Latitude: 48 29.139 N	Longitude: 125 15.217 W		
deg min.dec	deg min.dec		
Wire out: 146	Wire angle: 15°	Bottom Depth: 151	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
58158	59523	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2021-05 Vessel: Tully

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Project(s): LaPerru

Contact: MG

TSK Serial #: 7129

RBR serial #: 78976

Time offset = +

hrs = UTC (please record local time for samples)

Date: 20 May 21	Station: 87	Time: 12:57	LOCAL
Net Event # 28	CTD # 27		
Latitude: 48° 32.022 N	Longitude: 125° 35.390 W		
deg min.dec	deg min.dec		
Wire out: 73	Wire angle: 12	Bottom Depth: 78	
Net Type: bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
64180	64280	Non-flow = pickled	

Notes:

Date: 20.05.21	Station: LB08	Time: 1447	LOCAL
Net Event # 30	CTD # 29		
Latitude: 48° 25.259 N	Longitude: 125° 28.93 W		
deg min.dec	deg min.dec		
Wire out: 145	Wire angle: 20	Bottom Depth: 155	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
64822	66401	Non-flow = pickled	

Notes: HIGH CURRENT

Date: 20.05.21	Station: LB08	Time: 1505	LOCAL
Net Event # 31	CTD # 29		
Latitude: 48° 25.206 N	Longitude: 125° 29.076 W		
deg min.dec	deg min.dec		
Wire out: 140	Wire angle: 5	Bottom Depth: 145	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
66401	67692	Non-flow = pickled	

Notes: HIGH CURRENT

BOTH SIDES FROZEN -80 → UVIC

Date: 20.05.21	Station: LB11	Time: 1829	LOCAL
Net Event # 35	CTD # 34		
Latitude: 48° 15.15 N	Longitude: 125° 47.70 W		
deg min.dec	deg min.dec		
Wire out: 200	Wire angle: 5	Bottom Depth: 207	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
67692	69551	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2001005 Vessel: JPTOLLY Page: 3/17

Project(s): LAPERDOUSE Contact: MOIRA

TSK Serial #: 7129 RBR serial #: 78976

Time offset = +

hrs = UTC (please record local time for samples)

Date: 21.05.21	Station: LC09	Time: 1637	LOCAL
Net Event # 50	CTD # 49		
Latitude: 48 25.939 N		Longitude: 126 13.699 W	
deg min.dec		deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 610	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
94398	96445	Non-flow = pickled	

Notes: FLOW 1 SALAS SOL > FROZEN -80 -> EVGENY
WINDMILL @ SURFACE NON FLOW 21 SALAS AGU LIMHE ~ 30 -> ESTOH

Date: 21.05.21	Station: LC09/A3	Time: 1659	LOCAL
Net Event # 51	CTD # 49		
Latitude: 48 25.939 N		Longitude: 126 13.699 W	
deg min.dec		deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 610	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
96445	98199	Non-flow = pickled	

Notes: FROZEN BOTH SIDES -80 -> UVIC

Date: 21.05.21	Station: A2	Time: 1841	LOCAL
Net Event # 53	CTD # 52		
Latitude: 48 22.727 N		Longitude: 126 03.981 W	
deg min.dec		deg min.dec	
Wire out: 250	Wire angle: 5	Bottom Depth: 341	
Net Type: BONGO	Tow Type: VNH		
Flow start 98199	Flow end 99949	Flow = frozen	
		Non-flow = pickled	

Notes: 1 SALAS NON FLOW -80 -> EVGENY

Date: 21.05.21	Station: AC08/A1	Time: 0140	LOCAL
Net Event # 55	CTD # 54		
Latitude: 48 29.41 N		Longitude: 126 07.17 W	
deg min.dec		deg min.dec	
Wire out: 195	Wire angle: 8	Bottom Depth: 202	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
99949	101308	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2021-005 Vessel: JPT Page: 5/17
Project(s): La Perouse Contact: Moira Gault
TSK Serial #: 7124 RBR serial #: 78976

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

Date: 22 May 2021	Station: L002	Time: 0727	LOCAL
Net Event # 971	CTD # 71		
Latitude: 48° 58.258 N	Longitude: 125° 47.124 W		
deg min.dec	deg min.dec		
Wire out: 38	Wire angle: <5°	Bottom Depth: 44 m	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
4551	4781W	Non-flow = pickled	

Notes: Released 30 EUTIN from pickled side
Removed 3 crab larvae (1 megalopa, 2 zoea) & one fish larvae => ETO

Date: 22 May 2021	Station: L004	Time: 09:39 PDT	LOCAL
Net Event # 75	CTD # 76		
Latitude: 48 53.180 N	Longitude: 125 57.047 W		
deg min.dec	deg min.dec		
Wire out: 43857	Wire angle: 0	Bottom Depth: 63	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
4788	5156	Non-flow = pickled	

Notes: Removed 18 EUTIN

Date: 22.05.21	Station: L009	Time: 1749	LOCAL
Net Event # 87	CTD # 85		
Latitude: 48 35 494 N	Longitude: 126 36 431 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 1069	
Net Type: Bongo	Tow Type: VNH		
Flow start 5158	Flow end 6716	Flow = frozen	
		Non-flow = pickled	

Notes: NON FLOW 2 SOL SALAS 37 AGG -80 -> EVGENY USC
150 LMHE REMOVED -> ETOH

Date: 22 MAY 21	Station: LD11	Time: 2146	LOCAL
Net Event # 91	CTD # 93		
Latitude: 48 28.80 N	Longitude: 126 43.55 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 12	Bottom Depth: 1636	
Net Type: BONGO	Tow Type: VNH		
Flow start 6716	Flow end 8711	Flow = frozen	
		Non-flow = pickled	

Notes: 1 MYCTOPHID PRIMO PARAPHRONIMA 100 LMHE -> ETOH
GONATUS RELEASED



Plankton Net Tow Log Sheet

Cruise #: 2021-005 Vessel: JPT

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Project(s): La Perouse

Contact: MCG

TSK Serial #: 7129

RBR serial #: 78976

Time offset = +

hrs = UTC (please record local time for samples)

Date: 23 May 2021	Station: LG07	Time: 1135	LOCAL
Net Event # 101	CTD # 102		
Latitude: 48° 59.426 N	Longitude: 127° 07.197 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 12	Bottom Depth: 1765	
Net Type: BONGO	Tow Type: VNH		
Flow start 25567	Flow end 27367	Flow = frozen	
		Non-flow = pickled	

Notes: SALAS SOL 2 - 9 AGG - 80 → EVGENY
FLOW NON FLOW
100 LIME 1 CAN MM → ETOH

Date: 23 05 21	Station: LG04	Time: 1701	LOCAL
Net Event # 107	CTD # 106	12	
Latitude: 49° 11.18 N	Longitude: 126° 49.66 W		
deg min.dec	deg min.dec		
Wire out: 140	Wire angle: 0	Bottom Depth: 148	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
27367	28351	Non-flow = pickled	

Notes:

Date: 23 05 21	Station: LG02	Time: 1956	LOCAL
Net Event # 111	CTD # 110		
Latitude: 49° 18.84 N	Longitude: 126° 38.19 W		
deg min.dec	deg min.dec		
Wire out: 95	Wire angle: 0	Bottom Depth: 701	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
28351	29072	Non-flow = pickled	

Notes: REMOVED 38 ETOH 12 PLUBA NON FLOW

Date: 23 05 21	Station: LG02	Time: 2017	LOCAL
Net Event # 112	CTD # 110		
Latitude: 48° 18.82 N	Longitude: 126° 38.33 W		
deg min.dec	deg min.dec		
Wire out: 95	Wire angle: 20	Bottom Depth: 101	
Net Type:	Tow Type:		
Flow start 29072	Flow end 30807	Flow = frozen	
		Non-flow = pickled	

Notes: BOTH SIDES FROZEN TO UNIL



Plankton Net Tow Log Sheet

Cruise #: 2021-005 Vessel: Tully

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Project(s): LaPerouse

Contact: Moira

TSK Serial #: 7129

RBR serial #: 78976

Time offset = +

hrs = UTC (please record local time for samples)

Date: 24.05.21	Station: LBP8	Time: 22:59 PDT	LOCAL
Net Event # 134	CTD # 133		
Latitude: 49 48.59 N		Longitude: 128 16.74 W	
deg min.dec		deg min.dec	
Wire out: 250	Wire angle: 10	Bottom Depth: 2079	
Net Type: Bongo	Tow Type: VNH		
Flow start 35597	Flow end 37335	Flow = frozen	
		Non-flow = pickled	
Notes: REMOVED 40 SALAS AGG 1 REQ 1 PLUBA			

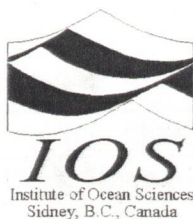
Date: 24.05.21	Station: LBP8	Time: 23:18 PDT	LOCAL
Net Event # 135	CTD # 133		
Latitude: 49 48.58 N		Longitude: 128 16.77 W	
deg min.dec		deg min.dec	
Wire out: 250	Wire angle: 15	Bottom Depth:	
Net Type: Bongo	Tow Type: VNH		
Flow start 37335	Flow end 38012	Flow = frozen	
		Non-flow = pickled	
Notes:			

Date: 2021 0524	Station: LBP8	Time: 00:10 PDT	LOCAL
Net Event # 136	CTD # 133		
Latitude: 49 48.590 N		Longitude: 128 16.783 W	
deg min.dec		deg min.dec	
Wire out: 1200	Wire angle: 0	Bottom Depth:	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen - 1 ATOLLA into ETOH	
38012	47628	Non-flow = pickled - picked 9 small	

Notes: tons of large salps visible @ surface
1 big squid! (not in net)
sulpa aspera ~1"

Date: 25 MAY 2021	Station: LBP7	Time: 02:04 PDT	LOCAL
Net Event # 139	CTD # 140		
Latitude: 49 52.308 N		Longitude: 128 11.245 W	
deg min.dec		deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 2176	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
47628	49368	Non-flow = pickled	

Notes: Put into scint vial w/ 95% ETOH
Removed 13 Cancer megalopt & 1 larval fish from pickled side
Removed 14 Cancer megalopt from frozen side
Frozen side collected S. aspera colony & one solitary; pickled side did not.
#small scale patchiness



Plankton Net Tow Log Sheet

Cruise #: 2021005 Vessel: JPTOLLY Page: 11/17
Project(s): LA PEROUSE Contact: MOIRA
TSK Serial #: RBR serial #:

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

Date: 25.05.21	Station: CPE2	Time: 1949	LOCAL
Net Event # 156	CTD # 155		
Latitude: 50 42.835 N	Longitude: 128 40.470 W		
deg min.dec	deg min.dec		
Wire out: 120	Wire angle: 25	Bottom Depth: 126	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
53884	54958	Non-flow = pickled	

Notes:

Date: 25.05.21	Station: LQ03	Time: 2308	LOCAL
Net Event # 159	CTD # 158		
Latitude: 50 39.467 N	Longitude: 129 02.24 W		
deg min.dec	deg min.dec		
Wire out: 20	Wire angle: 20	Bottom Depth: 1472	
Net Type: BONGO	Tow Type: VNH		
Flow start 54958	Flow end 57140	Flow = frozen	
		Non-flow = pickled	

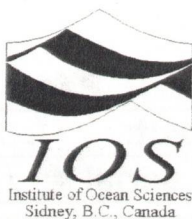
Notes: LIMHE COTTID → ETOH
RELEASE OCTRD + LIPFU

Date: 26 May 2021	Station: J122	Time: 01:36 PDT	LOCAL
Net Event # 161	CTD # 160		
Latitude: 50 40.023 N	Longitude: 129 17.575 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 15	Bottom Depth: 1369	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
57140	59016	Non-flow = pickled	

Notes: Removed 67 S. aspera from pickled side → frozen
Released 4 pleurobrachia
Removed 3 C. magister & LIMHE → ETOH

Date: 26 May 2021	Station: 4500	Time: 1817	LOCAL
Net Event # 163	CTD # 164		
Latitude: 50 27.722 N	Longitude: 129 59.809 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 20	Bottom Depth: 2180	
Net Type: BONGO	Tow Type: VNH		
Flow start 59038	Flow end	Flow = frozen	
	62370	Non-flow = pickled	

Notes: NEOCR V → AKASH NON FLOW



Plankton Net Tow Log Sheet

Cruise #: 2021-005 Vessel: *Thuy* Page: 13/17
Project(s): *La Perouse* Contact: *MOIRA*
TSK Serial #: *7129* RBR serial #: *78976*
Time offset = + hrs = UTC (please record local time for samples)

Date: <i>27 May 2021</i>	Station: <i>New ODAS</i>	Time: <i>1226</i>	LOCAL
Net Event # <i>175</i>	CTD # <i>174</i>		
Latitude: <i>50 56.515</i> N		Longitude: <i>129 59.091</i> W	
deg min.dec		deg min.dec	
Wire out: <i>250</i>	Wire angle: <i>10</i>	Bottom Depth: <i>2119</i>	
Net Type: <i>Bowuo</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>705163</i>	<i>72382</i>	Non-flow = pickled	

Notes: *FLOW SALFU AGG -80 → EVGENY*
REMOVE 23 SALAS AGG 2 PLUBA - FLOW
12 SALAS AGG 4 PLUBA - NONFLOW

Date: <i>27 May 2021</i>	Station: <i>NEW ODAS</i>	Time: <i>1323</i>	LOCAL
Net Event # <i>176</i>	CTD # <i>174</i>		
Latitude: <i>50 56.868</i> N		Longitude: <i>129 59.863</i> W	
deg min.dec		deg min.dec	
Wire out: <i>1200</i>	Wire angle: <i>10</i>	Bottom Depth: <i>2119</i>	
Net Type: <i>Bowuo</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>72382</i>	<i>83189</i>	Non-flow = pickled	

Notes: *4 SALAS SOL NON-FLOW - REMOVED*
1 SOL FISH SHRIMP LACORES LIMHE → ETOH

Date: <i>27 May 21</i>	Station: <i>CS3B</i>	Time: <i>1728</i>	LOCAL
Net Event # <i>179</i>	CTD # <i>178</i>		
Latitude: <i>51 00.070</i> N		Longitude: <i>129 27.244</i> W	
deg min.dec		deg min.dec	
Wire out: <i>215</i>	Wire angle: <i>22</i>	Bottom Depth: <i>224</i>	
Net Type: <i>Bowuo</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>83190</i>	<i>85249</i>	Non-flow = pickled	

Notes: *HUGE LIMHE!*
REMOVED ~40 LIMHE FROM FLOW SIDE → ETOH

Date: <i>27 May 21</i>	Station: <i>CS09</i>	Time: <i>2007</i>	LOCAL
Net Event # <i>181</i>	CTD # <i>180</i>		
Latitude: <i>50 56.433</i> N		Longitude: <i>129 00.196</i> W	
deg min.dec		deg min.dec	
Wire out: <i>600</i>	Wire angle: <i>15</i>	Bottom Depth: <i>68</i>	
Net Type: <i>Bowuo</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>85249</i>	<i>86030</i>	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2021-005 Vessel: JPT

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Project(s): La Perouse

Contact: MOIRA

TSK Serial #: 7129

RBR serial #: 78976

Time offset = +

hrs = UTC (please record local time for samples)

Date: 28 May 2021	Station: CS09	Time: 0338	LOCAL
Net Event # 190	CTD # 192		
Latitude: 51° 12.502 N		Longitude: 128° 28.123 W	
deg min.dec		deg min.dec	
Wire out: 192	Wire angle: 0	Bottom Depth: 197	
Net Type: BON60	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
89349	91198	Non-flow = pickled	

Notes:

Date: 28 May 2021	Station: CS09	Time: 0357 PDT	LOCAL
Net Event # 191	CTD # 192		
Latitude: 51° 12.436 N		Longitude: 128° 28.053 W	
deg min.dec		deg min.dec	
Wire out: 192	Wire angle: 45	Bottom Depth: 197	
Net Type: BON60	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
91198	92768	Non-flow = pickled	

Notes: pipette full of LIMITE → Etoit

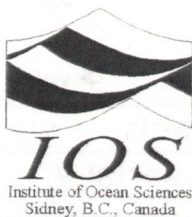
Date: 28 May 2021	Station: CS10	Time: 0534	LOCAL
Net Event # 193	CTD # 194		
Latitude: 51° 16.581 N		Longitude: 128° 26.339 W	
deg min.dec		deg min.dec	
Wire out: 78	Wire angle: 0	Bottom Depth: 82	
Net Type: BON60	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
		Non-flow = pickled	

Notes: Removed 6 EUTIM, 1 solmissus from pickled side

Date: 28 May 2021	Station: 555	Time: 0745	LOCAL
Net Event # 195	CTD # 196		
Latitude: 51° 28.144 N		Longitude: 128° 20.450 W	
deg min.dec		deg min.dec	
Wire out: 194	Wire angle: 45	Bottom Depth: 199	
Net Type: BON60	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
93616	95033	Non-flow = pickled	

Notes:

Released 3 pleurobrachia, 1 S. fusiformis



Plankton Net Tow Log Sheet

Cruise #: 2021-005 Vessel: Nily

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Project(s): LaPerouse

Contact: Moira

TSK Serial #: 7129

RBR serial #: 78976

Time offset = +

hrs = UTC (please record local time for samples)

Date: 29 MAY 2021	Station: 12	Time: 0907 PDT LOCAL
Net Event # 209	CTD # 211	
Latitude: 49 43.566 N	Longitude: 125 40.910 W	
deg min.dec	deg min.dec	
Wire out: 347	Wire angle: 0	Bottom Depth: 357
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
02952	04140	Non-flow = pickled

Notes: From frozen => 30 cyphocornis, 2 fish larvae, 4 hyperiids, 3 bery, 2 primno, 13 UMHE => ETOH

Date: 29 MAY 21	Station: 22	Time: 1419 LOCAL
Net Event # 215	CTD # 216	
Latitude: 49 40.17 N	Longitude: 124 16.33 W	
deg min.dec	deg min.dec	
Wire out: 346	Wire angle: 0	Bottom Depth: 350
Net Type: Bongo	Tow Type: VNH	
Flow start 4140	Flow end 6181	Flow = frozen
		Non-flow = pickled

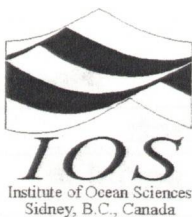
Notes: 2 BERAB 5 CYPCH 1 PLUBA 1 PYLA? 4 PRIAB 1 HYP -> ETOH
NON FLOW 30 LIMHE 50

Date: 29.05.21	Station: 24	Time: 1129 LOCAL
Net Event # 217	CTD # 219	
Latitude: 49 30.501 N	Longitude: 124 06.14 W	
deg min.dec	deg min.dec	
Wire out: 4115	Wire angle: 8	Bottom Depth: 425
Net Type: Bongo	Tow Type: VNH	
Flow start 6181	Flow end 8873	Flow = frozen
		Non-flow = pickled

Notes:

Date: 29.05.21	Station: 9	Time: 2044 LOCAL
Net Event # 222	CTD # 220	
Latitude: 49 35.59 N	Longitude: 124 38.23 W	
deg min.dec	deg min.dec	
Wire out: 160	Wire angle:	Bottom Depth: 170
Net Type: Bongo	Tow Type: VNH	
Flow start 8873	Flow end 9943	Flow = frozen
		Non-flow = pickled

Notes: 1 SCIBO 2 MUNGU 4 CYPCH 4 TIKPA 2 HYPHE 1 PLUBA
1 FISHC 1 OCTRU -> ETOH
NON FLOW



Plankton Net Tow Log Sheet

Cruise #: 2021-005 Vessel: Tully

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Project(s): La Perouse

Contact: MG

TSK Serial #:

RBR serial #:

Time offset = +

hrs = UTC (please record local time for samples)

Date: 30 05 21	Station: 46	Time: 1455	LOCAL
Net Event # 242	CTD # 241		
Latitude: 48 51.34 N	Longitude: 123.10.82 W		
deg min.dec	deg min.dec		
Wire out: 170	Wire angle:	Bottom Depth: 177	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
18814	19888	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 #: 2021-005 Vessel:

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Project(s): LaPerouse

Contact: MG

TSK Serial #: 7129

RBR serial #: 78976

Time offset = +

hrs = UTC (please record local time for samples)

Date: 20.05.21	Station: C2	Time: 14:13 UTC	LOCAL 0713 PDT
Net Event # 19	CTD # 17		
Latitude: 48° 26.580 N	Longitude: 125° 18.835 W		
deg min.dec	deg min.dec		
Wire out: 153	Wire angle: 50	Bottom Depth: 160	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
59523	61046	Non-flow = pickled	

Notes:

Date: 20.05.21	Station: C3	Time: 16:08 UTC	LOCAL 0908 PDT
Net Event # 22	CTD # 20		
Latitude: 48° 23.570 N	Longitude: 125° 20.378 W		
deg min.dec	deg min.dec		
Wire out: 117	Wire angle: 10°	Bottom Depth: 121	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
61048	62011	Non-flow = pickled	

Notes: Removed 3 megalopods from biomass Hde → ETOH + some copepods, unintentionally

Date: 20.05.21	Station: LB07	Time: 1721 UTC	LOCAL 11021 PDT
Net Event # 24	CTD # 23		
Latitude: 48° 28.664 N	Longitude: 125° 22.249 W		
deg min.dec	deg min.dec		
Wire out: 150	Wire angle: 45°	Bottom Depth: 157	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
62012	63171	Non-flow = pickled	

Notes: Removed two lipurids; one from frozen, other from pickled → ETOH

Date: 20 May 21	Station: B8	Time: 1200	LOCAL
Net Event # 26	CTD # 25		
Latitude: 48° 34.323 N	Longitude: 125° 29.879 W		
deg min.dec	deg min.dec		
Wire out: 117	Wire angle: 10°	Bottom Depth: 122	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
63173	64180	Non-flow = pickled	

Notes:

LIMITE NON FLOW → ETOH → MATT



Plankton Net Tow Log Sheet

Cruise #: 2021-005 Vessel: Tully Page: 4/17

Project(s): La Perouse Contact: MG

TSK Serial #: 7129 RBR serial #: 78976

Time offset = +

hrs = UTC (please record local time for samples)

Date: 21 May 2021 Station: LB16 Time: 03:24 PDT LOCAL

Net Event # 41 CTD # 40

Latitude: 48 0.461 N Longitude: 126 16.877 W
deg min.dec deg min.dec

Wire out: 1200 Wire angle: 5 Bottom Depth: 1810

Net Type: BONGO Tow Type: VNH

Flow start Flow end Flow = frozen

69549 80131 Non-flow = pickled

Notes: Removed 40 Salpa aspera; 2 fish larvae from Pickled => EtoH
Removed a bunch of LIMHE from frozen side => EtoH

Date: 21 May 2021 Station: LB16 Time: 04:03 PDT LOCAL

Net Event # 42 CTD # 40

Latitude: 48 0.460 N Longitude: 126 16.877 W
deg min.dec deg min.dec

Wire out: 250 Wire angle: 5 Bottom Depth: 1810

Net Type: BONGO Tow Type: VNH

Flow start Flow end Flow = frozen

80131 82329 Non-flow = pickled

Notes: Removed 40 Cancer magister => 27 from frozen; 14 from pickled => EtoH

Date: 21 May 21 Station: LC12 A4 Time: 09:16 PDT LOCAL

Net Event # 44 CTD # 43

Latitude: 48 15.114 N Longitude: 126 40.000 W
deg min.dec deg min.dec

Wire out: 250 Wire angle: 5 Bottom Depth: 2500

Net Type: BONGO Tow Type: VNH

Flow start Flow end Flow = frozen

83021 85055 Non-flow = pickled

Notes: first net attempt aborted net came back furled
Picked 3 C. magister from bottom side and one larval fish
=> EtoH

Date: 21 May 21 Station: LC12 A4 Time: 10:11 PDT LOCAL

Net Event # 45 CTD # 43

Latitude: 48 15.115 N Longitude: 126 40.008 W
deg min.dec deg min.dec

Wire out: 1200 Wire angle: 0 Bottom Depth: 2500

Net Type: BONGO Tow Type: VNH

Flow start Flow end Flow = frozen

85055 94398 Non-flow = pickled

Notes:

(Picked 5 cancer, many LIMHE, 1 Primno ABYSSALIS brevidens, 1 orchamena, 1 gammarid, and many colonial S. aspera w/ one solitary, EtoH)

-40°C



Plankton Net Tow Log Sheet

Cruise #: 2021005 Vessel: SP TOLLY Page: 4/17

Project(s): LA PEROUSE Contact: MOIRA

TSK Serial #: 7121 RBR serial #: 78976

Time offset = +

hrs = UTC (please record local time for samples)

Date: 21.05.21	Station: LC06/B6	Time: 0555	LOCAL
Net Event # 58	CTD # 57		
Latitude: 48 36.52 N		Longitude: 125 53.92 W	
deg min.dec		deg min.dec	
Wire out: 88	Wire angle: 0	Bottom Depth: 94	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
1308	1965	Non-flow = pickled	

Notes: 3 FISH LARVAE → ETOH

SM 1 LARVA 1 GAMMARID

Date: 22.05.21	Station: LC05/B5	Time: 00:02	LOCAL
Net Event # 60	CTD # 59		
Latitude: 48 39.996 N		Longitude: 125 47.137 W	
deg min.dec		deg min.dec	
Wire out: 57	Wire angle: 7°	Bottom Depth: 64	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
1965	2429	Non-flow = pickled	

Notes:

Date: 22.05.21	Station: LC04	Time: 01:02 PDT	LOCAL
Net Event # 61	CTD # 63		
Latitude: 48 43.475 N		Longitude: 125 40.806 W	
deg min.dec		deg min.dec	
Wire out: 160	Wire angle: 6	Bottom Depth: 167	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
2429	3452	Non-flow = pickled	

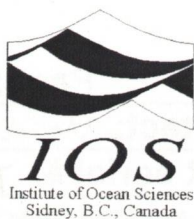
Notes:

picked 3 pleurobrachia
2 mitrocomas? out of pickled side

Date: 22.05.21	Station: LC04	Time: 01:19	LOCAL
Net Event # 62	CTD # 63		
Latitude: 48 43.416 N		Longitude: 125 40.799 W	
deg min.dec		deg min.dec	
Wire out: 160	Wire angle: 0	Bottom Depth: 167	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
3452	4551	Non-flow = pickled	

Notes:

Both sides frozen. -80 → UVIC



Plankton Net Tow Log Sheet

Cruise #: 2021-005 Vessel: Tully

Page: 6/17

Project(s): La Perouse

Contact: MG

TSK Serial #: 7129

RBR serial #: 78976

Time offset = +

hrs = UTC (please record local time for samples)

Date: 22 May 2021	Station: LD11	Time: 2159	LOCAL
Net Event #	CTD # 93		
Latitude: 48 28.89 N	Longitude: 126 43.71 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 20	Bottom Depth: 1571	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
8791	10006	Non-flow = pickled	

Notes: BOTH SIDES FROZEN -80 → UVIC

Date: 23 May 2021	Station: LG09	Time: 05:35 PDT	LOCAL
Net Event # 96	CTD # 99		
Latitude: 48 51.179 N	Longitude: 127 19.417 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5	Bottom Depth: 2062	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
13452	23662	Non-flow = pickled	

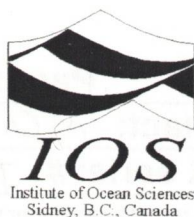
Notes: Removed 14 S. aspera → Frozen
Removed 2 L. murrayi → EtoH → They were with a colony of S. aspera

Date: 23 May 2021	Station: LG09	Time: 06:24 PDT	LOCAL
Net Event # 97	CTD # 99		
Latitude: 48 51.224 N	Longitude: 127 19.506 W		
deg min.dec	deg min.dec		
Wire out: 1200	Wire angle: 0	Bottom Depth: 2062	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
13452	23662	Non-flow = pickled	

Notes: Removed 1 fish & LIMITE → EtoH
Removed 6 S. aspera → frozen

Date: 23 May 2021	Station: LG09	Time: 07:04 PDT	LOCAL
Net Event # 98	CTD # 99		
Latitude: 48 51.259 N	Longitude: 127 19.546 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 2062	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
23662	25565	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2021005 Vessel: JPTow Page: 8/17
 Project(s): La Perouse Contact: MORA
 TSK Serial #: 7129 RBR serial #: 78976
 Time offset = + hrs = UTC (please record local time for samples)

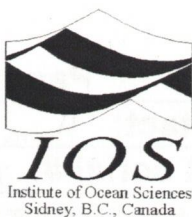
Date: 24 May 2021	Station: L502	Time: 01:17 PDT	LOCAL
Net Event # 117	CTD # 118		
Latitude: 49 42.640 N	Longitude: 127 5.263 W		
deg min.dec	deg min.dec		
Wire out: 77	Wire angle: 17°	Bottom Depth: 83	
Net Type: BONGRO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
30808	30365	Non-flow = pickled	
Notes: Released 24 EUTIN, 14 Pleurobrachia w/VVP, also Removed 2 larval fish into EtOH. (scint vial)			

Date: 24 May 2021	Station: L504	Time: 03:46 PDT	LOCAL
Net Event # 122	CTD #		
Latitude: 49 35.243 N	Longitude: 127 16.422 W		
deg min.dec	deg min.dec		
Wire out: 153	Wire angle: 45°	Bottom Depth:	
Net Type: BONGRO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
30364	31442	Non-flow = pickled	
Notes: Released 3 fish larvae, 5 EUTIN, 2 Pleurobrachia, 1 MIOLE w/VVP 15 Fish larvae + 1 Cancer megalops => EtOH			

Hit a bunch
of fish larvae
here (all same
species), most
died :)

Date: 24 May 2021	Station: L506	Time: 07:11 PDT	LOCAL
Net Event # 126	CTD # 125		
Latitude: 49 27.716 N	Longitude: 127 28.295 W		
deg min.dec	deg min.dec		
Wire out: 270	Wire angle: 20	Bottom Depth: 1040	
Net Type: BONGRO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
		Non-flow = pickled	
Notes: wire out = 270 ; depth reached w/20 = ~250 m. Removed 13 Pleurobrachia / 1 Cancer megalops => EtOH			

Date: 24 May 2021	Station: L509	Time: 1225	LOCAL
Net Event # 129	CTD # 130		
Latitude: 49° 15.979 N	Longitude: 127° 47.248 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 2492	
Net Type: BONGRO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
33695	35593	Non-flow = pickled	
Notes: 21 SALPA AGG NOT FLOW > -80 -> EUGENY 3 11 SOL FLOW			



Plankton Net Tow Log Sheet

Cruise #: 2021-005 Vessel: JPT

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Project(s): La Perouse

Contact: MGN

TSK Serial #: 7129

RBR serial #: 78976

Time offset = +

hrs = UTC (please record local time for samples)

Date: 25 May 2021	Station: LBP5	Time: 05:54 AM LOCAL
Net Event # 142	CTD # 144	
Latitude: 49° 59.953 N	Longitude: 128° 00.500 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 1286
Net Type: Bonho	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
49368	51122	Non-flow = pickled
Notes: Released 2 Solmissus jellies from pickled side		

Date: 25 May 2021	Station: LBP3	Time: 0939 PDT LOCAL
Net Event # 147	CTD # 149	
Latitude: 50 03.237 N	Longitude: 127 55.398 W	
deg min.dec	deg min.dec	
Wire out: 160	Wire angle:	Bottom Depth: 166
Net Type: Bonho	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
51123	52175	Non-flow = pickled
Notes: Released 11 Pleurobrachia, 4 Eutima, 1 Solmissus, 2 megalops, 2 Zoea cancer → E60 H		

Date: 25 May 2021	Station: LBP3	Time: 10:00 PDT LOCAL
Net Event # 148	CTD # 149	
Latitude: 50 3.277 N	Longitude: 127 55.428 W	
deg min.dec	deg min.dec	
Wire out: 155	Wire angle: 0	Bottom Depth: 162
Net Type: Bonho	Tow Type: VNH	
Flow start 52175	Flow end 53245	Flow = frozen
		Non-flow = pickled
Notes:		

Date: 25 May 2021	Station: LBP2	Time: 10:55 PDT LOCAL
Net Event # 150	CTD # 151	
Latitude: 50 4.047 N	Longitude: 127 54.279 W	
deg min.dec	deg min.dec	
Wire out: 90	Wire angle: 0	Bottom Depth: 96
Net Type: Bonho	Tow Type: VNH	
Flow start 53245	Flow end 53848	Flow = frozen
		Non-flow = pickled
Notes:		

Notes: DISCARDED 8 EUTIMA
8 PLEURO
2 SALAS

PICKED 38 MEGALOPS
CANON 1 OREGM



Plankton Net Tow Log Sheet

Cruise #: 2021-005 Vessel: SPT

Page: 12/17

Project(s): La Perouse

Contact: MCG

TSK Serial #: 7129

RBR serial #: 78976

Time offset = +

hrs = UTC (please record local time for samples)

Date: 27 May 2021 Station: CS02 Time: 03:22 PDT LOCAL

Net Event # 168 CTD # 167

Latitude: 50 41.883 N Longitude: 129 27.875 W
deg min.dec deg min.dec

Wire out: 250 Wire angle: <5 Bottom Depth: 1880

Net Type: BONGO Tow Type: VNH

Flow start Flow end Flow = frozen

62374 64841 Non-flow = pickled

Notes: LIMHE & 2 primos from frozen side => EtOH

Date: 27 May 2021 Station: CS02 Time: 0337 LOCAL

Net Event # 169 CTD # 167

Latitude: 50 41.904 N Longitude: 129 27.849 W
deg min.dec deg min.dec

Wire out: 250 Wire angle: <5 Bottom Depth: 1880

Net Type: BONGO Tow Type: VNH

Flow start Flow end Flow = frozen

64841 67148 Non-flow = pickled

Notes: 3 canker 20cm => EtOH
Both sides frozen for Alkath

Date: 27 May 2021 Station: CS03 Time: 05:10 PDT LOCAL

Net Event # 170 CTD # 171

Latitude: 50 45.434 N Longitude: 129 20.040 W
deg min.dec deg min.dec

Wire out: 238 Wire angle: 20 Bottom Depth: 244

Net Type: BONGO Tow Type: VNH

Flow start Flow end Flow = frozen

67148 69592 Non-flow = pickled

Notes: Released 1 S. asper, 2 Solmisis, 1 pleurobrachia
LIMHE from frozen => EtOH

Date: 27 May 2021 Station: CS04 Time: 06:38 PDT LOCAL

Net Event # 172 CTD # 173

Latitude: 50 49.214 N Longitude: 129 13.146 W
deg min.dec deg min.dec

Wire out: 93 Wire angle: 20 Bottom Depth: 100

Net Type: BONGO Tow Type: VNH

Flow start Flow end Flow = frozen

69594 70562 Non-flow = pickled

Notes: 26 LIMHE, 1 C. magister, 2 clones => EtOH
Released 3 pleurobrachia

from pickled: 26 LIMHE, 1 C. magister, 2 clones => EtOH
from frozen: 36 LIMHE => EtOH

June
EtOH
Acid
Vial



Plankton Net Tow Log Sheet

Cruise #: 2021005 Vessel: JPTULLY Page: 13/17

Project(s): LA PEROUSE Contact: MOIRA

TSK Serial #: 7129 RBR serial #: 78976

Time offset = +

hrs = UTC (please record local time for samples)

Date: 27.05.21	Station: CS1B	Time: 2202	LOCAL
Net Event # 183	CTD # 182		
Latitude: 50 53.132 N		Longitude: 128 39.62 W	
deg min.dec		deg min.dec	
Wire out: 70	Wire angle: 24	Bottom Depth: 79	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
86030	86630	Non-flow = pickled	

Notes: catch & release 2 OCTRU
1 HEMDE → ETOH

Date: May 28, 2021	Station: CS06	Time: 0002	LOCAL
Net Event # 185	CTD # 184		
Latitude: 50 59.697 N		Longitude: 128 51.096 W	
deg min.dec		deg min.dec	
Wire out: 60	Wire angle: 30	Bottom Depth: 69	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
86635	87439	Non-flow = pickled	

Notes: LIMHE → ETOH

Date: 28 May 2021	Station: CS07	Time: 01:01 PDT	LOCAL
Net Event # 186	CTD # 187		
Latitude: 51 04.495 N		Longitude: 128 43.917 W	
deg min.dec		deg min.dec	
Wire out: 62	Wire angle: 20°	Bottom Depth: 66	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
87445	88167	Non-flow = pickled	

Notes: wire out 2+ metres due to 20° angle
Released 8 EUTIN

Date: 28 May 2021	Station: CS08	Time: 02:13 PPT	LOCAL
Net Event # 188	CTD # 189		
Latitude: 51 08.503 N		Longitude: 128 35.956 W	
deg min.dec		deg min.dec	
Wire out: 140	Wire angle: 0	Bottom Depth: 146	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
88167	89350	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2021-005 Vessel: JPT

Page: 15/17

Project(s): Lapevrouse

Contact: MORRIS

TSK Serial #: 7129

RBR serial #: 78976

Time offset = +

hrs = UTC (please record local time for samples)

Date: 28 May 2021	Station: 556	Time: 1017	LOCAL
Net Event # 197	CTD # 198		
Latitude: 51 deg 19.927N	Longitude: 128 00.005W		
deg min.dec	deg min.dec		
Wire out: 170	Wire angle: 10	Bottom Depth: 175	
Net Type: BONGO	Tow Type: VNH		
Flow start: 95034	Flow end: 96231	Flow = frozen	
		Non-flow = pickled	
Notes: Released 1 EUTIM, 3 solmisis from pickled side 10 cyphocaris => ETOH (5 each from green & red side)			

Date: 28 May 2021	Station: CDE1	Time: 1316	LOCAL
Net Event # 200	CTD # 199		
Latitude: 50 54.69 N	Longitude: 127 49.64 W		
deg min.dec	deg min.dec		
Wire out: 145	Wire angle: 5	Bottom Depth: 150	
Net Type: BONGO	Tow Type: VNH		
Flow start: 96231	Flow end: 97346	Flow = frozen	
		Non-flow = pickled	
Notes:			

Date: 28 May 2021	Station: 5501	Time: 1828	LOCAL
Net Event # 201	CTD # 202		
Latitude: 50 32.886 N	Longitude: 126 28.123 W		
deg min.dec	deg min.dec		
Wire out: 360	Wire angle: 28	Bottom Depth: 373	
Net Type: BONGO	Tow Type: VNH		
Flow start: 97346	Flow end: 00063	Flow = frozen	
		Non-flow = pickled	
Notes: 1 NECTOLIPARIS 1 HAP, 20 LIMHE -> ETOH 1 PRIAB 2 CYPCN			

Date: 29 May 2021	Station: 14	Time: 0622	LOCAL
Net Event # 207	CTD # 208		
Latitude: 49 52.871 N	Longitude: 124 59.717 W		
deg min.dec	deg min.dec		
Wire out: 303	Wire angle: 45	Bottom Depth: 313	
Net Type: BONGO	Tow Type: VNH		
Flow start: 00972	Flow end: 02932	Flow = frozen	
		Non-flow = pickled	
Notes:			

into one
250ml
jar.

{ pickled side => 1 CAMAG => ETOH

{ frozen side => 30 cyphocaris, 5 hyperid, 1 plano, 10 Beroe, 7 LIMHE => ETOH
" also 1 cephalopod (prob. squid) larva



Plankton Net Tow Log Sheet

Cruise #: 2021005 Vessel: JPTUUY Page: 17/16

Project(s): LAPEROUSE Contact: MOIRA

TSK Serial #: RBR serial #:

Time offset = +

hrs = UTC (please record local time for samples)

Date: 29.05.21	Station: CPF2	Time: 2313	LOCAL
Net Event # 224	CTD # 225		
Latitude: 49 27.127 N	Longitude: 124 29.966 W		
deg min.dec	deg min.dec		
Wire out: 317	Wire angle: 30	Bottom Depth: 327	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
9943	11918	Non-flow = pickled	

Notes:

Date: 30 May 2021	Station: CPF1	Time: 03:29 PDT	LOCAL
Net Event # 230	CTD # 231		
Latitude: 49 22.043 N	Longitude: 124 5.343 W		
deg min.dec	deg min.dec		
Wire out: 236	Wire angle: 12°	Bottom Depth: 245	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
11919	13800	Non-flow = pickled	

Notes: Frozen => 6 LIMHE, 2 CANAG mega, 1 cancer zoec, 1 primno, 3 hyperid => ETOH } same
pickled => THEPA, CANAG, LIMHE, Pleurobrachia, n, primno, 11 cyphocaris, fish => ETOH } same

Date: 30 May 2021	Station: GEF01	Time: 07:06 PDT	LOCAL
Net Event # 234	CTD # 233		
Latitude: 49 15.010 N	Longitude: 123 45.078 W		
deg min.dec	deg min.dec		
Wire out: 394	Wire angle: 0	Bottom Depth: 404	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
13799	16144	Non-flow = pickled	

Notes:

Frozen => 2 Pleurobrachia, 5 berce, 11 cyphocaris, 16 THEPA, 2 Hyperid => ETOH

Date: 30.05.21	Station: 42	Time: 1241	LOCAL
Net Event # 240	CTD # 238		
Latitude: 49° 01.56 N	Longitude: 123° 26.51 W		
deg min.dec	deg min.dec		
Wire out: 311	Wire angle: 27°	Bottom Depth: 321	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
16145	18814	Non-flow = pickled	

Notes: 1 BERAB 4 CYPCH 4 THEPA 3 MERPR 2 HYPER => ETOH
NON FLOW 5 LIMHE <1