



Plankton Net Tow Log Sheet

Cruise #: 2019-23 Vessel: JPTOLLY Page: 1

Project(s): LAPEROUSE Contact: MOIRA

TSK Serial #: 4794 RBR serial #: SILVER

Time offset = +

hrs = UTC (please record local time for samples)

Date: 29-08-19	Station: CHARO 59	Time: 12303	LOCAL
Net Event # 3	CTD # 2		
Latitude: 48 34 84 N	Longitude: 123 14 67 W		
deg min dec	deg min dec		
Wire out: 250	Wire angle: 40	Bottom Depth: 237	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
52011	55070	Non-flow = pickled	

Notes:

biomass side: 2x Pleurobrachia 11, 11 mm
formalin side: 2x Pleurobrachia 9.9 mm

Date: 30-08-19	Station: JF2	Time: 4132	LOCAL
Net Event # 5	CTD # 4		
Latitude: 40 18 01 N	Longitude: 124 00 16 W		
deg min dec	deg min dec		
Wire out: 174	Wire angle: 0	Bottom Depth: 184	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
55069	56165	Non-flow = pickled	

Notes:

Date: 30-08-19	Station: E1	Time: 1243	LOCAL
Net Event # 11	CTD # 10		
Latitude: 48 31 78 N	Longitude: 125 03 79 W		
deg min dec	deg min dec		
Wire out: 110	Wire angle: 10	Bottom Depth: 116	
Net Type: Bongo	Tow Type: VNH		
Flow start 56166	Flow end 57935	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 30-08-19	Station: C1	Time: 2650	LOCAL
Net Event # 15	CTD # 14		
Latitude: 48 28 35 N	Longitude: 125 15 32 W		
deg min dec	deg min dec		
Wire out: 145	Wire angle: 10	Bottom Depth: 152	
Net Type: Bongo	Tow Type: VNH		
Flow start 5735	Flow end 5832	Flow = frozen	
		Non-flow = pickled	

Notes:

biomass side: 2x Pleurobr. 12, 13 mm
formalin side: 2x Pleurobr. 34, 74 mm
1x Clytia 24 mm

BOT
LAT
LONG
TIME



Plankton Net Tow Log Sheet

Cruise #: 2019-23 Vessel: J.P. Tully Page: 2

Project(s): LaPerouse Contact: Motra

TSK Serial #: 4784 RBR serial #: silver

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

Date: 30/8/2019	Station: C2	Time: 17:58	LOCAL
Net Event # 17	CTD # 16		
Latitude: 48 26.26 N	Longitude: 125 09.76 W		
deg min.dec	deg min.dec		
Wire out: 155	Wire angle: 0	Bottom Depth: 159	
Net Type: Bongo	Tow Type: VNH		
Flow start 58993	Flow end 59139	Flow = frozen	
		Non-flow = pickled	

Notes: Jorndin side: 2 Cyba 14, 14 mm
2 Bolidopsis (size undetermined)

BOTTOM
LAT
LONG
TIME

Date: 30.08.2019	Station: C3	Time: 18:29	LOCAL
Net Event # 19	CTD # 18		
Latitude: 48 23.33 N	Longitude: 125 20.78 W		
deg min.dec	deg min.dec		
Wire out: 115	Wire angle: 15	Bottom Depth: 121	
Net Type: Bongo	Tow Type: VNH		
Flow start 59200	Flow end 60310	Flow = frozen	
59200		Non-flow = pickled	

Notes:

Date: 30.08.2019	Station: LB07	Time: 19:55	LOCAL
Net Event # 21	CTD # 20		
Latitude: 48 28.68 N	Longitude: 125 22.00 W		
deg min.dec	deg min.dec		
Wire out: 150	Wire angle: 12	Bottom Depth: 155	
Net Type: Bongo	Tow Type: VNH		
Flow start 60310	Flow end 61450	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 30.08.19	Station: B8	Time: 0432	LOCAL
Net Event # 23	CTD # 22		
Latitude: 48 34.44 N	Longitude: 125 30.28 W		
deg min.dec	deg min.dec		
Wire out: 130	Wire angle: 32	Bottom Depth: 135	
Net Type: Bongo	Tow Type: VNH		
Flow start 61452	Flow end 62392	Flow = frozen	
		Non-flow = pickled	

Notes: Jorndin side: 2x Pterodactyl 14, 12 mm
1x Vitrocora 65 mm

Plankton Net Tow Log Sheet

Cruise #: 209-231 **Vessel:** J.P. Tully **Page:** 3

Project(s): La Porte **Contact:** Moore

TSK Serial #: 4794 RBR serial #: 8100

Time offset = +

hrs = UTC (please record local time for samples)

Date: 30/8/2015	Station: 37	Time: 22:30	LOCAL
Net Event # 25	CTD # 24		
Latitude: 48 31 32 N	Longitude: 125 35 66 W		
deg min.dec	deg min.dec		
Wire out: 75	Wire angle: 20	Bottom Depth: 79	
Net Type: Bongo	Tow Type: VNH		
Flow start 6232	Flow end 6250	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 31/18/2019	Station: LB08	Time: 0003	LOCAL
Net Event # 26	CTD # 27		
Latitude: 48° 25.32	N	Longitude: 125 28.72	W
deg	min.dec	deg	min.dec
Wire out: 140	Wire angle: 5°	Bottom Depth: 149	
Net Type: BONGED	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
62990	72932	Non-flow = pickled	

Notes:

~~not sure what happened with the flow here~~

Date: 31/8/19	Station: LB11	Time: 04:45	LOCAL
Net Event # 30	CTD # 3		
Latitude: 48	15.14 N	Longitude: 125	47.67 W
deg	min.dec	deg	min.dec
Wire out: 200	Wire angle: 5	Bottom Depth: 208	
Net Type: BONGO	Tow Type: VNH0		
Flow start	Flow end	Flow = frozen	
72932	74606	Non-flow = pickled	

Notes: Matt picked 3 SØ LIMHE

1 Mytrocoma picked from frozen side

5 sea gooseberries (ctenophores) picked for Florian.

for Florida (500
dolls)

Date: 3/18/19	Station: LB16	Time: 12:47	LOCAL
Net Event # 33	CTD # 37		
Latitude: 48° 00' 43" N	Longitude: 126° 16' 33" W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 1803	
Net Type: Bongo	Tow Type: VNH		
Flow start 74606	Flow end 76520	Flow = frozen	
		Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2019-23 Vessel: J. D. Tully Page: 4

Project(s): La Poudre Contact: Moira

TSK Serial #: 4794 RBR serial #: Silver

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

Date: 3/18/2019	Station: LC121A4	Time: 21:29	LOCAL
Net Event # 43	CTD # 41		
Latitude: 48 14 68 N	Longitude: 126 33 77 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 19	Bottom Depth: 2509	
Net Type: Bongo	Tow Type: VNH		
Flow start 78525	Flow end 78339	Flow = frozen	
		Non-flow = pickled	

Notes: Jorwalk side: 2 Colimae: 49, 36mm

Date: 1/9/19	Station: LC 9/A3	Time: 0906	LOCAL
Net Event # 46	CTD # 47		
Latitude: 48 25.95 N	Longitude: 126 13.67 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 614	
Net Type: BONGO	Tow Type: VNH		
Flow start 78400	Flow end 80395	Flow = frozen	
		Non-flow = pickled	

Notes: Matt picked 3 SØ LIMBE from formalin side and 2 SØ LIMBE and 1 unidentified gastropod from frozen

Date: 1/9/19	Station: A2	Time: 1106	LOCAL
Net Event # 48	CTD # 49		
Latitude: 48 22.67 N	Longitude: 126 03.69 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 363	
Net Type: BONGO	Tow Type: VNH		
Flow start 80400	Flow end 82380	Flow = frozen	
		Non-flow = pickled	

Notes: Matt picked 1 SØ LIMBE from formalin side and 2 SØ LIMBE from frozen.

Date: 1/9/19	Station: LC08/AL	Time: 0536	LOCAL
Net Event # 50	CTD # 51		
Latitude: 48 29.37 N	Longitude: 126 07.08 W		
deg min.dec	deg min.dec		
Wire out: 190	Wire angle: 5	Bottom Depth: 200	
Net Type: BONGO	Tow Type: VNH		
Flow start 82365	Flow end 83920	Flow = frozen	
		Non-flow = pickled	

Notes: Matt picked 3 LIMBE SØ from formalin side

+ 3 " " " from frozen

+ 1 unidentified from formalin for Florina

5 detritoids + 1 unidentified 5cm jelly from frozen side

* the frozen side bucket didn't get fully rinsed, so had to use a second whirl sack for the formalin side (sample is split b/w 2 bags)



Plankton Net Tow Log Sheet

Cruise #: 2019-023 Vessel: TULLY Page: 5

Project(s): LA PEROUSSE Contact: MOIRA

TSK Serial #: 4794 RBR serial #: SILVER

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

Date: 1/9/19 Station: LC 06 Time: 1438 LOCAL

Net Event # 53 CTD # 54

Latitude: 48 36.53 N Longitude: 125 54.05 W
deg min.dec deg min.dec

Wire out: 80 Wire angle: 5 Bottom Depth: 92

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

83925 84542 Non-flow = pickled

Notes: Matt picked 1 SØ LIME from Bormalin side

Date: 1/9/19 Station: LC 05 Time: 0845 LOCAL

Net Event # 56 CTD # 57

Latitude: 48 39.84 N Longitude: 125 47.55 W
deg min.dec deg min.dec

Wire out: 55 Wire angle: 5 Bottom Depth: 63

Net Type: Bongo Tow Type: VNH

Flow start 84542 Flow end 85020 Flow = frozen

Non-flow = pickled

Notes:

Date: 1/9/2019 Station: LDO2 Time: 14:44 LOCAL

Net Event # 64 CTD # 63

Latitude: 48 58.46 N Longitude: 125 46.86 W
deg min.dec deg min.dec

Wire out: 40 Wire angle: 15 Bottom Depth: 44

Net Type: Bongo Tow Type: VNH

Flow start 85017 Flow end 85325 Flow = frozen

Non-flow = pickled

Notes: biomass side

Mitrocampa 63

Doliolids 12, 10, 11, 13, 12, 10, 10, 14, 15, 15, 12, 19

Eutima 21, 16

Pleurola 20, 8, 15

Jornada side Mitrocampa 54

Doliolids 11, 12, 13, 13, 12

Eutima 20

Pleurola 11, 11, 9, 2, 10, 14

Date: 1/9/2019 Station: D04 Time: 16:34 LOCAL

Net Event # 67 CTD # 66

Latitude: 48 53.20 N Longitude: 125 57.02 W
deg min.dec deg min.dec

Wire out: 58 Wire angle: 8 Bottom Depth: 64

Net Type: Bongo Tow Type: VNH

Flow start 85325 Flow end 85718 Flow = frozen

Non-flow = pickled

Notes: biomass side Eutima: 22, 33, 19, 18

Clytia: 18, 14, 13

Jornada side Mitrocampa 30

Doliolids

10 10

9 9

10 12

10 11

9 12

8 9

13 8

10 10

12 14

15

10

14

old nurse



Plankton Net Tow Log Sheet

Cruise #: 2019-23 Vessel: J.P. Tully Page: 6

Project(s): La Perouse Contact: Mollie

TSK Serial #: 4794 RBR serial #: Silver

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

Date: 1/9/2019	Station: LD09	Time: 22:23	LOCAL
Net Event # 73	CTD # 72		
Latitude: 48 35.60 N	Longitude: 126 30.00 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 10	Bottom Depth: 1050	
Net Type: Bongo	Tow Type: VNH		
Flow start 85425	Flow end 87485	Flow = frozen	
		Non-flow = pickled	

Notes: formalin side, salmistes sp. 22mm

Date: 2/9/19	Station: LD11	Time: 0900	LOCAL
Net Event # 75	CTD # 76		
Latitude: 48 28.71 N	Longitude: 126 43.04 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 1593	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
87487	89185	Non-flow = pickled	

Notes: Matt picked 30 sp LIMHE from formalin side - and 1 Limhe from frozen side and 4 "disco copepods" from frozen side for UBC

Date: 2/9/19	Station: LD11	Time: 3:11	LOCAL
Net Event # 77	CTD # 76		
Latitude: 48° 28.74 N	Longitude: 126° 43.06 W		
deg min.dec	deg min.dec		
Wire out: 1000	Wire angle: 0	Bottom Depth: 1587	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
89187	95855	Non-flow = pickled	

Notes: 2 disco copepods, frozen side; Atolla var. 29mm, Salinissus 17mm, formalin side; Atolla var. 42mm, Salinissus 36mm, picked: 7 jellies for formalin - need Soliolella (old water): 22, 20, 9mm

Date: 2/9/19	Station: LG09	Time: 7:11	LOCAL
Net Event # 70	CTD # 79		
Latitude: 48° 51.26 N	Longitude: 128 19.39 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5	Bottom Depth: 2057	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
95855	97720	Non-flow = pickled	

Notes: Matt picked: 10 sp LIMHE from pickled side 8 sp 11 from frozen side

* inside labels on frozen + pickled say 0-1000m but should be 0-250m and event should be 75 not 77



Plankton Net Tow Log Sheet

Cruise #: 2019-023 Vessel: J.P. Tully Page: 7

Project(s): La Perouse Contact: Motra

TSK Serial #: A7a4 RBR serial #: Silver

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

Date: 2/9/19	Station: L609	Time: 9:20	LOCAL
Net Event # 80	CTD # 79		
Latitude: 48 51.17 N	Longitude: 127 19.41 W		
deg min.dec	deg min.dec		
Wire out: 1000	Wire angle: 10	Bottom Depth: 2057	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
97722	04085	Non-flow = pickled	

Notes: frozen side: Matt picked 12 sp LIMHE
pickled side: 10 sp LIMHE, Akela mytilus 4mm, Solanostoma 4mm

Date: 2/9/2019	Station: L607	Time: 12:15	LOCAL
Net Event # 82	CTD # 83		
Latitude: 48 59.39 N	Longitude: 127 07.23 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 9	Bottom Depth: 1791	
Net Type: Bongo	Tow Type: VNH		
Flow start 04085	Flow end 05694	Flow = frozen	
		Non-flow = pickled	

Notes: brass side: Bercegnalis bursarius, 2 Clione limacella 7.8mm
Matt picked 1 clione recurva (1cm) from pickled side, and 4 sp LIMHE

Date: 02.09.19	Station: L604	Time: 18:09	LOCAL
Net Event # 87	CTD # 80		
Latitude: 49 11.27 N	Longitude: 126 49.37 W		
deg min.dec	deg min.dec		
Wire out: 140	Wire angle: 0	Bottom Depth: 146	
Net Type: Bongo	Tow Type: VNH		
Flow start 05695	Flow end 06576	Flow = frozen	
		Non-flow = pickled	

Notes: brass side: Bolinopsis infundibulum taken off

Date: 2/9/19	Station: L602	Time: 0308	LOCAL
Net Event # 90	CTD # 83		
Latitude: 49 18.71 N	Longitude: 126 38.52 W		
deg min.dec	deg min.dec		
Wire out: 35	Wire angle: 5	Bottom Depth: 100	
Net Type: Bongo	Tow Type: VNH		
Flow start 06576	Flow end 07287	Flow = frozen	
		Non-flow = pickled	

Notes:

should be 07187
as taken from next
start reading



Plankton Net Tow Log Sheet

Cruise #: 2019-23 Vessel: Tully Page: 8

Project(s): La Perouse Contact: Moira

TSK Serial #: 4784 RBR serial #: Silver

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

Date: 2/9/2019	Station: LG02	Time: 20:15 LOCAL
Net Event # 81	CTD # 89	
Latitude: ^{start} 49 18.77 N	Longitude: 126 30.72 W	
deg min.dec	deg min.dec	
Wire out: 50	Wire angle: 30	Bottom Depth: 101
Net Type: FISH	Tow Type: HNH	
Flow start /	Flow end /	Flow = frozen
		Non-flow = pickled

Notes: end 49°18.36'N 126°33.33'W
towing time 15 min 2030 - NO SAMPLE ALL DOLIOLIDS 3 Copepods in DNA ETOH

Date: 3/9/19	Station: LJ06	Time: 00:56 LOCAL
Net Event # 93	CTD # 94	
Latitude: 49 27.83 N	Longitude: 127 28.49 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 30	Bottom Depth: 1009
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
07189	09726	Non-flow = pickled

Notes: Moir picked 10 SP LIMNE from pickled side - 2 Bore cucumbers (41mm, fragment)
and 2 SP from frozen + 1 from green side (15, 26, 18, 10mm)

Date: 3/9/19	Station: LBP28	Time: 05:38 LOCAL
Net Event # 95	CTD # 96	
Latitude: 49 48.61 N	Longitude: 128 16.75 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 15	Bottom Depth: 2076
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
09720	12015	Non-flow = pickled

Notes: Removed 1 Bore cucumbers (37mm) from green side (Bore sp?)

Date: 3/9/19	Station: LBP28	Time: 07:49 LOCAL
Net Event # 97	CTD # 96	
Latitude: 49 48.70 N	Longitude: 128 16.88 W	
deg min.dec	deg min.dec	
Wire out: 1000	Wire angle: 5	Bottom Depth: 2075
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
12085	19918	Non-flow = pickled

Notes: Dolphins on std side during cast (Pacific white sided?)
surfing in the waves

3 Solmisses (32, 40, 41 mm) from foramin side
1 Solmisses (38mm) from biomass side
Scina picked into etoh from pickled side
green side:
2 Pantedolopau
12, 13mm



Plankton Net Tow Log Sheet

Cruise #: 2019-023 Vessel: TULLY Page: 9

Project(s): LAPEROUSE Contact: MOIRA

TSK Serial #: 4794 RBR serial #: SILVER

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

Date: 3/9/19	Station: LBP07	Time: 9:45	LOCAL
Net Event # 98	CTD # 99		
Latitude: 49 52 48 N	Longitude: 128 11 25 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 2183	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
23862	25853	Non-flow = pickled	

BOTTOM
LAT.
LONG
TIME

Notes: biomass side: L. salinus 36um
Maft picked 4 sp LIMNE from pickled side
1ST SAMPLE DE-DEPENDED
1ST ONE GOT CAUGHT UNDER VESSEL

Date: 03-09-19	Station: LBP5	Time: 14:49	1500 LOCAL
Net Event # 102	CTD # 101		
Latitude: 50 00 08 N	Longitude: 128 00 27 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 8	Bottom Depth: 1286	
Net Type: BONGO	Tow Type: VNH		
Flow start 25854	Flow end 27828	Flow = frozen	
		Non-flow = pickled	

Notes: biomass side: Didiella oldwae 19, 10, 9
Eutima 23
Jovialis side: Didiella oldwae 10
Eutima 23
Jovialis 42
21, 13

Date: 03-09-19	Station: LBP3	Time: 1641	LOCAL
Net Event # 104	CTD # 103		
Latitude: 50 03 28 N	Longitude: 127 55 43 W		
deg min.dec	deg min.dec		
Wire out: 160	Wire angle: NA	Bottom Depth: 168	
Net Type: BONGO	Tow Type: VNH		
Flow start 27830	Flow end 28022	Flow = frozen	
		Non-flow = pickled	

Notes: Jovialis side: Bolinopsis infundibulum
Eutima (25um)

Date: 3/9/19	Station: LBP2	Time: 17:43	LOCAL
Net Event # 106	CTD # 107		
Latitude: 50 04 00 N	Longitude: 127 54 27 W		
deg min.dec	deg min.dec		
Wire out: 30	Wire angle: 0	Bottom Depth: 35	
Net Type: BONGO	Tow Type: VNH	WILL BE DIFFERENT ON LABEL	
Flow start 28021	Flow end 29635	Flow = frozen	
		Non-flow = pickled	

Notes: Boleen whale near ship during Bongo

green: 2 > Cylia 22, 22um
red: 2 > Cylia 22, 22um



Plankton Net Tow Log Sheet

Cruise #: 209-23 Vessel: Tully Page: 10

Project(s): La Perouse Contact: Motta

TSK Serial #: 4734 RBR serial #: Silver

Time offset = +

hrs = UTC (please record local time for samples)

Date: 3 Sept. 2019	Station: ^{Underway from} LBP1	Time: 21:38	LOCAL
Net Event # 103	CTD # 108		
Latitude: 50 28.32 N	Longitude: 128 24.07 W		
deg min.dec	deg min.dec		
Wire out:	Wire angle: NA	Bottom Depth: 185	
Net Type: FISH	Tow Type: HNH		
Flow start NA	Flow end NA	Flow = frozen	
CALCULATE FROM TOW/SPEED/TIME		Non-flow = pickled	
Notes: To Y0 ~ 2.2-2.9 knots 2 Boliopsis infundibulum taken out THERE IS A SAMPLE 500µm END 2153 50 28.79 128 24.65			

Date: 3/9/2019	Station: CPE2	Time: 23:55	LOCAL
Net Event # 111	CTD # 110		
Latitude: 50 42.00 N	Longitude: 128 39.752 W		
deg min.dec 42.99	deg min.dec		
Wire out: 120	Wire angle:	Bottom Depth: 125	
Net Type: Bongo	Tow Type: VNA		
Flow start	Flow end	Flow = frozen	
39636	30683	Non-flow = pickled	
Notes: WILL BE DIFFERENT ON THE LABEL FISH ~ SMELTS OR SAND LANCE green side: Mithracina 79, 68, 49 red side: Mithracina 55, 57, 48, 72			

Date: 4/9/19	Station: LQ03	Time: 0331	LOCAL
Net Event # 115	CTD # NA		
Latitude: 50 39 68 N	Longitude: 129 00 16 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 1345	
Net Type: Bongo	Tow Type: VNA		
Flow start	Flow end	Flow = frozen	
30683	32480	Non-flow = pickled	
Notes:			

Date: 4/9/19	Station: J122	Time: 0548	LOCAL
Net Event # 117	CTD # 116		
Latitude: 50 39 68 N	Longitude: 129 17 56 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 10	Bottom Depth: 922	
Net Type: BONGO	Tow Type: VNA		
Flow start	Flow end	Flow = frozen	
32480	34418	Non-flow = pickled	
Notes:			



Plankton Net Tow Log Sheet

Cruise #: 2019-023 Vessel: TULLY Page: 11

Project(s): LA Perouge Contact: MOIRA

TSK Serial #: 4794 RBR serial #: SILVER

Time offset = +

hrs = UTC (please record local time for samples)

Date: 4/9/19	Station: CS01	Time: 0913	LOCAL
Net Event # 119	CTD # 118		
Latitude: 50 34 04 N	Longitude: 129 41 67 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 15	Bottom Depth: 2109	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
34420	36515	Non-flow = pickled	

Notes: JOURNAL: MITROCOMA 7mm

Date: 4/9/2019	Station: CS00	Time: 1053	LOCAL
Net Event # 120	CTD # 121		
Latitude: 50 27 50 N	Longitude: 129 55 31 W		
deg min.dec	deg min.dec		
Wire out: 220	Wire angle: 30	Bottom Depth: 2175	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
36518	38760	Non-flow = pickled	

Notes: JOURNAL: MITROCOMA 63, 46mm, HOMOPHORA 17mm
BIOWESS: MITROCOMA 65mm, BENNE CUCUMIS 23mm

Date: 04-09-19	Station: CS02	Time: 13:58 0206	LOCAL
Net Event # 124	CTD # 123		
Latitude: 50 41 24 N	Longitude: 129 27 34 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 1903	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
38762	40385	Non-flow = pickled	

Notes: PACIFIC SAURY AT SURFACE
N 50 ALBATROSS 2 4550N
GROUP 22 SICK: 1 MITROCOMA 57mm
JOURNAL: 2 SCHMIDTUS 15, 23mm

Date: 04-09-19	Station: CS03	Time: 21:30	LOCAL
Net Event # 128	CTD # 127		
Latitude: 50 45 62 N	Longitude: 129 20.22 W		
deg min.dec	deg min.dec		
Wire out: 235	Wire angle: 15	Bottom Depth: 240	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
40380	42255	Non-flow = pickled	

Notes:

BOTTOM



Plankton Net Tow Log Sheet

Cruise #: 2019-23 Vessel: *SPRUELL* Page: 12

Project(s): *LAPERROUSE* Contact: *MOIRA*

TSK Serial #: 4794 RBR serial #: *SILVER*

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

Date: 04.09.19	Station: C504	Time: 2259	LOCAL
Net Event # 130	CTD # 129		
Latitude: 50 49.320 N	Longitude: 129 13.31 W		
deg min.dec	deg min.dec		
Wire out: 93	Wire angle: 8	Bottom Depth: 98	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
42255	42825	Non-flow = pickled	

Notes: SMALL FISH + PTERODACTYLS biomass side: 14 Mitracoma taken out
50-70µm Jomali side: 17 Mitracoma taken out

*BOTTOM
LAT
LONG
TIME

Date: 5/9/19	Station: New ODAS	Time: 0248	LOCAL
Net Event # 131	CTD # 132		
Latitude: 50 56 44 N	Longitude: 129 58 75 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle:	Bottom Depth: 2109	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
42830	44750	Non-flow = pickled	

Notes:

Date: 5/9/19	Station: New ODAS	Time: 0503	LOCAL
Net Event # 133	CTD # 132		
Latitude: 50 56 67 N	Longitude: 129 58 80 W		
deg min.dec	deg min.dec		
Wire out: 1000	Wire angle:	Bottom Depth: 2117	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
44750	51810	Non-flow = pickled	

Notes: biomass side: Pandalus sp. 14µm
Atolla vanderhoefi 9µm
Cressida alba 10µm IN ETOH
Jomali side: large Cressida 17µm
Atolla vanderhoefi 11µm
Nectadomas diomedea (22,23µm) on mda side

Matt picked
1 gymnosome
Pneumoderma
atlanticum?
Sub species pacificum?
For DNA from
Frozen side.
5 cm fork

Date: 5 Sept 2019	Station: C53B	Time: 0805	LOCAL
Net Event # 135	CTD # 134		
Latitude: 51 00 03 N	Longitude: 129 26.93 W		
deg min.dec	deg min.dec		
Wire out: 210	Wire angle:	Bottom Depth: 220	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
51812	53470	Non-flow = pickled	

Notes: biomass side: Mitracoma 67µm
Jomali side: Mitracoma 57µm
Aegon 49µm
Leuconostoma 20µm



Plankton Net Tow Log Sheet

Cruise #: 2019-023 Vessel: TULLY Page: 13

Project(s): LAPEROUSE

Contact: MOIRA

TSK Serial #: 4794

RBR serial #: SILVER

Time offset = +

hrs = UTC (please record local time for samples)

Date: 5/9/19	Station: CS05	Time: 11 19	LOCAL
Net Event # 140	CTD # 139		
Latitude: 50 56 07 N	Longitude: 129 00 01 W		
deg min.dec	deg min.dec		
Wire out: 55	Wire angle: 20	Bottom Depth: 62	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
53472	54445	Non-flow = pickled	

Notes:

Date: 05.09.19	Station: CS18	Time: 13 20	LOCAL
Net Event # 142	CTD # 141		
Latitude: 50 53.02 N	Longitude: 128 40 01 W		
deg min.dec	deg min.dec		
Wire out: 65	Wire angle: 16°	Bottom Depth: 72	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
54445	54950	Non-flow = pickled	

ENTERED Notes:

1 OCT 00 IN EYOH

7 mussels taken out from bottom side
5 - - - - -

4 Cyba taken out from bottom side

Date: 05.09.19	Station: CS06	Time: 15 22	LOCAL
Net Event # 144	CTD # 143		
Latitude: 50 59.87 N	Longitude: 128 51.74 W		
deg min.dec	deg min.dec		
Wire out: 60	Wire angle: 20	Bottom Depth: 65	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
54950	55375	Non-flow = pickled	55983

Notes:

Date: 05.09.19	Station: CS07	Time: 16 14	LOCAL
Net Event # 146	CTD # 145		
Latitude: 51 04 47.8 N	Longitude: 128 44 07.4 W		
deg min.dec	deg min.dec		
Wire out: 6070	Wire angle: 40 38	Bottom Depth: 65	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
55375	55983	Non-flow = pickled	

Notes:

ADDED 10M DUE TO WIRE ANGLE 2 Boliopsis (1 red 1 green) taken out
3 Stomatocys aha (Jomali side) 16, 16, 11 mm



Plankton Net Tow Log Sheet

Cruise #: 2019-23 Vessel: JP 2004 Page: 14/

Project(s): LAPEROUSE Contact: MOIRA

TSK Serial #: 4794 RBR serial #: Silver

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

Date: 05.09.19	Station: C508	Time: 17:24	LOCAL
Net Event # 148	CTD # 147		
Latitude: 51 deg	08 47 min.dec N	Longitude: 128 36 05 W	
Wire out: 140	Wire angle: 15	Bottom Depth: 145	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
55985	56907	Non-flow = pickled	
Notes: biomass: Cytis 13 Proboscidea 4 3rd fragment Joruaia Cytis 16 5.5			

Date: 5 Sep 2019	Station: C509	Time: 18:23	LOCAL
Net Event # 149	CTD # 150		
Latitude: 51 deg	12 45 min.dec N	Longitude: 128 28 14 W	
Wire out: 190	Wire angle: 30	Bottom Depth: 196	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
56907	58212	Non-flow = pickled	
Notes: Joruaia Side: Proboscidea 3um Cytis 15um			

Date: 5/9/2019	Station: C510	Time: 20:08	LOCAL
Net Event # 152	CTD # 151		
Latitude: 51 deg	16.51 min.dec N	Longitude: 128 20.27 W	
Wire out: 78	Wire angle: 11	Bottom Depth: 83	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
58212	58732	Non-flow = pickled	
Notes: green: 4 Mitracoma, 3 Proboscidea 7, 6, 3um, 1 Aequorea red: 1 Solaster 44um			

Date: 6/9/19	Station: 554	Time: 0803	LOCAL
Net Event # 157	CTD # 156		
Latitude: 51 20 04 deg	min.dec N	Longitude: 129 00 06 W	
Wire out: 230	Wire angle: 20	Bottom Depth: 240	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
58732	60222	Non-flow = pickled	
Notes: 5 large (53) Mitracoma cellulosaria removed from Formalin side			



Plankton Net Tow Log Sheet

Cruise #: 2013-23 Vessel: Tully Page: 15
 Project(s): La Perouse Contact: Roda
 TSK Serial #: 4794 RBR serial #: Silver

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

Date: 6/9/19	Station: NL05	Time: 10:41	LOCAL
Net Event # 159	CTD # 158		
Latitude: 51 40 49 N	Longitude: 128 54 38 W		
deg min.dec	deg min.dec		
Wire out: 33	Wire angle: 30°	Bottom Depth: 44	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
60222	60460	Non-flow = pickled	

Notes:

Date: 06-04-19	Station: SS 5	Time: 1333	LOCAL
Net Event # 162	CTD # 162		
Latitude: 51 28.04 N	Longitude: 128 30.03 W		
deg min.dec	deg min.dec		
Wire out: 195	Wire angle: 5	Bottom Depth: 199	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
60460	61622	Non-flow = pickled	

Notes:

Biomass side: 1 Bolinopsis
 Jaws side: 1 (Gyrodactylus) 1 Proboscicactyla 3mm

2 humpback whales
 Feeding close to ship

Date: 06-09-19	Station: SS 6	Time: 16:37	LOCAL
Net Event # 164	CTD # 163		
Latitude: 51 20 03 N	Longitude: 128 00 17 W		
deg min.dec	deg min.dec		
Wire out: 175	Wire angle: 9	Bottom Depth: 180	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
61622	62711	Non-flow = pickled	

Notes:

1 Clitella (52) + 1 Eutonina (52) removed from formalin side
 Biomass side: 1 Proboscicactyla 3mm
 1 Bolinopsis
 1 Clitella 18mm

Date: 06-09-19	Station: SS 7	Time: 18:17 22	LOCAL
Net Event # 166	CTD # 165		
Latitude: 51 24 61 N	Longitude: 127 47 61 W		
deg min.dec	deg min.dec		
Wire out: 120	Wire angle: 24	Bottom Depth: 124	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
62711	63515	Non-flow = pickled	

Notes:

Jaws side: 1 Proboscicactyla 3mm



Plankton Net Tow Log Sheet

Cruise #: 2019-23 Vessel: Tully Page: 16

Project(s): La Perouse Contact: Morris

TSK Serial #: 4794 RBR serial #: Silver

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

Date: 6/9/2019	Station: CPE1	Time: 21:58	LOCAL
Net Event # 168	CTD # 167		
Latitude: 51 00 08 N	Longitude: 127 50 10 W		
deg min.dec	deg min.dec		
Wire out: 135	Wire angle: 18	Bottom Depth: 141	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
63518	64342	Non-flow = pickled	

Notes: biomass side: 1 Proboscidea 4mm

Date: 7/9/19	Station: JS01	Time: 0525	LOCAL
Net Event # 169	CTD # 170		
Latitude: 50 29 89 N	Longitude: 126 29 49 W		
deg min.dec	deg min.dec		
Wire out: 390	Wire angle: 0	Bottom Depth: 400	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
64340	66732	Non-flow = pickled	

Notes:

Date: 7/9/19	Station: 16	Time: 13:34	LOCAL
Net Event # 172	CTD # 171		
Latitude: 49 57 68 N	Longitude: 125 08 77 W		
deg min.dec	deg min.dec		
Wire out: 150	Wire angle: 10	Bottom Depth: 157	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
66732	67630	Non-flow = pickled	

Notes: formation side: 1 Clione 12mm

Matt picked: 14 sp, 6 S1 LIMNE from pickled side
3 sp LIMNE from frozen side

Date: 7/9/2019	Station: 14	Time: 15:42	LOCAL
Net Event # 175	CTD # 174		
Latitude: 49 53 01 N	Longitude: 124 53 53 W		
deg min.dec	deg min.dec		
Wire out: 310	Wire angle: 10	Bottom Depth: 315	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
67630	69633	Non-flow = pickled	

Notes:

biomass side

formation side

6 Clione 11, 10, 12, 15, 9, 8mm
15 Aglautha 7, 8, 10, 9, 9, 9, 10, 7, 7, 9, 9, 7, 9mm
1 Beroe abyssicola 35mm
1 Horniphora sp. 23mm
5 Clione 12, 7, 8, 15, 14mm

Matt picked: 4 S1, 20 sp LIMNE from pickled side
3 S1, 8 sp LIMNE from frozen side



Plankton Net Tow Log Sheet

Cruise #: 2019-23 Vessel: Tully Page: 17

Project(s): LaPerouse Contact: Mollie

TSK Serial #: 4794 RBR serial #: Silver

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

Date: 7/9/2019	Station: SOGN	Time: 19:21	LOCAL
Net Event # 177	CTD # 176		
Latitude: 49 49.94 N	Longitude: 124 51.83 W		
deg min.dec	deg min.dec		
Wire out: 300	Wire angle: 0	Bottom Depth: 336	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
69693	71690	Non-flow = pickled	

Notes: 2 Serial abys. Journal in biomass
22 Clione 12, 14, 16, 11, 15, 13, 18, 15 29, 17, 15, 15, 12, 14, 20, 10, 12, 14, 15
11 Aplantha 9, 9, 10, 10 3, 8, 9, 10, 9, 10, 10

Date: 7/9/2019	Station: 11	Time: 21:18	LOCAL
Net Event # 179	CTD # 178		
Latitude: 49 42.44 N	Longitude: 124 43.44 W		
deg min.dec	deg min.dec		
Wire out: 295	Wire angle: 0	Bottom Depth: 301	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
71690	73480	Non-flow = pickled	

Notes: 18. abys. Journal in biomass
5 Clione 14, 14, 12 19, 15
11 Aplantha 11, 11

Matt picked
2 SØ, 2 S1 LIMHE
frozen side
+
4 S1, 18 SØ LIM
pickled side

Date: 7/9/2019	Station: Chaud 12	Time: 22:28	LOCAL
Net Event # 181	CTD # 180		
Latitude: 49 43.55 N	Longitude: 124 40.79 W		
deg min.dec	deg min.dec		
Wire out: 363	Wire angle: 28	Bottom Depth: 368	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
73480	75647	Non-flow = pickled	

Notes: No sample: bottom contact due to drift; re-done!

Date: 7/9/2019	Station: Chaud 12	Time: 23:02	LOCAL
Net Event # 182	CTD # 180		
Latitude: 49 43.48 N	Longitude: 124 40.77 W		
deg min.dec	deg min.dec		
Wire out: 345	Wire angle: 13	Bottom Depth: 354	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
75647	77838	Non-flow = pickled	

Notes: Journal in biomass
1 B. abys. 14
7 Clione 22, 14
2 Aplantha 10, 11
16, 17, 15, 13, 15

Plankton Net Tow Log Sheet

Cruise #: 2019-023 **Vessel:** TULLY **Page:** 18

Project(s): La Perouse **Contact:** MOIRA

TSK Serial #: 4794 RBR serial #: SILVER

Time offset = +

hrs = UTC (please record local time for samples)

Date: 8/9/19	Station: 22	Time: 02:32	LOCAL
Net Event # 183	CTD # 184		
Latitude: 49 40.24	N	Longitude: 124 16.50	W
deg	min.dec	deg	min.dec
Wire out: 344	Wire angle: 0	Bottom Depth: 354	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
77838	79935	Non-flow = pickled	

Notes: Matt picked: 4 S1 LINHE from frozen side
2 S1 " " 20 S8 from pickled side

Date: 8/9/19	Station: 24	Time: 0501	LOCAL
Net Event # 185	CTD # 186		
Latitude: 49 30 28 N	Longitude: 124 05 99 W		
deg min.dec	deg min.dec		
Wire out: 4 14	Wire angle: 0	Bottom Depth: 420	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
79935	82459	Non-flow = pickled	

Notes: Matt picked 5 S1 LIMBE from pickled side
+ 1 S1 " " frozen side.

Date: 8/9/19	Station: CPF2	Time: 0920	LOCAL
Net Event # 187	CTD # 189		
Latitude: 49 27 99	N	Longitude: 124 29 92	W
deg	min.dec	deg	min.dec
Wire out: 313	Wire angle: 0	Bottom Depth: 323	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
82460	84380	Non-flow = pickled	

Notes: Matt picked 2 S1 LIMBE from frozen side
6 S1 ~~limbe~~, 18 S0 LIMBE from pickled side

Date: 08-09-19	Station: CPF1	Time: 12:27	LOCAL
Net Event # 191	CTD # 190		
Latitude: 49 22 04 N	Longitude: 124 05 08 W		
deg min.dec	deg min.dec		
Wire out: 240	Wire angle: 0	Bottom Depth: 245	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
84380	85845	Non-flow = pickled	

Notes: biomass side 1/9m. Closure 1x

formalni sede: 20,14 km Clione 2x

Matt picked 3 s1 LIMHE from frozen side

+ 8 SL, 16 sp LINE from pickled side



Plankton Net Tow Log Sheet

Cruise #: 2013-23 Vessel: John P. Tully Page: 19

Project(s): La Perouse Contact: Kobra

TSK Serial #: 4734 RBR serial #: 51625

Time offset = +

hrs = UTC (please record local time for samples)

Date: 8/9/13 Station: 28 Time: 14:38 LOCAL

Net Event # 192 CTD # 192

Latitude: 49 24 10 N Longitude: 123 45 43 W
deg min.dec deg min.dec

Wire out: 130 Wire angle: 0 Bottom Depth: 135

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

85845 86652 Non-flow = pickled

Notes: frozen side: 1 Agnatha 25um 5 Aglantha 9, 7, 10, 9, 3um Jamarai sides: 5 Aglantha 8, 10, 10, 11, 8um

Date: 8/9/13 Station: G501 Time: 17:18 LOCAL

Net Event # 196 CTD # 195

Latitude: 49 15 04 N Longitude: 123 44 34 W
deg min.dec deg min.dec

Wire out: 395 Wire angle: 10 Bottom Depth: 402

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

86652 89075 Non-flow = pickled

Notes: Jamarai sides: 1 B. abyss. 16um Math picked 5 S1 LIMHE from frozen side
1 Agnatha 7um + 7 S1, 16 SØ LIMHE from pickled side.

Date: 8/9/13 Station: 38 Time: 19:40 LOCAL

Net Event # 198 CTD # 197

Latitude: 49 12 03 N Longitude: 123 26 43 W
deg min.dec deg min.dec

Wire out: 300 Wire angle: 0 Bottom Depth: 307

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

89095 90998 Non-flow = pickled

Notes: Net B: frozen: B. abyss. 22um
Jamarai B. abyss. 53um

Date: 8/9/13 Station: 38 Time: 20:03 LOCAL

Net Event # 199 CTD # 197

Latitude: 49 12 02 N Longitude: 123 26 42 W
deg min.dec deg min.dec

Wire out: 300 Wire angle: 0 Bottom Depth: 307

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

90998 92712 Non-flow = pickled

Notes: Net B: red
Net A: green 1 B. abyssicola 53um
5 Clione 12, 18, 18, 18, 17um



Plankton Net Tow Log Sheet

Cruise #: 2019-23 Vessel: Tully Page: 20

Project(s): La Perouse Contact: Moira

TSK Serial #: 4784 RBR serial #: Silver

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

Date: 8/13/19	Station: 41	Time: 21:51	LOCAL
Net Event # 201	CTD # 200		
Latitude: 49 deg	03 44 min.dec N	Longitude: 123 deg	21 86 min.dec W
Wire out: 215	Wire angle: 5	Bottom Depth: 221	
Net Type: Bongo	Tow Type: VNH		
Flow start 92712	Flow end 94035	Flow = frozen	
		Non-flow = pickled	

Notes: biomass side: 1 Aequorea 26um
1 Aglantha 9um
1 Aequorea 5um

Date: 8/13/19	Station: 41	Time: 22:07	LOCAL
Net Event # 202	CTD # 200		
Latitude: 49 deg	03 48 min.dec N	Longitude: 123 deg	21 90 min.dec W
Wire out: 215	Wire angle: 5	Bottom Depth: 221	
Net Type: Bongo	Tow Type: VNH		
Flow start 94035	Flow end 95363	Flow = frozen	
		Non-flow = pickled	

Notes: NET A: gray → 1 B. abyssicola 19um, 1 Aglantha 10um
NET B: red

Date: 8/13/19	Station: 42	Time: 23:31	LOCAL
Net Event # 204	CTD # 203		
Latitude: 49 deg	01 76 min.dec N	Longitude: 123 deg	26 03 min.dec W
Wire out: 310	Wire angle: 0	Bottom Depth: 318	
Net Type: Bongo	Tow Type: VNH		
Flow start 95363	Flow end 97255	Flow = frozen	
		Non-flow = pickled	

Notes: formalin side: 1 Aequorea 5um
2 Aglantha 8.9um

Date: 8/13/19	Station: 42	Time: 23:53	LOCAL
Net Event # 205	CTD # 203		
Latitude: 49 deg	01 79 min.dec N	Longitude: 123 deg	25 96 min.dec W
Wire out: 310	Wire angle: 5	Bottom Depth: 318	
Net Type: Bongo	Tow Type: VNH		
Flow start 97255	Flow end 99130	Flow = frozen	
		Non-flow = pickled	

Notes: Net A - green: 2 Aequorea 8.8um, 1 B. abyssicola 6um
Net B - red: -