



Plankton Net Tow Log Sheet

Cruise #: 2020069 Vessel: Tully Page: 1

Project(s): mooring

Contact: Wright / Fraser

TSK Serial #: 7132

RBR serial #: 39081

Time offset = + 8

hrs = UTC (please record local time for samples)

Date: 18/07/20	Station: CPE1	Time: 2120 LOCAL
Net Event # 21	CTD # 22	
Latitude: 51 00.054 N	Longitude: 127 49.99 W	
deg min.dec	deg min.dec	
Wire out: 130	Wire angle: 0-10	Bottom Depth: 142
Net Type: Bongo	Tow Type: V.H.	
Flow start	Flow end	Flow = frozen ✓
84642	85760	Non-flow = pickled ✓

Notes: the camera angle of flowmeter is a bit off but first digit = 8
lots of red filamentous

Date: 20 JUL 20	Station: C107	Time: 1608 LOCAL
Net Event # 41	CTD # 40	
Latitude: 50 56.2759 N	Longitude: 129 48.1554 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 1560
Net Type: BONGU	Tow Type: VNH	
Flow start	Flow end	Flow = frozen ✓
85762	87578	Non-flow = pickled ✓

Notes:

Date: 22/07/20	Station: M501	Time: 1348 LOCAL
Net Event # 58	CTD # 59	
Latitude: 52 07.996 N	Longitude: 128 50.036 W	
deg min.dec	deg min.dec	
Wire out: 200	Wire angle:	Bottom Depth: 214
Net Type: Bongo	Tow Type: V.H.	
Flow start	Flow end	Flow = frozen ✓
87578	89039	Non-flow = pickled ✓

Notes: primarily krill sp., not a lot of biomass

Date: 22 JUL 2020	Station: M504	Time: 160906 LOCAL
Net Event # 62	CTD # 63	
Latitude: 51 41.5577 N	Longitude: 129 57.543 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 353
Net Type: VNH	Tow Type: BONGU	
Flow start	Flow end	Flow = frozen ✓
89045	91071	Non-flow = pickled ✓

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2020-069 Vessel:

Page: 2

Project(s):

Contact:

TSK Serial #: 7132

RBR serial #:

Time offset = +

hrs = UTC (please record local time for samples)

Date: 22 July 2020	Station: M508B	Time: 1627	LOCAL
Net Event # 67	CTD # 68		
Latitude: 51 24.480 N	Longitude: 130 42.705 W		
51 24.480 min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 2002	
Net Type: Bongo	Tow Type: VNH		
Flow start 18240	Flow end 20360	Flow = frozen ✓	
		Non-flow = pickled ✓	

Notes:

Date: 22 July 2020	Station: M511B	Time: 2035	LOCAL
Net Event # 69	CTD # 70		
Latitude: 51 41.887 N	Longitude: 130 33.575 W		
deg min.dec	deg min.dec		
Wire out: 290	Wire angle: 30	Bottom Depth: 1000	
Net Type: Bongo	Tow Type: VNH		
Flow start 20358	Flow end 22465	Flow = frozen ✓	
		Non-flow = pickled ✓	

Notes: Pickled - 2 x 1.5" Microtoma left in because uncertain they are Microtoma

Date: 23/07/20	Station: M705	Time: 0717	LOCAL
Net Event # 76	CTD # 77		
Latitude: 52 40.184 N	Longitude: 129 59.257 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 263	
Net Type: Bongo	Tow Type: VNH		
Flow start 22465	Flow end 24215	Flow = frozen ✓	
		Non-flow = pickled ✓	

Notes:

Date: 23 July 2020	Station: SRN1	Time: 1316	LOCAL
Net Event # 82	CTD # 83		
Latitude: 53 6.699 N	Longitude: 130 23.419 W		
deg min.dec	deg min.dec		
Wire out: 192	Wire angle: 10	Bottom Depth: 202	
Net Type: Bongo	Tow Type: VNH		
Flow start 24215	Flow end 25610	Flow = frozen ✓	
		Non-flow = pickled ✓	

Notes: Brown filamentous, comb jellies



Plankton Net Tow Log Sheet

Cruise #: 2020069 Vessel: Tully Page: 3

Project(s): MOPAC Contact:

TSK Serial #: 7132 RBR serial #:

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

Date: 23/07/20	Station: JPS 7	Time: 2033	LOCAL
Net Event # 88	CTD # 89		
Latitude: 52 33.841 N	Longitude: 131 05.699 W		
deg min.dec	deg min.dec		
Wire out: 120	Wire angle: <5	Bottom Depth: 131	
Net Type: Bongo	Tow Type: V H		
Flow start	Flow end	Flow = frozen	✓
52485	53305	Non-flow = pickled	✓

Notes: filamentous browns, comb jellys - couldn't see much else

Date: 23/07/20	Station: JPS 4	Time: 2356	LOCAL
Net Event # 92	CTD # 93		
Latitude: 52 31.089 N	Longitude: 131 23.577 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 280 360	
Net Type: Bongo	Tow Type: V H		
Flow start	Flow end	Flow = frozen	✓
53302	54862	Non-flow = pickled	✓

Notes: filamentous algae (sorry) → krill

Date: 24/07/20	Station: JPS 1	Time: 0310	LOCAL
Net Event # 96	CTD # 97		
Latitude: 52 36.266 N	Longitude: 131 40.096 W		
deg min.dec	deg min.dec		
Wire out: 133	Wire angle: 0	Bottom Depth: 143	
Net Type: bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	✓
54862	55689	Non-flow = pickled	✓

Notes: - clean compared to other JPS stations

Date: 24 July 2020	Station: JPN 1	Time: 0430	LOCAL
Net Event # 98	CTD # 99		
Latitude: 52 39.003 N	Longitude: 131 40.458 W		
deg min.dec	deg min.dec		
Wire out: 65	Wire angle:	Bottom Depth: 74	
Net Type: bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	✓
		Non-flow = pickled	✓

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2020069 Vessel:

Page: 4

Project(s):

Contact:

TSK Serial #: 732

RBR serial #:

Time offset = +

hrs = UTC (please record local time for samples)

Date: 24/07/20 Station: JPN2 Time: 0536 LOCAL

Net Event # 100 CTD # 101

Latitude: 52 42.023 N Longitude: 131 44.761 W
deg min.dec deg min.dec

Wire out: 118 Wire angle: 30+ Bottom Depth: 128

Net Type: bnyo Tow Type: VNH

Flow start Flow end Flow = frozen ✓

56199 56889 Non-flow = pickled ✓

Notes: there is some algae on it but something is making it very sticky!! lots of current

Date: 24/07/20 Station: JPN3 Time: 0704 LOCAL

Net Event # 102 CTD # 103

Latitude: 52 44.334 N Longitude: 131 47.548 W
deg min.dec deg min.dec

Wire out: 120 Wire angle: 0 Bottom Depth: 135

Net Type: Bnyo Tow Type: VNH

Flow start Flow end Flow = frozen ✓

56889 57658 Non-flow = pickled ✓

Notes:

Date: 24-JUL-20 Station: JPC1 Time: 0949 LOCAL

Net Event # 106 CTD # 105

Latitude: 52 44.309 N Longitude: 131 42.370 W
deg min.dec deg min.dec

Wire out: 211 Wire angle: 0 Bottom Depth: 222

Net Type: Bnyo Tow Type: VNH

Flow start Flow end Flow = frozen ✓

57658 58035 Non-flow = pickled ✓

Notes:

Date: 26-JUL-20 Station: CARTWRIGHT Time: 0746 LOCAL

Net Event # 131 CTD # 133

Latitude: 53 08.041 N Longitude: 132 39.544 W
deg min.dec deg min.dec

Wire out: 170 Wire angle: 15 Bottom Depth: 1 0180

Net Type: Bnyo Tow Type: VNH

Flow start Flow end Flow = frozen ✓

59063 60855 Non-flow = pickled ✓

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2020 081 Vessel: _____

Page: 5

Project(s): _____

Contact: _____

TSK Serial #: 7132

RBR serial #: _____

Time offset = +

hrs = UTC (please record local time for samples)

Date: <u>27/07/20</u>	Station: <u>Q19</u>	Time: <u>02 53</u>	LOCAL
Net Event # <u>143</u>	CTD # <u>144</u>		
Latitude: <u>53</u> <u>57.897</u> N	Longitude: <u>133</u> <u>29.550</u> W		
deg min.dec	deg min.dec		
Wire out: <u>210</u>	Wire angle: _____	Bottom Depth: <u>222</u>	
Net Type: <u>Bongo</u>	Tow Type: <u>VH</u>		
Flow start _____	Flow end _____	Flow = frozen ☒	
<u>06248</u>		Non-flow = pickled ☒	
Notes: <u>mostly krill and amphipods</u>			

Date: <u>27-JUL/20</u>	Station: <u>MASON 53</u>	Time: <u>1145</u>	LOCAL
Net Event # <u>150</u>	CTD # <u>149</u>		
Latitude: <u>54</u> <u>29.379</u> N	Longitude: <u>132</u> <u>27.231</u> W		
deg min.dec	deg min.dec		
Wire out: <u>250</u>	Wire angle: <u>7</u>	Bottom Depth: <u>365</u>	
Net Type: <u>Bongo</u>	Tow Type: <u>VNH</u>		
Flow start _____	Flow end <u>70640</u>	Flow = frozen ☒	
<u>69000</u>		Non-flow = pickled ☒	
Notes: _____			

Date: <u>27/07/20</u>	Station: <u>HECS 8</u>	Time: <u>1158</u>	LOCAL
Net Event # <u>157</u>	CTD # <u>158</u>		
Latitude: <u>54</u> <u>23.82</u> N	Longitude: <u>131</u> <u>05.575</u> W		
deg min.dec <u>193</u>	deg min.dec <u>645</u>		
Wire out: <u>118</u> <u>108</u>	Wire angle: _____	Bottom Depth: <u>118</u>	
Net Type: <u>Bongo</u>	Tow Type: <u>VH</u>		
Flow start _____	Flow end _____	Flow = frozen ☒	
<u>69640</u>	<u>70358</u>	Non-flow = pickled ☒	
Notes: <u>green filamentous</u>			

Date: <u>31-JUL/20</u>	Station: <u>HECS 4</u>	Time: <u>13:29</u>	LOCAL
Net Event # <u>224</u>	CTD # <u>225</u>		
Latitude: <u>53</u> <u>48.351</u> N	Longitude: <u>130</u> <u>49.431</u> W		
deg min.dec	deg min.dec		
Wire out: <u>91</u>	Wire angle: <u>0</u>	Bottom Depth: <u>101</u>	
Net Type: <u>Bong</u>	Tow Type: <u>VNH</u>		
Flow start _____	Flow end _____	Flow = frozen ☒	
<u>70398</u>	<u>71065</u>	Non-flow = pickled ☒	
Notes: _____			



Plankton Net Tow Log Sheet

Cruise #: 2020069 Vessel:

Page: 6

Project(s):

Contact:

TSK Serial #: 7132

RBR serial #:

Time offset = +

hrs = UTC (please record local time for samples)

Date: 01 AUG 12	Station: DOUG 45	Time: 1740	LOCAL
Net Event # 256	CTD # 255		
Latitude: 53 22.212 N	Longitude: 129 11.751 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 457	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
71146	72688	Non-flow = pickled	

Notes:

Date: Aug 4/20	Station: HEC1	Time: 0556	LOCAL
Net Event # 336	CTD # 337		
Latitude: 52 49.135 N	Longitude: 129 51.104 W		
deg min.dec	deg min.dec		
Wire out: 160	Wire angle:	Bottom Depth: 164-178	
Net Type: bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
72688	74075	Non-flow = pickled	

Notes:

clean sample - mostly kelp.

Date: AUG 4/20	Station: GNO 2	Time: 1131	LOCAL
Net Event # 338	CTD # 339		
Latitude: 52 10.176 N	Longitude: 129 37.486 W		
deg min.dec	deg min.dec		
Wire out: 208	Wire angle: 0	Bottom Depth: 218	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
74075	75410	Non-flow = pickled	

Notes:

Date: Aug 4/20	Station: G102	Time: 1159	LOCAL
Net Event # 357	CTD # 358		
Latitude: 51 39.286 N	Longitude: 128 40.589 W		
deg min.dec	deg min.dec		
Wire out: 27	Wire angle: 50+	Bottom Depth: 37	
Net Type: Bms0	Tow Type: V H		
Flow start	Flow end	Flow = frozen	
75478	75705	Non-flow = pickled	

Notes:

LP
CC

* lost biomass
slide-bucket
spilled

58



Plankton Net Tow Log Sheet

Cruise #: 2020069 Vessel:

Page: 7

Project(s):

Contact:

TSK Serial #: 7032

RBR serial #:

Time offset = +

hrs = UTC (please record local time for samples)

Date: 05-AUG-20	Station: CPE 1	Time: 16 13	LOCAL
Net Event # 362	CTD # 363		
Latitude: 51 0.003 N	Longitude: 127 50.150 W		
deg min.dec	deg min.dec		
Wire out: 1387	Wire angle: 12	Bottom Depth: 147	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
75768	76812	Non-flow = pickled	

Notes:

Date: 8 Aug 20	Station: QU-39	Time: 06	LOCAL
Net Event # 383	CTD # 384		
Latitude: 50 01.870 N	Longitude: 125 05.581 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 269	
Net Type: bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
77498	78948	Non-flow = pickled	

Notes:

lots of small gooseberries + 1 larger type
with bright red umbles

Date: 8 AUG 20	Station: 14	Time: 08	LOCAL
Net Event # 385	CTD # 386		
Latitude: 49 53.115 N	Longitude: 124 59.67 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: -	Bottom Depth: 313	
Net Type: Bony	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
79048	80830	Non-flow = pickled	

Notes:

Date: 08 AUG 20	Station: 9	Time: 1530	LOCAL
Net Event # 392	CTD # 393		
Latitude: 49 43.504 N	Longitude: 124 40.950 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: -	Bottom Depth: 350	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
80830	82423	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2020 69 Vessel: Tully Page:

Project(s):

Contact:

TSK Serial #:

RBR serial #:

Time offset = +

hrs = UTC (please record local time for samples)

Date: 08 Aug 20	Station: CPF2	Time: 20:35	LOCAL
Net Event # 397	CTD # -		
Latitude: 49 28.195 N	Longitude: 124 29.819 W		
deg min.dec	deg min.dec		
Wire out: 310	Wire angle:	Bottom Depth: 319	
Net Type: bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	✓
		Non-flow = pickled	✓

Notes: a couple of those bright red comb jellies

Date: 08/Aug/20	Station: 24	Time: 0043	LOCAL
Net Event # 400	CTD # 401		
Latitude: 49 30.193 N	Longitude: 124 05.880 W		
deg min.dec	deg min.dec		
Wire out: 410	Wire angle: 410	Bottom Depth: 423	
Net Type: Bongo	Tow Type: V H		
Flow start	Flow end	Flow = frozen	✓
84501	87030	Non-flow = pickled	✓

Notes: Bright red jellies gone, kull.

Date: 9 Aug 20	Station: CPF1	Time: 0225	LOCAL
Net Event # 402	CTD # 403		
Latitude: 49 21.905 N	Longitude: 124 04.797 W		
deg min.dec	deg min.dec		
Wire out: 230	Wire angle:	Bottom Depth: 240	
Net Type: bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
87031	88498	Non-flow = pickled	

Notes: Amphipods, kull.

Date: 09/08/20	Station: GEO1	Time: 537	LOCAL
Net Event # 406	CTD # 407		
Latitude: 49 14.995 N	Longitude: 123 44.872 W		
deg min.dec	deg min.dec		
Wire out: 3010	Wire angle: 6	Bottom Depth: 398	
Net Type: Bongo	Tow Type: V H		
Flow start	Flow end	Flow = frozen	✓
88498	96042	Non-flow = pickled	✓

Notes: