



Plankton Net Tow Log Sheet

Cruise #: 2017-01 Vessel: Tully Page: 1
Project(s): Line P Contact: Yelland
TSK Serial #: 79110 RBR serial #: 71323

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

Date: 7 Feb 2017	Station: P4	Time: 1121	LOCAL
Net Event # 19	CTD # 18	1921	
Latitude: 48° 38' 88.90" N	Longitude: 126° 40' 13.25" W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5	Bottom Depth: 1330	
Net Type: Bongo	Tow Type: VNH		
Flow start 71712	Flow end 73498	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 7 Feb 2017	Station: P4	Time: 1226	LOCAL
Net Event # 20	CTD # 18	2026	
Latitude: 48° 38' 9.92" N	Longitude: 126° 40' 08.43" W		
deg min.dec	deg min.dec		
Wire out: 1200	Wire angle: 5	Bottom Depth: 1324	
Net Type: Bongo	Tow Type: VNH		
Flow start 74500	Flow end 82081	Flow = frozen	
		Non-flow = pickled	

Notes:

UVIC took 6 small krill

Date: 7 Feb 2017	Station: P4	Time: 1712	LOCAL
Net Event # 24	CTD # 23		
Latitude: 48° 38' 96.72" N	Longitude: 126° 40' 98.56" W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 8	Bottom Depth: 1324	
Net Type: Evgony	Tow Type: VNH		
Flow start 67362	Flow end 69268	Flow = frozen	
		Non-flow = pickled	

Notes:

Evgony Net TSK 7133

Date: 9 Feb 17	Station: P20	Time: 1718	LOCAL
Net Event # 34	CTD # 33		
Latitude: 49° 34' 04.52" N	Longitude: 38° 40' 00.24" W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 15	Bottom Depth: 3966	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
28965	31411	Non-flow = pickled	

Notes:

UVIC took 6 small krill



Plankton Net Tow Log Sheet

Cruise #: 2017-01 Vessel: Tully Page: 2
Project(s): Line P Contact: Yelland
TSK Serial #: 79110 RBR serial #: 7132
Time offset = + hrs = UTC (please record local time for samples)

Date: 9 Feb 17	Station: P20	Time: 17.58	LOCAL
Net Event # 35	CTD # 33		
Latitude: 49 34 06.00 N	Longitude: 138 40 00.48 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 10	Bottom Depth: 3966	
Net Type: Evgeny	Tow Type:		
Flow start 69267	Flow end 71730	Flow = frozen	
		Non-flow = pickled	
Notes: Evgeny net TSK 7133			

Date: 12 Feb 17	Station: P26	Time: 1206	LOCAL
Net Event # 45	CTD # 44	0806	UTC
Latitude: 50 00 10.95 N	Longitude: 144 59 90.70 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 4252	
Net Type: Bongo	Tow Type: VNH		
Flow start 33232	Flow end 35822	Flow = frozen	
		Non-flow = pickled	
Notes: Uvic took 5 krill			

Date: 12 Feb 17	Station: P26	Time: 1256	LOCAL
Net Event # 46	CTD # 44	0856	UTC
Latitude: 50 00 10.75 N	Longitude: 144 59 91.10 W		
deg min.dec	deg min.dec		
Wire out: 1200	Wire angle: 0	Bottom Depth: 4246	
Net Type: Bongo	Tow Type: VNH		
Flow start 35822	Flow end 44349	Flow = frozen	
		Non-flow = pickled	
Notes: Flow meter side twisted closed over net mouth			

Date: 2017/02/12	Station: P26	Time: 12:45	LOCAL
Net Event # 49	CTD # 48	10:45	UTC
Latitude: 50 00 06 N	Longitude: 144 59 96 W		
deg min.dec	deg min.dec		
Wire out: 1200	Wire angle:	Bottom Depth: 4255	
Net Type: Bongo	Tow Type: VNH		
Flow start 44360	Flow end 52923	Flow = frozen	
		Non-flow = pickled	
Notes: redo - due to previous net twisting repeat of event #46 - again net flowmeter side twisted and closed over mouth, small rip in net.			



Plankton Net Tow Log Sheet

Cruise #: 2017-01 Vessel: Tully Page: 3

Project(s): Line P Contact: Holland

TSK Serial #: 4798 RBR serial #: 79108

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

Date: 12/2/17	Station: P26	Time: 9.50	LOCAL
Net Event # 53	CTD # 51		
Latitude: 50.00 014 N		Longitude: 145.00 014 W	
deg	min.dec	deg	min.dec
Wire out: 250	Wire angle: 0	Bottom Depth: 4250	
Net Type: EV	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
73962	76328	Non-flow = pickled	

Notes:

Evgeny Net

TSK 7133

Switch to other bongo
15 Feb 17
TSK: 4798
RBR: 79108

Date: 15/2/17	Station: P16	Time: 12.14	LOCAL
Net Event # 65	CTD # 64		
Latitude: 49.16 9909 N		Longitude: 134.40 1740 W	
deg	min.dec	deg	min.dec
Wire out: 250	Wire angle: 0	Bottom Depth: 3635	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
36500	38834	Non-flow = pickled	

Notes:

TSK: 4798 Start

RBR start: 79108

Date: 2017/02/15	Station: P16	Time: 1320	LOCAL
Net Event # 66	CTD # 64	2120	
Latitude: 49.17 0092 N		Longitude: 134.40 0470 W	
deg	min.dec	deg	min.dec
Wire out: 1200	Wire angle: 0	Bottom Depth: 3635	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
38834	49821	Non-flow = pickled	

Notes:

Date: 2017/02/15	Station: P16	Time: 1423	LOCAL
Net Event # 67	CTD # 64	2223	UTC
Latitude: 49.17 0384 N		Longitude: 134.40 0090 W	
deg	min.dec	deg	min.dec
Wire out: 250	Wire angle: 0	Bottom Depth: 3636	
Net Type: Evgeny	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
76328	79567	Non-flow = pickled	

Notes:

Evgeny net

TSK: 7133



Plankton Net Tow Log Sheet

Cruise #: 2017-01 Vessel: Tully Page: 4

Project(s): Line 12 Contact:

TSK Serial #: 4798 RBR serial #: 7968

Time offset = + 8 hrs = UTC (please record local time for samples)

Date: 16 Feb 17	Station: P12	Time: 21:51	LOCAL
Net Event # 78	CTD # 78		
Latitude: 48 58 17.07 N	Longitude: 130 40 92.66 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 8	Bottom Depth: 3235	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
49576	52144	Non-flow = pickled	

Notes: Wic took 4 krill.

Date: 16 Feb 17	Station: P12	Time: 22:03	LOCAL
Net Event # 79	CTD # 79		
Latitude: 48 58 17.08 N	Longitude: 130 40 92.65 W		
deg min.dec	deg min.dec		
Wire out: 1200	Wire angle: 0	Bottom Depth: 3235	
Net Type: Bongo	Tow Type: VNH Bongo		
Flow start	Flow end	Flow = frozen	
52144	66292	Non-flow = pickled	

Notes:

Date: 16 Feb 17	Station: P12	Time: 23:58	LOCAL
Net Event # 80	CTD # 77		
Latitude: 48 58 17.08 N	Longitude: 130 40 92.53 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 3235	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
79653	82069	Non-flow = pickled	

Notes: 1 of 3 cables holding TSK is broken
TSK was zipped tied

Date: 17 Feb 17	Station: P8	Time: 14:40	LOCAL
Net Event # 86	CTD # 90		
Latitude: 48 48 98.48 N	Longitude: 128 40 18.91 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 2526	
Net Type: Bongo	Tow Type: VNH		
Flow start 66300	Flow end 68840	Flow = frozen	
		Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2017-01 Vessel: Tolly Page: 5

Project(s): Line P Contact:

TSK Serial #: 4798 RBR serial #: 79108

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

Date: 2017/2/17	Station: P8	Time: 15:49	LOCAL
Net Event # 88	CTD # 90		
Latitude: 48 48 99 N	Longitude: 128 40 21 W		
deg min.dec	deg min.dec		
Wire out: 1200	Wire angle: 0	Bottom Depth: 2517	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
168840	79261	Non-flow = pickled	
Notes: 6 inch colonial Salp removed from pickled side (finger like things)			

Date: 2017/02/17	Station: P8	Time: 16:51	LOCAL
Net Event # 89	CTD # 90		
Latitude: 48 49 03 N	Longitude: 128 40 20 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle:	Bottom Depth: 2517	
Net Type: Evgony	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
82069	82167	Non-flow = pickled	
Notes:			

Date: 18 FEB 2017	Station: P4	Time: 0824	LOCAL
Net Event # 97	CTD # 96		
Latitude: 48 50 85 N	Longitude: 126 57 94 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 1369	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
80629	82466	Non-flow = pickled	
Notes: removed 4 colonial Salp from (finger like thing) from pickled side.			

Date: 18 FEB 2017	Station: P4	Time: 10:36	LOCAL
Net Event # 98	CTD # 99		
Latitude: 48 38.0029 N	Longitude: 129 39.9474 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle:	Bottom Depth: 250	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
82533	84279	Non-flow = pickled	
Notes:			



Plankton Net Tow Log Sheet

Cruise #: 2017-01 Vessel: Tully Page: 6
Project(s): Line P Contact:
TSK Serial #: 4798 RBR serial #: 79108
Time offset = + hrs = UTC (please record local time for samples)

Date: 18-2-17	Station: 82	Time: 1616	LOCAL
Net Event # 103	CTD # 101		
Latitude: 48 35.99 N	Longitude: 125 59.83 W		
deg min.dec	deg min.dec		
Wire out: 107	Wire angle: 15	Bottom Depth: 117	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
84280	85236	Non-flow = pickled	
Notes: swapped non-flow net from other Bongo			

Date: 18-2-17	Station: 82	Time: 1636	LOCAL
Net Event # 104	CTD #		
Latitude: 48 35.92 N	Longitude: 125 59.90 W		
deg min.dec	deg min.dec		
Wire out: 107	Wire angle: 15	Bottom Depth: 117	
Net Type: B B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
82167	82248	Non-flow = pickled	
Notes: Empty			

Date: 18-2-17	Station: 102	Time: 2250	LOCAL
Net Event # 108	CTD # 109		
Latitude: 48 29.98 N	Longitude: 124 43.99 W		
deg min.dec	deg min.dec		
Wire out: 245	Wire angle: 15	Bottom Depth: 255	
Net Type: B	Tow Type: VNH		
Flow start 85239	Flow end 87480	Flow = frozen	
		Non-flow = pickled	
Notes:			

Date: 2017/2/19	Station: J82	Time: 1116	LOCAL
Net Event # 110	CTD # 111		
Latitude: 48 17.93 N	Longitude: 123 59.97 W		
deg min.dec	deg min.dec		
Wire out: 100 17	Wire angle: 0	Bottom Depth: 187	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
87479	88460	Non-flow = pickled	
Notes: flow side in ethanol meter			



Plankton Net Tow Log Sheet

Cruise #: 2017-01 Vessel: Tully Page: 7

Project(s): Line P Contact:

TSK Serial #: 4798 RBR serial #: 79108

Time offset = +

hrs = UTC (please record local time for samples)

Date: 2017/02/19	Station: Har59	Time: 0935	LOCAL
Net Event # 112	CTD # 113		
Latitude: 48 36 9586 N	Longitude: 123 14 9780 W		
deg min.dec	deg min.dec		
Wire out: 226	Wire angle: 10	Bottom Depth: 236	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
88461	90938	Non-flow = pickled	

Notes: flow side in ethanol meter STOPPED CLASG TO SURFACE TO STRAIGHTEN WIRE, GOING UNDER THE SHIP

Date: 19 Feb 2017	Station: 46	Time: 1343	LOCAL
Net Event # 115	CTD # 116		
Latitude: 48 51 31 N	Longitude: 123 10 73 W		
deg min.dec	deg min.dec		
Wire out: 177	Wire angle: 0	Bottom Depth: 183	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
90938	91071	Non-flow = pickled	

Notes:

Date: 19 Feb 2017	Station: 42	Time: 1623	LOCAL
Net Event # 117	CTD # 118		
Latitude: 49 01 71 N	Longitude: 123 26 20 W		
deg min.dec	deg min.dec		
Wire out: 312	Wire angle: 8	Bottom Depth: 318	
Net Type: Bongo	Tow Type: Bongo VNH		
Flow start	Flow end	Flow = frozen ethanol	
91080		Non-flow = pickled	

Notes:

Date: 19 Feb	Station: GEO1	Time: 2041	LOCAL
Net Event # 121	CTD # 120		
Latitude: 49 15 0634 N	Longitude: 123 44 9103 W		
deg min.dec	deg min.dec		
Wire out:	Wire angle: 0	Bottom Depth: 50	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
93400	9	Non-flow = pickled	

Notes:

50m



Plankton Net Tow Log Sheet

Cruise #: _____ **Vessel:** _____ **Page:** _____
Project(s): _____ **Contact:** _____
TSK Serial #: _____ **RBR serial #:** _____
Time offset = + _____ **hrs = UTC (please record local time for samples)** _____

Date: 19 Feb 2017	Station: GEO1	Time: 21:01	LOCAL
Net Event # 122	CTD # 120		
Latitude: 49 15.0461 N	Longitude: 123 44.9123 W		
deg min.dec	deg min.dec		
Wire out: 393	Wire angle: 0	Bottom Depth: 393	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
94700	95675	Non-flow = pickled	
Notes: 400m			

Date: 19 Feb 17	Station: 27	Time: 2201	LOCAL
Net Event # 123	CTD # 124		
Latitude: 49 19.11 N	Longitude: 123 48 03 W		
deg min.dec	deg min.dec		
Wire out: 338	Wire angle: 0	Bottom Depth: 344	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
95732	97681	Non-flow = pickled	
Notes: X/E			

Date: 2017/02/20	Station: CPF 2	Time: 1043	LOCAL
Net Event # 126	CTD # 127		
Latitude: 49 28 00 N	Longitude: 124 30 00 W		
deg min.dec	deg min.dec		
Wire out: 315	Wire angle: 0	Bottom Depth: 315	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
97682	99405	Non-flow = pickled	
Notes:			

Date: 2017/2/20	Station: 12	Time: 05:30 AM	LOCAL
Net Event # 128	CTD # 129		
Latitude: 49 43 65 N	Longitude: 124 41 08 W		
deg min.dec	deg min.dec		
Wire out: 343	Wire angle: 5	Bottom Depth: 353	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
99402	01320	Non-flow = pickled	
Notes: X/E			



Plankton Net Tow Log Sheet

Cruise #: _____ Vessel: _____ Page: _____
 Project(s): _____ Contact: _____
 TSK Serial #: _____ RBR serial #: _____
 Time offset = + _____ hrs = UTC (please record local time for samples)

Date: 2017/2/20	Station: 14	Time: 8.34	LOCAL
Net Event # 131	CTD # 132		
Latitude: 49 53 09	N	Longitude: 124 59 65	W
deg min.dec		deg min.dec	
Wire out:	Wire angle: 6	Bottom Depth:	
Net Type: Bongo	Tow Type: VNH		
Flow start: 01320	Flow end: 03119	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 2017/2/20	Station: CPF1	Time: 18.12	LOCAL
Net Event # 135	CTD # 134		
Latitude: 49 21 9292	N	Longitude: 124 05 1233	W
deg min.dec		deg min.dec	
Wire out: 237	Wire angle: 45	Bottom Depth: 242	
Net Type: Bongo	Tow Type: Bongo VNH		
Flow start: 03120	Flow end: 04405	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:

Event	Date	Wind	ft	<	Flow St	Flow End
19	7-2-17	250	5	71712	73540	
20	7-2-2017	1200	5	24500	82081	
24	7-2-2017	250	2	67362	69268	
34	9-2-2017	250	15	28965	31411	
35	9-2-17	emergency	10	69267	71730	
45	10-2-17	250	0	33232	35822	
46	10-2-17	1200	0	35822	44349	
49	10-2-17	1200	0	44860	52923	
53	12-2-17	emergency	0	71730	73962	
54	12-2-17	emergency	0	73962	76328	
65	15-2-17	1250	0	36500	38834	
66	15-2-17	1200	0	38834	49821	
67	15-2-17	250	0	76528	78567	
78	16-2-17	250	0	49576	52149	
79	16-2-17	1200	0	52144	66292	
80	16-2-17	250	0	79653	82069	
86	17-2-17	250	0	66300	68840	
88	17-2-17	1200	0	68840	79261	
90	17-2-17	250	0	82069	80167	
97	18-2-17	250	0	80629	82466	
Post Flood	2017/02/18	250		82533	84279	
103	18-2-17	107	15	84280	85236	
124 (Flood)	18-2-17	107	10	92167	92216	
288	7-9-108		1			

Event	Date	Wind	ft	<	Flow St	Flow End
108	18-2-17	245	15	85239	87480	
110	2017/2/19	177	0	87479	88460	
112	2017/2/19	226	5-10	88461	90938	
115	19-2-17	177	45	90938	91071	
117		312	8	91080	93149	
121	19-2-17	50	0	93400	94720	
122	19-2-17	393	0	94700	95657	
123	19-2-17	338	0	95732	97681	
126	2017/2/20	315	0	97682	99405	
128	2017/2/20	343	5	99402	01320	
132	2017/2/20		0	01320	03119	
135	20-2-17	237	0	03120	04405	