



Plankton Net Tow Log Sheet

Cruise #: 2019-06 Vessel: JULLY Page: 1
Project(s): LINE P Contact: MOIRA
TSK Serial #: 7057 RBR serial #: 78976
Time offset = + hrs = UTC (please record local time for samples)

Date: 03-06-19	Station: P2	Time: 1256 LOCAL
Net Event # 8	CTD # 7	1926 UTC
Latitude: 48 36 05 N deg min.dec	Longitude: 126 00 11 W deg min.dec	
Wire out: 110	Wire angle: 5	Bottom Depth: 117
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
75475	76620	Non-flow = pickled

Notes: Formalin Bongo: 1 CLYGR 53

Date: 3 JUN 2019	Station: P2	Time: 1329 LOCAL
Net Event # 9	CTD # 7	2029
Latitude: 48 36 02 N deg min.dec	Longitude: 126 00 27 W deg min.dec	
Wire out: 110	Wire angle: 9	Bottom Depth: 117
Net Type: SCOR	Tow Type: VNH	64 min
Flow start	Flow end	Flow = frozen
—	—	Non-flow = pickled

Notes: NO FLOWMETER ?!

Date: 4 June	Station: P4	Time: 00:28 LOCAL
Net Event # 15	CTD # 17	
Latitude: 48 39 02 N deg min.dec	Longitude: 126 40 05 W deg min.dec	
Wire out: 250	Wire angle: 6	Bottom Depth: 1320
Net Type: SCOR	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
34566	37133	Non-flow = pickled

Notes: TSK 4794-SCOR NET

Date: 4 June	Station: P4	Time: 00:53 LOCAL
Net Event # 16	CTD # 17	
Latitude: 48 38 97 N deg min.dec	Longitude: 126 39 97 W deg min.dec	
Wire out: 250	Wire angle: 10	Bottom Depth: 1320
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
76618	78968	Non-flow = pickled

Notes: Formalin sample: 1 Cyba, 1 Eubonia, 1 Schizos, 1 Clippis, 13 Doliolella taken out



Plankton Net Tow Log Sheet

Cruise #: 2019-06 Vessel: TULLY Page: 2

Project(s): LINEP Contact: MOIRA

TSK Serial #: 7057 RBR serial #: 78976

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

Date: 04.06.19	Station: P8	Time: 18:49	LOCAL
Net Event # 24	CTD # 23		
Latitude: 48 deg	48.96 min.dec N	Longitude: 128 deg	40.06 min.dec W
Wire out: 250	Wire angle: 15°	Bottom Depth: 2521	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
78970	81270	Non-flow = pickled	

Notes:

Date: 04.06.19	Station: P8	Time: 20:00	LOCAL
Net Event # 25	CTD # 23		
Latitude: 48 deg	48.90 min.dec N	Longitude: 128 deg	40.09 min.dec W
Wire out: 1200	Wire angle: 5	Bottom Depth: 2521	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
81270	89960	Non-flow = pickled	

Notes: Specimens taken out: 1 Horniphora; 1 Cariana; 1 Solmissus
1/2 Doliolota (including 2 nurses) 1 TALCR 1 CYLM

Date: 05.06.19	Station: P12	Time: 17:08	LOCAL
Net Event # 36	CTD # 33		
Latitude: 48 deg	58.21 min.dec N	Longitude: 130 deg	39.96 min.dec W
Wire out: 250	Wire angle: 0	Bottom Depth:	
Net Type: BONGO	Tow Type: VNH		
Flow start 3240	Flow end 3244	Flow = frozen	
89960	92420	Non-flow = pickled	

Notes: 1 Aequorea, 1 Solmissus sp. taken out

Date: 05.06.19	Station: P12	Time: 18:00	LOCAL
Net Event # 37	CTD # 33		
Latitude: 48 deg	58.21 min.dec N	Longitude: 130 deg	39.95 min.dec W
Wire out: 1200	Wire angle: 0	Bottom Depth: 3231	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
92420	99188	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2019-006 Vessel: Tully Page: 3

Project(s): Line P Contact: Moira

TSK Serial #: 7057 RBR serial #: 78976

Time offset = +

hrs = UTC (please record local time for samples)

Date: 05.06.19	Station: P12	Time: 18:46	LOCAL
Net Event # 38	CTD # 33		
Latitude: 48.58.21 N	Longitude: 130.39.97 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5	Bottom Depth: 3220	
Net Type: SCOR	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
37140	39354	Non-flow = pickled	X

Notes:

TSK 4794

Date: 07.06.2019	Station: P16	Time: 18:28	LOCAL
Net Event # 46	CTD # 45		
Latitude: 49.16.97 N	Longitude: 134.39.97 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5	Bottom Depth: 3624	
Net Type: SCOR	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
39352	42715	Non-flow = pickled	X

Notes:

TSK 4794

Date: 07.06.2019	Station: P16	Time: 21:18	LOCAL
Net Event # 48	CTD # 45		
Latitude: 49.16.99 N	Longitude: 134.39.99 W		
deg min.dec 17.27	deg min.dec 40.30		
Wire out: 1200	Wire angle: 20	Bottom Depth: 3624	
Net Type: Bougo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	X
99188	07615	Non-flow = pickled	X

Notes:

3 Cyclosalpa bakeri, 1 Rhopalonauxoides, 1 Salpinx taken out

Date: 07/06/2019	Station: P16	Time: 5:31	LOCAL
Net Event # 51	CTD # 50		
Latitude: 49.17.08 N	Longitude: 134.39.97 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 3625	
Net Type: Bougo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	X
07615	09358	Non-flow = pickled	X

Notes:

2 Cyclosalpa bakeri, 3 Doliolidae taken out

BOTTOM
TIME
LAT
LONG



Plankton Net Tow Log Sheet

Cruise #: 2019.06 Vessel: Tully Page: 4
 Project(s): LINE P Contact: MOIRA
 TSK Serial #: 7057 RBR serial #: 78976

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

Date: 00-06-19	Station: P26	Time: 19:54	LOCAL
Net Event # 80	CTD # 79		
Latitude: 50.00.01 N	Longitude: 145.00.02 W		
deg min.dec	deg min.dec		
Wire out: 350	Wire angle: 10	Bottom Depth: 4228	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
9420		Non-flow = pickled	

Notes: FLOWMETER STRING BROKE - CALCULATED VOLUME FROM P20 CANCELLED WIND WAVES TORN NET WIRE OUT

*BOTTOM WAS LONG TIME

Date: 11 June 2019	Station: P26	Time: 8:43	LOCAL
Net Event # 86	CTD # 79		
Latitude: 50.00.08 N	Longitude: 144.59.34 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 13	Bottom Depth: 4226	
Net Type: BONGO	Tow Type: VNH		
Flow start 12380	Flow end 14190	Flow = frozen X	
		Non-flow = pickled X	

Notes: 2 Clione limacina taken out from pickled side Edmon picked Neoristatus + E. hamata from pickled side

Date: 11 June 2019	Station: P26	Time: 10:00	LOCAL
Net Event # 87	CTD # 79		
Latitude: 50.00.002 N	Longitude: 145.00.167 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 4228	
Net Type: SCOR	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
42718	43652	Non-flow = pickled	

Notes: sock inserted - redo of cast (event 88)

Date: 11 June 2019	Station: P26	Time: 10:25	LOCAL
Net Event # 88	CTD # 79		
Latitude: 49.59.994 N	Longitude: 145.00.175 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5	Bottom Depth: 4227	
Net Type: SCOR	Tow Type: VNH		
Flow start 43652	Flow end 46676	Flow = frozen	
		Non-flow = pickled	

Notes: no sample! Ripped net RIP. PARTIAL SAMPLE BUT NO REPRESENTATIVE OF VOLUME + PROBABLY SURFACE



Plankton Net Tow Log Sheet

Cruise #: 2019-006 **Vessel:** Tully **Page:** 4
Project(s): Line P **Contact:** Morris
TSK Serial #: **RBR serial #:**
Time offset = + **hrs = UTC** (please record local time for samples)

Date: 11 June '19	Station: P26	Time: 10:41	LOCAL
Net Event # 89	CTD # 79		
Latitude: 49° 59.97' N	Longitude: 145° 00.168' W		
deg min.dec	deg min.dec		
Wire out: 1200	Wire angle: 5	Bottom Depth: 4279	
Net Type: Bongo	Tow Type: Bongo, VNH		
Flow start	Flow end	Flow = frozen x	
14920	25020	Non-flow = pickled x	

Notes: HALICREAS → FLORIAN
COLLODARIA → DNA

Date: 16.06.19	Station: P4	Time: 9.36	LOCAL
Net Event # 104	CTD # 102		
Latitude: 48° 39.00' N	Longitude: 126° 40.20' W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 11	Bottom Depth: 1325	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
24928	26683	Non-flow = pickled	

Notes: 12 Clytia, 16 Eutima, 4 Mitrocoma all > 10mm taken fr. Florian
 frozen: 1 Eutima, 1 Mitrocoma
 pickled: 2 Mitrocoma all > 10mm, 5 Eutima taken fr. Florian
 1 Eperetmus types

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:

SYN	SYN Z	TOW Z	FLOW METER		WIRE L°
			START	END	
P2	117	110	75475	76020	5
P4 SCOR	1320	250	34566	37138	6
P4 Congo	1320	250	76618	78968	10
P8	2521	250	78970	81270	15
P8	2521	1200	81270	89960	5
P12	3229	250	89960	92420	0
P12	3231	1200	92420	99188	0
P12 SCOR	3231	250	37140	39354	5
P16 SCOR	3624	250	39352	42715	5
P16 Congo	3625	1200	99188	107615	20
P16 Congo	3625	250	07615	09358	0
P26	34227	250	9420	/	10
P26	4227	250	12380	14750	13
P26 SCOR	4226	250	42718	43657	0
P26 SCOR	4226	250	43652	N/A	5
P26 Deep	4278	1200	14920	25020	5
P4	1325	250	24928	26683	11