



Plankton Net Tow Log Sheet

Cruise #: 2018-040 Vessel: TULLY Page: 1

Project(s): LINE P Contact: MOIRA

TSK Serial #: 7131 RBR serial #: SILVER

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

Date: 12/09/2018	Station: HA2059	Time: 19:01	LOCAL
Net Event # 2	CTD # 1		
Latitude: 48 36.89 N	Longitude: 123 14.85 W		
deg min.dec	deg min.dec		
Wire out: 215	Wire angle: 15	Bottom Depth: 232	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
53265	54990	Non-flow = pickled	

Notes:

Date: 13/9/18	Station: JF2	Time: 0138	LOCAL
Net Event # 04	CTD # 06		
Latitude: 48 18.14 N	Longitude: 124 00.27 W		
deg min.dec	deg min.dec		
Wire out: 175	Wire angle: 25	Bottom Depth: 185	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
54990	56000	Non-flow = pickled	

Notes:

UVIC took 10 kWh from frozen side

Date: 13.09.18	Station: P2	Time: 13:29	LOCAL
Net Event # 12	CTD # 11		
Latitude: 48° 35.91 N	Longitude: 126° 00.05 W (Bottom)		
deg min.dec	deg min.dec		
Wire out: 110	Wire angle: 0	Bottom Depth: 116	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
55993	56858	Non-flow = pickled	

Notes:

Date: 13.09.18	Station: P2	Time: 13:25:37	LOCAL
Net Event # 13	CTD # 11		
Latitude: 48° 35.96 N	Longitude: 126° 00.07 W (Bottom)		
deg min.dec	deg min.dec		
Wire out: 110	Wire angle: 0	Bottom Depth: 116	
Net Type: RING	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
90012	90525	Non-flow = pickled	

Notes:

TSK 4877

Bottom / local.



Plankton Net Tow Log Sheet

Cruise #: 2018-040 Vessel: JPT047 Page: 2

Project(s): LINE P Contact: MOIRA

TSK Serial #: 7131 RBR serial #: SILVER

Time offset = +

hrs = UTC (please record local time for samples)

Date: 13-09-18	Station: P4	Time: 2043	LOCAL
Net Event # 19	CTD # 18		
Latitude: 48 38.93 N	Longitude: 126 40.9 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 1324	
Net Type: Ring	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
90525	58575	Non-flow = pickled	

Notes:

TSK 4877

Date: 13-09-18	Station: P4	Time: 2136	LOCAL
Net Event # 20	CTD # 18		
Latitude: 48 39.00 N	Longitude: 126 40.34 W		
deg min.dec	deg min.dec		
Wire out: 1200	Wire angle: 0	Bottom Depth: 1322	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
58575	60568	Non-flow = pickled	

Notes:

Date: 13 Sep 18	Station: P4	Time: 2215	LOCAL
Net Event # 21	CTD # 18		
Latitude: 48 39 06 N	Longitude: 126 40.28 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 1317	
Net Type: Ring	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
90525	92098	Non-flow = pickled	

Notes:

Date: 14-09-18	Station: P8	Time: 14:26	LOCAL
Net Event # 29	CTD # 28		
Latitude: 48 49.09 N	Longitude: 128 40.53 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5	Bottom Depth: 2514	
Net Type: Ring	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
92098	93508	Non-flow = pickled	

Notes:

LAT LONG TIME LOCAL + BOTTOM



Plankton Net Tow Log Sheet

Cruise #: 2018-040 Vessel: JP Tully Page: 3

Project(s): LINE P

Contact:

TSK Serial #: 7131

RBR serial #: SILVER

Time offset = +

hrs = UTC (please record local time for samples)

Date: 15.09.18	Station: P12	Time: 13:41	LOCAL
Net Event # 39	CTD # 42		
Latitude: 48 58.18 N	Longitude: 130 40.13 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5	Bottom Depth: 3378	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
75605	77110	Non-flow = pickled	

Notes:

Date: 15.09.18	Station: P12	Time: 7:04	LOCAL
Net Event # 40	CTD # 42		
Latitude: 48 58.20 N	Longitude: 130 40.11 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5	Bottom Depth: 4725	
Net Type: RING	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
93510	94848	Non-flow = pickled	

Notes:

TSK 4877

Date: 16.09.18	Station: P16	Time: 22:02	LOCAL
Net Event # 56	CTD # 53		
Latitude: 49 17.21 N	Longitude: 134 40.47 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5	Bottom Depth: 3633	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
77111	78668	Non-flow = pickled	

Notes:

Date: 16.09.18	Station: P16	Time: 22:26	LOCAL
Net Event # 57	CTD # 53		
Latitude: 49 17.26 N	Longitude: 134 40.57 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5	Bottom Depth: 3632	
Net Type: RING	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
94848	96185	Non-flow = pickled	

Notes:

TSK 4877



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:	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:

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 #: 2018-040 Vessel: JPTULY Page: 4

Project(s): LA PEROUSE Contact: MOIRA

TSK Serial #: 7131 RBR serial #: SILVER

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

Date: 14.09.18	Station: P8	Time: 14:49	LOCAL
Net Event # 30	CTD # 28		
Latitude: 48°49.20	N	Longitude: 128°40.83	W
deg min.dec		deg min.dec	
Wire out: 250	Wire angle: ~5	Bottom Depth: 2512	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
66568	68142	Non-flow = pickled	

Notes:

Date: 14.09.18	Station: P8	Time: 15:52	LOCAL
Net Event # 31	CTD # 28		
Latitude: 48°49.08	N	Longitude: 128°40.58	W
deg min.dec		deg min.dec	
Wire out: 1200	Wire angle: 0	Bottom Depth: 2516	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
68142	75603	Non-flow = pickled	

Notes:

Date: 18/9/18	Station: P20	Time: 07:36	LOCAL
Net Event # 64	CTD # 69		
Latitude: 49°33.94	N	Longitude: 138°40.03	W
deg min.dec		deg min.dec	
Wire out: 250	Wire angle: 5	Bottom Depth: 3937	
Net Type: RING	Tow Type: VNH		
Flow start 9685	Flow end 97310	Flow = frozen	
		Non-flow = pickled	

Notes:

RING NET TSK 4877

Date: 18/9/18	Station: P20	Time: 07:59	LOCAL
Net Event # 65	CTD # 69		
Latitude: 49°33.95	N	Longitude: 138°40.07	W
deg min.dec		deg min.dec	
Wire out: 250	Wire angle: 5	Bottom Depth: 3937	
Net Type: BONGO	Tow Type: VNA		
Flow start 78668	Flow end 80212	Flow = frozen	
		Non-flow = pickled	

Notes:

WRITE IN BOTTOM LAT LONG TIME ← LOCAL NOT UTC



Plankton Net Tow Log Sheet

Cruise #: 2018040 Vessel: Tully

Page: 5

Project(s): LINE P

Contact: Moira

TSK Serial #: 7131

RBR serial #: Silver

Time offset = +

hrs = UTC (please record local time for samples)

Date: 14.09.18	Station: P20	Time: 0151	LOCAL
Net Event # 66	CTD # 69		
Latitude: 49 33.85 N	Longitude: 138 40.13 W		
deg min.dec	deg min.dec		
Wire out: 1200	Wire angle: 0	Bottom Depth: 3963	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
80212	87230	Non-flow = pickled	

Notes:

Date: 20 Sept. 18	Station: P26	Time: 03:21	LOCAL
Net Event # 81	CTD # 85		
Latitude: 30°00.42 N	Longitude: 145°00.49 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 19	Bottom Depth: 4350	
Net Type: RING	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
97310	98620	Non-flow = pickled	

Notes:

TSK 4877 *CTD #85 not on label

Date: 20.09.18	Station: P26	Time: 03:44	LOCAL
Net Event # 82	CTD # 85		
Latitude: 49°59.92 N	Longitude: 145°00.07 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 10	Bottom Depth: 4350	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
87233	90540	Non-flow = pickled	

Notes:

89460

*CTD #85 not on label

Date: 20.09.18	Station: P26	Time: 1141	LOCAL
Net Event # 87	CTD # 85		
Latitude: 49 59.94 N	Longitude: 145 00.09 W		
deg min.dec	deg min.dec		
Wire out: 1200	Wire angle: 5	Bottom Depth: 4350	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
89460	99952	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2018-040 Vessel: TULLY Page: 6

Project(s): LIMP / EXPORTS Contact: MOIRA

TSK Serial #: 7131 RBR serial #: SILVER

Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 20 SEP 18	Station: EX-F1	Time: 1823	LOCAL
Net Event # 91	CTD # 90	0123 UTC	
Latitude: 49 57.70 N	Longitude: 144 42.29 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 15	Bottom Depth: 4138	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
969952	00988	Non-flow = pickled	

Notes: SPARSE SAMPLE

Date: 21-09-18	Station: EX-C	Time: 15:45	LOCAL
Net Event # 101	CTD # 100		
Latitude: 50° 18.22 N	Longitude: 144° 24.72 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5	Bottom Depth: 4140	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
988	2912	Non-flow = pickled	

Notes: VERY SPARSE

Date: 22-09-18	Station: EX-W	Time: 07:52	LOCAL
Net Event # 107	CTD # 105		
Latitude: 50 22.91 N	Longitude: 144 38.59 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0?	Bottom Depth: 4202	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
2915	4592	Non-flow = pickled	

Notes:

Date: 22/9/18	Station: EX-N	Time: 1336	LOCAL
Net Event # 110	CTD # 109		
Latitude: 50 36.78 N	Longitude: 144 03.96 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 4054	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
4599	6210	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2018-40 Vessel: JP TULLY Page: 7

Project(s): LINE P Contact: MOIRA

TSK Serial #: 7131 RBR serial #: SILVER

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

Date: 22.09.18	Station: Ex-1	Time: 1854	LOCAL
Net Event # 115	CTD # 114		
Latitude: 50 10.74 N	Longitude: 144 8.62 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5	Bottom Depth: 4100	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
6216	8298	Non-flow = pickled	

Notes:

Date: 26/9/18	Station: P4 (RETURN)	Time: 08:21	LOCAL
Net Event # 123	CTD # 122		
Latitude: 48° 38.82 N	Longitude: 126° 39.85 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 1319	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end 10255	Flow = frozen	
8305	9255	Non-flow = pickled	

Notes: SAT ON SURFACE FLOWMETER SPINNING IN SWELL N 5 MIN?

Date: 26.09.18	Station: JF2	Time: 0006	LOCAL
Net Event # 125	CTD # 124		
Latitude: 48 10 14 N	Longitude: 124 00 32 W		
deg min.dec	deg min.dec		
Wire out: 180	Wire angle: 15	Bottom Depth: 186	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
10255	11470	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:

MULTINET Log Sheet

Cruise: 2018-40 Station: P12 Date: 15 09 18
 Event #: 43 Local Time: 1745 Area: INNER LINE P WCV1
 CTD #: 42 Bottom Depth: 3232 Project: LINE P

NET	Local Time	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m ³)	Comments
1	1202	2000-1500	48 58.13	130 39.58	86	8.9 v
2	1211	1500-1000	" 58.19	" 39.58	36	8.4 v
3	1219	1000-500	" 58.19	" 39.55	24	8.4 v
4	1220	500-250	" 58.18	" 39.54	63	8.4 v
5	1230	250-0	" 58.15	" 39.50	34	8.3 v
			" 58.14	" 39.46		8.4

Comments:

↑ Shift up

Cruise: 2018-40 Station: P16 Date: 16 09 18
 Event #: 55 Local Time: 1741 Area: OUTER LINE P
 CTD #: 53 Bottom Depth: 3634 Project: LINE P

NET	Time	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m ³)	Comments
1	2050	2000-1500	49 17.16	134 40.33	75	8.8 v
2	2100	1500-1000	49 17.17	134 40.36	62	8.4 v
3	2108	1000-500	49 17.19	134 40.39	60	8.4 v
4	2117	500-250	49 17.19	134 40.41	30	8.3 v
5	2121	250-0	49 17.20	134 40.44	30	8.4 v
			49 17.22	134 40.47		8.3 v

Comments:

STN	STN Z	TOW Z	FLOWMETER		WIRE
			START	END	LO
59	825	215	53265	54990	15
JF2	185	175	54990	56000	23
P2	116	110	55993	56858	0
P2	116	110	90012	90525	0 RING
P4	1324	250	56859	58575	0 RING
P4	1322	1200	58575	66568	6
P4	1517	250	90525	92098	0 RING
P8	2513	250	92098	93508	5 RING
P8	2512	250	66568	68142	~5
P8	2516	1200	68142	75603	0
P12	3232	250	75605	77110	5
P12	4350	250	93510	94848	5 RING
P16	3639	250	77111	78668	5
P16	3632	250	94848	96185	5 RING
P26	3967	250	96185	9730	5 RING
P20	3967	250	78668	80212	5
P20	3967	1200	80212	87230	0
P36	4350	250	97310	98670	19 RING
P36	4350	250	98670		
P26	4350	250	87233	89460	10
P26	4350	1200	89460	109952	5
EXF1	4187	250	109952	110888	15
EX.C	4142	250	988	2912	5
EX-W	4201	250	2918	4592	

Rite in the Rain.

STN	SPN Z	TOW Z	FLOW METERS		WIRE L
			START	FINISH	
ET-N	4054	250	4599	6210	9
EX- B	4100	250	6210	8298	5
P4 ref	1305	250	8305	10255	10
√F2	186	180	10255	11470	15

